

BLACKWATER GOLD PROJECT

APPLICATION FOR AN
ENVIRONMENTAL ASSESSMENT CERTIFICATE /
ENVIRONMENTAL IMPACT STATEMENT
MASTER LIST OF ACRONYMS



ACRONYMS

Abbreviations and Units of Measure	Definition
°C	degrees Celsius
µg	microgram
µg/cm ²	micrograms per square centimetre
µg/g	micrograms per gram
µg/L	micrograms per litre
µg/m ³	micrograms per cubic metre
µm	micrometre or micron
µS	MicroSiemens
µS/cm	MicroSiemens per centimetre
2D	two-dimensional
2WD	two-wheel drive
3D	three-dimensional
4x4	four-wheel drive (or "four by four")
7dQ10	seven-day, 10-year return period
7Q10	seven-day, consecutive low flow with a 10-year return frequency
7Q20	seven-day, consecutive low flow with a 20-year return frequency
A	amperes
a.m.	ante meridiem
AADT	Average Annual Daily Traffic
AANDC	Aboriginal Affairs and Northern Development Canada
AAQO	Ambient Air Quality Objective
AAT	Average Annual Total Traffic
ABA	Acid/Base Accounting
ABCC	Acid Buffering Characteristic Curve
AD	Anno Domini
AEMP	Aquatic Effects Monitoring Plan (part of the overall EEM plan)
Ag	silver
Agency (the)	Canadian Environmental Assessment Agency
Ah	Mineral horizon at the soil surface with accumulation of organic matter
AHRMP	Archaeology and Heritage Resources Management Plan
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements

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AIR/EIS Guidelines	Application Information Requirements / Environmental Impact Statement Guidelines
Allnorth	Allnorth Consultants Limited
ALR	Agricultural Land Reserve
AMEC	AMEC Environment & Infrastructure
AMEC M&M	AMEC Mining & Metals
AMP	Access Management Plan
amsl	above mean sea level
AN	ammonium nitrate
ANFO	ammonium nitrate fuel oil
ANOVA	Analysis of Variance
ANSI	American National Standards Institute
AOA	Archaeological Overview Assessment
AOI	area of interest
Application (the)	Environmental Assessment Certificate / Environmental Impact Statement
AQEMP	Air Quality and Emissions Management Plan
AR	Aqua regia digestion
ARD	Acid Rock Drainage
ARMP	Aquatic Resources Management Plan
As	arsenic
ASAC	Alberta Soils Advisory Committee
ASDT	Average Summer Daily Traffic
ASS	Atomic Absorption Spectrometry
ATV	all-terrain vehicle
Au	gold
AuEq	gold equivalent
Avg.	Averaging
Avison	Avison Management Services Ltd.
AVR	Acid Volatilization Re-Neutralization
AWWQG	Approved and Working Water Quality Guidelines
BACI	Before-After-Control-Impact
BAFA	Boreal Altai Fescue Alpine zone
BAFAun	Boreal Altai Fescue Alpine Undifferentiated subzone
BB	Burbot
BC	British Columbia

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Bc	dominant boulder; subdominant cobble
B-C	Bray-Curtis Similarity Index
BC CDC	British Columbia Conservation Data Centre
BC CSR	British Columbia <i>Contaminated Sites Regulations</i>
BC DOA	British Columbia Department of Agriculture
BC EAA	British Columbia <i>Environmental Assessment Act</i>
BC EAO	British Columbia Environmental Assessment Office
BC EMA	British Columbia <i>Environmental Management Act</i>
BC FPPR	British Columbia <i>Forest Planning and Practices Regulation</i>
BC FRPA	British Columbia <i>Forest and Range Practices Act</i>
BC FWG	British Columbia Protection of Freshwater Aquatic Life Water Quality Guidelines
BC HCA	British Columbia <i>Heritage Conservation Act</i>
BC HWR	British Columbia <i>Hazardous Waste Regulation</i>
BC IFM	British Columbia Instream Flow Methodology
BC IOM	British Columbia Input/Output Model
BC MARR	British Columbia Ministry of Aboriginal Relations and Reconciliation
BC MCSCD	British Columbia Ministry of Community, Sport, and Cultural Development
BC MELP	British Columbia Ministry of Environment, Lands and Parks
BC MEM	British Columbia Ministry of Energy and Mines
BC MEMNG	British Columbia Ministry of Energy, Mines and Natural Gas
BC MEMPR	British Columbia Ministry of Energy, Mines and Petroleum Resources
BC MFLNRO	British Columbia Ministry of Forests, Lands and Natural Resource Operations
BC MJTST	British Columbia Ministry of Jobs, Tourism and Skills Training
BC MOE	British Columbia Ministry of Environment
BC MOFin	British Columbia Ministry of Finance
BC MOFR	British Columbia Ministry of Forests and Range
BC MOH	British Columbia Ministry of Health
BC MOTI	British Columbia Ministry of Transportation and Infrastructure
BC OGC	British Columbia Oil and Gas Commission
BC OHS	British Columbia Occupational Health and Safety
BC TDG Act	British Columbia <i>Transport of Dangerous Goods Act</i>
BC TDGR	British Columbia <i>Transport of Dangerous Goods Regulation</i>
BC WCA	British Columbia <i>Weed Control Act</i>

