Monsieur Nicolas Courville
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Montréal, April 25, 2023

Designated project	**Whabouchi Mining Project**
IAAC number	**80021**
Subject	**2022 Annual Report**

Mr. Courville,

This represents the annual report for the 2022 reporting year. The present annual report complies with condition 2.5 (2.5.1 to 2.5.5) of the Decision Statement dated July 29, 2015. In connection with this condition, a request was made to the Agency to adjust the reporting year to the new fiscal year established (since the corporate reorganization), from January 1 to December 31. Further details regarding the modifications made or proposed to the Whabouchi mining project were transmitted to the Agency on May 27, 2022 in the following document Modifications to the Whabouchi Mining Project - Nemaska Lithium - Response to the Canadian Impact Assessment Agency's Request for Clarification - ENV0742-1501-00 - GCM Consultants - GCM Reference No. 21-1331-0742 - 2022-04-28.

Note that since December 23, 2019, all construction work has been suspended and the teams demobilized. Since this temporary shutdown, a small team has been responsible for the general upkeep and maintenance of the mine site. This shutdown period also allows for the upgrading of the engineering studies for the entire project. Thus, in 2022, certain work teams presented themselves to the site on an ad hoc basis either for maintenance work, research projects or for other site evaluation work.

Therefore, this 2022 annual report constitutes an update of the activities carried out during this period. You will also find, in Appendix 1, a summary of the annual report, in both official languages.

Nemaska Lithium Inc. is proposing to construct, operate and decommission an open-pit surface and underground spodumene mine for the purpose of producing lithium. The Designated Project is located 30 kilometres from Nemiscau and 280 kilometres north-northwest of the municipality of Chibougamau. The Designated Project includes the operation of an open-pit and underground mine, a waste and tailings impoundment area, an ore concentrator, and administrative and maintenance buildings. The mine would have a production capacity of a maximum of 3,475 tonnes of ore per day over a mine life of 26 years for the open pit and 7 years of underground operation, for a total of 33 years.

Implementation of the Conditions Included in the Decision Statement

Condition	State of Implementation
2	**General conditions**
2.1	The Proponent shall, throughout all phases of the Designated Project, ensure that its actions in meeting the conditions set out in this Decision Statement are informed by the best available information and knowledge, including community and Indigenous traditional knowledge, are based on validated methods and models, are undertaken by qualified individuals and have applied the best available economically and technologically feasible mitigation measures.
	The project was wholly designed in compliance with this condition since the first steps of its development. These principles have since guided the development of the Whabouchi Project.
2.2	The Proponent shall, where consultation is a requirement of a condition set out in this Decision Statement: 2.2.1 provide a written notice of the opportunity for the party or parties being consulted to present their views on the subject of the consultation; 2.2.2 provide sufficient information and a reasonable period of time to permit the party or parties being consulted to prepare their views; 2.2.3 provide a full and impartial consideration of any views presented by the party or parties being consulted; and 2.2.4 advise the party or parties that have provided comments on how the views and information received have been considered by the Proponent.
2.3	The Proponent shall, where consultation with the Cree Nation of Nemaska is a requirement of the conditions set out in this Decision Statement, and prior to initiating that consultation, communicate with the Cree Nation of Nemaska to determine the manner by which to satisfy the consultation requirements referred to in condition 2.2.
	In accordance with Nemaska Lithium Inc.'s (NLI) commitments and the Chinuchi Agreement, the Whabouchi Implementation Committee (WIC) and the Environment Committee (EC) have been established. The WIC met three times in 2022, on January 26, April 26 and October 26. A WIC meeting was also scheduled for September 2022, but due to lack of member availability, the meeting was cancelled. It is important to note that two other committees were officially formed at the January 26, 2022 WIC meeting, namely the Training and Employment Committee (TEC) and the Economic Development Committee (EDC). At the April 26, 2022 WIC meeting, the TEC and EDC charters were adopted. These are available in Appendix 2 of this document. The Cree Liaison position was also discussed at this meeting. At the WIC meeting of October 26, 2022, the representatives of the Cree Community of Nemaska, the Cree Nation Government and NLI who will sit on the TECand the EDC were officially appointed. The Cree Liaison Officer was also introduced to the WIC members during this meeting. A TEC meeting was held on December 13, 2022. During this meeting, the committee's charter was discussed. All members were also given the opportunity to express their expectations of the Committee. As for the EC, the members met four times during the year 2022, i.e. on March 9, June 2, October 25 and December 14. During these meetings, the minutes of which are available in Appendix 2, several subjects related to the environment were discussed by the Committee members. They discussed the planning of environmental and social follow-ups for the year 2022, the results of the environmental and social follow-ups carried out in 2021, the planning of future permit

	applications, environmental issues encountered at the mine, events that occurred, etc. The EC's presentations are attached to the minutes mentioned above. It is important to note that only the minutes of the EC are public. The minutes of the other committees are of a confidential nature, as agreed upon by the members of these committees. It is important to note that the first meeting of the EDC is scheduled for February 14, 2023.
2.4	The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement: 2.4.1 undertake monitoring and analysis to verify the accuracy of the environmental assessment as it pertains to the particular condition and/or to determine the effectiveness of any mitigation measure(s); 2.4.2 determine whether additional mitigation measures are required based on the monitoring and analysis undertaken pursuant to condition 2.4.1; and 2.4.3 if additional mitigation measures are required pursuant to condition 2.4.2, implement and monitor these additional mitigation measures pursuant to condition 2.4.1.
	The Environmental and Social Monitoring Program (ESMP) was provided to the Cree partners, namely the Cree community of Nemaska and the Cree Nation Government (CNG). Comments were received from the CNG and COMEX in 2017 and 2018 so that all the comments made by our Cree and provincial partners could be taken into consideration in the revised version submitted to COMEX in March 2019. Other changes could be made; therefore, we plan to submit a final version of the PSES to the COMEX before the start of mining operations (schedule to be defined). Further modifications will be made and we expect to submit a revised version of the ESMP to the COMEX during 2023. With respect to the monitoring carried out in 2022, the third year of the asset maintenance period, the biophysical environment was monitored to maintain consistency in the accumulation of the data collected. Only one preventive measure was applied in connection with a voluntary monitoring of the BC-10 pond. This pond, constructed during the first phase of construction, collects runoff water from the overburden pad watershed and the BC-11 pond dike. The overflow from BC-10 pond flows to Lake Spodumene via an overflow weir and an outfall to the shore of Lake Spodumene through a bog. Between October and December 2022, we have preventively suspended the discharge to the Spodumene Lake bog by redirecting the water to the BC-11 pond due to observed iron and suspended solids (SS) results that were higher than those observed in previous years. Once the results were stabilized, the discharge resumed including monthly monitoring of the water quality in BC-10. Also, an application for a modification of authorization for the addition of a treatment unit at BC-10 pond was submitted to the MELCCFP in March 2023. The 2022 ESMP Annual Report is available in Appendix 3.
2.5	The Proponent shall, from the reporting year where construction starts, submit to the Agency an annual report, including an executive summary of the annual report in both official languages. The annual report shall be submitted by the Proponent no later than October 31 following the reporting year. The Proponent shall document in the annual report: 2.5.1 implementation activities undertaken in the preceding reporting year for each of the conditions set out in this Decision Statement; 2.5.2 how it met condition 2.1 in the implementation of the conditions set out in this Decision Statement; 2.5.3 for conditions set out in this document for which consultation with the Cree Nation of Nemaska is a requirement, how the Proponent has considered any views and information that the Proponent received during or as a result of the consultation;

	2.5.4 the results of the follow-up program requirements identified in conditions 3.7, 4.2, 5.1, 6.2 and 7.4; and 2.5.5 any additional mitigation measures implemented or proposed by the Proponent, as determined under condition 2.4.
	This annual report responds to the conditions set out in the Decision Statement. Note that a request was made to the Agency to adjust the reporting year to the new fiscal year established (since the corporate reorganization), from January 1 to December 31. This adjustment will also make it possible to present follow-ups for a full year. Consequently, it is proposed that the Proponent submit the annual report to the Agency no later than April 30 following the reporting year. The measures taken since the conception of the Whabouchi Mining Project to meet the conditions set out in the Decision Statement are informed by the best available information and knowledge, including community and Indigenous traditional knowledge, are based on validated methods and models, are undertaken by qualified individuals and have applied the best available economically and technologically feasible mitigation measures. Consideration of the views of the Cree community is done under the aegis of the Chinuchi Agreement signed in November 2014 between Nemaska Lithium, the Grand Council of the Crees (Eeyou Istchee), the Cree Nation Government (CNG) and the Cree Nation of Nemaska. This is done primarily by establishing two committees: the Whabouchi Implementation Committee (WIC) and the Environment Committee (EC). For the follow-ups requested under conditions 3.7, 4.2, 5.1, 6.2 and 7.4, we refer you to the status of implementation provided for these conditions in this table and to the 2021 ESMP Annual Report in Appendix 3. No additional mitigation measures related to condition 2.4 were implemented in the 2021 reporting year.
2.6	The Proponent shall publish on the Internet, or any similar medium, the annual report and the executive summary referred to in condition 2.5, the plan to offset the loss of fish and fish habitat referred to in condition 3.4, the communication plans referred to in conditions 5.3, 6.3, 7.5 and 8.4, and the implementation schedule and any updates or revisions to that schedule referred to in condition 9, upon submission of these documents to the parties referenced in the respective conditions. The Proponent shall keep these documents publicly available for 25 years following the end of operation or until the end of decommissioning of the Designated Project, whichever comes first.
	The Chinuchi Agreement is published on NLI's website. Note that at the time of writing this report, the NLI website is undergoing revision and only some information and documents are published. With regard to the compensation plan for the loss of fish and fish habitat, compensation development proposals have been submitted to the Department of Fisheries and Oceans Canada (DFO) in 2019. Discussions with DFO have resumed and an application for a Fisheries Act authorization will be submitted in the summer of 2023. With respect to the project implementation schedule, it is anticipated that the mine construction work will be carried out in 2023 and 2024, and that mining operations will begin in 2025. The latest version of the Whabouchi Project's schedule for the implementation of the various biophysical and human environment follow-ups for the construction phase is presented in Appendix 4.

2.7	The Proponent shall notify the Agency in writing no later than 60 days after the day on which there is a transfer of ownership, care, control or management of the Designated Project in whole or in part.
2.8	In the event that another party becomes the Proponent of the Designated Project, it is bound by the conditions set out in this Decision Statement.
	There have been no ownership transfers since the last merger leading to the Nemaska Lithium Inc. entity in 2020. In May 2022, a shareholder reorganization was completed (Livent acquired Pallinghurst's share of Quebec Lithium Partners) which did not change the Nemaska Lithium Inc. entity itself. Nemaska Lithium Inc. is still bound by the terms of this decision statement.
3	**Fish and fish habitat**
3.1	The Proponent shall manage effluent produced by the Designated Project by ensuring that effluent is collected and treated if required under condition 3.2 before being discharged into the environment.
	Mining operations are scheduled to begin in 2025. The water management plan for the Whabouchi mine site consists of a system of basins, a water treatment unit, pumping stations and interconnecting piping. All runoff water from the mine site will be captured by the peripheral drainage network and directed to collection basins. Studies were launched in 2021 and 2022 to review the entire water management plan to validate optimization opportunities. This plan will be available in 2023.
3.2	The Proponent shall comply with the Metal Mining Effluent Regulations, the Fisheries Act, and any requirements of the Government of Quebec regarding the management of effluent discharges from the Designated Project, including the installation of a wastewater treatment unit at the mine water pond discharge point, to be operated to ensure compliance with those standards and requirements.
	There are plans to set up a mine wastewater treatment plant downstream of the last collection basin to comply with Directive 019 and the *Metal and Diamond Mining Effluent Regulations*, and to strive for compliance with the EDOs issued for the final effluent from the Whabouchi project in the Nemiscau River (March 20, 2018). The mine wastewater treatment plant will be installed and operational from the start of mining operations and for all operating periods. Note that the final effluent in the Nemiscau River instead of in Lac des Montagnes, along with the justification, were sent to the Agency on July 19, 2017. The work related to the installation of the aquatic portion of this pipe was completed at the end of August 2018 and was consequently inspected during visits by Agency representatives to the Whabouchi site in 2018 and 2019.
3.3	The Proponent shall avoid the burial, installation and disassembly of the mine effluent discharge pipe in Lac des Montagnes during the critical timing windows for northern pike, walleye, white sucker, and lake whitefish, and shall take measures to control the release of suspended solids in the water during those construction activities.
	The burial and installation work for the section of pipe located in the Nemiscau River has been completed. The periods applicable to the protection of aquatic species present in the Nemiscau River were respected for the construction of the effluent, which was completed in August 2018 (summer low-water period). The restriction periods applicable to the Nemiscau River meant that the work to install the effluent had to be completed between June 1 and August 31 in order to protect the species spawning in the spring (walleye, northern pike, sucker) as well as those spawning in the fall (lake whitefish).

3.4	The Proponent shall, in consultation with Fisheries and Oceans Canada, develop and implement a plan to offset the loss of fish and fish habitat associated with the carrying out of the Designated Project.
3.5	For any fish habitat offsets area proposed in any offsetting plan under condition 3.4, prior to submitting the offsetting plan to Fisheries and Oceans Canada, and in consultation with the Cree Nation of Nemaska and the Cree Nation Government, the Proponent shall determine whether there are adverse effects on: 3.5.1 migratory birds and their habitat; 3.5.2 species at risk and their habitat; 3.5.3 current use of lands and resources for traditional purposes by the Cree Nation of Nemaska; and 3.5.4 sites of physical and cultural heritage importance to the Cree Nation of Nemaska.
3.6	The Proponent shall, if there are adverse effects on any of the elements of condition 3.5, avoid or lessen those adverse effects.
	Compensatory development proposals were submitted to Fisheries and Oceans Canada (DFO; Ecosystem Management Department,) in September 2019 in anticipation of the filing of an authorization request. A complementary study was also carried out in 2019 to monitor fish populations and their habitats in lakes 2, 27 and 28, in streams C and F and in lake 2, its tributary and its effluent, and was submitted in November 2019. Since 2020, considering that the project was put on hold, the study of the file at DFO was interrupted. In March 2023, a meeting with Ms. Annaïg Kervella, Biologist with the Fish and Fish Habitat Protection Program, DFO Regulatory Reviews was held to take stock of NLI's situation and reiterate our intention to proceed with the filing of the authorization request in the summer of 2023. The Compensation Plan is developed with due regard for conditions 3.5 and 3.6 in collaboration with experts from the Ministère des Forêts, de la Faune et des Parcs (MFFP), and taking into consideration the needs and concerns of the territory's Cree users.
3.7	The Proponent shall develop and implement a fish and fish habitat follow-up program that shall include: 3.7.1 monitoring whether implementation of the measures set out in the fish habitat offsetting plan is proving effective in achieving the objectives set out in that plan; 3.7.2 determining the effectiveness of effluent mitigation measures in managing effluent quality and effects on the receiving environment, including benthic organisms and fish in Lac des ~~Montagnes~~ (should be modified for the Nemiscau River); 3.7.3 monitoring effluent concentrations of lithium and beryllium, in accordance with the same requirements for the other substances specified in Schedule 5 of the Metal Mining Effluent Regulations, to verify the accuracy of water quality predictions in the environmental assessment; 3.7.4 monitoring surface water quality annually in Lac du Spodumène and lakes 1, 2, 18 and 28, to verify the accuracy of the water quality predictions in the environmental assessment. Monitoring shall begin with construction and end five years after decommissioning. The monitoring shall include the following elements: 3.7.4.1 analysis of the substances specified in the Metal Mining Effluent Regulations, Schedule 4 (column 1) and Schedule 5, subsection 4(1), with the addition of lithium and beryllium; and 3.7.4.2 comparison of the concentrations measured with the chronic aquatic life criteria, as defined in Quebec's *Critères de qualité de l'eau de surface* and the Canadian Council of

	Ministers of the Environment's *Canadian Water Quality Guidelines for the Protection of Aquatic Life*; 3.7.5 monitoring water flows and levels in relation to brook trout spawning sites in Stream D, in the downstream section of Stream C, and in a control watercourse not affected by pumping of the pit, and monitoring water levels in Lac du Spodumène and accessibility to the potential brook trout spawning site in Stream G. Details of the monitoring to be conducted shall be determined in consultation with Fisheries and Oceans Canada.
	The Compensation Plan developed with DFO shall include monitoring program to validate the achievement of the objectives of the compensation plan for the loss of fish and fish habitat. Monitoring fish habitat compensation measures will make it possible to verify, in the long term, the quality, sustainability and use by fish of the habitats that will be developed under the Whabouchi project compensation program. The monitoring of the final mining effluent is included in the Environmental and Social Monitoring Program (ESMP) and will be carried out during the operation and post-operation phases of the project. The general objective of the monitoring of the final effluent will be to monitor the quality and the volume discharged to ensure compliance with the requirements at all times. Regarding surface water quality monitoring of selected lakes in 2022, sampling campaigns were conducted during the late spring freshet period (June 1-4, 2022) and the summer low water period (July 28-31, 2022). The 2022 ESMP Annual Report is inserted in Appendix 3.
3.8	The Proponent shall, before construction begins, conduct an analysis to confirm the environmental assessment prediction that metals and metalloids contained in the waste rock and the tailings from the Designated Project are not leachable, and submit the results of the analysis to the Agency and the Cree Nation Government. If metals or metalloids contained in the waste rock and tailings prove to be leachable, the Proponent shall add these new leachable substances to the follow-up program for the quality of effluent and its receiving environment and implement mitigation measures to protect groundwater.
	The Université du Québec en Abitibi-Témiscamingue (UQAT) research study was conducted in 2021 to study the geochemical behaviour of lithologies and waste from the future Whabouchi mine. The end of the four (4) year project is scheduled for 2022. Note that the in situ experimental cells make it possible to reproduce the effect of real conditions at the Whabouchi site on the geochemistry of the waste rock and tailings that will be stored there during the operation phase. *In situ* cells have collected leachate samples since October 2017. The year 2021 was devoted to collecting additional data (monitoring of experimental cells; Geochemistry – mineralogy U; Other tests and academic milestones) all with a view to carrying out a complete and precise study. The year 2021 represented the end of laboratory testing and in situ monitoring. The year 2022 will be devoted to the compilation of the four complete years of monitoring for all parameters and drafting scientific articles. The results will be communicated to the Agency, Cree partners, the regional office of the MELCCFP and COMEX when they are published. SNC-Lavalin has also been mandated to carry out a hydrogeological study as part of the project to review the design of the waste rock and tailings co-disposal facility. This study will be available in 2023.
4	**Migratory birds**

4.1	The Proponent shall carry out all phases of the Designated Project in a manner that protects and avoids harming, killing or disturbing migratory birds or destroying, disturbing or taking their nests or eggs. In this regard, the Proponent shall take into account Environment Canada's *Avoidance Guidelines*. The Proponent's actions in applying the Avoidance Guidelines shall be in compliance with the *Migratory Birds Convention Act, 1994* and with the *Species at Risk Act*.
4.2	The Proponent shall develop and implement a follow-up program to determine the effectiveness of the mitigation measures used to comply with condition 4.1 during all phases of the Designated Project.
	The monitoring of wildlife species of interest and opportunistic wildlife observations is included in the Environmental and Social Monitoring Program (ESMP). The general objective of this monitoring is to assess the accuracy of the impact assessment and the effectiveness of the mitigation measures put in place. A register of wildlife observations was set up from the outset of construction and included occasional observations of animals on the territory, the location of habitats to be protected, collisions that occurred on access roads and other incidents related to wildlife. Observations are documented, including the presence of nests of migratory or endangered birds (common nighthawk, rusty blackbird, short-eared owl, olive-sided flycatcher, etc.) on the edge or on the mine site, including the Lac du Spodumène peat bog, and more specifically, the presence of common nighthawk nests in areas of bare soil within the project right-of-way. In addition, in the case of the discovery of a nest of a migratory or endangered bird on the edge or on the mine site, mitigation measures will be put in place to protect it (e.g. appropriate buffer zone, work stoppage, etc.). The effectiveness of these mitigation measures will be evaluated by observing from a distance and using binoculars whether or not there is activity at the nest. During the year 2022, a common nighthawk was observed twice in August but no incident was reported.
5	**Current use of land and resources for traditional purposes by Indigenous persons**
5.1	The Proponent shall, in consultation with the Cree Nation of Nemaska, develop and implement a follow-up program to monitor the presence of wildlife species of interest in the project area and to develop and implement corrective measures to mitigate adverse effects of the Designated Project on those wildlife species of interest. The follow-up program shall begin with the start of construction and end following decommissioning.
	As mentioned in the previous point, the monitoring of wildlife species of interest and opportunistic wildlife observations is included in the Environmental and Social Monitoring Program (ESMP). Also, the monitoring of the hydrological, ecological and habitat functions of the Lac du Spodumène peat bog and its shrubby swamp includes an inventory of the fauna using the Lac du Spodumène peat bog (avifauna, herpetofauna, micromammals). In 2022, foxes were the animals most often observed, on a few occasions, without getting closer to human activities. No incidents were reported. Note that only a small team of workers remained at the mine site to maintain the assets. Some mitigation measures for wildlife protection are applied: • Limit the circulation of heavy machinery and vehicles to predetermined locations (e.g. service roads and work areas); • Limit traffic speed to 30 km/h on the mine site service roads; • Ensure adequate collection and storage of waste to avoid attracting opportunistic animals to the mine site;

	• Educate workers about not feeding animals and not leaving food lying around so as not to attract them to the site; • Make workers aware of the importance of informing the person in charge when observing species with a precarious status. • Prohibit employee hunting activities within the boundaries of the mining lease and user leases; • Inform and make workers aware of the presence of a little brown bat nursery located near Route du Nord. The log is included in the 2022 ESMP Annual Report, which is available in Appendix 3.
5.2	In consultation with the Cree tallyman, the Cree Nation of Nemaska and the Cree Nation Government, the Proponent shall determine the optimal location of the effluent pipe in the Lac des Montagnes, taking into consideration the fishing areas of the Cree Nation of Nemaska.
	This condition was met in the 2016 reporting year, and therefore reported as of October 31, 2017. The decision to relocate the final effluent in the Nemiscau River instead of in Lac des Montagnes, along with the justification, were sent to the Agency on July 19, 2017. The work related to the installation of the aquatic portion of this pipe was completed at the end of August 2018 and was consequently inspected during the visit by Agency representatives to the Whabouchi site on September 13, 2018. In addition, due to the relocation of the discharge pipe and the mine effluent discharge point into the Nemiscau River (rather than into Lac des Montagnes), the monitoring of the use of the territory and the resources of trapline R20 will also be extended to the sector north of Route du Nord, between the waste and tailings impoundment area and the river.
5.3	The Proponent shall develop and implement a communication plan in consultation with the Cree Nation of Nemaska in order to keep the Cree Nation of Nemaska informed of the project schedule and any updates or revisions to that schedule as stated in condition 9 and of the results of the wildlife species of interest follow-up program. Implementation of the communication plan shall begin with the start of construction and end following decommissioning.
	The basis of the communication strategy was defined at the Environment Committee meeting of April 12, 2017 and was transmitted to you that same year. The communication strategy was reviewed with the Nemaska Cree Nation's communication department. The final version of this Strategy will have to be endorsed by the WIC in 2023. It will include, among other things, the holding of an annual Nemaska Cree Nation (NCN) Conference on the Environment, the publication of minutes of EC meetings, community radio interviews on environmental topics with NLI representatives, including the new NCN liaison officer, and publications on the community's social networks. Updates on the project schedule were provided to WIC, EDC and EC members in 2023. The results of the Environmental and Social Monitoring Program implemented in 2022 were presented transmitted to the EC for consultation on April 14, 2023. The minutes of these meetings are presented in Appendix 2 of this document. The members of the EC were also consulted on the follow-ups planned for the year 2022 during the meeting of June 2, 2022. It is important to note that only the minutes of the EC are public. The minutes of other committees are confidential in nature, as agreed to by the members of those committees.
5.4	In consultation with the Cree tallyman, the Cree Nation of Nemaska and the Cree Nation Government, the Proponent shall develop a program for the management of beaver and black bear, and the recuperation of harvested wood for the use of the Cree Nation of Nemaska in the project area prior to construction.