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Abbreviations and Units of Measure	Definition
BC WMB	British Columbia Wildfire Management Branch
BCR	Bird Conservation Region
BCUC	British Columbia Utilities Commission
BE	Biodiversity Emphasis
BEC	Biogeoclimatic Ecosystem Classification
Bg	dominant boulder; subdominant gravel
BGC	biogeoclimatic
bgs	below ground surface
BMC	brassy minnow
BMI	benthic macroinvertebrate
BMP	Best Management Practices
BOD	Biochemical Oxygen Demand
BOD5	five-day biochemical oxygen demand
BUB	Bulkley Basin ecosection
BV-LD	Bulkley Valley-Lakes District
C	carbon
Ca	calcium
ca.	Circa
CAAQ	Canadian Ambient Air Quality
CABIN	Canadian Aquatic Biomonitoring Network
CAC	Criteria Air Contaminant
CaCO ₃	calcium carbonate
CaIMag	calcium treatment
Canfor	Canadian Forest Products Limited
CAPEX	capital expenditure
Cb	dominant cobbles, subdominant boulders
Cbf	dominant cobbles, subdominant boulders and fines
Cbg	dominant cobbles, subdominant boulders and gravel
CCA	<i>Community Charter Act</i>
CCCIPC	Cariboo Chilcotin Coast Invasive Plant Committee
CCG	slimy sculpin
CCLUP	Cariboo Chilcotin Land Use Plan
CCME	Canadian Council of Ministers of the Environment
CCOHS	Canada Centre for Occupational Health and Safety
CCTC	Carrier Chilcotin Tribal Council

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Abbreviations and Units of Measure	Definition
CCTV	closed-circuit television
Cd	cadmium
CDA	Canadian Dam Association
CDR	Cariboo Development Region
CEA	Cumulative Effects Assessment
<i>CEAA 2012</i>	<i>Canadian Environmental Assessment Act 2012</i>
CEE	Cumulative Environmental Effects
CEEA	Cumulative Environmental Effects Assessment
cells/cm ²	cells per square centimetre
CEO	Chief Executive Officer
<i>CEPA</i>	<i>Canadian Environmental Protection Act 1999</i>
CEQG	Canadian Environmental Quality Guidelines
CESA	Cumulative Effects Study Area
CEU	continuing education units
CF	Cultivated Field
CFMP	Country Foods Monitoring Program
CFP	Chance Find Procedure
Cg	dominant cobbles, subdominant gravel
CH ₄	methane
CHR	Cultural Heritage Resource
CIP	carbon-in-pulp
CL	closure
CL	Confidence limit
CLC	Community Liaison Committee
CLDI	cement-lined ductile iron
CLRUTP	Current Land and Resource Use for Traditional Purposes
cm	centimetre
CM	construction management
cm ²	square centimetre
CMMR	Chemical and Mechanical Monitoring Record
CMP	Construction and Operations Management Plan
CMT	culturally modified tree
CN	cyanide
CN Rail	Canadian National Railway
CNC	College of New Caledonia

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CNO	cyanate
CNP	carbonate NP
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ E	carbon dioxide equivalent units, which convert non-CO ₂ species (CH ₄ and N ₂ O) using global warming potentials
COC	Course of Construction
COI	Community of Interest
COPC	contaminant of potential concern
COS	coarse ore stockpile
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
COT	cut-off trench
CPHI	Canadian Population Health Initiative
CPUE	catch per unit effort (fish)
CRD	Cariboo Regional District
CRM	Certified Reference Material
CSA	Canadian Standards Association
CSP	corrugated steel pipe
CSR	corporate social responsibility
CSSC	Canadian System of Soil Classification
CSTC	Carrier Sekani Tribal Council
CSU	largescale sucker
Cu	copper
CuSO ₄	copper sulphate (CN destruct reagent)
CWBi	Community Well-Being Index
CWCS	Canadian Wetland Classification System
CWD	coarse woody debris
CWS	Canadian Wildlife Service
CYMP	Cyanide Management Plan
d	day
d.f.	degrees of freedom
D/C	decommissioning and closure
dAIR	draft Application Information Requirements
dB	decibel

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dBA	decibel A-scale
dbh	diameter at breast height
DBS	Dendritic Black Sulphide
DC	Direct Current
DDE	double design earthquake
DEM	Digital Elevation Model
DFO	Fisheries and Oceans Canada (Department of Fisheries and Oceans)
DI	Diversity Index
DML	Dawson Metallurgical Laboratories
DO	dissolved oxygen
DOM	dissolved organic matter
DR	dimension ratio
DWB	DWB Forestry Services Ltd.
EA	Environment Assessment
EAC	Environmental Assessment Certificate
EC	Environment Canada
ECD	Environmental Control Dam
Ecofor	Ecofor Consultants Ltd.
ECPMM	Environmental Code of Practice for Metal Mines
ED	Energy Dissipation
EDGM	Earthquake Design Ground Motion
EDRR	early detection and rapid response
EEM	Environmental Effects Monitoring
EF	Electrofishing
EIA	Environmental Impact Assessment
EIS	Environmental Impact Statement
EM	electromagnetic
EMBC	Emergency Measures BC
EMP	Environmental Management Plan
EMS	Environmental Management System
EMT	Environmental Sustainability Team
EOCP	Environmental Operators Certification Program
EPA	Environmental Protection Agency
EPCM	Engineering, Procurement, and Construction Management
EPP	Emergency Preparedness Plan

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Abbreviations and Units of Measure	Definition
EPT	Ephemeroptera, Plecoptera, and Trichoptera
ERAP	Emergency Response Assistance Plan
ESF	explosives storage facility
ESPRP	Emergency and Spill Preparedness and Response Plan
ESSF	Engelmann Spruce – Subalpine Fir zone
ESSFmv	Engelmann Spruce – Subalpine Fir Moist Very Cold subzone
ESSFmv1	Engelmann Spruce – Subalpine Fir Nechako Moist Very Cold variant
ESSFmv1p	Engelmann Spruce-Subalpine Fir Nechako Moist Very Cold Parkland variant
ESSFmvp	Engelmann Spruce–Subalpine Fir Moist Very Cold Parkland variant
ESSFvx1	Engelmann Spruce–Subalpine Fir West Chilcotin Very Dry Very Cold variant
FA ASS	Fire Assay Atomic Absorption Spectrometry
FAB	Fraser Basin ecoregion
FAP	Fraser Plateau ecoregion
FAQs	Frequently Asked Questions
FCL	flotation, concentrate regrind, and leach
FCS	Flow Control System
federal <i>TDG Act</i>	<i>Transportation of Dangerous Goods Act, 1992 (Canada)</i>
federal <i>TDGR</i>	<i>Transportation of Dangerous Goods Regulation (Canada)</i>
FEMA	Federal Emergency Management Agency
FFGRD	Fraser–Fort George Regional District
Fg	dominant fines, subdominant gravels
FHAP	Fish Habitat Assessment Procedures
FISS	Fisheries Information Summary System
FMOP	Fisheries Mitigation and Offsetting Plan
FNECP	First Nations Environmental Contaminants Program
FNPT	fen peat
FNR	Functionally Non-Roaded
FO	fuel oil
FOSmin	Minimum Factor of Safety
FPC	Forest Practices Code
FS	Feasibility Study
FSR	Forest Service Road
ft	foot
FVI	Forest Vulnerability Index

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FWA	Freshwater Atlas
g	gram
G&A	General and Administrative
G&T	G&T Metallurgical Services Ltd.
g/g	grams per gram
g/kWh	grams per kilowatt hour
g/t	grams per tonne
GAR	Government Actions Regulation
Gbf	dominant gravels, subdominant boulders and fines
GBPU	Grizzly Bear Population Unit
Gc	dominant gravels, subdominant cobble
GDP	Gross Domestic Product
Gf	dominant gravels, subdominant fines
GHG	greenhouse gas
GIS	Geographic Information System
GN	Gillnet
Golder	Golder Associates Ltd.
gpm	gallons per minute
GPS	Global Positioning System
GRI	Global Reporting Initiative
GSI	Gonadosomatic Index
GVW	gross vehicle weight
GWh/y	gigawatt-hour per year
H	High
h	hour
H'	Shannon-Weiner Index of Diversity
H ₂ O	water
ha	hectare
HAZOP	Hazard and Operability
HBI	Hilsenhoff Biotic Index
HC	Health Canada
HCN	hydrogen cyanide
HCO ₃ ⁻	bicarbonate
HDPE	high density polyethylene
HDSA	Health Delivery Service Area