	The management of wildlife causing damages to infrastructures and/or staff is included in the Whabouchi project Environmental and Social Surveillance Program as well as in the Chinuchi Agreement. Employee awareness of responsible interactions with wildlife is continuously applied. These situations are managed in close collaboration with the R20 tallyman. The Environmental and Social Monitoring Program will be revised before construction resumes in 2023. No wood deemed of interest by the Crees was harvested as the vast majority of the mine site is burned areas. No incident with American beavers and bears was recorded in 2022.
5.5	In consultation with the Cree Nation of Nemaska, the Proponent shall determine a safety zone with respect to the designated project for the purpose of ensuring public safety.
	The safety zone is defined in the Chinuchi Agreement signed between the various parties in November 2014; and this document is publicly available on NLI's website. The Chinuchi Agreement was developed and signed by the Cree Nation of Nemaska, and the tallyman was involved in the delimitation of the safety zone, as specified in said Agreement.
5.6	The Proponent shall prohibit its employees and contractors from hunting, fishing and trapping within the limits of the lands described in the mining lease and the surface use leases unless an employee or a contractor is provided access for traditional purposes or for exercising Indigenous or treaty rights, in which case such access will be in accordance with all rules established by the Proponent with respect to the safety zone referred to in condition 5.5.
	The prohibition to practice hunting and fishing activities is mentioned in the welcome presentation of all new employees of the mine site. The Environmental and Social Surveillance Program also includes measures specifically for these aspects, all in compliance with the Chinuchi Agreement.
5.7	The Proponent shall, in consultation with the Cree Tallyman and the Cree Nation of Nemaska, undertake progressive reclamation of the habitats impacted by the Designated Project.
	The Whabouchi Mine Rehabilitation and Closure Plan was approved in September 2017 by the MERN and includes progressive rehabilitation of the mine site. This rehabilitation plan was revised and submitted to the MERN at the beginning of 2021. The revised plan was approved in February 2022. Otherwise, this condition is not applicable for the moment since the progressive reclamation of the mine site has not yet begun.
6	**Health and socio-economic conditions of Indigenous persons**
6.1	The Proponent shall, during all phases of the Designated Project, implement mitigation measures to manage air emissions of the Designated Project which shall include: 6.1.1 use of dust control products; 6.1.2 a 30 km/h speed limit for vehicles on the project site; and 6.1.3 progressive reclamation of the waste rock and tailings pile.
	The Whabouchi Project Environmental and Social Monitoring Program includes measures specifically for these aspects (ambient air and atmospheric emissions). The objective of the monitoring is to ensure that the quality of the ambient air and the discharges into the atmosphere from atmospheric emissions sources comply with the regulatory requirements and with the objectives targeted by the project. Monitoring has four (4) components: Ambient air quality; Air emissions; Greenhouse gas; Road watering plan on the mine site.

	The watering plan reduces dust on the mine site during dry periods. The plan was developed in accordance with applicable USEPA and federal standards. The use of dust suppressants, essentially water spread using a tank truck, was not necessary in 2022 given the absence of significant traffic. Also, a vehicle speed limit of 30 km/h has been in effect at the mine site since the very beginning of construction work. To this end, signs are present on the site. Dust deposits were not measured in 2022 given the cessation of activities at the mine site. The progressive reclamation of the site is provided for in the mine rehabilitation plan, which has not yet begun.
6.2	In order to verify the accuracy of the environmental assessment of the Designated Project and to determine the effectiveness of the mitigation measures identified in condition 6.1, the Proponent shall develop and implement the following monitoring programs: 6.2.1 monitoring the air quality at the Bible Camp and at the hunting camp most likely to be affected by the Designated Project using the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards* and the Quebec *Clean Air Regulation* as benchmarks. Air quality monitoring shall be implemented from the beginning of construction until the completion of the decommissioning phase; 6.2.2 The Proponent shall inform the Cree Nation of Nemaska if monitoring under condition 6.2.1 shows exceedances of the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards* or the Quebec *Clean Air Regulation* at the Bible Camp or hunting camp most likely to be affected, and, if necessary, implement additional mitigation measures; and 6.2.3 monitoring, every three years, of heavy metal concentrations in the flesh and livers of walleye, northern pike and lake whitefish in Lac des Montagnes and Lac du Spodumène. The monitoring program shall be implemented when construction begins and end five years after the decommissioning phase is completed.
	Air quality monitoring at the camps was interrupted at the end of 2019 (November) then in 2020 and 2021 due to the suspension of activities at the mine site. This monitoring will resume with the resumption of construction in 2023. Monitoring the concentration of heavy metals in the flesh and liver of walleye, northern pike and lake whitefish in the Montagnes and Spodumène lakes as well as the Nemiscau River makes it possible to assess the effects of the Whabouchi project on the potential for contamination of fish, and ultimately on the use of fishery resources. Clarification that the Nemiscau River has been added to the three-year monitoring. The three-year monitoring of the concentration of heavy metals in the flesh and liver of fish was carried out in 2018 then in 2021 (from September 8 to 18). The metal concentrations obtained during this monitoring compared to the 2018 concentrations are presented in the 2021 ESMP Annual Report in Appendix 3. The next follow-up will be conducted in 2024.
6.3	The Proponent shall, in consultation with the Cree Nation of Nemaska, develop and implement a plan for communicating the results of the monitoring programs specified in condition 6.2 to the Cree Nation of Nemaska, as well as any corrective measures to be taken. The Proponent shall implement this communication plan from the beginning of construction until the completion of decommissioning.
	With regard to the communication strategy, please refer to the above condition 5.3. The communication plan developed by the Environment Committee, on which representatives of the

	Cree Nation of Nemaska sit, includes the dissemination of the results of the Environmental and Social Monitoring Program. To this end, the results of the Environmental and Social Monitoring Program implemented in 2021 were presented to the members of the EC at the meetings of March 9 and June 2, 2022. The minutes of these meetings are presented in Appendix 2 of this document. The members of the EC were also consulted on the follow-ups planned for the year 2022 during the meeting of June 2, 2022.
7	**Physical or cultural heritage, and any structure, site or thing that is of historical, archaeological, paleontological, or architectural significance to Indigenous peoples**
7.1	In the event that archaeological remains or artifacts are discovered by the Proponent in the project area, the Proponent shall: 7.1.1 halt work at the location of the discovery; 7.1.2 have a qualified individual conduct an assessment at the location of the discovery; 7.1.3 inform, in writing, the Cree tallyman directly affected by the Designated Project, the Cree Nation of Nemaska and the Cree Nation Government, forthwith; and 7.1.4 comply with any legislative or legal requirements respecting the discovery of archaeological remains or artifacts.
	The Whabouchi Project Environmental and Social Surveillance Program includes measures specifically for these aspects. In the event that archaeological remains are accidentally discovered during work, the archaeological site(s) discovered will be managed in accordance with the requirements of the Cultural Heritage Act. The associated surveillance sheets are completed on this subject. In the event that archaeological remains are discovered on the mine site, the site managers have the obligation to report it without delay to the project manager and, if necessary, interrupt the work at the place of the discovery until archaeologists have conducted a complete evaluation. Nemaska Lithium will inform, among others, the tallyman and Cree authorities. No archaeological remains were discovered at the site in 2022.
7.2	The Proponent shall implement the following mitigation measures to reduce visual nuisance: 7.2.1 burial of the effluent pipe at least 100 metres away from the shoreline and in the littoral zone in accordance with the Fisheries and Oceans Canada requirements, in order to prevent or reduce serious harm to fish; 7.2.2 progressive re-vegetation of the waste rock and tailings pile; and 7.2.3 reclamation of the mine site after decommissioning is completed.
	The final effluent discharge point was relocated in the Nemiscau River, as outlined above for condition 5.2. Site conditions at the discharge point are such that the burial of the effluent pipe 100 m from the shore is not possible, but its burial will be maximized according to site conditions in order to make it not visible from the shore. The work related to the installation of the aquatic portion of this pipe was completed at the end of August 2018 and was consequently inspected during visits by Agency representatives to the Whabouchi site. The revegetation of the waste rock and tailings pile has not started since the project is in the construction phase, which is currently on hold. The Whabouchi Mine Rehabilitation and Closure Plan was approved in September 2017 by the MERN and includes progressive and final rehabilitation of the mine site. A revision of this plan was submitted at the beginning of 2021 and approved in February 2022.

7.3	The Proponent shall, subject to the safety requirements of the Designated Project and the safety zone established pursuant to condition 5.5, ensure access to Lac des Montagnes, in the north-east sector, so that the users of the Bible Camp can carry on all their activities on the lake and its shores, such as swimming and canoeing.
	The safety zone is defined in the Chinuchi Agreement signed between the various parties in November 2014; and this document is publicly available on NLI's website. The safety zone, as established, allows access to the sites mentioned on this condition.
7.4	The Proponent shall, during all phases of the Designated Project, develop and implement a noise-level follow-up program at the Bible Camp and the hunting camp most likely to be affected to verify that the noise levels originating from the Designated Project respect the noise levels set out in the *Note d'instructions du Québec 98-01 sur le bruit*.
	The main purpose of the vibration and sound level monitoring program is to monitor the evolution of the sound level and to detect unwanted vibrations that could be attributable to project activities. Sound and vibration levels are monitored at two stations on the site's periphery, allowing noise levels and vibration intensity to be measured. The two measurement stations (SI-1 and SI-2) are located at the Bible Camp and between Cree camps 1 and 2. Noise and vibration levels were not monitored in 2021 due to the suspension of activities at the mine site. This monitoring will resume in 2023 with the resumption of construction.
7.5	The Proponent shall develop and implement a plan for communicating the results of the follow-up program in condition 7.4 to the Cree Nation of Nemaska and shall consult the Cree Nation of Nemaska concerning implementation of any corrective measures.
	With regard to the communication strategy, please refer to the above condition 5.3. The communication plan developed by the Environment Committee, on which representatives of the Cree Nation of Nemaska sit, includes the dissemination of the results of the Environmental and Social Monitoring Program (ESMP).
8	**Accidents or malfunctions**
8.1	The Proponent shall take all reasonable measures to prevent accidents and malfunctions that may result in adverse environmental effects and shall implement emergency response procedures and contingencies developed in relation to the Designated Project.
	The Whabouchi Project Environmental and Social Surveillance Program includes many measures specifically for these aspects. The objective of the surveillance program is to verify the smooth running of the work and the proper functioning of the equipment and installations put in place and monitor any disturbance of the environment caused by the conduct or operation of the project. During the construction work, daily surveillance is carried out by the inspection team to ensure compliance with the environmental provisions. Surveillance sheets have been developed for this purpose. The welcome presentation addressed to all new workers at the mine site details the procedure to follow in the event of an incident. Intervention strategies are also described in the Emergency Measures Plan (EMP).
8.2	The Proponent shall, prior to construction, consult with the Cree Nation of Nemaska to identify potential accidents and malfunctions that may result in an adverse environmental effect, and the measures to be applied to prevent such accidents and malfunctions.
	The environmental and social surveillance program and the Emergency Measures Plan (EMP) were provided to the Cree partners, the Cree community of Nemaska and the Cree Nation Government (CNG). The CNG's comments were considered in the revised version of the EMP,

	which was submitted to COMEX on August 15, 2019 and approved on December 9, 2019 with recommendations. The EMP in asset maintenance mode was updated on March 20, 2020.
8.3	In the event of an accident or malfunction with the potential to cause adverse environmental effects, the Proponent shall: 8.3.1 notify relevant federal and provincial authorities, including notifying the Agency in writing of the accident or malfunction as soon as possible in the circumstances; 8.3.2 implement immediate measures to minimize any adverse environmental effects associated with the accident or malfunction; 8.3.3 submit a written report to the Agency no later than 30 days after the day on which the accident or malfunction took place. The written report shall include: 8.3.3.1 a description of the accident or malfunction and its adverse environmental effects; 8.3.3.2 the measures that were taken by the Proponent to mitigate the adverse environmental effects of the accident or malfunction; 8.3.3.3 a description of any residual environmental effects, and any additional measures required to address residual environmental effects; and 8.3.3.4 if an emergency response plan was implemented, details concerning its implementation; 8.3.4 no later than 90 days after the day on which the accident or malfunction took place, submit a written report to the Agency on the changes made to avoid a subsequent occurrence of the accident or malfunction, and on the implementation of any additional measures to mitigate residual environmental effects.
	NLI has developed a classification of the environmental incidents in order to identify accidents and malfunctions, which can cause negative environmental effects. Based on this classification and the associated procedure, the various federal and provincial entities in charge of environmental accidents management are informed in a timely manner and in compliance with the applicable conditions, standards, laws and regulations. When required, in the following month, the procedure also includes sending the Agency the conclusion of the formal investigation (detailed analysis of the causes) and all the corrective actions to be implemented.
8.4	The Proponent shall develop and implement a communication plan in consultation with the Cree Nation of Nemaska that shall include: 8.4.1 the type of accident or malfunction that requires a notification by the Proponent to the Cree Nation of Nemaska; 8.4.2 the manner by which the Cree Nation of Nemaska shall be notified by the Proponent of an accident or malfunction, and of any opportunities for the Cree Nation of Nemaska to assist in the response to the accident or malfunction; and 8.4.3 the contact information of the representatives of the Proponent that the Cree Nation of Nemaska may contact and of the representative of the Cree Nation of Nemaska to which the Proponent provides notification.
	With regard to the communication strategy, please refer to the above condition 5.3. The comments of the Crees of Nemaska have been integrated into the latest version of the EMP and the ESMP. Three (3) meetings were held for this purpose with the *Fire Department* and the *Public Safety Department* of Nemaska in July 2018 as well as in February and August 2019 to complete the integration of their comments and allow their integration into the EMP. Among these comments are details on the type of accident or malfunction that they believe requires reporting, as well as the approach to be recommended for doing so and the respective contact information.

	The Cree Nation Government (CNG)'s comments were considered in the revised version of the EMP, which was submitted to COMEX on August 15, 2019 and approved on December 9, 2019 with recommendations. The EMP in asset maintenance mode was updated on March 20, 2020 and sent to the authorities.
9	**Project schedule**
9.1	The Proponent shall submit an implementation schedule for conditions contained in this document to the Agency, or anyone designated pursuant to s. 89 of the *Canadian Environmental Assessment Act, 2012*, 30 days prior to construction. The implementation schedule shall indicate the commencement and completion dates for each activity relating to conditions set out in this document.
	The latest preliminary update of the construction and start of operation schedule for the Whabouchi mine was determined based on the results of the steps taken since the relaunch of the company's activities in early 2021 and in coordination with the construction schedule for the conversion plant in Bécancour. Thus, it is planned that the construction of the mine will be carried out in 2023 and 2024, and that mining operations will begin in 2025. The latest version of the schedule for the implementation of the various follow-ups of the biophysical and human environments of the Whabouchi project for the construction phase is presented in Appendix 4.
9.2	The Proponent shall submit an update to this project schedule in writing to the Agency, or anyone designated pursuant to s. 89 of the *Canadian Environmental Assessment Act, 2012,* every two years on or before October 31, until completion of the activities.
	As mentioned in condition 2.5, a request was made to the Agency to adjust the reporting year to the new fiscal year established (since the corporate reorganization), from January 1 to December 31. Consequently, it is proposed that the Proponent submit the annual report, including the updated implementation schedule, to the Agency no later than April 30 following the reporting year.
9.3	The Proponent shall provide the Agency, or anyone designated pursuant to s. 89 of the *Canadian Environmental Assessment Act, 2012*, with a revised implementation schedule if any material change occurs from the initial schedule or any subsequent updates. The Proponent shall provide the revised implementation schedule at least 30 days prior to the implementation of the change.
	Once the project is officially relaunched, if there is a significant change to the original schedule or other updates, NLI will provide a revised implementation schedule at least 30 days prior to the implementation of the change. The latest version of the schedule for the implementation of the various follow-ups of the biophysical and human environments of the Whabouchi project for the construction phase is presented in Appendix 4.
10	**Record keeping**
10.1	The Proponent shall maintain a written record, or a record in an electronic format compatible with that used by the Agency, and retain and make available that record to the Agency, or anyone designated pursuant to s. 89 of the *Canadian Environmental Assessment Act, 2012*, at a facility close to the Designated Project (local facility). The record shall include information related to the implementation of the conditions set out in this Decision Statement and the results of all associated monitoring including: 10.1.1 the place, date and time of any sampling, as well as techniques, methods or procedures used; 10.1.2 the dates and the analyses performed;

	10.1.3 the analytical techniques, methods or procedures used in the analyses; 10.1.4 the names of the persons who collected and analyzed each sample and documentation of any professional certifications relevant to the work performed that they might possess; and 10.1.5 the results of the analyses.
10.2	The Proponent shall retain and make available upon demand to the Agency, or anyone designated pursuant to s. 89 of the *Canadian Environmental Assessment Act*, *2012*, the information contained in condition 10.1 at a facility close to the Designated Project (or at a location within Canada and agreed upon by the Agency, should the local facility no longer be maintained). The information shall be retained and made available throughout construction and operation, and for twenty-five years following the end of operation or until the end of decommissioning, whichever comes first.
	Documents of interest under these conditions are kept in electronic format at the Whabouchi mine site.

Hoping that everything is to your complete satisfaction, we invite you, if additional information proves necessary, to communicate with the undersigned at (581) 305-2058 or denis.isabel@nemaskalithium.com.

Best regards,

<Signature removed>

Denis Isabel, Eng., Ph.D., FIC
Sustainability Vice President

encl.
Appendix 1: Summary of the annual report for the 2022 reporting year in both official languages
Appendix 2: Report on meetings with the Environment Committee and committee charters
Appendix 3: 2022 Annual Report of the Environmental and Social Monitoring Program (ESMP)
Appendix 4: Implementation schedule for the various Whabouchi project biophysical and human environment monitoring

Nemaska Lithium

Appendix 1
Summary of the annual report for the 2022 reporting year in both official languages

Monsieur Nicolas Courville
Agent principal d'application de la Loi
Agence d'évaluation d'impact du Canada (AEIC)
160, rue Elgin, 22e étage
Ottawa (ON) K1A 0H3

Montréal, le 25 avril 2023

Projet désigné	**Projet minier Whabouchi**
Numéro AEIC	**80021**
Objet	**Rapport annuel 2022**

Monsieur Courville,

La présente fait office de rapport annuel pour l'année de déclaration 2022. Le présent rapport annuel répond aux exigences de la condition 2.5 (2.5.1 à 2.5.5) de la Déclaration de décision datée du 29 juillet 2015.

Rappelons que depuis le 23 décembre 2019, tous les travaux de construction ont été suspendus et les équipes démobilisées. Depuis cet arrêt temporaire, une équipe restreinte assure l'entretien général et la maintenance du site minier. Cette période d'arrêt permet également la mise à niveau des études d'ingénierie de l'ensemble du projet. Ainsi, au cours de l'année 2022, certaines équipes de travail ce sont présentées au site de façon ponctuelle soit pour des travaux de maintenance, des projets de recherches ou pour d'autres travaux d'évaluation du site.

Condition 2.5.1 – Mise en œuvre des conditions énoncées dans la Déclaration de décision

Le présent rapport annuel répond aux conditions énoncées dans la Déclaration de décision. Une demande a été formulée à l'Agence afin d'ajuster l'année de déclaration à la nouvelle année fiscale établie (depuis la réorganisation corporative) soit du 1er janvier au 31 décembre. Cet ajustement permettra également de présenter les suivis pour une année complète. Conséquemment, il est proposé de remettre le rapport annuel à l'Agence au plus tard le 30 avril suivant l'année de déclaration.

Le plan de restauration minière du projet Whabouchi a été approuvé en septembre 2017 par le MERN et inclut la restauration progressive du site minier. Ledit plan de restauration a été révisé et déposé au MERN au début de l'année 2021. Le plan révisé a été approuvé en février 2022.

Le Programme de suivi environnemental et social (PSES) a été fourni aux partenaires cris, c'est-à-dire, la communauté crie de Nemaska et le Gouvernement de la Nation crie (GNC). Des commentaires ont été reçus du GNC et du COMEX en 2017 et 2018 de sorte que l'ensemble des commentaires émis par nos partenaires cris et provinciaux ont pu être pris en compte dans la version révisée soumise au COMEX en mars 2019. D'autres modifications seront apportées et nous prévoyons ainsi soumettre une version révisée du PSES au COMEX au cours de l'année 2023.

Au sujet du plan compensatoire de la perte de poissons et d'habitat du poisson, des propositions d'aménagements compensatoires ont été soumis au ministère des Pêches et Océans du Canada (MPO) 2019. En mars 2023, une rencontre avec Mme Annaïg Kervella, Biologiste au Programme de protection du poisson et de son habitat, Examens réglementaires du MPO s'est tenue afin de faire le point sur la situation de NLI et réitérer notre intention de procéder au dépôt de la demande d'autorisation au cours de l'été 2023.

Concernant le plan de gestion des eaux du site minier, des études ont été lancées en 2021 et 2022 afin de revoir l'ensemble du plan de gestion des eaux afin de valider les possibilités d'optimisation. Ce plan sera disponible en 2023.

Le projet de recherche de l'Université du Québec en Abitibi-Témiscamingue (UQAT) s'est poursuivi en 2021 afin d'étudier le comportement géochimique des lithologies et rejets de la future mine Whabouchi. L'année 2022 a été consacrée à la compilation des 4 années complètes de suivi pour tous les paramètres et la rédaction d'articles scientifiques qui seront publiés en 2023.

En ce qui concerne le calendrier de mise en œuvre du projet, il est prévu que les travaux de construction de la mine soient exécutés en 2023 et 2024, et que les travaux d'exploitation minière débutent en 2025. La dernière version du calendrier de mise en œuvre des différents suivis du milieu biophysique et du milieu humain du projet Whabouchi pour la phase construction a été mise à jour.

Condition 2.5.2 – Mise en œuvre de la condition 2.1 de la Déclaration de décision

Les mesures prises depuis la conception du projet minier Whabouchi pour satisfaire aux conditions énoncées dans la Déclaration de décision s'inspirent des meilleures informations et connaissances disponibles, incluant les connaissances des collectivités et les connaissances traditionnelles autochtones, et sont fondées sur des méthodes et des modèles validés, mis en œuvre par des personnes qualifiées, et appliquent les meilleures mesures d'atténuation réalisables sur les plans économique et technologique.

Condition 2.5.3 – Prise en compte des points de vue de la communauté crie de Nemaska

La prise en compte des points de vue de la communauté crie, se fait sous l'égide de l'entente Chinuchi signée en novembre 2014 entre Nemaska Lithium, le Grand Conseil des Cris (Eeyou Istchee), le Gouvernement de la Nation crie (GNC) et la Nation crie de Nemaska. Cela se fait principalement par la mise en place de deux comités : le Comité de mise en œuvre, ou WIC, et le Comité Environnement (EC).

Les bases de la stratégie de communication ont été définies lors de la rencontre du Comité Environnement du 12 avril 2017 et vous ont été transmises cette même année. La stratégie de communication a été révisée avec le service de communication de la Nation Crie de Nemaska. La version finale de cette Stratégie devra être avalisée par le WIC en 2023. Elle comprendra, notamment, la tenue d'une Conférence annuelle sur l'environnement au sein de la Nation Crie de Nemaska (NCN), la publication des comptes-rendus des rencontres du EC, des entrevues à la radio communautaire sur des sujets environnementaux avec des représentants de NLI, dont le nouvel agent de liaison issu de la NCN et des publications sur les réseaux sociaux de la Communauté. Des mises à jour sur le calendrier du projet ont été communiquées aux membres du WIC, du EDC et du EC en 2023.

Les résultats du Programme de suivi environnemental et social mis en œuvre en 2022 ont été présentés transmis au EC pour consultation le 14 avril 2023. Les membres du EC ont également été consultés sur les suivis planifiés pour l'année 2022 lors de la rencontre du 2 juin 2022.