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Abbreviations and Units of Measure	Definition
HEP	Habitat Evaluation Procedure
Hg	mercury
HGM	hydrogeomorphic
HHRA	Human Health Risk Assessment
HHERA	Human Health and Ecological Risk Assessment
HHSA	Human Health Study Area
HL	heap leach
HMMP	Hazardous Materials Management Plan
HP	horsepower
HQ	Hazard Quotient
HR	Human Resources
HRSDC	Human Resources and Skills Development Canada
HS&S	Health, Safety, and Security
HSE	Health, Safety, and Environment
HSE & CSR	Health, Safety, Environment and Corporate Social Responsibility
HSI	Habitat Suitability Index
HSI	Hepatosomatic Index
HSRC	Health, Safety and Reclamation Code for Mines in British Columbia
HU	Habitat Unit
HVAC	heating, ventilation, and air conditioning
Hwy	Highway
Hz	Hertz
IAPP	Invasive Alien Plant Program
ICBC	Insurance Corporation of British Columbia
ICAO	International Civil Aviation Organization
ICMC	International Cyanide Management Code
ICME	International Council on Metals and the Environment
ICOLD	International Commission on Large Dams
ICP	Inductively Coupled [argon] Plasma
ICP AES	Induction-Coupled Plasma Spectrometry Atomic Emission Spectrometry
ID	Identification
ID2	Inverse Distance method to the second power
IDF	inflow design flood
IDWMP	Industrial and Domestic Waste Management Plan

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Abbreviations and Units of Measure	Definition
IFIM	Instream Flow Incremental Methodology
IFN	Instream Flow Needs
IFS	Instream Flow Study
ILCR	Incremental Lifetime Cancer Risk
ILMB	Integrated Land Management Bureau
ILRR	Integrated Land and Resource Registry
IMC	Independent Mining Consultants Inc.
INAP	International Network for Acid Prevention
IP	induced polarization
IPCMTR	Invasive Plant Chemical and Mechanical Treatment Record
IR	Indian Reserve
ISM	Integrated Sound Level Meter
ISMP	Invasive Species Management Plan
ISO	International Organization for Standardization
ISQG	Interim Sediment Quality Guidelines (CCME)
JIC	Joint Implementation Committee
JOHS	Joint Occupational Health and Safety
JSA	Job Safety Assessment
kg	kilogram
kg/ha	kilograms per hectare
kg/m ³	kilograms per cubic metre
kg/t	kilograms per tonne
kHz	Kilohertz
km	kilometre
km/h	kilometres per hour
km ²	square kilometre
kN/m ³	Kilonewton per cubic metre (unit of density)
Knight Piésold	Knight Piésold Ltd.
KO	Kokanee
kPa	kilopascal
KPI	Key Performance Indicator
K _{sat}	Saturated Hydraulic Conductivity
kt/d	kilotonne per day
kt/y	thousand tonnes per year
kV	kilovolt

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Abbreviations and Units of Measure	Definition
kW	kilowatt
<	less than
L	litre
L	Low
L/cap/d	litres per capita per day
L/d	litres per day
L/s	litres per second
L/s/km ²	litres per second per square kilometre
L ₁₀	sound level equalled or exceeded 10% of the measurement time
L ₅₀	sound level equalled or exceeded 50% of the measurement time
L ₉₀	sound level equalled or exceeded 90% of the measurement time
LDN	Lhoosk'uz Dené Nation
LDPE	low density polyethylene
LEL	Lowest Effects Level
L _{eq}	equivalent sound pressure level
L _{eq D}	day equivalent sound pressure level
L _{eq N}	night equivalent sound pressure level
LER	Local Economic Region
LFH	litter fermented humus
LGA	<i>Local Government Act</i>
LGO	low grade ore
LHA	Local Health Area
LiDAR	Light Detection and Ranging
LKC	lake chub
L _{max}	maximum sound pressure level
LMH	Land Management Handbook
L _{min}	minimum sound pressure level
ln	natural logarithm
LNC	longnose dace
LNG	Liquid Natural Gas
log	logarithm base 10
LOM	life-of-mine
LPS	low permeability subgrade
LRMP	Land and Resource Management Plan
LSA	Local Study Area

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Abbreviations and Units of Measure	Definition
LSU	longnose sucker
LSVMRP	Landscape, Soils and Vegetation Management and Restoration Plan
LTI	Lost Time Injury
LU	landscape unit
LWD	large woody debris
M	Medium
m	metre
M.Phil.	Master of Philosophy
m/min	metres per minute
m/s	metres per second
m ²	square metre
m ³	cubic metre
m ³ /d	cubic metres per day
m ³ /h	cubic metres per hour
m ³ /s	cubic metres per second
MAA	Multiple Accounts Analysis
MAC	Mining Association of Canada
MAD	mean annual discharge
MANOVA	multiple analyses of variance
masl	metres above sea level
m amsl	metres above mean sea level
max	maximum
mbgs	metres below ground surface
Mbps	megabits per second (a measure of bandwidth for digital data transmission)
MCE	maximum credible earthquake
MCT	Master Commitments Table
MDE	maximum design earthquake
MDL	method detection limit
MDRC	Mine Development Review Committee
MDS	multidimensional scaling
MeHg	methylmercury
MEND	Mine Environment Neutral Drainage
MERP	Mine Emergency Response Plan
MFA	Municipal Finance Authority

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mg	milligram
mg/kg wwt	milligrams per kilogram wet weight
mg/L	milligrams per litre
MIC	maximum instantaneous charge
min	minimum
ML	Metal Leaching
mL	millilitre
ML/ARD	Metal Leaching/Acid Rock Drainage
MLI	McClelland Laboratories
mm	millimetre
mm/h	millimetres per hour
mm/s	millimetres per second
Mm ³	million cubic metres
MM5	mesoscale meteorological data
<i>MMER</i>	<i>Metal Mining Effluent Regulations (federal)</i>
MNBC	Métis Nation British Columbia
MOC	management of change
MODFLOW	Modular Three-Dimensional Finite-Difference Groundwater Flow Model
Moz	million ounces
MPa	megapascal
MPB	Mountain Pine Beetle
MPCBC	Métis Provincial Council of British Columbia
MPMO	Major Projects Management Office
MPOI	Maximum Point of Impingement
MS	Montane Spruce zone
Ms/cm	Micro Siemens per centimetre
MSC	Meteorological Service of Canada
MSDS	Material Safety Data Sheet
MSE	mechanically stabilized earth
MSHA	Mine Safety and Health Administration
MSxv	Montane Spruce Very Dry Very Cold subzone
Mt	million tonnes
Mt/y	million tonnes per year
MW	megawatt
MW	mountain whitefish

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Abbreviations and Units of Measure	Definition
MWAMP	Mine Water Management Plan
MWMP	Mine Waste Management Plan
MWR	Municipal Wastewater Regulation
N	Nil
N	Nitrogen
n	number of samples
n/a	not applicable
N ₂ O	nitrous oxide
NaCN	sodium cyanide
NAG	Non-Acid Generating
NaOH	sodium hydroxide
NAPS	National Air Pollution Surveillance Program
NAU	Nazko Upland ecosection
NC&NDR	North Coast & Nechako Development Region
NCD	Non-Classified drainage
NEEF	Nechako Environmental Enhancement Fund
NEF	Noise Exposure Forecast
NEL	Nechako Lowland ecosection
NFC	No fish caught
NFN	Nazko First Nation
NFPA	National Fire Protection Association
NH ₃	ammonium
NH ₃ ⁺	ammonia
NHA	Northern Health Authority
NHS	National Household Survey
NI	no interaction
NIOSH	National Institute for Occupational Safety
NMHC	non-methane hydrocarbons
NO ₂	nitrogen dioxide
NO ₃	nitrate
NO _x	nitrogen oxides
NP	Neutralization Potential
NPR	Net Potential Ratio
NPRI	National Pollutant Release Inventory
NPV	Net Present Value

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NR	Not Rated
NRBCR	Northern Rockies Bird Conservation Region
NRCan	Natural Resources Canada
NSC	northern pikeminnow
NSR	Net Smelter Return
NTRLRU	Non-Traditional Land and Resource Use
NTU	Nephelometric Turbidity Units
NVC	Non Visible Channel
NVCSS	Nechako Valley Community Services Society
NWFN	Nadleh Whut'en First Nation
NWIPC	Northwest Invasive Plant Council
<i>NWPA</i>	<i>Navigable Waters Protection Act</i>
NYSE MKT	New York Stock Exchange Market
O	operations
O ₃	ozone
OBBN	Ontario Benthos Biomonitoring Network
OBE	operations basis earthquake
OCP	Official Community Plan
OHSMP	Occupational Health and Safety Management Plan
OMP	Operations Management Plan
OMS Manual	Operations, Maintenance, and Surveillance Manual
OPEX	operating expenditure
ORV	off-road vehicle
OVB	overburden
oz	ounce
%	percent
P	Probability
P.Eng.	Professional Engineer
p.m.	post meridiem
PA	Participation Agreement
PAG	potentially acid generating (mine waste or ore)
PAG/ML	potentially acid generating/metal leaching
PAH	polyaromatic hydrocarbons
PASB	Permit Authorization and Service Bureau
PC	post-closure