Condition 2.5.4 – Résultats du programme de suivi exigés aux conditions 3.7, 4.2, 5.1, 6.2 et 7.4

Le calendrier détaillé de mise en œuvre des différents plans de suivi du programme de suivi environnemental et social (PSES) a été établi en fonction des différentes phases du projet. En ce qui a trait aux divers suivis réalisés au cours de l'année 2022 soit la troisième année en période de maintien des actifs, certains suivis du milieu biophysique ont été réalisés afin de maintenir une constance dans l'accumulation des données recueillies. Le Rapport annuel 2022 du PSES est disponible.

Concernant le suivi de la qualité de l'eau de surface de certains lacs en 2022, les campagnes d'échantillonnage ont été réalisées à la période de la fin de la crue printanière (1 au 4 juin 2022) et à la période d'étiage estival (28 au 31 juillet 2022).

Le plan de compensation élaboré avec le ministère des Pêches et Océans du Canada (MPO) inclura un programme de suivi afin de valider l'atteinte des objectifs du plan compensatoire de la perte de poissons et d'habitat du poisson. Le plan de compensation a été élaboré en collaboration avec les experts du ministère des Forêts, de la Faune et des Parcs (MFFP), et en tenant compte des besoins et des préoccupations des utilisateurs cris du territoire. Les

discussions avec le MPO ont repris et une demande d'autorisation en vertu de la Loi sur les pêches sera déposée à l'été 2023.

Le suivi des espèces fauniques d'intérêt et observations fauniques opportunistes est inclus au programme de suivi environnemental et social (PSES). L'objectif général de ce suivi est d'évaluer la justesse de l'évaluation des impacts et l'efficacité des mesures d'atténuation mises en place. Un registre des observations fauniques a été mis en place dès le début de la construction et inclus les observations ponctuelles d'animaux sur le territoire, la localisation des habitats à protéger, les collisions survenues sur les chemins d'accès et autres incidents en lien avec la faune. Au cours de l'année 2022, un engoulevent d'Amérique a été observé en août, sinon, ce sont majoritairement des renards qui ont été observés à quelques reprises, sans se rapprocher des activités humaines. Aucun incident n'a été répertorié.

Le suivi de la concentration en métaux lourds dans la chair et le foie du doré jaune, du grand brochet et du grand corégone dans les lacs des Montagnes et du Spodumène ainsi que de la rivière Nemiscau permet d'évaluer les effets du projet Whabouchi sur le potentiel de contamination des poissons, et ultimement sur l'utilisation des ressources halieutiques. Précisions que la rivière Nemiscau a été ajoutée dans le suivi triennal. Le suivi triennal de la concentration en métaux lourds dans la chair et le foie des poissons a été effectué en 2018 puis en 2021 (du 8 au 18 septembre). Le prochain suivi sera réalisé en 2024.

Aucun vestige archéologique n'a été découvert sur le site en 2022.

Aucune mesure de retombées des poussières n'a été réalisée au cours de l'année 2022 considérant l'arrêt des activités au site minier.

La remise en état progressive du site est prévue au plan de restauration minière lequel n'est pas débuté.

Le suivi des niveaux de bruit et vibrations n'a pas été entrepris en 2022 en raison de la suspension des activités au site minier.

Condition 2.5.5 – Mesures d'atténuation supplémentaires en lien avec la condition 2.4

Aucune mesure d'atténuation supplémentaire en lien avec la condition 2.4 n'a été mise en œuvre au cours de l'année de déclaration 2022.

En espérant le tout à votre entière satisfaction, nous vous invitons, si des renseignements additionnels s'avéraient nécessaires, à communiquer avec le soussigné au (581) 305-2058, ou par courriel à denis.isabel@nemaskalithium.com.

Veuillez agréer, l'expression de nos sentiments distingués.

<Signature removed>

Denis Isabel, ing., Ph.D., FIC

Vice-président Développement durable

Nemaska Lithium

Monsieur Nicolas Courville
Agent principal d'application de la Loi
Agence d'évaluation d'impact du Canada (AEIC)
160, rue Elgin, 22e étage
Ottawa (ON) K1A 0H3

Montréal, April 25, 2023

Designated project	**Whabouchi Mining Project**
IAAC number	**80021**
Subject	**2022 Annual Report**

Mr. Courville,

This represents the annual report for the 2022 reporting year. The present annual report complies with condition 2.5 (2.5.1 to 2.5.5) of the Decision Statement dated July 29, 2015.

Note that since December 23, 2019, all construction work has been suspended and the teams demobilized. Since this temporary shutdown, a small team has been responsible for the general upkeep and maintenance of the mine site. This shutdown period also allows for the upgrading of the engineering studies for the entire project. Thus, in 2022, certain work teams presented themselves to the site on an ad hoc basis either for maintenance work, research projects or for other site evaluation work.

Condition 2.5.1 – Implementation of the Conditions Included in the Decision Statement

This annual report responds to the conditions set out in the Decision Statement. A request was made to the Agency to adjust the reporting year to the new fiscal year established (since the corporate reorganization), from January 1 to December 31. This adjustment will also make it possible to present follow-ups for a full year. Consequently, it is proposed that the Proponent submit the annual report to the Agency no later than April 30 following the reporting year.

The Whabouchi Mine Rehabilitation and Closure Plan was approved in September 2017 by the MERN and includes progressive rehabilitation of the mine site. This rehabilitation plan was revised and submitted to the MERN at the beginning of 2021. The revised plan was approved in February 2022.

The Environmental and Social Monitoring Program (ESMP) was provided to the Cree partners, namely the Cree community of Nemaska and the Cree Nation Government (CNG). Comments were received from the CNG and COMEX in 2017 and 2018 so that all the comments made by our Cree and provincial partners could be taken into consideration in the revised version submitted to COMEX in March 2019. Other changes could be made; therefore, we plan to submit a final version of the PSES to the COMEX before the start of mining operations (schedule to be defined). Further modifications will be made and we expect to submit a revised version of the ESMP to the COMEX during 2023.

With regard to the compensation plan for the loss of fish and fish habitat, compensation development proposals have been submitted to the Department of Fisheries and Oceans Canada (DFO) in 2019. Since 2020, considering that the project was put on hold, the study of the file at DFO was interrupted. In March 2023, a meeting with Ms. Annaïg Kervella, Biologist with the Fish and Fish Habitat Protection Program, DFO Regulatory Reviews was

held to take stock of NLI's situation and reiterate our intention to proceed with the filing of the authorization request in the summer of 2023.

With regard to the mine site water management plan, Studies were launched in 2021 and 2022 to review the entire water management plan to validate optimization opportunities. This plan will be available in 2023.

The Université du Québec en Abitibi-Témiscamingue (UQAT) research study was conducted in 2021 to study the geochemical behaviour of lithologies and waste from the future Whabouchi mine. The year 2022 was devoted to compiling the full 4 years of monitoring for all parameters and writing scientific papers to be published in 2023.

With respect to the project implementation schedule, it is anticipated that the mine construction work will be carried out in 2023 and 2024, and that mining operations will begin in 2025. The latest version of the Whabouchi Project's schedule for the implementation of the various biophysical and human environment follow-ups for the construction phase has been updated.

Condition 2.5.2 – Implementation of Conditions 2.1 Included in the Decision Statement

The measures taken since the conception of the Whabouchi Mining Project to meet the conditions set out in the Decision Statement are informed by the best available information and knowledge, including community and Indigenous traditional knowledge, are based on validated methods and models, are undertaken by qualified individuals and have applied the best available economically and technologically feasible mitigation measures.

Condition 2.5.3 – Consideration of the views of the Cree community of Nemaska

Consideration of the views of the Cree community is done under the aegis of the Chinuchi Agreement signed in November 2014 between Nemaska Lithium, the Grand Council of the Crees (Eeyou Istchee), the Cree Nation Government (CNG) and the Cree Nation of Nemaska. This is done primarily by establishing two committees: the Whabouchi Implementation Committee (WIC) and the Environment Committee (EC).

The basis of the communication strategy was defined at the Environment Committee meeting of April 12, 2017 and was transmitted to you that same year. The communication strategy was reviewed with the Nemaska Cree Nation's communication department. The final version of this Strategy will have to be endorsed by the WIC in 2023. It will include, among other things, the holding of an annual Nemaska Cree Nation (NCN) Conference on the Environment, the publication of minutes of EC meetings, community radio interviews on environmental topics with NLI representatives, including the new NCN liaison officer, and publications on the community's social networks.

The results of the Environmental and Social Monitoring Program implemented in 2022 were presented transmitted to the EC for consultation on April 14, 2023. The minutes of these meetings are presented in Appendix 2 of this document. The members of the EC were also consulted on the follow-ups planned for the year 2022 during the meeting of June 2, 2022.

Condition 2.5.4 – Results of the Follow-up Program Requirements Identified in Conditions 3.7, 4.2, 5.1, 6.2 and 7.4

The detailed schedule for the implementation of the various monitoring plans of the Environmental and Social Monitoring Program (ESMP) has been established according to the different phases of the project. With respect to the monitoring carried out in 2022, the third year of the asset maintenance period, the biophysical environment was monitored to maintain consistency in the accumulation of the data collected.

The 2022 ESMP Annual Report is available.

Regarding surface water quality monitoring of selected lakes in 2022, sampling campaigns were conducted during the late spring freshet period (June 1-4, 2022) and the summer low water period (July 28-31, 2022).

The Compensation Plan developed with Fisheries and Oceans Canada (DFO) shall include monitoring program to validate the achievement of the objectives of the compensation plan for the loss of fish and fish habitat. The Compensation Plan was developed in collaboration with experts from the Ministère des Forêts, de la Faune et des Parcs (MFFP), and taking into consideration the needs and concerns of the territory's Cree users.

Discussions with DFO have resumed and an application for a Fisheries Act authorization will be submitted in the summer of 2023.

The monitoring of wildlife species of interest and opportunistic wildlife observations is included in the Environmental and Social Monitoring Program (ESMP). The general objective of this monitoring is to assess the accuracy of the impact assessment and the effectiveness of the mitigation measures put in place. A register of wildlife observations was set up from the outset of construction and included occasional observations of animals on the territory, the location of habitats to be protected, collisions that occurred on access roads and other incidents related to wildlife. In 2022, a common nighthawk was observed twice in August. Otherwise, foxes were the animals most often observed, on a few occasions, without getting closer to human activities No incidents were reported.

Monitoring the concentration of heavy metals in the flesh and liver of walleye, northern pike and lake whitefish in the Montagnes and Spodumène lakes as well as the Nemiscau River makes it possible to assess the effects of the Whabouchi project on the potential for contamination of fish, and ultimately on the use of fishery resources. Clarification that the Nemiscau River has been added to the three-year monitoring. The three-year monitoring of the concentration of heavy metals in the flesh and liver of fish was carried out in 2018 then in 2021 (from September 8 to 18). The metal concentrations obtained during this monitoring compared to the 2018 concentrations are presented in the 2021 ESMP Annual Report. The next follow-up will be conducted in 2024.

No archaeological remains were discovered at the site in 2022.

Dust deposits were not measured in 2022given the cessation of activities at the mine site.

The progressive reclamation of the site is provided for in the mine rehabilitation plan, which has not yet begun.

Noise and vibration levels were not monitored in 2022 due to the suspension of activities at the mine site.

Condition 2.5.5 – Additional Mitigation Measures Related to Condition 2.4

No additional mitigation measures related to condition 2.4 were implemented in the 2022 reporting year.

Hoping that everything is to your complete satisfaction, we invite you, if additional information proves necessary, to communicate with the undersigned at (581) 305-2058 or denis.isabel@nemaskalithium.com.

Best regards,

<Signature removed>

Denis Isabel, Eng., Ph.D., FIC

Sustainability Vice President

Appendix 2
Report on meetings with the Environment Committee and committee charters

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Minutes of Meeting
March 9th, 2022 – Videoconference

Were present

Denis Isabel	Member	Nemaska Lithium (NLI)	VP – Sustainable Development
Vincent Perron	Member	Nemaska Lithium (NLI)	Senior Director - Environment and Stakeholder Relations
Kelly Leblanc	Member	Cree Nation Government (CNG)	Environmental and Social Assessment Coordinator
Anderson Jolly	Substitute (Walter Jolly)	Cree Nation of Nemaska (CNN)	Councilor
Anna Krupa	Observer	Cree Nation Government (CNG)	Environmental Analyst
Isaac Iserhoff	Observer	Cree Nation Government (CNG)	Territorial Programs and Natural Resources Advisor
Matthew Tanoush	Observer	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development
Tanya Lamoureux	Observer	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel
Julie Couillard	Guest speaker	Genome Canada – INRS	Researcher – Guest speaker
Marie-Pier Brochu	Guest speaker	Genome Canada - INRS	Researcher – Guest speaker
Patrick Corriveau	Observer	Nemaska Lithium (NLI)	Environment Coordinator
Stéphanie Beauregard	Coordination	Transfert Environnement et Société (TES)	Project Director
Laurianne Francoeur	Coordination	Transfert Environnement et Société (TES)	Analyst

Meeting Agenda

Item #	Description
1	Opening and presentations
2	Adoption of the proposed agenda for the meeting
3	Adoption of the minutes of the previous meeting
4	Presentation of the project eDNA | Non-Destructive Precision Genomics for Environmental Impact Tracking in a Global Climate Change Era
5	Sharing environmental updates and feedback from the field
6	Follow-ups from previous meetings
7	Updates on Environmental and Social Monitoring Program
8	Updates on permitting
9	Annual Environment conference in Nemaska
10	Varia
11	Summary of actions for the next meeting

Item #1. Opening and presentation

All participants introduce themselves and explain their role in the community and the Committee. The Quorum is declared. Stephanie, facilitator for the meeting, opens the Environment Committee (EC).

Item #2. Adoption of the proposed agenda for the meeting

Stephanie presents the agenda and explains the objectives of every point varia is proposed.

Item #3. Adoption of the minutes of the previous meeting

Kelly proposed that the name of the participants be added in the minutes instead of only the initials. This would facilitate the reading. Denis suggests using the first name. Everyone accepts the suggestion.

The minutes of the previous meeting (November 18th, 2021) are adopted. Another presentation tour is made as new participants have joined the committee since the last meeting.

Item #4. Presentation of the Project eDNA

Marie-Pier starts by introducing herself. She is a Ph.D. student in water studies. She begins her presentation by making the territorial acknowledgement and thanks the communities that welcome the non-indigenous members and observers present at this meeting.

Marie-Pier explains that the scope of the research is to complete animal surveys with environmental DNA (eDNA). Natural organisms shed genetic material into their environment. The study will analyze different spots in the studied area, combining eDNA data with indigenous knowledge. The process will provide ecological data that will be useful for the monitoring done by Nemaska Lithium.

EDNA methods are time and cost-effective. Moreover, the procedure is accurate, non-invasive and has high detection rates. The process is to collect a sample of water and to filter it. The filter retains the DNA molecules, and PCR amplification is done to indicate the presence or absence of specific species.

Marie-Pier adds that the first list of species identified by the research team is the following:

- Lake surgeon
- Woodland Caribou
- Rusty Blackbird
- Wolverine
- Little brown bat
- Bank swallow
- Least weasel
- Southern bog lemming
- Book trout
- American water shrew

The sites of interest are the Wichishkw-Uubauquushduuk, near the Éléonore mining site, and Chisesaakahikan-et-de-la-Rivière- Broadback, near the Whabouchi mining site. The research team is

open to suggestions to adapt the list of species and the sites of interest. For now, only the absence and presence would be under study. The abondance will not be studied.

Anderson asks if the locations of the testing are finals. Marie-Pier answers that the process is still at an early stage. Communications with the Tallyman and other people of interest in the community should take place in the following days.

Kelly mentions to Matthew that he should be contacted to organize a meeting with land users. If possible, the sampling will be done this summer.

Matthew express concerns about Lake number 2, displayed on the map presented. At this time, the land users have no guarantee that the lake will be protected in the future as the traffic increases because of the opening of the mine. Vincent assures that the concern is heard. Water monitoring is made to ensure that the trout and their habitats are safe. Nemaska Lithium has multi-year data. The initial condition is known well and will be controlled.

If the community is interested in the project, Nemaska Lithium is ready to participate and accommodate the researchers' team.

Stéphanie thanks Kelly for suggesting this item to the agenda. She also thanks Marie-Pier and Julie for their presentation. Stéphanie suggests that Kelly makes a follow-up at the next meeting. It is agreed.

Items #5. Environmental updates and feedback from the field

Stéphanie invites all members to share updates and feedback from the field. It could be a situation, an observation, or a concern. Anything related to the environment is appropriate and important to share. This point will be recurrent at every meeting as a chance to discuss anything brought up by any members of the committee.

Vincent takes this opportunity to follow up on an issue raised at the last meeting. It was brought by Mr. James Wapachee that a temporary metal bridge previously used by surveyors is stuck in Spodumene Lake discharge, close to Mountain Lake. Vincent shows an aerial photo where the bridge was probably located. It will be confirmed in the Spring when a site visit will be possible. Once the location is confirmed, an action plan will be prepared to remove the bridge.

Patrick presents a sewage water spill incident of about 100 liters. The grey waters, the ice and the gravel were removed. It happened 3 weeks ago because of an equipment failure and the use of an inappropriate equipment. Patrick mentions that Urgence environment was informed, and an agent of the Ministry can come and monitor the situation. At the same time, the damage is listed and reported.

It is questioned what the best way is to inform the Committee of any incidents. Anderson mentions that he would like to receive an email when there is an incident or emergency. He also recommends that the Cultural and Environment departments be informed as well. Kelly agrees with the suggestion.

Patrick mentions that it will not be possible to send an email every time a spill happens, especially during the construction phase, because any spill of even 1 liter must be reported and the committee will receive a ton of emails. Stéphanie proposed that a table with all the incidents information should be presented

during the Committee meeting. Kelly agrees with the suggestion but adds that the moderate to high impacts level incidents should be communicated as soon as they happen.

It is agreed that the EC will be informed of every spill for now, since they are not frequent. Denis will develop a table to present the course of action based on the level of the incident and the potential impact. It will be presented at the next meeting.

No other points were brought.

Item #6. Follow-ups from the previous meeting

Stéphanie presents the follow-ups from previous meetings.

Suggestions and actions	Updates and status
Determine quorum conditions (WIC)	☑ Quorum has been determined to be a representative from the community and a representative from Nemaska Lithium. This will be integrated into a charter for the committee (to be presented at the next meeting)
Clarify and define the limits of the confidentiality clause for the EC (WIC)	☑ Reported to the next meeting Denis adds that the scope of the EC is to disclose information to the community. Therefore, the clause for the EC should be different and this point will be discussed at the next WIC meeting. It will be a point in the next meeting.
Locate the metal bridge and prepare an action plan to remove it (VP and DI)	☑ During this meeting
Contact CNN Communications Officer (VP)	☑ Denis spoke with the CNN Communication Officer to discuss communication strategies. It was agreed that there will be 2 interviews at the local radio
Proceed with the invitation of the young observers (TL and VP)	☑ Reported to the next meeting but it is recalled that everyone can be an observer, it is therefore mentioned that everyone can invite interested people.

Item #7. Updates on Environmental and Social Monitoring Program

Vincent shares that the results of the Environment and Social Monitoring Program are not ready because of a cyberattack against the laboratory analyzing the results in December. The results should be ready by May for the next meeting. Afterward, it will be possible to start the 2022 monitoring. The delays were accepted by the COMEX since the events were out of the company's control. It must be noted that Quebec's government asks that every delay be accepted since every organization is affected.

No one objects.

Kelly asks if the results will be presented to the EC before they are presented to the regulators. She is wondering about the exact role of the Committee in this matter. Denis answers that the report will be presented to the Committee first.

It is suggested that the 2022 plan be based on feedbacks from Nemaska's consultants.

Matthew asks what the plans are to fill the position of the Community Relation Officer since Wayne Rabbitskin left in January and he used to do the translation during this meeting. Denis mentions that the company must wait three months after a resignation, before opening the position. The position will therefore be open in April. A selection committee including WIC members will be implemented. The applicant will need to live in the community.

Vincent continues his presentation by introducing the bats' observation data. An old camp is used as a bat maternity on the left side of the spodumene lake. A visual count and an acoustic monitoring were made from May 11th to September 30th, 2021, to record the bats' community in the area. A final report will be made, but the highlights of this survey are the following:

- 2 endangered species under federal law were spotted, the Northern Long-Eared Bat and the Little Brown Bat. They were the most identify species during mating season.
- Other bats have been spotted during the migration period, such as the Big Brown Bat, the Silver-Haired Bat, and the Hoary Bat.
- The 2021 results are similar to the 2019 survey
- No observation was made on June 22nd, July 28th, and July 29th. The next survey will give more information about this situation to know if it is a recurrent situation or not.

Kelly asks if the results will be different when the mine will be operating with the noise and movements in the area. Vincent explains that it is the reason why the survey is done now: to have background data to facilitate future observations and analysis.

No other questions are asked.

Item #8. Updates on permitting

The Mining Site Rehabilitation plan (MERN) and the authorization for the operation of the Sewage treatment system (MARABEX) were issued. There are no other permits in process right now. The next step will be the IAAC request.

The Mining Site Rehabilitation plan needs to be reviewed every 5 years. In 2021, Nemaska Lithium sent its plan and received a series of questions. The costs of the rehabilitation plan were recalculated, and the plan was approved. Thus, the plan is valid for the next 5 years.

The authorization for the MABAREX system was also just received. The demand was made before the implementation of the EC. It needed to be adjusted because a lower water level usage. The system will not be activated now because of the low temperatures, but Patrick confirms that it will be operating in the Spring.

If a permit is needed between two EC meetings, the members will receive an information email before the filling. Comments, questions, and feedback may be done at the same time.

No one objects.

Kelly asks about the recalculation of the closure plan to know the reason for higher cost estimation. Denis explains that it was not correctly estimated in the past. Now that we have more details about the project, the costs are better reflecting the reality.

Tanya asks if a presentation of the new plan will be made. Denis agrees to present the plan at the next meeting and adds that an independent consultant can be brought to evaluate the closure plan and budget if the community wants to.

Then, Vincent presents the IAAC process. A lot of modifications were made since the ESIA were filed in 2014. The main changes were the following:

- The exploitation of 3 barrow pits
- Final effluent relocation (from Mountain Lake to Nemiscau River)
- Worker camp relocation
- Optimization of the mining activities
- Modification of the sewage water treatment

For every change, a consultant will complete an impact assessment of these changes on valued components under federal jurisdiction with the same methodology that was used in the ESIA. The results will confirm if the Environmental Assessment Decision Statement from the IAAC is still adequate. The IAAC said that the assessment process proposed by Nemaska Lithium is beyond what they expected. When the results will be ready, they will be presented to the EC.

Kelly asks if the valued components identified by the IAAC are from the Act of 2012 (LCEE 2012) or the Act of 2019. Vincent answers that the valued components are from the LCEE 2012. He adds that the EC will be involved in the revision of the report.

No other comments are made.

Item #9. Annual Environment Conference in Nemaska

The organization of an Annual Environment Conference in Nemaska was suggested in the last EC meeting for Nemaska Lithium to make a presentation to the community. The presentation could include information about the company, the process, the projects, and the Whabouchi Agreement.

Denis suggests that presentations use plain language to facilitate the understanding by the whole community and to organize the event in the afternoon and evening to accommodate more community members. The proposal is well received by the members. All the participants agree that it is important to be careful in the planning due to the COVID situation that can change quickly. Moreover, the member of the community needs to be comfortable with the fact that events will cause gathering and the coming of people living outside of Nemaska. Denis suggests planning the event next Fall, outside the Goose Break, to give the time to organize it well.

Kelly suggests the creation of a sub-committee to develop the concept of the event. The sub-committee would present a suggestion of format, topics, etc. at the next meeting. Kelly mentions that CNG could present about different topics, including experts on climate change and other topics. Every member agrees with the suggestion.

Tanya asks if the budget for this event will be a joint effort. Denis ensures that the cost will be taken care of by Nemaska Lithium.