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Abbreviations and Units of Measure	Definition
PCA	Principal Component Analysis
PCMTR	Plant Chemical and Mechanical Treatment Record
PEA	Preliminary Economic Assessment
PEL	Probable Effects Level
PEM	Predictive Ecosystem Mapping
PEP	Project Execution Plan
PGA	peak ground acceleration
PGTSA	Prince George Timber Supply Area
pH	negative log of the hydrogen ion concentration
PHAC	Public Health Agency of Canada
PHREEQC	pH Redox Equilibrium model written in the C computer language
PLC	programmable logic controller
PM	particulate matter
PM ₁₀	particulate matter no greater than 10 micrometres in aerodynamic diameter
PM _{2.5}	particulate matter no greater than 2.5 micrometres in aerodynamic diameter
PMF	Probable Maximum Flood
PMP	Probable Maximum Precipitation
PMT	Project Management Team
PNG	Pacific Northern Gas Limited
PNL	Perceived Noise Level
Pocock	Pocock Industrial
POT	potassic
PPA	Potential Problem Analysis
PPE	Personal Protective Equipment
ppm	parts per million
PQRA	Preliminary Qualitative Risk Assessment
PRB	Permeable Reactive Barrier
Project (the)	proposed Blackwater Gold Project
Proponent (the)	New Gold Inc.
psi	pounds per square inch
PSL	permissible sound level
PTP ASEP	Pacific Trails Pipelines Aboriginal Skills Employment Partnership
PWTP	potable water treatment plant
PY	person year

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Abbreviations and Units of Measure	Definition
PYLL	Potential Years of Life Lost
PWL	sound power level
QA/QC	Quality Assurance / Quality Control
QRA	Qualitative Risk Assessment
r ²	coefficient of determination
RB	rainbow trout
RBC	Rotating Biological Contactor
RC	reverse circulation
RCBC	Recycling Council of British Columbia
RCI	Regional and Community Infrastructure
RCMP	Royal Canadian Mounted Police
RCP	Reclamation and Closure Plan
RD	Regional District
RDBN	Regional District of Bulkley-Nechako
RDEA	Regional District Electoral Area
RFI	Recreational Features Inventory
RH	relative humidity
RIB	Rapid Infiltration Basin
RIC	Resource Inventory Committee
RISC	Resource Inventory Standards Committee
RMZ	Resource Management Zone
RN/RM	Road Natural / Road Modified
ROS	Regression on Order Statistics
ROW	right-of-way
rpm	revolutions per minute
RQD	Rock Quality Designation
RSA	Regional Study Area
RSTBC	Recreation Sites and Trails British Columbia
RTEMP	Recruitment, Training, and Employment Management Plan
s	second
S	Taxa richness
SABC	SAG/ball mill/crusher [grinding circuit]
SAG	semi-autogenous grind [mill]
SAO	Safe Act Observation
SARA	<i>Species at Risk Act</i>

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Abbreviations and Units of Measure	Definition
SBC	Statutes of British Columbia
SBPS	Sub-Boreal Pine – Spruce zone
SBPSmc	Sub-Boreal Pine – Spruce Moist Cold subzone
SBS	Sub-Boreal Spruce zone
SBSdk	Sub-Boreal Spruce Dry Cool subzone
SBSdw2	Sub-Boreal Spruce Blackwater Dry Warm variant
SBSdw3	Sub-Boreal Spruce Stuart Dry Warm variant
SBSmc2	Sub-Boreal Spruce Babine Moist Cold variant
SBSmc3	Sub-Boreal Spruce Kluskus Moist Cold variant
SC	Statistics Canada
SCADA	supervisory control and data acquisition
SCN ⁻	thiocyanate
SCP	Sediment Control Pond
SCWG	Soil Classification Working Group
SD	School District
Se	selenium
SE	standard error
SECP	Sediment and Erosion Control Plan
SEEPW	Groundwater seepage model developed by Geoslope (Windows version)
SEL	Severe Effects Level
SER	sericitic
SERSA	Socioeconomic Regional Study Area
SFE	Shake Flask Extraction
SFN	Saik'uz First Nation
SGSB	select granular sub-base
SHES	New Gold Safety, Health Environment and Sustainability Policy
SIIMS	Stakeholder and Issues Information Management System
SIL	Survey Intensity Level
SIPSR	Site and Invasive Plant Survey Record
SMR	Standardized Mortality Ratio
SMU	Soil Map Unit
SO ₂	sulphur dioxide
SOP	Standard Operating Procedure
SO _x	sulphur oxide

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Abbreviations and Units of Measure	Definition
SPD	Standard Proctor Density
SPL	sound permissible level
SPM	semi-primitive motorized
SPNM	semi-primitive, non-motorized
SPP	species (plural)
SPPT	Sphagnum peat
SSA	Sound Spectrum Analyzer
StFN	Stellat'en First Nation
STN	Skin Tyee Nation
STP	Sewage Treatment Plant
SWF	Solid Waste Facility
SWIF	Short Wave Infrared
SWP	Safe Work Practice
t	tonne (metric)
t	Total (as in total metals) or metric tonne (context dependent)
T	total (as in total metals) or metric tonne (context dependent)
t/d	tonnes per day
t/kg	tonnes per kilogram
t/m ³	tonnes per cubic metre
t/y	tonnes per year
TAMP	Transportation and Access Management Plan
Tatekluz Resort	Tatelkuz Lake Ranch Resort
TB	Tuberculosis
TC	Transport Canada
TDH	total dynamic head
TDS	total dissolved solids
TEM	Terrestrial Ecosystem Mapping
TFA	Tsilhqot'in Framework Agreement
TFCS	Temperature and Flow Control System
TK	Traditional Knowledge
TK/TLU	Traditional Knowledge / Traditional Land Use
TL	Transmission loss
TLU	Traditional Land Use
TLUS	Traditional Land Use and Ecological Knowledge Study
TNG	Tsilhqot'in National Government

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Abbreviations and Units of Measure	Definition
TOM	Total Organic Matter
TOR	Terms of Reference
TPM	Total Particulate Matter
TRG	Tissue Residue Guideline
TRIM	Terrain Resource Information Management
Triton	Triton Environmental Consultants Ltd.
TRV	Toxicological Reference Values
TSF	Tailings Storage Facility
TSM	Towards Sustainable Mining
TSP	Total Suspended Particulate
TSS	Total Suspended Solids
TSX	Toronto Stock Exchange
UBC	University of British Columbia
UCS	Unconfined Compressive Strength
UFN	Ulkatcho First Nation
US	United States
US EPA	United States Environmental Protection Agency
US FWS	United States Fish and Wildlife Service
US gpm	United States gallons per minute
UTM	Universal Transverse Mercator
UV	ultraviolet
UWR	ungulate winter range
V	volt
VAC	Visual Absorption Capacity
VC	Valued Component
VFD	Variable Frequency Drive
VLF	Very Low Frequency
VLI	Visual Landscape Inventory
VOC	Volatile Organic Carbon
VP	Vice-President
VQO	Visual Quality Objective
VR	Viewer Rating
VRAMP	Visual Resources and Aesthetics Management Plan
VRI	Vegetation Resource Inventory
VSC	Visual Sensitivity Classes

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Abbreviations and Units of Measure	Definition
VSU	Visual Sensitivity Unit
VWP	Vibrating Wire Piezometers
W/m ²	Watt per square metre
WAD	Weak Acid Dissociable
WCA	British Columbia <i>Weed Control Act</i>
WCAS	West Central Airshed Society
WCB	Workers Compensation Board
WG	Working Group
WGB	Well Grade Base
WHMIS	Workplace Hazardous Materials Information System
WHO	World Health Organization
wk	week
wk/y	weeks per year
WLMP	Wildlife Management Plan
WMA	Wildlife Management Area
WMN	Watershed Model Node
WMO	World Meteorological Organization
WMP	Wetlands Management Plan
WMU	Wildlife Management Unit
WN	Watershed Nodes
WOL	Whole Ore Leach
WPMP	Whitebark Pine Management Plan
WQLDMP	Water Quality and Liquid Discharges Management Plan
WSC	Water Survey of Canada
WSE	Water Surface Elevation
WSU	white sucker
WUL	Wrap-Up Liability
WWA	Western Water Associates
wwt	wet weight
y	year
YOY	young of year
Z1%	Euphotic depth
Zn	zinc

GLOSSARY

Term	Definition
At risk	A taxon that meets one or more of the following criteria: is listed in Schedule 1 of SARA; is Blue-listed in British Columbia; is Red-listed in British Columbia.
Biogeoclimatic Unit	Refers to any of the following levels of biogeoclimatic ecosystem classification: zone, subzone, variant, or phase.
Blue-listed Species	Any ecosystem or indigenous species, subspecies, or variety considered to be of special concern (formerly vulnerable) in British Columbia by the BC CDC.
Brownfields Development	Development in an area with existing effects, aligning with the footprint of existing or previous structures
COSEWIC	Committee on the Status of Endangered Wildlife in Canada. When SARA became law in 2003, COSEWIC became an independent body of experts responsible for identifying and assessing wildlife species considered to be at risk in Canada. It reports results to the Canadian government and public. Wildlife species designated by COSEWIC may qualify for legal protection and recovery under SARA.
Ecoregion	A lower level of classification within the Ecoregion Classification system. Ecoregion represents an area with major physiographic and minor macroclimatic or oceanographic variation, defined at the regional level.
Ecosection	A lower level of classification within the Ecoregion Classification system. Ecosection represents an area with minor physiographic and macroclimatic or oceanographic variation, defined at the sub-regional level.
Ecosystem Unit	Refers to a plant association or site series within a biogeoclimatic unit (zone, subzone, variant, or phase).
Endangered Species	A wildlife species on Schedule 1 of SARA that is facing imminent extirpation or extinction.
Extinct	A species that no longer exists, with a global conservation status of GX.
Extirpated Species	A wildlife species on Schedule 1 of SARA that no longer exists in the wild in Canada, but exists elsewhere in the wild.
Geomorphology	The science of surface landforms dealing with the general configuration of the surfaces of the earth and the processes that shaped them
Global Rank	Global conservation status rank for an element, as determined by NatureServe, based on information provided by Natural Heritage Programs and Conservation Data Centres.
Greenfields Development	Development in an area with no existing effects