Stéphanie specifies that TES has experience in creating open houses presentations with poster presentations. She mentions that the poster presentation facilitates the discussions between the community members and the experts. Tanya adds that this format is used at local General Assembly. This suggestion will be considered by the sub-committee.

A note will be sent to receive name suggestions for the creation of the sub-committee and a member will present at the next meeting.

Item #10. Varia

No varia added.

Item #11 Summary of actions for the next meeting

Visit of the mine in the Spring, if possible	Nemaska Lithium
Presentation of the communication plan developed by the WIC to help the EC members to identify topics to be shared with the community	To be confirmed
Get an update on the disclosure of the information statement	Denis
Present a proposal of a course of action based on the level of impact of a spill or other environmental events	Denis
Present the new closure plan	Denis
Create a sub-committee to work on organizing an EC symposium/conference programming	TES

Annex 1 – iTrackDNA Genome Québec

iTrackDNA

Non-Destructive Precision Genomics for Environmental Impact Tracking in a Global Climate Change Era

GenomeQuébec

GenomeCanada

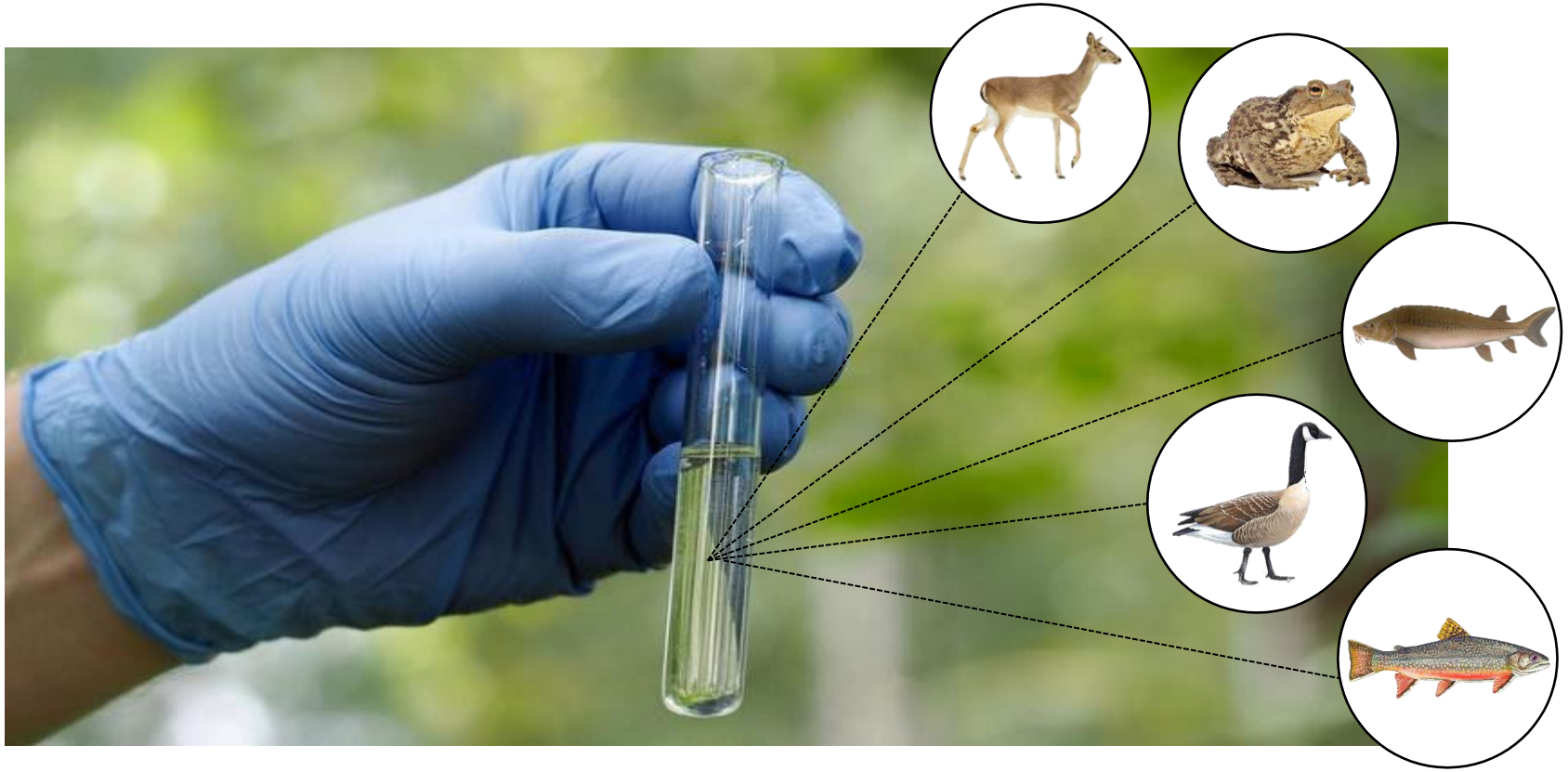
Genome BritishColumbia

Territorial Acknowledgement

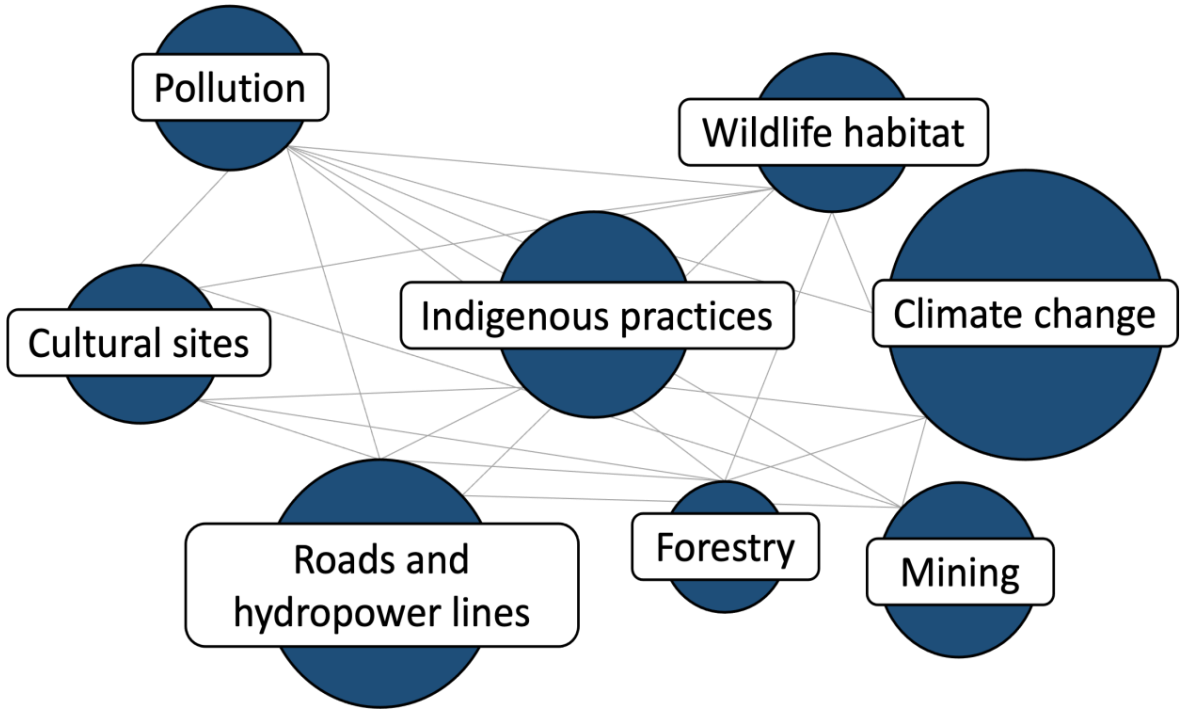
Image: courtesy of the Cree Nation Government

Revolutionizing animal surveys with environmental DNA (eDNA)

eDNA: genetic material shed from organisms into their environment



eDNA & Indigenous Knowledge



Challenges for detecting cryptic and at-risk species

Sharp-tailed snake

Matthias et al. 2021

Conventional sampling methods can be costly, time-consuming, invasive and have low detection rates

Slackwater darter

Janosik and Johnston 2015

Revolutionizing animal surveys with environmental DNA (eDNA)

Sharp-tailed snake

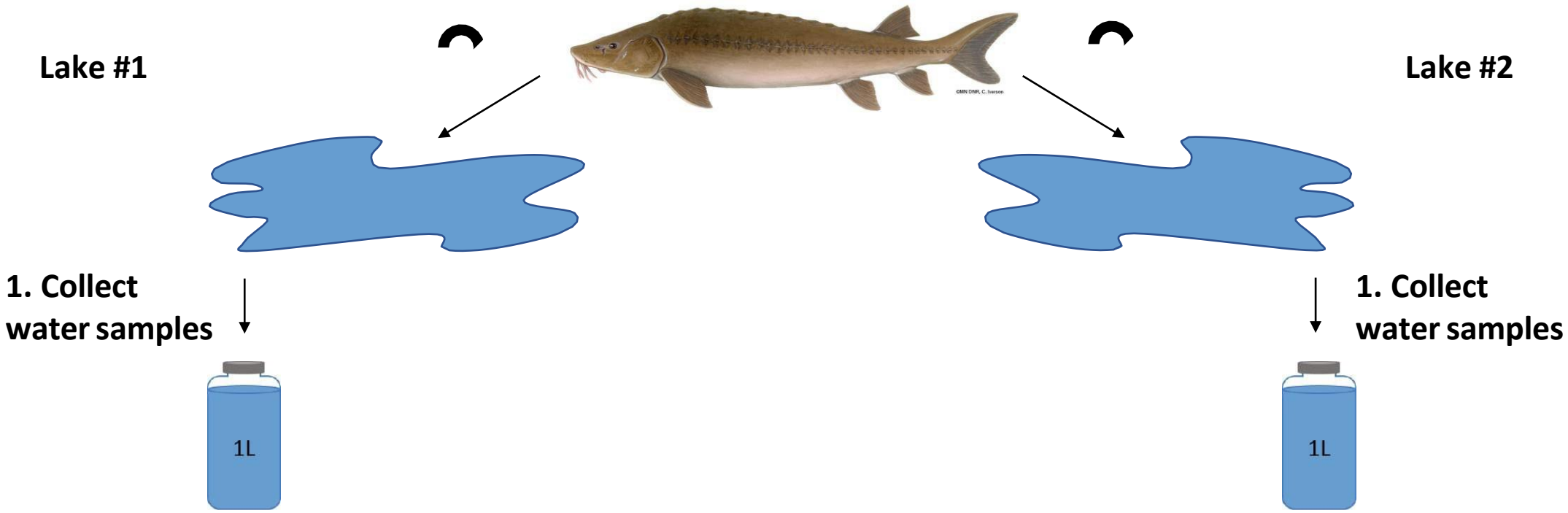
Matthias et al. 2021

eDNA methods are time and cost-effective, accurate, non-invasive and have high detection rates

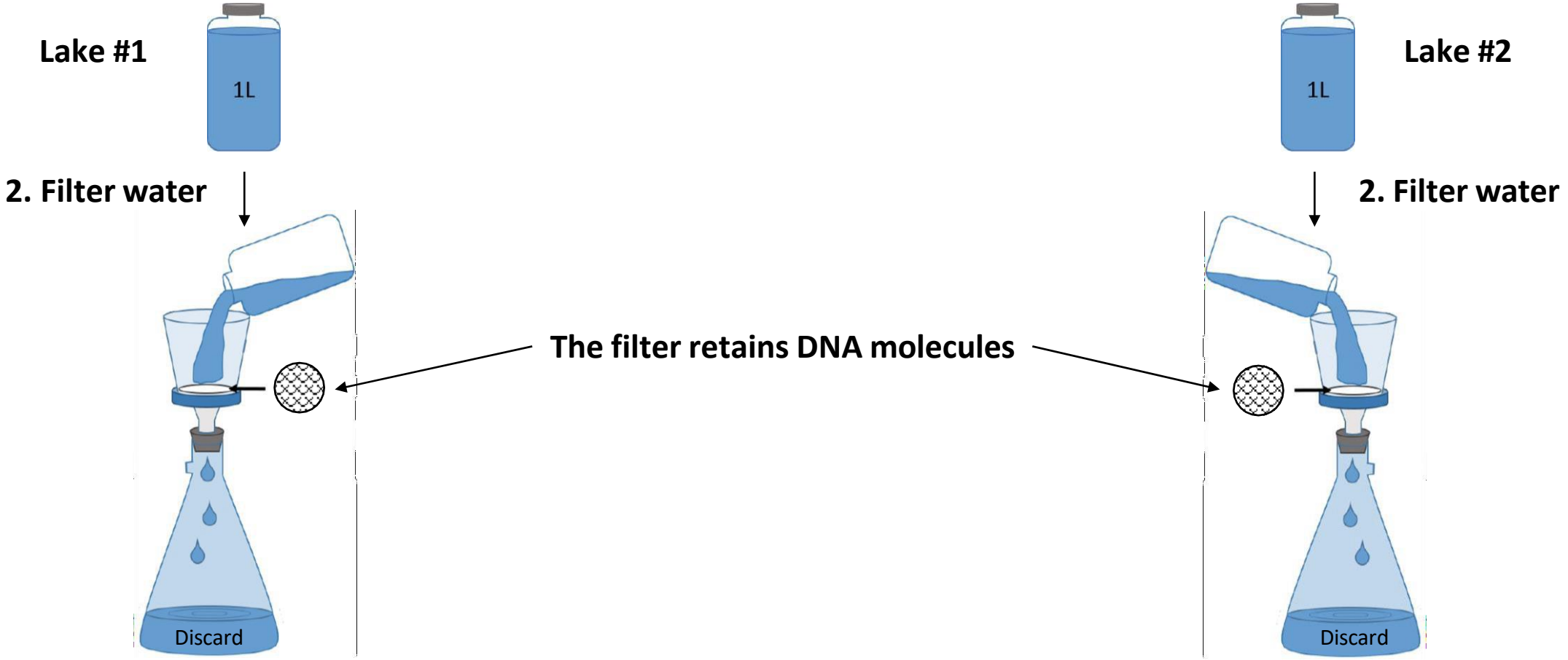
Slackwater darter

Janosik and Johnston 2015

How does it work?



How does it work?



How does it work?

iTrackDNA

Design and validation of 100 eDNA kits

↓

40 species are chosen by First Nations

ABITIBIWINNI

BLUEBERRY RIVER FIRST NATIONS

The 10 species of interest for the CNG

Special Status in Canada

Special Status in Quebec

Lake sturgeon

Woodland (Boreal) Caribou

Rusty blackbird

Wolverine

Little brown bat

Bank swallow

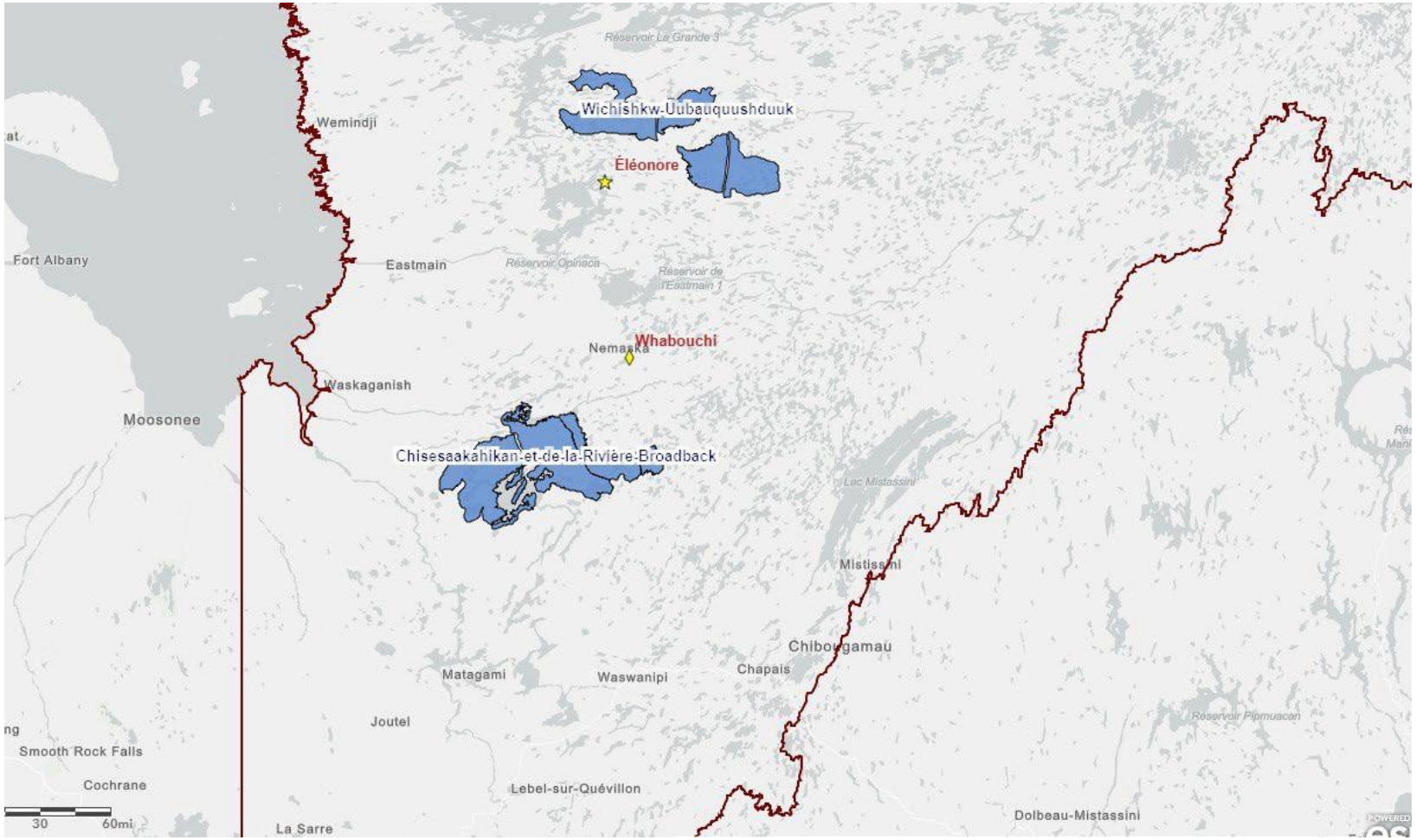
Least weasel

Southern bog lemming

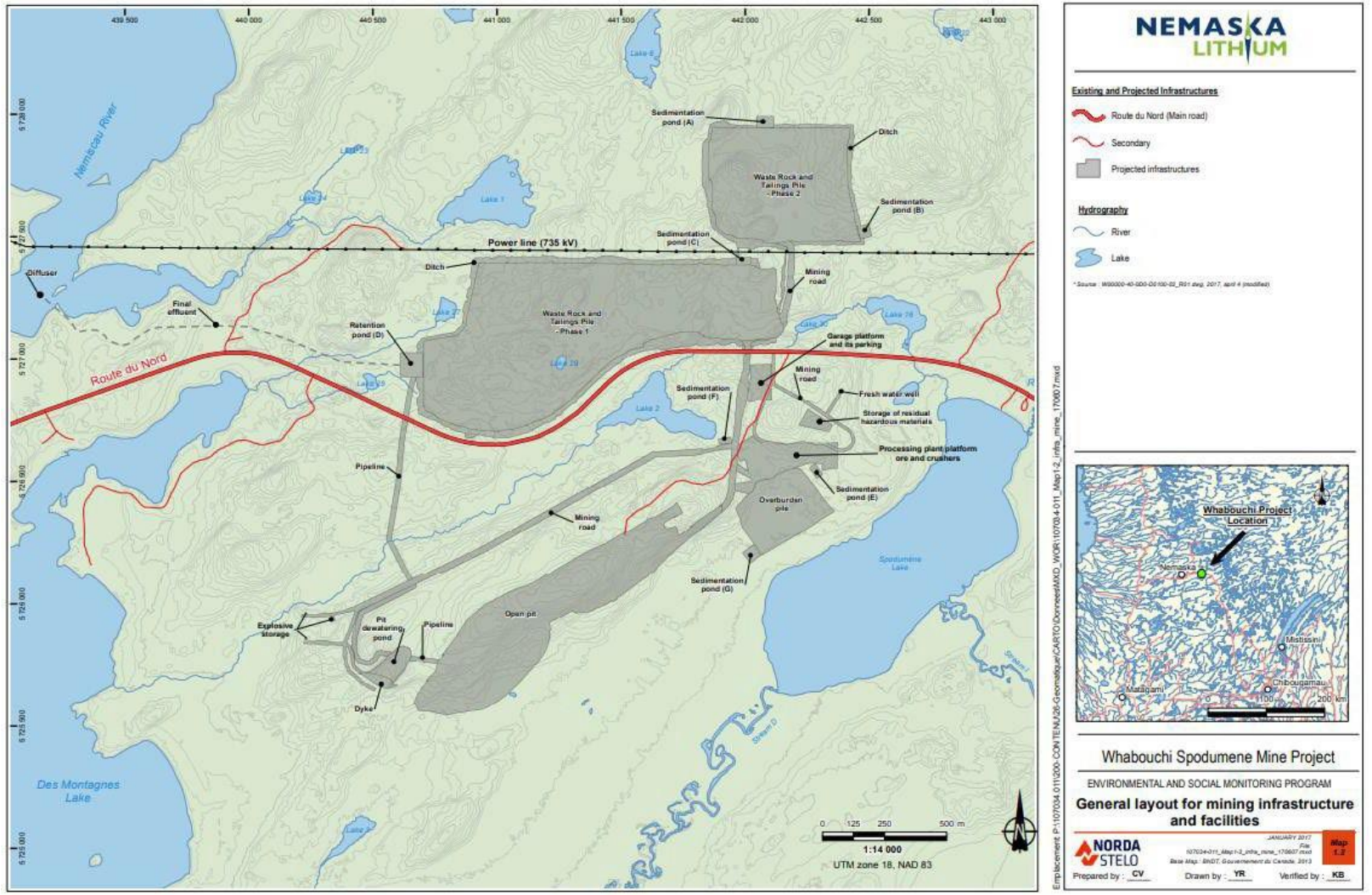
Brook trout

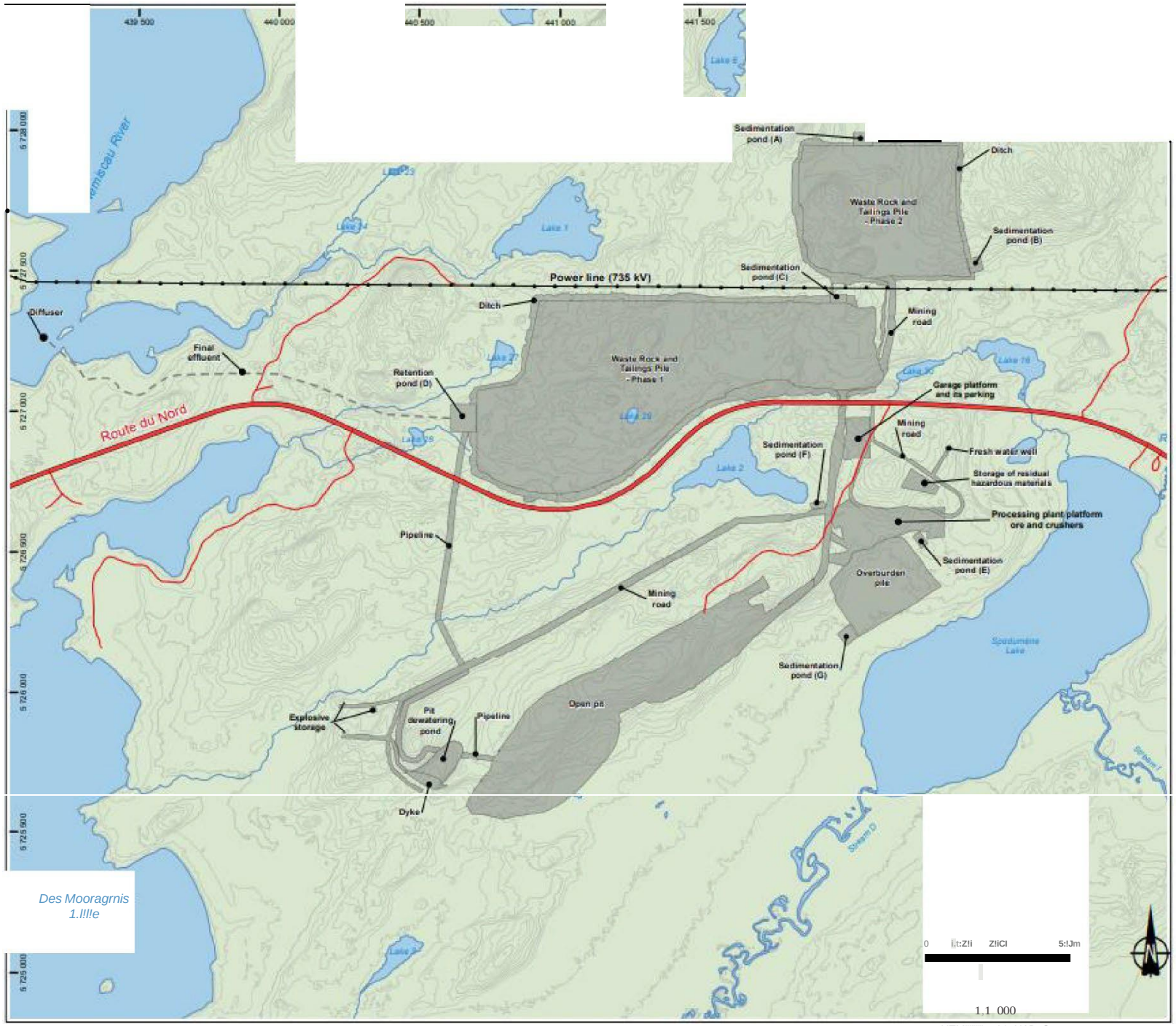
American water shrew

Sites of interest for the CNG



Whabouchi Mine





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NEMASKA IH UM

Existing and Projected Infrastructures

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Secondary

Projected infrastructures

Hydrography

River

Lake

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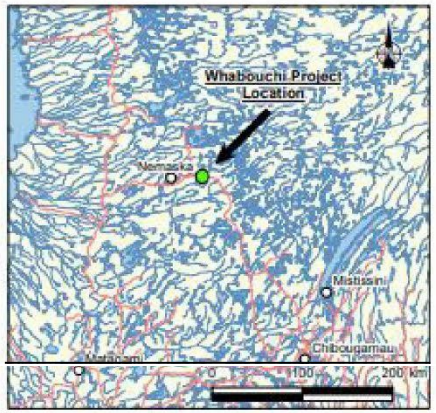

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iTrackDNA

Project leaders | Co-investigators | Collaborators

iTrackDNA

For more information on the iTrackDNA project, you can visit our website: www.itrackdna.ca

QUESTIONS?