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Term	Definition
Hillshade	Raster-based imagery that simulates cast shadow of the sun upon a raised relief map
Invasive Plant	A plant that is non-native to British Columbia.
Landscape Unit	Landscape units are spatially identified areas of land used for long-term planning of resource management activities. Landscape units are important for designing strategies and objectives to maintain landscape level bio-diversity and for managing other forest resources. Landscape units are also used to initiate landscape unit plans, which provide direction on biodiversity, old growth forest retention, wildlife habitat maintenance, and timber harvesting.
Line of sight	An imaginary line representing an unobstructed path between the eye of a potential observer and a perceived object
Natural Breaks (Jenks)	A data classification method designed to determine the best arrangement of values into different classes
Noxious Species	Any weed designated by regulation to be noxious under the BC <i>Weed Control Act</i> (1996) and Regulations, administered by the BC Ministry of Agriculture and Lands.
Old Growth Forest	Old, structurally complex stands composed mainly of shade-tolerant and regenerating tree species. The age of old growth forests varies among BGC units.
Provincial Lists	List of elements considered to be either endangered or threatened (Red List), special concern (Blue List), or not at risk (Yellow List) in British Columbia.
Provincial Rank	Conservation status rank for an element occurring or formerly occurring in British Columbia.
Provincially Endangered	Taxa facing imminent extirpation or extinction in British Columbia.
Provincially Extirpated	Taxa that no longer exist in the wild in British Columbia, but do occur elsewhere.
Provincially Threatened	Taxa likely to become endangered in British Columbia if limiting factors are not reversed.
Red-listed Species	Any ecosystem or indigenous species, subspecies, or variety that the BC CDC determines to be a candidate for Provincial extirpated, endangered, or threatened status in British Columbia.
Topography	Features of the earth comprising relief or terrain, the three-dimensional (3D) quality of the surface, and the identification of specific landforms
Scenic Quality	The measure of visual appeal of a tract of land, determined by examining landscape features such as topography, vegetation, and water features
Site Series	Site series refers to sites capable of producing the same mature or climax plant communities within a biogeoclimatic subzone or variant.

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Term	Definition
<i>Species at Risk Act (SARA)</i>	This legislation represents a key commitment by the Government of Canada to prevent wildlife species from being extirpated or becoming extinct, to provide for the recovery of wildlife species that are extirpated, endangered, or threatened as a result of human activity, and to manage species of special concern to prevent them from becoming endangered or threatened.
Species of Special Concern	A wildlife species that may become classified as threatened or endangered due to a combination of biological characteristics and identified threats.
Subzone	Biogeoclimatic zones are subdivided into subzones based on climatic and geographic variations, such as slightly drier, wetter, snowier, or warmer than other areas within a zone.
Structural Stage	Describes the appearance of a stand or community; structural features and age criteria are considered. E.g., “structural Stage 2d” refers to a dwarf shrub community, while “structural Stage 6” refers to a mature forest stand.
Taxa/Taxon	A group of organisms at a particular taxonomic rank, such as genus, species, or subspecies (taxa when plural; taxon when singular).
Threatened Species	A wildlife species on Schedule 1 of SARA that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction.
Variant	Biogeoclimatic subzones are further subdivided into variants based on geographic variations, such as Kluskus versus Stuart area.
Viewshed	An area of land, water, or other environmental element visible to the human eye from a fixed vantage point
Viewscape	All of the land and water seen from a point or along a series of points
Viewer Sensitivity	A measure of public concern for scenic quality
Visibility	The ability to have a clear and unobstructed view toward prominent objects with the naked eye, taking landscapes, vegetation cover, and climatic conditions into account
Visual Absorption Capability	The ability of a landscape to absorb and conceal developments, avoiding significant negative effect on its inherent scenic quality
Visual Aesthetics	The study of psychological responses to appearances
Zone	Biogeoclimatic zones are generalized units representing extensive areas of broadly homogeneous macroclimates.