Annex 2 – Nemaska's presentation

Environment Committee Meeting

New Nemaska Lithium project

Virtual Meeting

March 9th 2022

THE PALLINGHURST GROUP

Responsibly Extracted Resources Since 2006

New Nemaska

1. Opening and Presentations

EC members & alternates

Cree members

Walter Jolly, Council Member of the Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member of the Cree Nation of Nemaska
Kelly Leblanc, Environmental and Social Assessment Coord., Cree Nation Government

Nemaska Lithium members

Denis Isabel, Vice President - Sustainable Development
Vincent Perron, Senior Director - Environment and Stakeholder Relations

New Nemaska

2. Adoption of the proposed agenda

Meeting Agenda

1. Opening and presentations
2. Adoption of the proposed agenda for the meeting
3. Adoption of the minutes of the previous meeting
4. Presentation of the Project eDNA
5. Sharing environmental updates and feedback from the field
6. Follow-ups from previous meeting
7. Updates on Environmental and Social Monitoring Program
8. Updates on permitting
9. Annual environment conference in Nemaska
10. Varia
11. Summary of actions for the next meeting

3. Adoption of the minutes of the previous meeting

- November 18th 2021

New Nemaska

4. Presentation of the project eDNA

Gest speaker – a researcher on the project team

ITRACKDNA: NON-DESTRUCTIVE PRECISION GENOMICS FOR ENVIRONMENTAL IMPACT TRACKING IN A GLOBAL CLIMATE CHANGE ERA | GENOME CANADA

- Context of the project
- iTrack DNA technology
- Discussions

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

5. Environmental updates and feedback from the field

Follow-up – Metal bridge in Spodumene Lake's discharge

- Issue raised by Mr. James Wapachee during the last EC meeting:
  - Temporary metal bridge used by surveyors stuck in Spodumene Lake discharge, close to Mountain Lake (see red circle below)
  - Next steps: field validation & action plan (Spring)

Spill – Sewage Water (Mabarex System)

- **Date:** Feb. 14, 2022 at 1 PM
- **Spill volume:** 100 L
- **Surface impacted:** 6 m^2
- **Causes:**
  - Inapropriate equipment to perform task
  - Equipment failure
- **Environmental cleaning measures:**
  - Contaminated ice recovery
  - Contaminated ice returned to tank
- **Reporting:**
  - MELCC (Feb. 14, 2022 at 2:30 PM)
  - Whabouchi bi-monthly coordination call (Feb. 17, 2022)
- **Corrective measure:**
  - Always use a vacuum truck to empty sewage tank

Spill of sewage water on the ground

6. Follow-ups from previous meetings

ACTIONS AND FOLLOW UPS FROM PREVIOUS MEETINGS

Suggestions and actions	Updates and status
Determine quorum conditions (WIC)	☑ Quorum has been determined to be a representative from the community and a representative from Nemaska Lithium. This will be integrated in a charter for the committee (to be presented at the next meeting)
Clarify and define the limits of the confidentiality clause for the EC (WIC)	☑ Reported to the next meeting
Locate the metal bridge and prepare an action plan to remove it (VP and DI)	☑ During this meeting
Contact CNN Communications Officer (VP)	☑ DI contacted CNN Communications Officer to discuss communication strategy
Proceed with the invitation of young observer (TL and VP)	☑ Reported to the next meeting

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

New Nemaska

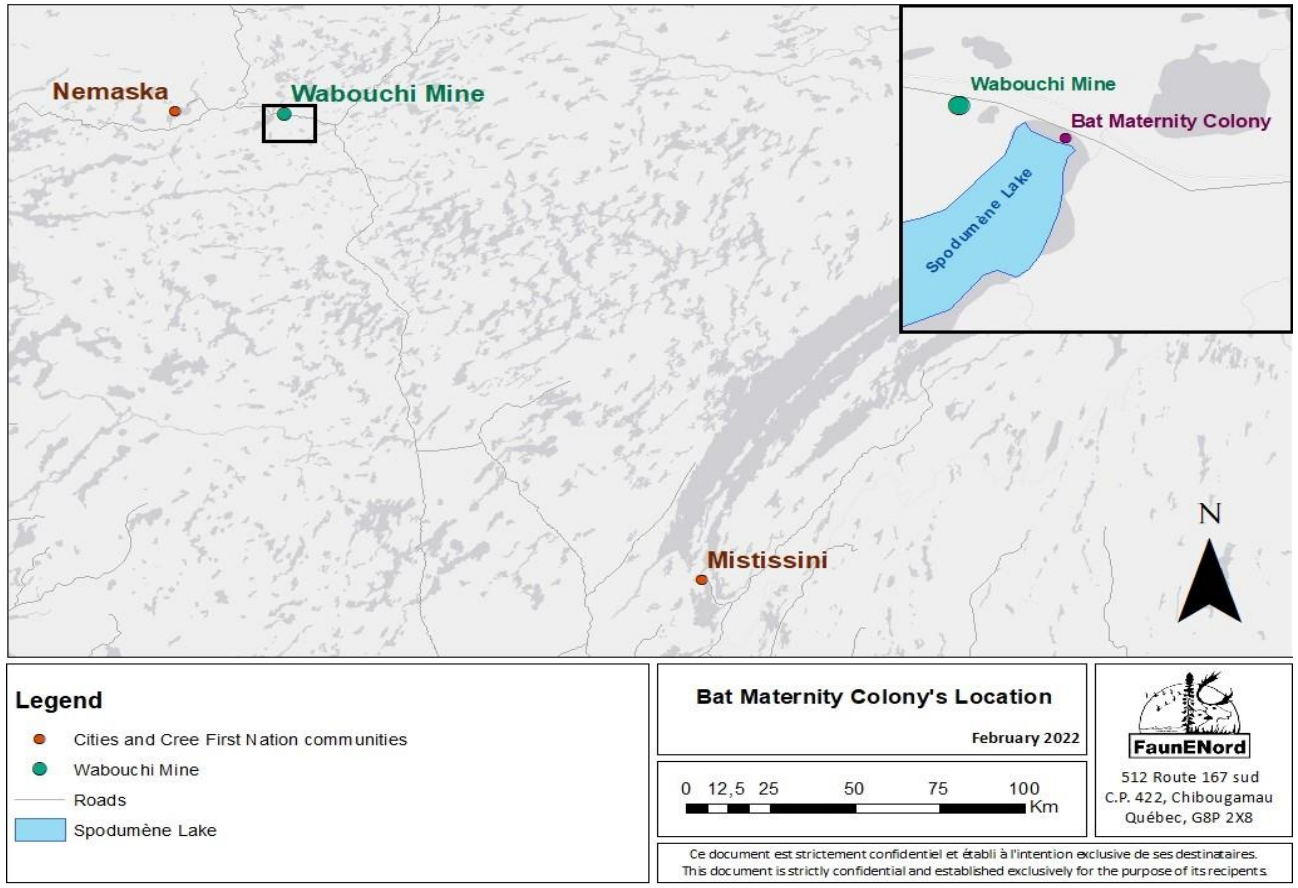
7. Updates on Environmental and Social Monitoring Program

UPDATES ON ENVIRONMENTAL AND SOCIAL MONITORING PROGRAM

- Production of 2021 environmental and social monitoring report is delayed due to Veritas Laboratory shut down (cyber attack in December)
- Only 2021 bat survey report available
- Presentation of 2021 monitoring results and 2022 monitoring program postponed to the next EC meeting

2021 Bat Survey - Highlights

Monitoring Activity (2021)	Brief Description	Period
NMX - B8 - Bats (FaunENord & MFFP)	• Maternity located to the North of Spodumene Lake (old camp) • Visual count and acoustic monitoring	May 11 to Sept. 30, 2022



Visual count

Ultrasound detector

2021 Bat Survey - Highlights

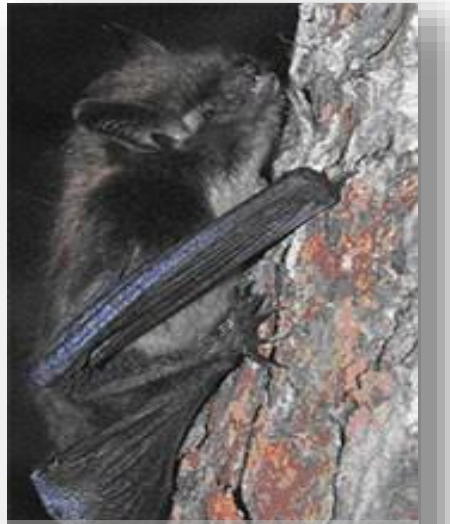
- The two endangered species under federal law - **Northern long-eared bat** and **Little brown bat** – **were the most detected** in the study area, especially during the reproduction season (May-July)

- Other bat species were detected during the migration season (August-September):
  - Big Brown Bat
  - Hoary bat (specie at risk – Quebec)
  - Silver-haired bat (specie at risk – Quebec)

- 2021 results similar to those of 2019

- No observation during visual surveys (June 22, July 28 and 29)

Northern long-eared bat


Little brown bat

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

New Nemaska

8. Updates on permitting

SUMMARY OF PERMIT APPLICATIONS

RECENT PERMITS ISSUED

- MINING SITE REHABILITATION PLAN (MERN)
- AUTORIZATION FOR THE OPERATION OF SEWAGE TREATMENT SYSTEM - MABAREX (MELCC)

PERMITS IN PROCESS

- NO NEW PERMIT APPLICATIONS SINCE THE LAST MEETING

NEXT STEPS

- IAAC REQUEST

IAAC Request

Environmental Assessment Decision Statement (IAAC, 2015)

- Several conditions to mitigate environmental and social impacts of the project (based on NLI's 2013 impact assessment)

Several modifications were made to the project since 2015. These modifications were presented to EC and IAAC.

- Exploitation of 3 borrow pits
- Final effluent relocation (from Mountain Lake to Nemiscau River)
- Worker camp relocation
- Optimization of mining activities
- Modification of sewage water treatment

IACC asked NLI to **determine the effects of these changes on the valued components under the federal competency to validate that the 2015 Environmental Assessment Decision Statement is still adequate**.

For every modification made to the project since 2015, our consultant GCM will prepare an **impact assessment** using the same methodolgy to that of 2013 NLI's impact statement:

Impact of modifications on valued components

↓

Identification of additional mitigation / monitoring measures (if necessary)

↓

Evaluation of residual effects (extent, intensity, duration, reversibility/irreversibility)

↓

Modification of 2015 Environmental Assessment Decision Statement (if necessary)

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

New Nemaska

9. Annual environment conference in Nemaska

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

10. Varia

11. Summary of actions for the next meeting

SUMMARY OF ACTIONS AND SUGGESTIONS FOR THE NEXT MEETING

- Proposal to visit the mine in the Spring, if possible (VP)
- Present the communication plan from the WIC to help EC members identify topics to be shared with the community (WIC)
- Get an update on the disclosure of information statement (WIC)
- Present a proposal of a course of action based on the level of impact of a spill or other environmental events
- Present the new closure plan
- Create a sub-committee to work on organizing an EC symposium / conference: program

Economic Development Committee
Whabouchi Project – Nemaska Lithium

Charter Document – Approved Version
April 26th, 2022

Role

The Economic Development Committee (EDC) is intended as a direct and privileged exchange mechanism between the Cree Nation of Nemaska, the Cree Nation Government, and Nemaska Lithium with regards to the Whabouchi Project's business and economic development opportunities for the Cree, as highlighted in the Chinuchi Agreement (Chapter 6). Its aim is to provide opportunities for Cree Enterprises, particularly Nemaska Cree Enterprises and to encourage and facilitate the development of Cree Enterprises, at all phases of the project.

Mandate

The Committee's mandate is to provide recommendations to the WIC as to help:

- Provide business opportunities related to all phases of the Whabouchi Project for Cree Enterprises, particularly Nemaska Cree Enterprises, with an emphasis on sustainable contracts;
- Provide meaningful opportunities for qualified Cree Enterprises to participate in Nemaska Lithium's contract awarding processes, including its competitive tendering process, per Chapter 6 of the Chinuchi Agreement;
- Facilitate the creation, diversification, and development of qualified and competitive Cree Enterprises with respect to all phases of the Whabouchi Project.

Scope

Per the Chinuchi Agreement (Chapter 6), the Committee's scope covers the following topics related to the Whabouchi Project: Cree Enterprises, criteria for awarding contracts, Cree Enterprises list, planning for contracts to be awarded, competitive tendering process, priority negotiations with a qualified Nemaska Cree Enterprise or Cree Enterprise, direct negotiations, urgent contracts, reporting, and the Nemaska/Whabouchi Business Development Fund. Per the Agreement, the decision to outsource the supply of any goods or services and the carrying out of any work for the Whabouchi Project remains the prerogative and sole responsibility of Nemaska Lithium, always within the spirit of the Chinuchi Agreement. Additionally, the expression "Whabouchi Project" shall here include all business opportunities within the Eeyou Istchee James Bay Region, as stated in the Chinuchi Agreement (Chapter 6).

Composition

The Committee is comprised of six (6) members, with two (2) representatives from the Cree Nation of Nemaska, two (2) representatives from the Cree Nation Government, and two (2) representatives from Nemaska Lithium, with a quorum of four (4). The quorum is established at two (2) members from Nemaska Lithium, one (1) member from the Cree Nation of Nemaska and one (1) from the Cree Nation Government. The Cree Parties may use proxies to meet quorum, when needed. The committee is fully coordinated by Nemaska Lithium, with professional and independent facilitation, notetaking, and meeting support to be provided from external sources, when required.

Composition	Member
Nemaska Lithium	
Member #1	Pier-Luc Dubuc
Member #2	Vincent Perron
Cree Nation of Nemaska	
Member #1	TBD
Member #2	TBD

Cree Nation Government	
Member #1	TBD
Member #2	TBD

External observers working for the Cree Nation of Nemaska or the Cree Nation Government are welcome to participate in the meetings. Observers are allowed to participate in the EDC's discussions but are not allowed to vote on the Committee's decisions. External experts may also be brought in on an ad hoc basis, as needed, and per the EDC's approval.

Potential Topics to be covered by the EDC

The following topics are part of a non-exhaustive list of issues that the Committee could address during its meetings:

- Project Overview and Updates
- General and detailed knowledge of Nemaska Lithium's procurement and business development plans, requirements, and related activities
- Issues related to procurement and business opportunities, and impact management related to the different issues
- Links between the Training and Employment Committee (TEC) and the EDC to ensure cooperation and coordination on both topics
- List of Cree Enterprises to be provided to Nemaska Lithium
- List of Nemaska Lithium's annual supply needs and contracts
- Tendering processes (competitive, priority negotiations with Cree Enterprises, direct negotiations)
- Criteria for evaluating bids, including from Cree suppliers
- Identification and development of business opportunities for the Cree community of Nemaska
- Urgent contracts process
- Business Development Fund

EDC Operating Rules

The Committee's operating rules align with the relevant articles under Chapter 6 and Chapter 10 of the Chinuchi Agreement, while remaining sufficiently flexible to accommodate the EDC's potentially evolving requirements. Their purpose is to encourage dialogue among members, while respecting the Committee's mandate, responsibilities, and the spirit of the Chinuchi Agreement:

- The EDC acts under the supervision of the WIC, in the sense that it is a recommending body to help guide the WIC in its decision-making;
- Committee decisions are made by consensus, which is achieved by either unanimity or majority decision, per the minimum quorum of four (4);
- Parties are held to the decisions made by consensus within the EDC, while majority decisions are not binding to opposing parties;
- Committee members can be replaced at the discretion of the party that appointed them or upon the WIC's recommendation;
- During meetings, Committee members, coordinators, observers and invited experts strive to promote honest, respectful and courteous dialogue in good faith;
- Committee members attest that their membership does not place them in a conflict of interest and that they agree with the Code of Ethics available in the Chinuchi Agreement;

- In the event of the appearance of an immediate conflict of interest, the relevant members should disclose it and withdraw from any decision on that topic. The disclosure should be duly noted in the meeting minutes;
- Information is shared with all EDC members in advance of the meetings;
- Nemaska Lithium will diligently provide information on issues raised by Committee members;
- The topics of discussion (agenda) are agreed upon in advance by the Committee. The agenda should clearly state what decisions the EDC is required to take;
- Members review the information before meetings, instead of reviewing information during meetings;
- Technical, summarized, and short documents are used as a basis for the EDC's discussions. Original and complete documents or reports are shared with the Committee members to ensure transparency;
- Nemaska Lithium is responsible for the logistics and expenses of the Committee's meetings;
- The Committee may designate a chairperson on an ad hoc basis; however, members retain the right to speak at all times, either on their own behalf or on behalf of their respective organization;
- The Committee will meet quarterly plus special meetings, and per the availability of the information requested;
- Detailed minutes are taken after each meeting and sent to the committee members for review and approval;
- Meetings are held in Nemaska or online, unless otherwise agreed;
- At the end of the meeting, members are assigned clear tasks to complete with clear deliverable dates. These tasks are also identified in the meeting minutes;
- The Committee can improve and adapt its operating procedures as needed if the changes are adopted by consensus;
- Meeting adjournments are allowed until one (1) hour before a meeting. The adjourned meeting shall be rescheduled to the next available opportunity.

Training and Employment Committee
Whabouchi Project – Nemaska Lithium

Charter Document – Approved Version
April 26th, 2022

Role

The Training and Employment Committee (TEC) is intended as a direct and privileged exchange mechanism between the Cree Nation of Nemaska, the Cree Nation Government, and Nemaska Lithium with regards to the Whabouchi Project's training and employment opportunities for the Cree, as highlighted in the Chinuchi Agreement (Chapter 4). It aims to help develop a qualified and productive workforce and to promote the employment, integration, advancement, and retention of Crees at the Whabouchi Project.

Mandate

The Committee's mandate is to provide recommendations to the WIC as to help:

- Maximise the Cree proportion of Nemaska Lithium Inc.'s workforce;
- Encourage the hiring of members from the Nemaska R20 Family, Nemaska Crees and other Crees, in that order of preference;
- Ensure the cooperation of the different Parties in their respective training programs;
- Implement integration, advancement, and retention measures for the Cree proportion of the Mine's workforce;
- Develop recommendations for the management of the joint Training and Employment Fund.

Scope

Per the Chinuchi Agreement (Chapter 4), the Committee's scope covers the following topics related to the Whabouchi Project: cooperation in training programs, training programs of the Cree Parties, training programs and measures of Nemaska Lithium, joint training programs and measures, recruitment, cree employment objectives, integration, advancement, and retention, Nemaska/Whabouchi Training Fund,

Composition

The Committee is comprised of six (6) members, with two (2) representatives from the Cree Nation of Nemaska, two (2) representatives from the Cree Nation Government, and two (2) representatives from Nemaska Lithium, with a quorum of four (4). The quorum is established at two (2) members from Nemaska Lithium, one (1) member from the Cree Nation of Nemaska and one (1) from the Cree Nation Government. The Cree Parties may use proxies to meet quorum, when needed. The committee is fully coordinated by Nemaska Lithium, with professional and independent facilitation, notetaking, and meeting support to be provided from external sources, when required.

Composition	Member
Nemaska Lithium	
Member #1	Yuanne Desfossés
Member #2	Megan Todd
Cree Nation of Nemaska	
Member #1	Ruth Jolly
Member #2	Teddy Wapachee
Cree Nation Government	
Member #1	TBD
Member #2	TBD

External observers working for the Cree Nation of Nemaska or the Cree Nation Government are welcome to participate in the meetings. Observers are allowed to participate in the TEC's discussions but are not allowed to vote on the Committee's decisions. External experts may also be brought in on an ad hoc basis, as needed, and per the TEC's approval.

Potential Topics to be covered by the TEC

The following topics are part of a non-exhaustive list of issues that the Committee could address during its meetings:

- Project Overview and Updates
- General and detailed knowledge of Nemaska Lithium's workforce planning, requirements, and related activities
- Issues related to:
    - Education programs and vocational or technical training
    - Employment integration and diversification
    - Cultural awareness training
    - Communication on the mine site
    - Working conditions (Chapter 5 – Chinuchi Agreement)
    - Worker transportation
    - Cultural and bereavement breaks (Moose Break, Goose Break, family leave)
    - Camp access in emergency situations
    - Cree voting during elections and referendums
- Impact management related to the different issues
- Cree employment and workforce objectives at Nemaska Lithium Inc.
- Nemaska and Cree training programs
- Integration, advancement, and retention measures
- Nemaska/Whabouchi Training and Employment Fund
- Employee communications

TEC Operating Rules

The Committee's operating rules align with the relevant articles under Chapter 4, Chapter 5, and Chapter 10 of the Chinuchi Agreement, while remaining sufficiently flexible to accommodate the TEC's potentially evolving requirements. Their purpose is to encourage dialogue among members, while respecting the Committee's mandate, responsibilities, and the spirit of the Chinuchi Agreement:

- The TEC acts under the supervision of the WIC, in the sense that it is a recommending body to help guide the WIC in its decision-making;
- Committee decisions are made by consensus, which is achieved by either unanimity or majority decision, per the minimum quorum of four (4);
- Parties are held to the decisions made by consensus within the TEC, while majority decisions are not binding to opposing parties;
- Committee members can be replaced at the discretion of the party that appointed them or upon the WIC's recommendation;
- During meetings, Committee members, coordinators, observers and invited experts strive to promote honest, respectful and courteous dialogue in good faith;
- Committee members attest that their membership does not place them in a conflict of interest and that they agree with the Code of Ethics available in the Chinuchi Agreement;

- In the event of the appearance of an immediate conflict of interest, the relevant members should disclose it and withdraw from any decision on that topic. The disclosure should be duly noted in the meeting minutes;
- Information is shared with all TEC members in advance of the meetings;
- Nemaska Lithium will diligently provide information on issues raised by Committee members;
- The topics of discussion (agenda) are agreed upon in advance by the Committee. The agenda should clearly state what decisions the TEC is required to take;
- Members review the information before meetings, instead of reviewing information during meetings;
- Technical, summarized, and short documents are used as a basis for the TEC's discussions. Original and complete documents or reports are shared with the Committee members to ensure transparency;
- Nemaska Lithium is responsible for the logistics and expenses of the Committee's meetings;
- The Committee may designate a chairperson on an ad hoc basis; however, members retain the right to speak at all times, either on their own behalf or on behalf of their respective organization;
- The Committee will meet quarterly plus special meetings, and per the availability of the information requested;
- Detailed minutes are taken after each meeting and sent to the committee members for review and approval;
- Meetings are held in Nemaska or online, unless otherwise agreed;
- At the end of the meeting, members are assigned clear tasks to complete with clear deliverable dates. These tasks are also identified in the meeting minutes;
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WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
June 2nd, 2022 – Videoconference

Were present

Walter Jolly	Cree Nation of Nemaska (CNN)	Councillor	Member
Kelly Leblanc	Cree Nation Government (CNG)	Environmental and Social Assessment Coordinator	Member
Denis Isabel	Nemaska Lithium (NLI)	VP – Sustainable Development	Member
Vincent Perron	Nemaska Lithium (NLI)	Senior Director – Environment and Stakeholder Relations	Member
Isaac Iserhoff	Cree Nation Government (CNG)	Territorial Programs and Natural Resources Advisor	Observer
Anna Krupa	Cree Nation Government (CNG)	Environmental Analyst	Observer
Matthew Tanoush	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development	Observer
Tanya Lamoureux	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel	Observer
Patrick Corriveau	Nemaska Lithium (NLI)	Environment Coordinator	Observer
Isaac Gauthier	Transfert Environnement et Société (TES)	Facilitator - Project Director	-
Laurianne Francoeur	Transfert Environnement et Société (TES)	Note Taker - Analyst	-

Meeting Agenda

Item #	Description
1	Opening and introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field
6	Presentation of the environmental and social monitoring program highlights for 2021
7	Presentation of the 2022 environmental and social monitoring program
8	Updates on permitting
9	Varia
10	Summary of actions for the next meeting

Item #1. Opening and introduction

Isaac G. opens the Environmental Committee (EC) meeting by welcoming the members and asking if anyone wants to start by saying a prayer. Walter offers to say a prayer in Cree.

Isaac G. suggests holding a round table to introduce everyone. He starts by explaining his role in the committee and his approach to facilitation. The members introduce themselves in the following order: Laurianne, Vincent, Denis, Anna, Kelly, Tanya, Patrick, Isaac I., Walter, and Matthew.

Isaac G. asks if there are news to share from the community. Tanya mentions that the COVID restrictions have been removed in the Nemaska community. Denis asks if the decision was taken by the CNN or the CNG, to which Tanya answers that the decision was Nemaska's, since it functions as a municipality. Patrick mentions that it is good news for the mine and will make it easier to manage the workers and the different activities. Matthew mentions that everyone is welcome in Nemaska, to visit the community.

Kelly adds that the CNG is currently working with the Impact Assessment Agency of Canada (IAAC). They are collaborating on a future mine on Mistissini territory, in the same ways that were done for the Rose Project and the James Bay Project.

No other points are added.

Item #2. Approval of the proposed meeting agenda

Isaac G. presents the proposed meeting agenda. He proposes to discuss the topics raised by Kelly in a previous email in the varia section. Vincent suggests adding a break between items 6 and 7. It is agreed by everyone. The agenda is accepted by the participants.

Kelly points out that some documents that were shared by NLI could not be opened. Vincent will look at the situation to resolve the problem and make sure that Kelly has access to the documents.

Item #3. Approval of the previous meeting minutes

Isaac G. asks the participants if they approve the previous meeting's minutes. Kelly mentions that a small correction is needed. At Item 6 of the last meeting report, the federal Impact Assessment is referred to as of 2015, however, it should read 2019. Laurianne will correct the document and send it to the members.

Item #4. Follow-ups from previous meetings

To begin the item, Vincent starts by explaining the EC's charter and its role for the committee members. The charter is a document that details the committee's operating rules (mandate, objectives, etc.), per the Chinuchi Agreement. For the moment, the charter is not official since it must be approved by the Whabouchi Implementation Committee (WIC).

Vincent adds that NLI is working on a reporting process for spills at the mine site. The objective is to enforce good practices and to report every incident to the EC during the current care & maintenance phase. The specific process will be presented at the next meeting.

The closure plan will also be presented at the next meeting since today's meeting is very dense. While the document needs to be in French, as requested by the Ministry of Energy and Natural

Resources, NLI is thinking of translating the plan into English or creating an English summary for the community. NLI wants to make sure that the document is accessible to everyone since it is an important topic for the community. Kelly asks if it will be possible to have a PowerPoint presentation on the topic of the closure plan, to summarize the information. Vincent agrees with the proposal. Denis adds that the closure plan is quite short in comparison to the overall project description. He assures the members that NLI will ensure that the document is well summarized and accessible.

Vincent adds that NLI is currently holding internal discussions on an eventual environmental symposium or conference. While there is no specific progress on the topic, NLI's executive has approved the organization of such an event. Vincent also suggests that a potential date be discussed during the varia, to make sure that it doesn't overlap during a holiday or community event. The proposal is agreed by the participants.

Vincent also mentions that NLI met with Laurence Gagnon, the person in charge of communications for the Nemaska community. NLI's upcoming communication plan was discussed at the meeting to ensure the company can meet its objective of reaching out to the community. The plan will be first presented to the WIC, after which it will be presented to the EC.

No comments are added.

Item #5. Sharing environmental updates and feedback from the field

Vincent starts by addressing the reddish-tinted water that was first observed last spring in the BC-10 pond. He explains that it is likely caused by run-off water from the overburden storage area into the basin. Since then, tests have demonstrated that the water is non-toxic, with the last test held during the previous summer. During these tests, levels of iron below government regulations were detected. This spring, the BC-10 basin's water again had an orange-red tint.

Vincent explains that tests will be completed over the summer to confirm the source of the coloured tint, in collaboration with the Université du Québec en Abitibi-Témiscamingue (UQAT). The current leading theory is that micro particles of iron in the water are oxidizing in the basin. Tests will be made on the water and on the soil to ensure that the issue is fully assessed.

Kelly asks when did the problem start, as she has no recollection of being informed about a coloured tint in the water. Denis answers that it began early last summer, in 2021. He explains that the water would become coloured over the summer. Over time, the iron likely sinks to the bottom of the pond and the water's colour returns to normal. He adds that the colour changes only when water leaks from the overburden pile, and tiny particles of iron stay in the water and oxidize. Patrick adds that Spodumene Lake was also tested to see if there was a presence of iron in the water. The results have been negative.

Matthew asks if this phenomenon will happen every year. Denis answers that if the leading hypothesis is correct, yes it will happen annually but will fade out over time.

Matthew asks what is the pond's depth. Denis answers that it is about two (2) meters.

Kelly asks if the water flows directly into Spodumene Lake. Denis answers that the water goes through a small sedimentation pond before flowing into the peatland and then into the lake. Kelly further asks if Spodumene Lake could also become orange, to which Denis answers that such an issue has not occurred. Tests were conducted in Spodumene Lake and the water was clear. NLI does not think that it will be an issue but will continue its investigation.

Kelly also asks if the coloured water could cause issues for the local land users and the surrounding camps. Patrick answers that no camp is located around the pond's location. The only nearby landmark located in the area is the bat nursery and Patrick mentions that the bats will not be affected. He adds that a nearby beach is sometimes used by the community, but no camps are around.

Walter and Matthew mention that they would like to visit the site and see for themselves the water basin. Patrick agrees to show them the site. Vincent mentions that Laurianne can help facilitate the meeting's organization.

No comments are added.

Item #6. Presentation of the environmental and social monitoring program highlights for 2021

Before beginning this section, Vincent shares info about his background in biology and specifically fish habitat restoration. He emphasizes that while he is not an expert, he does have significant experience.

He mentions that the data collected through environmental and social monitoring provides a good baseline for the region as the data collection was done over the last three (3) years. NLI was thus able to assess different variations in the results.

The monitoring objectives were the following:

- Document baseline conditions before extensive mining operations;
- Document baseline condition variations from one year to the next;
- Involve the Cree Nation of Nemaska in monitoring activities at the mine site;
- Document wildlife species of interest near the mine site.

Surface Water

Vincent continues by presenting the surface water testing results. He mentions that the official results will be available by the end of June.

He states that the surface water is very important since this is the fish's main habitat. He presents the fourteen (14) sampling stations, which were tested last September. All the stations present normal conditions.

The consultant providing the sampling work is Nemaska Resources. The highlights of their observations are the following:

- The surface water can support fish habitat, life, and recreational activities;
- The water pH is slightly acidic, with a relatively high level of aluminum and iron.

Therefore, the surface water is of good quality and can support aquatic life.

Kelly asks if the results are the same as in previous years. Vincent answers that no variations were noted. He also mentions that all this information will be in the report.

Matthew asks if the local spring areas (for drinkable water) were identified by the tallyman and the land users. Vincent answers that he needs to double-check the information. He also wants to specify that NLI would like to meet with Mr. Wapachee to have a better understanding of the land and build a relationship with the tallyman.

Matthew also mentions that he is concerned of the mine's impact on local water. Vincent answers

that the monitoring is not only to test fish habitat quality, but also general water quality. He commits to further explaining the importance of the testing in an upcoming site visit. Walter adds that he is very familiar with the area and mentions that there are local camps used by the community. He also mentions that many community members come to the area to source drinkable water during the year. Isaac G. mentions that the location of drinkable water sources for the community is very important information for the project. Walter agrees to show the locations during a site visit.

Vincent adds that surface water monitoring is ongoing to ensure water quality for both fish conservation and consumption.

Kelly adds that maps of the area were made earlier in the project, which should be of use to NLI. Vincent answers that he will look for the maps and study them prior to his site visit.

Groundwater Testing

Vincent continues his presentation by addressing the topic of groundwater testing. He mentions that twenty (20) observation wells were built between June and September 2021. Two wells broke during the testing period, which will need to be fixed prior to the next sampling period.

Vincent presents the highlights identified by Nemaska Resources and recalls that the report will also be made available in June:

- Groundwater on and around the site is exceeding water consumption criteria for several elements: aluminum, arsenic, manganese, lead, and zinc;
- Groundwater is also exceeding resurgence criteria to surface water for cadmium, copper, mercury, lead, and zinc;
- These metals are naturally present in the area's groundwater, as they are associated with certain rock types. They thus do not originate from NLI's activities at the site.

Vincent further mentions that the results are comparable to the previous years.

Matthew asks where will NLI source its water for the project and its workers. Denis answers that a well will be built onsite, between the concentrator and Spodumene Lake. He adds that the well will be connected to the concentrator. Matthew also asks if the water will be taken from an aquifer, which Denis confirms.

Kelly asks if NLI assesses the groundwater level, in addition to its quality. Denis answers that both will be eventually monitored. While the pit is small, it will get larger and will be deeper than Spodumene Lake. For this reason, groundwater monitoring will continue, to ensure that the water levels are not affected, whether at the surface or underground.

Kelly also asks if four (4) wells will be enough and if it will be necessary to add other wells in the future. Denis answers that NLI already installed more wells than required by the government, he however mentions that new wells may be needed. While none are currently planned, they can be added, if needed. Patrick adds that new wells will likely be added later in the project, as they can naturally close.

Matthew asks if NLI plans on doing samplings during the spring runoff. Denis answers that it is not necessary to test groundwater that frequently. Compared to surface water, the groundwater moves slowly. If NLI tests too often, they will always test the same source.

Hydrology

Vincent shares the hydrology testing results. He begins by presenting the sampling area and objectives:

- Evaluate the influence of the Whabouchi Water Management Plan on water levels in lakes, flows and creeks;
- Determine if the project affects water levels above the walleye spawning area in D Creek and brook trout spawning areas in C and G Creeks.

Two main results were observed:

- Water levels above the spawning sites are sufficient to provide spawning for Walleye and Brook Trout;
- Water levels have never dropped below the acceptable thresholds for fish spawning since monitoring began in 2018. This implies that conditions are permissive for spawning under natural conditions.

Vincent mentions again that the final report will be available by the end of June.

Heavy Metals in Fish Flesh

Vincent follows-up with the monitoring of heavy metals in fish flesh. This sampling is done every three (3) years on three different species: walleye, northern pike and lake whitefish. While the final report is not yet available, Nemaska Resources was able to provide the following highlights to NLI, to be shared to the EC:

<u>Mercury:</u>

- Similar results to those reported in the 2018 survey;
- Mercury levels in 2018 and 2021 sampled in the three target species are generally lower than or similar to the average levels measured in the same species in Quebec;
- Average mercury levels measured in the flesh samples of walleye and northern pike are higher than the Health Canada guideline of 0.5 mg/kg for fish protein and the quality criterion of 0.3 mg/kg of the MELCC. However, this situation is not unusual in Quebec.

<u>Arsenic and Lead:</u>

- Arsenic and lead levels sampled in the three target species are lower than the Health Canada guideline for fish protein.

Regarding the results, Vincent mentions that the presence of heavy metals in fish flesh seems stable. He mentions again that the final report will be available by the end of June.

Hydrological, Ecological and Habitat Functions of Spodumene Lake

Vincent presents the testing results of the hydrological, ecological and habitat functions of Spodumene Lake Peatland. The objectives are to:

- Document the evolution of peatland and pond areas using aerial drone imagery;
- Determine the evolution of flora over the years;
- Measure pH and conductivity of peatland pools to provide baseline data for future inventories.

This survey is undergone every year as part of NLI project authorization. The 2021 highlights are the following:

- Reduction of peatland area in 2021 compared to 2018 and 2019;
- A slight reduction of the pond areas in 2021 compared to previous years (- 1.7%);
- Larger changes in the frequency and abundance of some species were observed over time. It is believed that the observed changes represent a natural evolution of the microhabitat in the Spodumene Lake peatland rather than a consequence of anthropogenic activities at the mine site.

Bat Survey

Vincent presents the results of the bat survey. He mentions that the methodology used to assess the presence of bats is the same as the one presented at the last EC meeting. Overall, the data since last year is stable:

- The two endangered species under federal law - the northern long-eared bat and little brown bat – were the most detected in the study area, especially during the reproduction season (May-July);
- Other bat species were detected during the migration season (August-September): big brown bat, hoary bat (specie at risk – Quebec) and silver-haired bat (specie at risk – Quebec).

Wildlife Monitoring

Vincent continues with the wildlife monitoring. He explains that the objective here is to assess if the mining site will attract local animals. The observation results are the following:

- 49 foxes;
- 2 common nighthawks;
- 1 bear;
- 2 wolves;
- Several bats.

Vincent mentions that in some cases, the same individual animal may have been seen more than once.

Kelly asks who oversaw the observations. Patrick answers that his colleagues and himself were in charge. The day shift team saw the bear and the wolves, while the night shift saw the foxes, the common nighthawks, and the bats. NLI asks its teams to note every spotted animal, but only specific species are documented, as the ones above.

Kelly continues by asking if visual monitoring is the only method used, to which Patrick answers that no cameras are used onsite, therefore only visual monitoring is used. He adds that the 2022 Environmental and Social Monitoring Program will be presented later in the meeting.

Cree Nation Involvement in Monitoring

Finally, Vincent presents how the Cree Nation was involved in NLI's monitoring activities. He points out the participation of Mr. Jacob Weistchee and Mr. Dominic Swallow in several monitoring activities, including:

- Surface water testing;
- Hydrology;
- Groundwater testing;

- Heavy Metals in fish flesh and liver;
- Flora inventory – peatland;

He also adds that some the equipment used for monitoring was rented by Mr. James Wapachee.

A short break is taken by the members before Item 7.

Item #7. Presentation of the 2022 Environmental and Social Monitoring Program

Vincent begins by presenting the monitoring campaign calendar. The dates are available in the appendix of this document.

He explains that the main monitoring activities will occur from May to September 2022. Some activities such as wildlife monitoring will be ongoing, throughout the year. He also adds that the ultrasound equipment for the bat survey is already installed. The monitoring began on May 10th.

He further explains that two (2) Cree members are helping NLI with the monitoring program: Wayne Jolly, from Nemaska and Richard House from Chisasibi.

To allow time to discuss the questions shared by Kelly before the meeting, the topics of the email are addressed. The first question concerned the possibility for a joint Institut national de la recherche scientifique (INRS) sampling team to make some initial water testing in the area. Vincent answers that NLI agrees, and he mentions that he will provide Laurianne with the contact information of the person in charge, Mrs. Nadine Marois, so the joint sampling can be coordinated.

Kelly mentions that she also discussed the proposal with Newmont's team, and they will also participate in the sampling. She mentions that this type of work will benefit all the parties involved. Vincent agrees and mentions that he will be available next week to plan the sampling. Matthew also mentions that he will be able to participate.

Regarding her second question, Kelly also asks, on behalf of the tallyman Mr. James Wapachee, what are NLI's plans for wildlife inventorying. Vincent summarizes the activities (please refer to the presentation for the full details), with the following important highlights:

- June 21-24: bird monitoring;
- July 1-7: amphibian & reptile monitoring;
- August 15-26: vole and mice monitoring;
- August 23-28: flora monitoring.

He adds that at the request of the Impact Assessment Agency of Canada (IAAC), NLI must minimize its activities' impacts on local goose and must stop its work during the Goose Break. Concerning wildlife inventorying, none are planned for big mammals. To that point, NLI will look to rely on information provided by Mr. James Wapachee, to better understand local land use and wildlife behaviour. He believes that the existing monitoring plans in addition to local knowledge will provide the most accurate results.

Kelly suggests that all NLI's information regarding wildlife monitoring be gathered in a single document for ease of understanding and communication. She mentions that she will meet with Mr. James Wapachee and his wife to share the information provided by Vincent and follow up with them. The proposal is agreed.

No other comments are made.

Tanya mentions that since one member left the meeting, the meeting's quorum is no longer met. By consensus, the members decide to continue the meeting, but to report any decision-making.

Item #8. Updates on permitting and regulatory affairs

Vincent mentions that no new permits were issued or are in process of being issued to NLI. The only report filed to a regulator is the following:

- GCM (Global Climate Model) report – report submitted to the IAAC request to provide clarifications regarding the impact of changes made to the Whabouchi project on valued components under federal jurisdiction (May 31, 2022).

Vincent mentions that the EC members will be able to comment the report by June 20th. It will be made available on the Teams Group for review and comments.

Vincent details the next permitting and regulatory steps:

- Filing an annual report to the COMEX (2021 results of the Environmental and Social Monitoring Program) - Due Date: June 30th, 2022;
- Filing an annual report with the IAAC - Due date: June 30th, 2022;
- Whabouchi Project Permitting Plan - under preparation.

Item #9. Varia

The varia previously proposed were discussed earlier in the meeting. No other comments or varia are added.

Item #10. Summary of actions

Apply a minor correction to the previous meeting's minutes (year change)	TES
Prepare an English and summarized version of the Closure Plan	NLI
Present the summarized version of the Closure Plan to the community	NLI
Send a survey to determine an environmental symposium/conference date	TES
Share the contact information of Walter Jolly and Matthew Tanoush with Patrick Corriveau and assist in organizing their visit to the mine site	TES
Present Nemaska Lithium's Communication Plan	NLI
Share Nemaska Resource's contact information with the CNG	NLI and TES
Share the final report of Nemaska Resources	NLI
Prepare and share a summarized report of undertaken, planned and ongoing wildlife monitoring/inventories for the Whabouchi Project	NLI

The participants briefly discuss the ongoing bat problem occurring in the Nemaska community. Matthew invites Vincent to take part, virtually, in a meeting that will occur on June 3rd, in the morning.

The next EC meeting is planned for September. Walter suggests doing it before the CNN general assembly, which will be held from September 13th to September 15th. Tanya mentions that it will be interesting to hold the meeting in person or a hybrid mode since Kelly and Vincent will be in the community. Vincent agrees.

The meeting ends.

Appendix – Nemaska Lithium's Presentation

Environmental Committee Meeting

New Nemaska Lithium project

June 2nd 2022

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

1. Opening and Introduction

EC Members & Alternates

Cree Members

Walter Jolly, Council Member - Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member - Cree Nation of Nemaska
Kelly Leblanc, Environmental and Social Assessment Coord., Cree Nation Government

Nemaska Lithium Members

Denis Isabel, Vice President - Sustainable Development
Vincent Perron, Senior Director - Environment and Stakeholder Relations

Transfert Environnement et Société

Isaac Gauthier, Facilitator
Laurianne Francoeur, Minute-Taker

2. Proposed Meeting Agenda Approval

Meeting Agenda

1. Opening and Introduction
2. **Decision:** Proposed Meeting Agenda Approval
3. **Decision:** Proposed Meeting Minutes Approval
4. **Discussion:** Previous Meeting Follow Ups
5. **Discussion:** Sharing environmental updates and feedback from the field
6. **Discussion:** Highlights of the 2021 Environmental and Social Monitoring Program
7. **Discussion:** Presentation of the 2022 Environmental and Social Monitoring Program
8. **Discussion**: Update on permitting and regulatory affairs
   - – Answer to IAAC request
   - – Annual environmental and social monitoring report – 2021 (COMEX)
   - – Annual report – 2021 (IAAC)
9. Varia
10. Summary of actions for the next meeting

3. Proposed Meeting Minutes Approval

- March 9th, 2022 – Meeting Minutes

4. Previous Meeting Follow Ups

Previous Meeting Follow Ups

Suggestions and actions	Updates and status
Update on the disclosure statement	☑The charter has yet to be approved by the WIC.
Proposal of a course of action based on the level of impact of a spill or other environmental events	☑ In progress
Present the new Closure Plan	Postponed to the next meeting
Create a sub-committee to work on organizing an EC symposium/conference programming	☑ In progress
Presentation of the communication plan developed by the WIC to help EC members to identify topics to be shared with the community	Postponed to the next meeting

5. Sharing environmental updates and feedback from the field

Coloured Water in BC-10 Basin

- Water colour appears to have returned to normal
- Additional water quality testing will be conducted this summer

BC-10 (September 2019)

BC-10 (May 2021)*

BC-10 (May 2022)

* The reddish water tested in 2021 showed no toxicity

6. Highlights of the 2021 Environmental and Social Monitoring Program

Environmental and Social Monitoring Program (2021)

- Over the last three (3) years, the monitoring program was performed during Nemaska's care & maintenance activities. **The data collected during this period represents good baseline conditions.**

- Objectives:

  - Document baseline conditions prior to extensive mining operations;

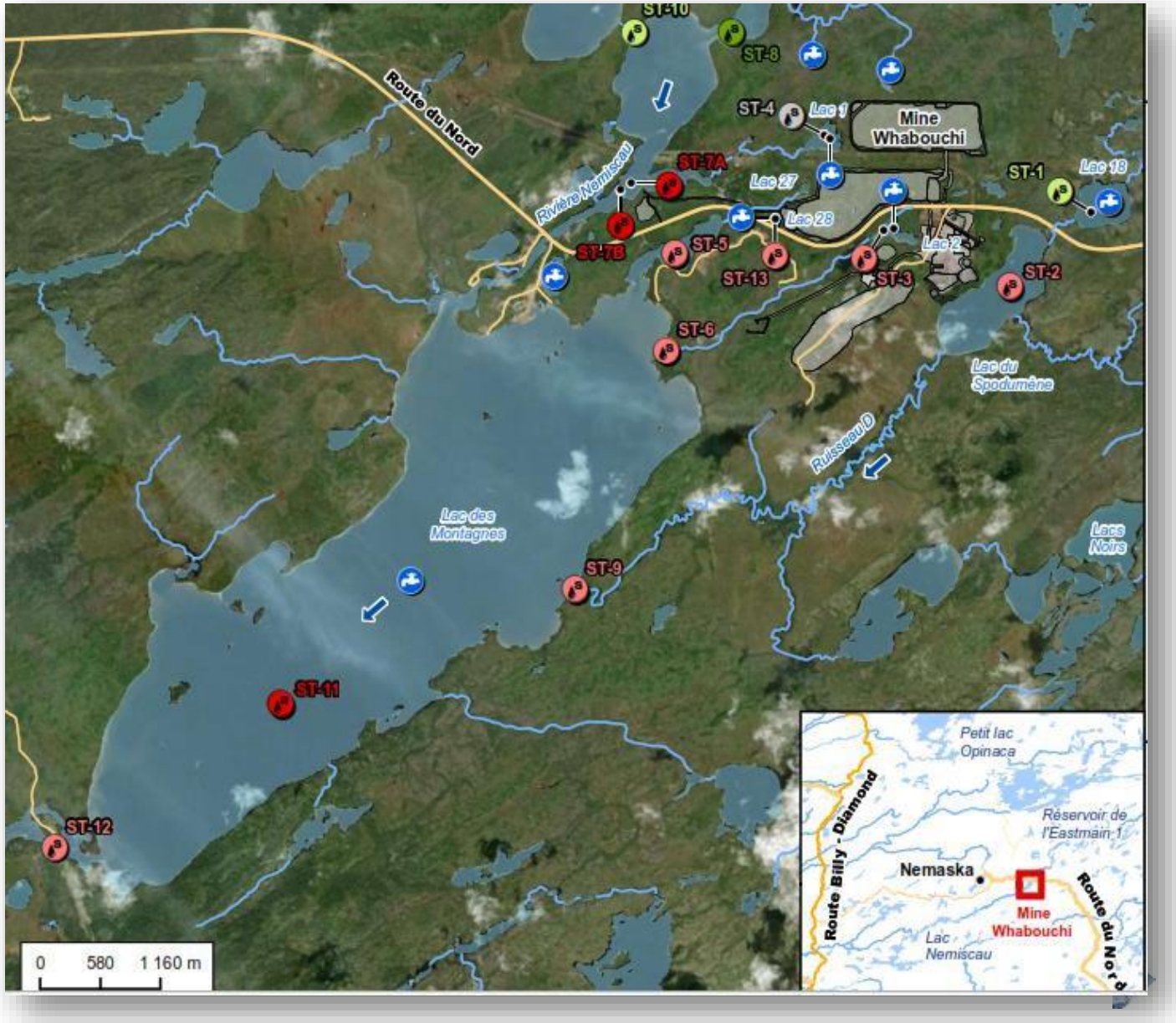
  - Document baseline condition variations from one year to the next;

  - Involve the Cree Nation of Nemaska in monitoring activities at the mine site;

  - Document wildlife species of interest near the mine site.

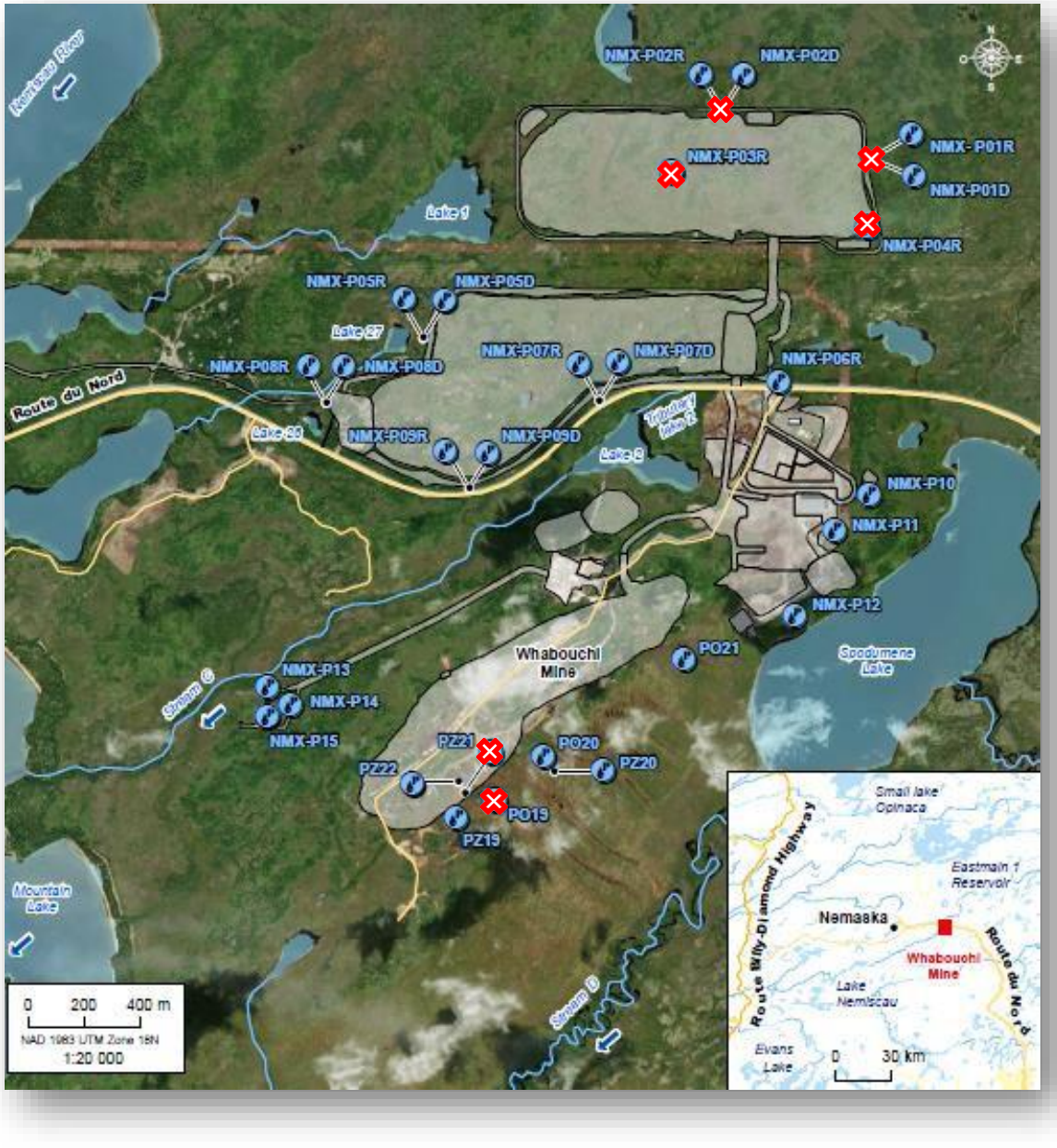
Surface Water Testing (2021)

- Water testing conducted at **14 sampling stations** between Sept. 8 -14, 2021
- Highlights:
  - Lake and rive water at and around the Whabouchi mining site:
    - ✓ **Ensures the protection of aquatic life and recreational activities**;
    - ✓ Shows **few exceedances** of provincial and federal water quality criteria (pH, aluminum and iron);
    - ✓ Is **slightly acidic** with relatively **high aluminum** concentrations at sampling stations in the reference and exposure areas. **These are typical conditions in the Canadian Shield**.



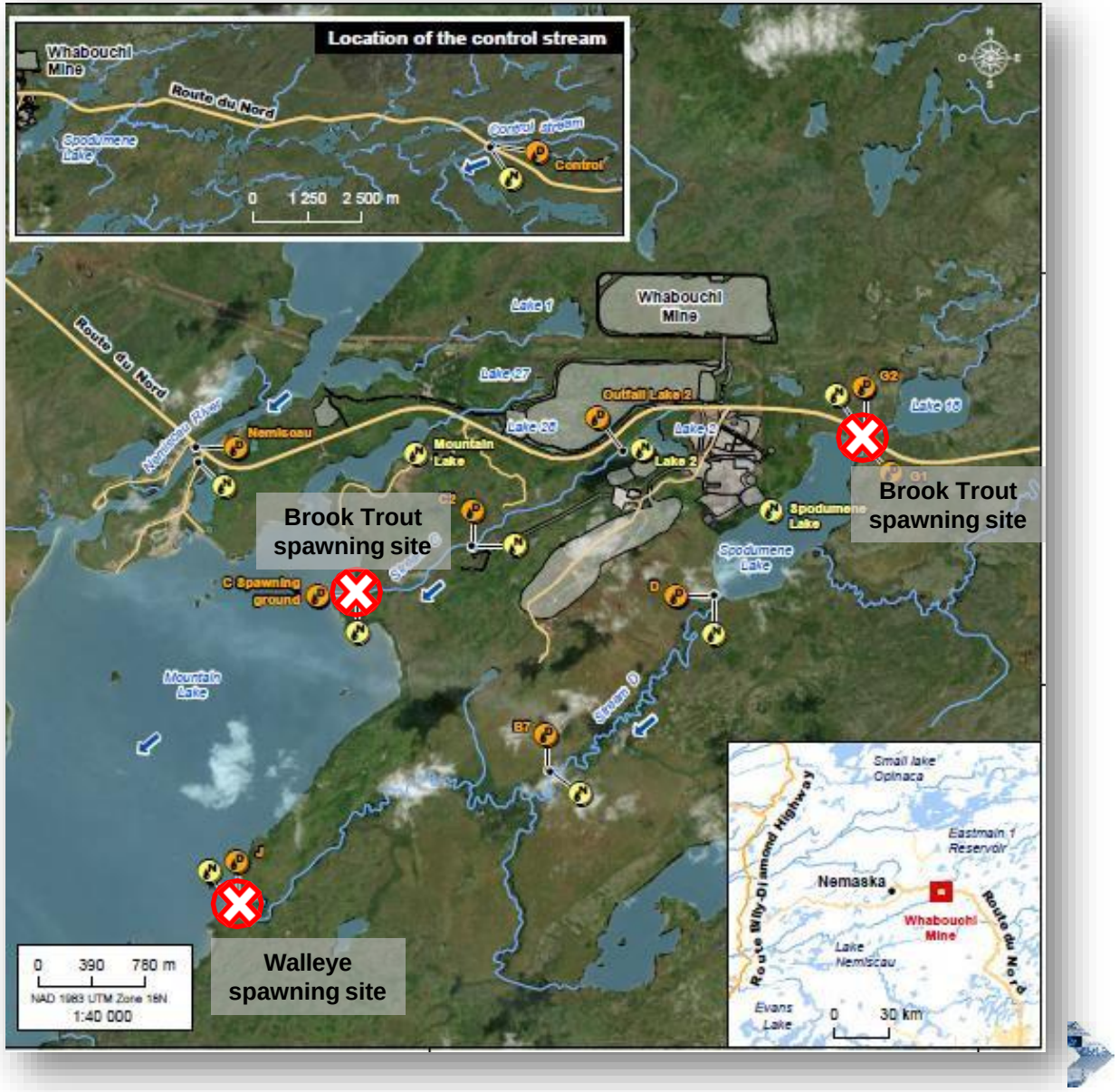
Groundwater Testing (2021)

- Two groundwater testing campaigns were conducted in **20 observations wells** in June and Sept. 2021
- Highlights:
  - Groundwater on and around the mine site **is exceeding water consumption criteria** for several elements:
    - ✓ Aluminum, arsenic, manganese, lead, and zinc;
  - Groundwater **is also exceeding resurgence criteria to surface water** for:
    - ✓ Cadmium, copper, mercury, lead, and zinc;
  - These **metals are naturally present** in groundwater associated with certain rock types. **They do not come from the activities carried out on the site.**



Hydrology Testing (2021)

- Objectives:
  - Evaluate the influence of the Whabouchi water management plan on water levels in lakes, and on flows and levels in creeks;
  - Determine if the project affects water levels above the walleye spawning area in D Creek and brook trout spawning areas in C and G Creeks.
- Highlights:
  - Year-to-year variations in hydrology conditions were observed between 2018 and 2021;
  - **Water levels above the spawning sites are sufficient to provide spawning for Walleye and Brook Trout;**
  - **Water levels have never dropped below the acceptable threshold for fish spawning since the beginning of the monitoring in 2018.** This implies that conditions are permissive for spawning under natural conditions.



Monitoring of Heavy Metals in Fish Flesh (2021)

- One field campaign was conducted in September 2021
- Number of fish caught by target fish :

Catch Site	Walleye	Northern Pike	Lake Whitefish
Spodumene Lake	69	20	23
Mountain Lake	58	15	37
Nemiscau River	72	9	19

Monitoring of Heavy Metals in Fish Flesh (2021)

- The following highlights were provided by Nemaska Ressources. English version of the final report should be available by the end of June.

  - **Mercury**

    ✓ Similar results than those from 2018 Survey;

    ✓ Mercury levels analyzed in 2018 and 2021 in the flesh samples of the three target species are generally lower than or similar to the average levels measured in these species in Quebec;

    ✓ Average mercury levels measured in the flesh samples of Walleye and Northern Pike are higher than the Health Canada guideline of 0.5 mg/kg for fish protein and the quality criterion of 0.3 mg/kg of the MELCC. However, this situation is not unusual in Quebec.

  - **Arsenic and Lead**

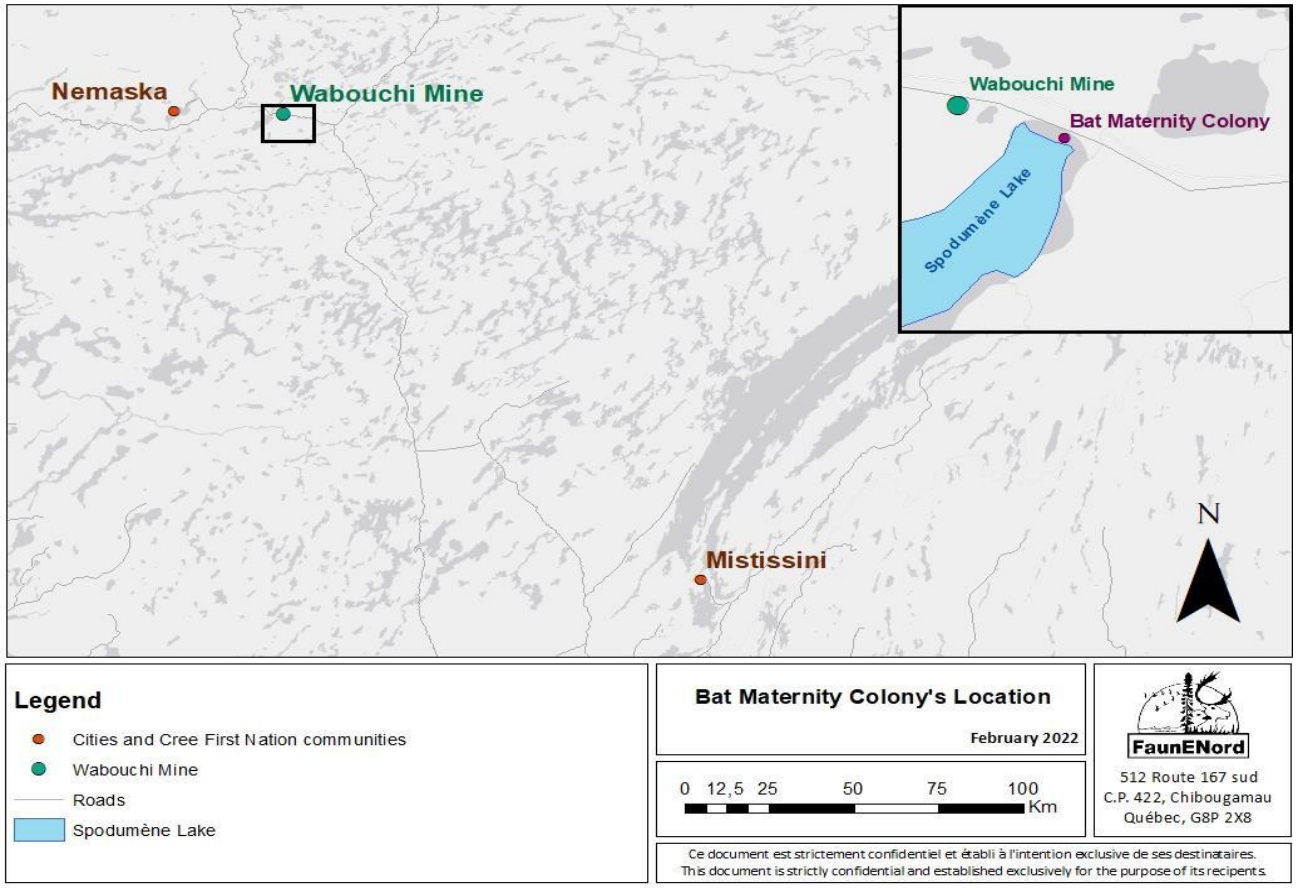
    ✓ Arsenic and lead levels in the flesh samples of the three target species are lower than Health Canada Guideline for fish protein.

Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland (2021)

- Objectives:
  - Document evolution of peatland and pond area using aerial drone imagery;
  - Determine evolution of flora assemblage over the years;
  - Measure pH and conductivity of peatland pools to provide baseline data for future inventories.
- Highlights:
  - **Reduction of peatland area in 2021** compared to 2018 and 2019;
  - **Slight reduction of pond area in 2021** compared to previous years (- 1.7%);
  - **Larger changes in the frequency and abundance of some species were observed over time**. The observed changes represent a natural evolution of the microhabitat in the Spodumene Lake peatland rather than a consequence of anthropogenic activities at the mine site;
  - pH and conductivity were measured for the first time in 2021, data to be compared in future surveys.

Bat Survey (2021)

Monitoring Activity (2021)	Brief Description	Period
NMX - B8 - Bats (FaunENord & MFFP)	• Maternity located to the North of Spodumene Lake (old camp) • Visual count and acoustic monitoring	May 11 to Sept. 30, 2021



Visual count

Ultrasound detector

2021 Bat Survey - Highlights

- The two endangered species under federal law - **Northern long-eared bat** and **Little brown bat** – **were the most detected** in the study area, especially during the reproduction season (May-July);

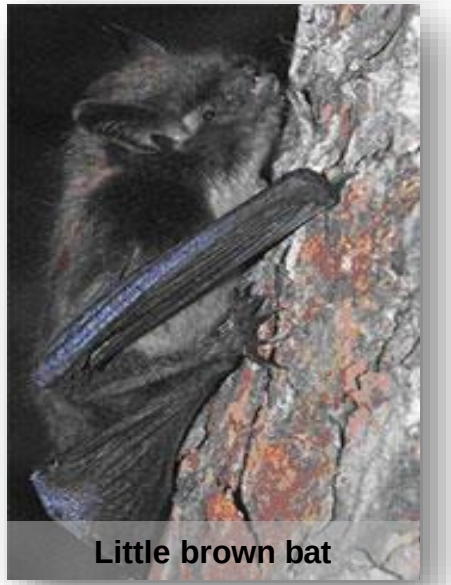
- Other bat species were detected during the migration season (August-September):

  – Big Brown Bat
  – Hoary bat (specie at risk – Quebec)
  – Silver-haired bat (specie at risk – Quebec);

- 2021 results similar to those of 2019;

- No observation during visual surveys (June 22, July 28-29).

Northern long-eared bat


Little brown bat

Wildlife Monitoring (2021)

- Wildlife observation at the mining site in 2021 (species of interest)

Species	Number of Observations
Fox	49
Common Nighthawk	2
Bear	1
Bat	Several Obs.
Wolf	2

Involvement of Cree Nation of Nemaska in Monitoring Activities (2021)

- Participation of Mr. **Jacob Weistchee** and Mr. **Dominic Swallow** in several monitoring activities, including:
  - Surface water testing
  - Hydrology
  - Groundwater testing
  - Heavy Metals in fish flesh and liver
  - Flora inventory – peatland

- Equipment rented to Mr. James Wapachee

New Nemaska

7. 2022 Environmental and Social Monitoring Program

2022 Environmental and Social Monitoring Program

Monitoring Activity (2022)	Brief Description	Date
Surface water quality (Nemaska Ressources)	• Water testing at 14 sampling stations	May 31 – June 9 July 26 – August 5
Hydrology (Nemaska Ressources)	• Water level measurments in several lakes and creeks, including spawning sites • Flow rates in creeks	May 31 – June 9 July 26 – August 5
Groundwater (Nemaska Ressources)	• Groundwater water testing in several observation wells around Whabouchi • Assessment of water level & quality	May 31 – June 9 July 26 – August 5
Potable water at the mine site (Nemaska Lithium)	• Potable water testing – water wells at the mine site	Monthly basis
Spodumène Lake Peatland (Nemaska Ressources)	• Evolution of peatland and pond area using aerial drone imagery • Wetland's outflow • Water table depth • Floristic and wildlife survey	May 24-26 May 31 – June 9 July 26 – August 5 June 21-24 (birds) July 1-7 (amphibians & reptiles) August 15-26 (voles and mice) August 23-28 (flora)
Bats (FaunENord & MFFP)	• Maternity located to the North of Spodumene Lake (old camp) • Visual count and acoustic monitoring	May10-11 End of June (adults) End of July (adults & Youngs) End of September
NMX B9 - Wildlife (Nemaska Lithium)	• Observation of wildlife species of interest on the mine site	Ongoing
NMX H6 - Cree Involvement Nemaska Lithium)	• Favoring Cree involvment in NLI monitoring activities	Ongoing

8. Updates on permitting and regulatory affairs

- Answer to IAAC request
- Annual environmental and social monitoring report – 2021 (COMEX)
- Annual report – 2021 (IAAC)

Update on Permitting and Regulatory Affairs

PERMITS ISSUED

- No new permit applications since the last meeting

PERMITS IN PROCESS

- No new permit applications since the last meeting

REPORTS FILED WITH REGULATOR

- **GCM report** : Response to the Impact Assessment Agency of Canada's (IAAC) request for clarification regarding the impact of changes made to the Whabouchi project on valued components under federal jurisdiction (May 31, 2022)
  - Possibility for the members of the EC to comment the report until June 20 (report available on Teams Group)

NEXT STEPS

- Filing annual report with the COMEX (results of the 2021 environmental and social monitoring program)
  Due Date: June 30, 2022
- Filing annual report with the IAAC
  Due date: June 30, 2022
- Permitting Plan for the Whabouchi project under preparation (GCM)

9. Varia

10. Summary of Actions

11. Next Meeting

New Nemaska

Thank you !

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
October 25th, 2022 – Videoconference

Were present

Anna Krupa	Cree Nation Government (CNG)	Environmental Analyst	Interim Member
Matthew Tanoush	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development	Observer
Walter Jolly	Cree Nation of Nemaska (CNN)	Councillor	Member
Tanya Lamoureux	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel	Observer
Anderson Jolly	Cree Nation of Nemaska (CNN)	Councillor	Substitute
James Wapachee Sr	Cree Nation of Nemaska (CNN(	Tallyman	Observer
Denis Isabel	Nemaska Lithium (NLI)	VP – Sustainable Development	Member
Vincent Perron	Nemaska Lithium (NLI)	Senior Director – Environment and Stakeholder Relations	Member
Isaac Gauthier	Transfert Environnement et Société (TES)	Facilitator - Project Director	Animator
Laurianne Francoeur	Transfert Environnement et Société (TES)	Note Taker - Analyst	Note taker

Meeting Agenda

Item #	Description
1	Opening and introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field • BC-10 decantation pond • Domestic water treatment system • Minor Spill on site
6	Presentation of the new Closure Plan (summary)
7	Presentation of undertaken, ongoing and planned wildlife monitoring/ assessments (tallyman request) - postponed to next meeting
8	Updates on permitting - postponed to next meeting
9	Varia
10	Summary of actions for the next meeting

Item #1. Opening and Introduction

Isaac opens the Environmental Committee (EC) meeting by welcoming the members. Denis is invited to share an introductory word. The meeting's agenda is well packed with several important issues to be discussed. The Cree members are invited to say a prayer before the meeting continues. Matthew proposes himself and says a prayer in Cree.

Since the last meeting was several months ago, a quick round table is held to allow members to reintroduce themselves.

It is mentioned that Anna will fill Kelly's seat on an interim basis. Her official replacement will be announced shortly.

Item #2. Approval of the proposed Meeting Agenda

The meeting agenda is presented. Isaac proposes a 15-minute break after the sixth topic on the agenda.

The agenda is approved. No varia is proposed.

Item #3. Previous Meeting Follow Ups

Isaac presents the previous meeting's minutes. No comments nor feedback were received. The minutes are adopted.

Vincent and Denis present the previous meeting's follow-up actions, namely to:

- Apply minor corrections to the March 9th EC meeting report;
- Present a summarized version of the mine's Closure Plan;
- Send a survey to determine environmental symposium date;
- Arrange a site visit with Walter Jolly and Matthew Tanoush;
- Present Nemaska Lithium's Communication Plan;
- Share Nemaska Resources' contact information with the CNG;
- Share the Nemaska Resources' final report;
- Share a summarized report of undertaken, planned and ongoing wildlife monitoring/inventories.

They begin by confirming the minor corrections to the previous meeting report. The members received the corrected version on June 29th, 2022. The summarized version of the Closure Plan will be presented later in the meeting.

Vincent continues by explaining NLI's decision to postpone the environmental symposium, as it would require a lot of work, with little time. Moreover, the mine is currently under care and maintenance, which means that there will be fewer things to share at a symposium. Since construction is planned to begin in 2023, it makes more sense to hold the event next year. Denis adds that it is important to find the ideal moment for the event, since summer, fall and spring are not optimal, due to traditional activities of the community. As such, February and March are proposed to which Tanya mentions that January or February would be best. She asks if the event will have any political topics, adding that there is an election in February. Vincent confirms that only environmental topics will be discussed. Matthew suggests that the event is held in March.

Still on the topic of the environmental symposium, it is mentioned that the event's planning will

begin before the end of the year. Vincent mentions that the event could also be a good opportunity for the CNG to present the ongoing eDNA project. Denis adds that the symposium is not focused on the Whabouchi Project but aims to discuss local environmental issues or projects. Researchers, non-profit organizations, and regional partners are welcome to do presentations. Tanya suggests that Matthew's team participates in the event's planning. She adds that for previous similar events, Nemaska has worked with the FauneNord firm to ensure an environmentally friendly event.

The meeting continues with a mention that Vincent will be present at the mine site all week and if committee or community members which to visit the site, Vincent will make it his priority. Matthew confirms that he is interested in visiting the mine site. It is agreed upon that he can present himself at the gate on Thursday October 27th at 11:00 AM for a visit and lunch. Matthew also mentions that James Wapachee, the R20 tallyman, is in his office and would also be interested in a site visit. Vincent welcomes James to join the site visit and mentions that he will contact him to organize the visit.

Tanya asks Matthew if James will attend the committee meeting, which Matthew confirms, adding that Walter is also in attendance. The Nemaska board room is set up so the members can join the meeting. Anderson also joins the meeting. Isaac provides a summary of the meeting so far so the members can be up to date.

Regarding the Communication Plan, Vincent explains to the members that the document is not ready yet, and its presentation is postponed to next year. Anderson takes the opportunity to ask if Nemaska Lithium's new liaison agent was hired, which Denis confirms. The new liaison agent is Silas Blackned and he will be soon joining the team. Anderson continues by asking if NLI will share a newsletter to inform the community about the project's progress. Denis answers that this is currently under discussion. However, NLI will probably use more popular communication channels like Facebook or local radio, for example. Anderson agrees but insists on the fact that the community wants to be informed. He mentions that many people have questions about the new committees and employment opportunities at the mine. Anderson continues by asking if Silas Blackned will continue to work at the airport since is currently a supervisor. Denis answers that yes, he will work both jobs part-time in the short term.

The follow-up actions continue with Vincent explaining that Nemaska Resources' final report refers to a monitoring report from last year. He adds that the report is now available to the committee members on the Teams channel. Anna then asks if the contact information for Nemaska Resources was shared with Kelly. Vincent answers that it is possible since it was shared for the eDNA Project, but if needed, the information can be shared with Anna. She confirms that she will need the information to share it with Kelly's replacement.

The discussion on follow-up actions continues with Vincent mentioning that the final topic, wildlife monitoring, will be discussed in the meeting. Matthew asks if black bears are part of the control plan, especially for those who may try to eat garbage. Denis answers that NLI has cages to capture bears if they get too close to the site and, if needed, the tallyman will be contacted to assist in the capture. He adds that no bear was spotted this year near the cafeteria area, with one bear seen further away from the property. Walter adds that the bears will be hibernating soon and won't be a problem. James continues by saying that the cages owned by NLI are not the best ones since they don't have wheels. Denis confirms that he will look into having wheels added to the cages to facilitate transportation and will reach out to James to find the best solution. Anderson continues by saying that the Eleonore Mine has had problems with bears. A bear even locked himself in the laundry room and was found by an employee. He suggests keeping dogs at the site to make sure that the bears don't come too close.

Item #4. Environmental Updates

Following last meeting's discussion on the BC-10 water basin, which showed an orange tint due to an elevated iron concentration, Vincent shares information on the recent water sampling analysis. He notes that the iron concentrations have been slowly rising, reaching a 5.4 mg/L concentration. He reiterates that the water is not toxic, as the orange tint is basically rust, and that the issue is mostly esthetic. Since the regulatory limit is 6 mg/L, Nemaska Lithium decided to pump the water into basin BC-11 and avoid any discharge. Later in the project, NLI plans to build a water treatment plant and treat the site's water. Regarding the water pumping to BC-11 basin, NLI is currently working on improving the process.

James asks when will the water return to a normal colour. Denis explains that it is not the water that is orange tinted, but rather the rocks. He mentions that the rocks will likely remain orange but will be contained on-site. James then asks if the colour is caused by a contaminant, to which Denis explains that the colour is caused by the contact (oxidization) of iron in the soil with air and can be compared to rust on rocks. He adds that the phenomenon is common at mine sites. Walter then asks if other mine sites also the same issue have, which Denis acknowledges. Vincent adds that such rust can often be seen in roadside ditches around the Route du Nord. Denis continues by explaining that the water is clear and that the orange particles are at the bottom of the basin.

Anderson asks if the BC-11 basin's water is orange tinted. Denis answers negatively, but if BC-10 water continues to be pumped without being treated, it will be. He insists on the fact that the solution is temporary and that a company will treat the basin at the beginning of the winter. The pumping will also stop once the weather will be too cold. Denis explains that the water from the BC-10 basin will always have an orange tint, but it won't be as pronounced as it is at the moment. Anderson mentions that he would like to do a site visit but will unfortunately not be available this week. Denis mentions that there is always someone onsite and that anyone who would like to visit can simply call-in advance and present themselves at the gate. On that matter, Isaac suggests that the visits be made by someone at NLI who can speak to the tinted water issue in BC-10. Both Denis and Anderson agree. Laurianne will share the respective parties' contact information to facilitate the site visit.

Tanya asks if the water in basin BC-11 discharges anywhere. Denis answers that the water stays in the basin and is not discharged. Tanya continues by asking whether the treatment will be done repeatedly, to which Denis answers that the treatment will only be done once. Tanya continues by asking if the treatment will have any impacts to wildlife, for example to ducks or geese that land in the BC-10 basin. Denis and Vincent explain that the treatment is non-toxic, and nor is the water in the basin. They mention that some fish (suckerfish) were spotted in the basin and that they are not affected by the orange colour since the water is clear and non-toxic. No birds were seen on the basin.

Matthew shares his thoughts on the issue in Cree. He then summarizes in English by mentioning that the same orange colour can be seen in creeks along roads. He mentions that very few fish are seen in those creeks, which is natural. He adds that iron is a natural occurring mineral from the earth. Denis agrees with Matthew's affirmation. He repeats that the issue is mostly aesthetic and that the measures taken are to avoid any potential future problems.

Matthew continues by sharing the words of his late father, who mentioned that tunnels exist between lakes, rivers, and ponds, which allows water to travel between sources. He explains that in the past, he saw a lake that used to be very clear change colour to a darker one because of underground channels. Matthew then asks if such a situation could happen in Spodumène Lake or

other water sources in the area. Denis agrees with Matthew's observation and answers that the situation should not occur since the water itself is not tinted, only the rocks are affected by the colour change.

Tanya invites Walter and James to join Matthew during the site visit on Thursday to obtain more information on the topic. Walter confirms that he already saw the water colouration during his last visit.

Vincent continues the meeting by presenting NLI's domestic water treatment system. The treatment started on August 26th, for which the committee members received an email on the topic on September 1st. The system treats the work camp's water, namely from the kitchen, showers, and toilets. Vincent explains that adjustments are still being made to the treatment system, for example, to adjust the bioreactor's pH.

Walter asks if the domestic water discharge will be monitored. Vincent answers that all the mine's water discharge will be monitored during its lifetime. Most of the systems require monthly monitoring.

Isaac summarizes the information shared by Vincent to ensure everyone's understanding. He mentions that the water treatment system and the discharge pipe are only for domestic water and not mining activities, which Denis confirms. Walter then asks if the water used to supply the camp is taken from an underground well. Denis answers that the camp's drinking water is from an underground well while the rest of the water supply comes from the surface. Anderson asks if NLI plans to reduce water use during the mine's operation. Denis answers that the water used by the plant will be recirculated to avoid discharging into the environment. Matthew asks if there is a reason why the domestic water discharge pipe is not underground, to which Denis answers that the above ground pipe is to be used during summer and will be changed during winter to prevent freezing. The pipe is also only used for the construction camp as the permanent camp will use a different system. Denis adds that the above ground pipe should not affect wildlife movement and suggests that the members participating in a site-visit later in the week also see the water discharge pipe to share feedback on the topic. Denis repeats that the current discharge system is preliminary. Matthew thanks him for the answers but mentions that he is looking for a permanent solution.

Isaac suggests that the topic of water management be further discussed in a future meeting.

The meeting continues by discussing a minor spill that happened at the site, for which an email was sent on September 8th to the Environmental Committee. Vincent shares information about the spill and how it was managed. He mentions that since the project is in care and maintenance, there are only a few such incidents, NLI can thus communicate to the committee each spill as soon as it happens. During the construction phase, spills and other environmental incidents will be communicated in a monthly report.

The committee takes a 15-minute break.

Item #5. Presentation of the New Closure Plan

After a short break, Denis begins presenting NLI's Closure Plan for the Whabouchi Project. He explains that a Closure Plan is required by government to ensure that companies do not abandon mining projects. The plan must be very detailed, supported by a security deposit, and updated every five years to take into account the project's evolution and its operations.

The Closure Plan that is presented today is the latest version from February 2021. The document will

also be available on Teams, for consultation. The topics are the following:

- Co-disposal heap: represents the area where the waste rock and tailings will be stored. The area will be progressively revegetated. Also, since NLI is pilling dry elements, these will partially return to the pit and be revegetated from east to west.
- Barren land: the material will be removed. The remaining barren land will be revegetated.
- Buildings and plants: the buildings will be decommissioned and sold. There will be no demolition or waste landfill at the site, as recycling and waste disposal will be made in the south of Quebec. No waste will remain on Cree land.
- Surface infrastructure: will be demolished. The waste will be recycled or disposed adequately.
- Roads: they will be scarified as they cannot be immediately revegetated due to soil compaction. Some roads will be rehabilitated later since they will be needed in the short-term for monitoring. This usually takes 10 years, but it can be longer if requested by government.
- Underground infrastructure: they will be cleaned and left in place.
- Overburden heap: will be used for re-vegetation.
- Ditches and basins: will be cleaned and backfilled. The site will also be re-vegetated.
- Open pit: The pit will be progressively filled with water to be transformed into a new lake. It will take many decades to fill this lake, up to 30 years according to Denis. A peripheral berm will be installed at a safe distance from the pit.
- Heavy equipment: it will be sold. If a Cree company wants the equipment, they will have priority on buying the equipment.
- Petroleum products, chemical products, and hazardous materials: They will be sent for disposal in approved facilities.
- Contaminated soils: depending on the quality and the contamination of the soil, it will be managed per regulations.
- Ditches and basins: They will be cleaned and backfilled.

Tanya asks if NLI could consider selling the camp site to Nemaska. Denis answers that it is not in the plan since it was not discussed with the community, however the idea could be considered. He adds that there is still time to have these conversations since the Closure Plan will be updated in 2026 and the mine's closure is in minimum 33 years.

Matthew asks if NLI will use the overburden for backfilling. Denis answers that only the co-disposal heap will be used.

Tanya asks if the Closure Plan is written in French, to which Denis answers positively. Tanya suggests that this should be made clear when the document is shared. If needed, a translation of certain parts could be made, per the community's specific interests. Denis and Vincent agree.

Walter asks if fish will be able to live in the open pit once it is transformed into a lake. Denis answers that yes, although they will likely be small fish, as there will be little vegetation to support larger fish due to the lake's depth. He adds that the plan does not aim to create an ecosystem for animals, mentioning that there was little consultation on the document. He adds that NLI will look to consult the Nemaska community when it will update the Closure Plan. Walter asks if the lake will be toxic, to which Denis answers that it will not. Walter and James both mention that the lake looks beautiful according to the pictures, with a beautiful colour. Denis suggests showing pictures of other mine lakes post rehabilitation to the members. He mentions that the lake's colour will be light blue but will eventually become darker. Tanya asks if the lake will be like a gravel pit lake, to which Denis answers positively, although mine pits are deeper. Thus, the colour is darker than in a gravel pit lake.

Tanya explains to Walter and James that Lake Lemay near Ottawa is a gravel pit lake. People can swim in it and use it for recreational activities.

Anderson asks if the lake's water will be monitored, to which Denis answers positively. Anderson then asks how deep the lake will be, to which Denis answers that it is not known yet, but the information can be shared later in the project's development.

Matthew intervenes to insist on the importance of good planning in project development and mentions that he hopes younger generations will be smarter with resources management and request stricter regulations. As an example, he mentions that in Ontario, mines must use overburden, waste rock and tailings to fill a pit after closure. He suggests the same practice be used and that the community be consulted on the topic. Denis answers that backfilling a pit is always recommended in Quebec. In some cases, he mentions that project's with more than one pit often progressively fill them as the project moves forward. Different pit shapes can also be used to support the backfilling or parts of the mine can be built underground. To sum up, Denis mentions that NLI is still considering different options.

Regarding Matthew's comment, Isaac asks NLI if they can commit to having meaningful consultations on the Closure Plan with the community. Denis commits to consultations with the Nemaska community prior to the updating the Closure Plan. Tanya mentions that the topic of consultations on the Closure Plan was a big issue for the community. She then asks if an underground mine is a serious option. Denis explains that it is a possibility and will depend on the mine's economics. If the lithium market stays up, the mine will likely be an open pit. If the lithium market goes down, the project may be underground. This will be planned out to ensure the best use of the project's finances and the site's lithium resources. Denis adds that NLI could organize a visit to a closed mine site so the members can see what it looks like.

Denis continues by presenting recent improvements to the Closure Plan. One key element is the building of a co-disposal test pad by a team from the Université du Québec en Abitibi-Témiscamingue (UQAT) to assess geochemistry and predict water quality for the project's eventual full co-disposal heap. The testing and monitoring were made by a Ph.D. student for their thesis and the report is now available. The objective was to predict the water quality of the co-disposal heap to ensure better control. Matthew asks what a co-disposal test pad is, to which Denis explains that it is a smaller version of the co-disposal heap to test potential environmental issues and plan appropriate mitigation measures.

Vincent follows by giving details about a re-vegetation study undertaken by the Université de Sherbrooke. The study's objective was to test the revegetation potential of local plant species. Usually, hydroseeding is used in such studies, but in this case, there were concerns about this approach with local plants. The plants were thus tested in soil, with different nutrients and different soil compositions. He adds that the nursery will be built next year, and it will be possible for local companies to operate the nursery. Isaac asks which plants are tested, to which Vincent answers that he doesn't know the names of all the plants but knows that Labrador tea is currently being tested. The name of the plant species will be shared with the group at the next meeting.

Denis thanks the community for keeping the Université de Sherbrooke project alive and further thanks Matthew for helping to fund the project. Matthew mentions that Sébastien Roy, the study manager from the Université de Sherbrooke, wanted the Cree nation to actively participate in the project, but unfortunately, there was a lack of community participation. Denis mentions that the topic can be discussed at the following meeting and that for the moment, the project will rely on resources from the Université de Sherbrooke. He also adds that the topic could be raised during

consultations with the community. Matthew mentions that the University has the skills and knowledge necessary to undertake the study since they worked with Hydro-Québec on a similar project. He asks if training will be available in Nemaska to support the project. Denis mentions that Sébastien Roy is open to sharing how the project works and partnering with the Nemaska community. Isaac points out that this would be a good topic for the Economic Development Committee.

Item #6. Summary of actions

The rest of the presentation is postponed to the next meeting as it is lunchtime. This will allow enough time to cover the topic of wildlife monitoring and answer member questions. Denis takes time to thank everyone for their participation. He repeats that a visit is planned on Thursday at 11:00 PM, and everyone is welcome to join. Another visit will also be planned later for Anderson.

Tanya suggests that the next Environmental Committee meeting be in person. It is agreed by all. The aim is to hold the next meeting in December, before the holidays. A survey will be sent out by Laurianne to organize the meeting.

The actions are the following:

Share the eDNA project's information with Anna	VP
Share Vincent and Denis' contact information with Anderson	LF
Present details about the construction of the permanent camp, including water discharge	VP and DI
Reach out to James Wapachee regarding bear management at the mine site	VP and DI
Share Closure Plan and identify significant portions for community review	VP and DI
Verify details about the Closure Plan - Depth of the new lake - Members' interest to visit another closed mine site - Photos of mine lakes where the water changed colour	VP and DI
Share the names of the plants tested by the Université de Sherbrooke with regards to re-vegetation of the mine pit	VP

NEMASKA LITHIUM

Environment Committee Meeting

October 25th 2022

1. Opening and Introduction (Quorum)

Cree Members

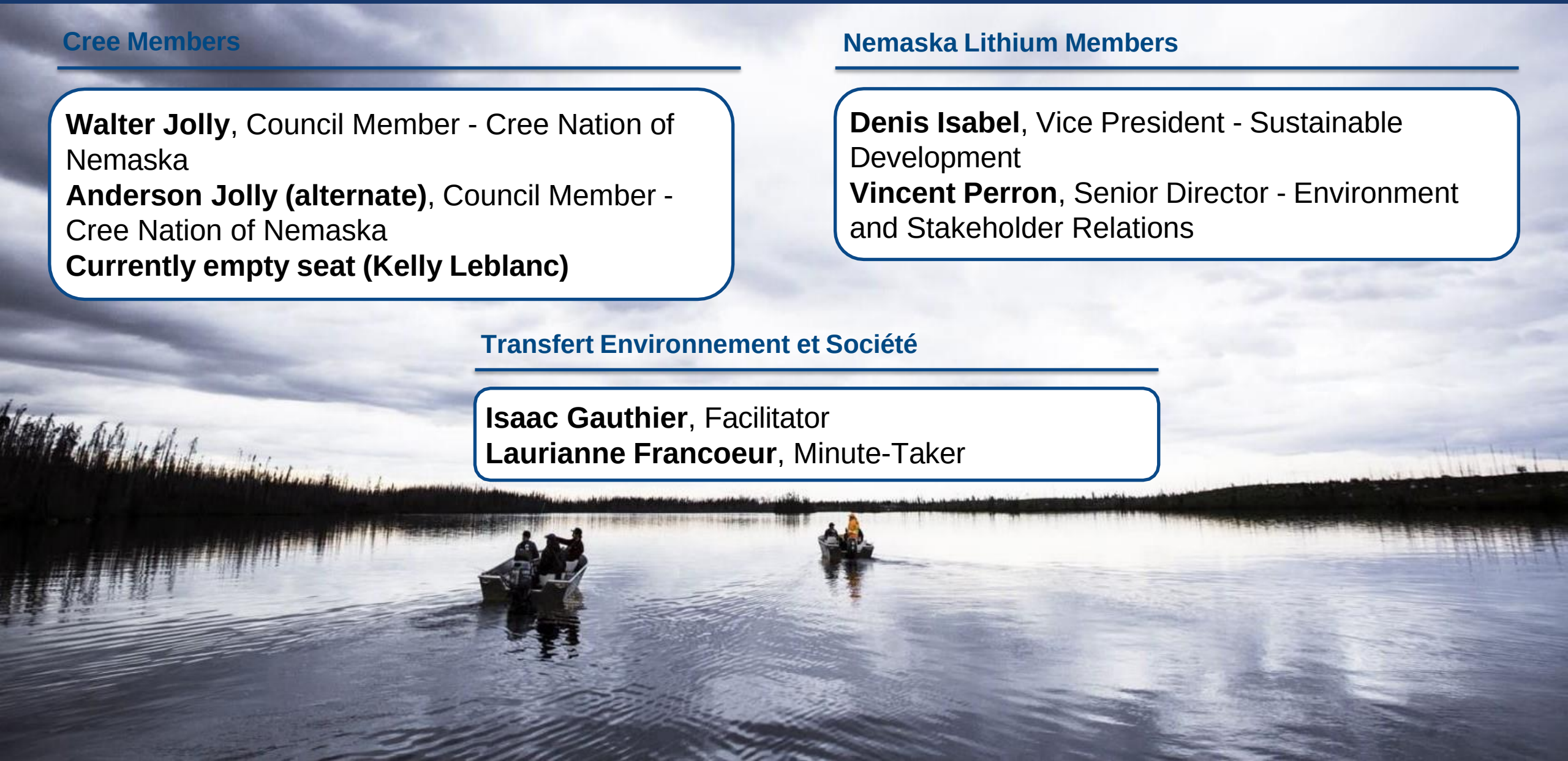
Walter Jolly, Council Member - Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member - Cree Nation of Nemaska
Currently empty seat (Kelly Leblanc)

Nemaska Lithium Members

Denis Isabel, Vice President - Sustainable Development
Vincent Perron, Senior Director - Environment and Stakeholder Relations

Transfert Environnement et Société

Isaac Gauthier, Facilitator
Laurianne Francoeur, Minute-Taker



2. Approval of the Proposed Meeting Agenda

Proposed meeting agenda:

1. Opening and Introduction
2. Decision: Approval of the proposed meeting agenda
3. Decision: Approval of the previous meeting minutes
4. Discussion: Previous meetings follow ups
5. Discussion: Sharing environmental updates and feedback from the field
6. Discussion: Presentation of the new Closure Plan (summary)
7. Discussion: Presentation of undertaken, ongoing and planned wildlife monitoring/assessments (tallyman request)
8. Discussion: Update on permitting and regulatory affairs
9. Varia
10. Summary of actions

3. Approval of the Previous Meeting Minutes (EC Meeting - June 2nd 2022)

- Previous Meeting minutes were sent to EC members on June 29th 2022

  ✓ TES has not received any comments

- Minutes of the June 2nd EC meeting available at this link:

  EC Meeting_June 2nd, 2022

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
June 2nd, 2022 – Videoconference

Were present

Walter Jolly	Cree Nation of Nemaska (CNN)	Councillor	Member
Kelly Leblanc	Cree Nation Government (CNG)	Environmental and Social Assessment Coordinator	Member
Denis Isabel	Nemaska Lithium (NLI)	VP – Sustainable Development	Member
Vincent Perron	Nemaska Lithium (NLI)	Senior Director – Environment and Stakeholder Relations	Member
Isaac Iserhoff	Cree Nation Government (CNG)	Territorial Programs and Natural Resources Advisor	Observer
Anna Krupa	Cree Nation Government (CNG)	Environmental Analyst	Observer
Matthew Tanoush	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development	Observer
Tanya Lamoureux	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel	Observer
Patrick Corriveau	Nemaska Lithium (NLI)	Environment Coordinator	Observer
Isaac Gauthier	Transfert Environnement et Société (TES)	Facilitator - Project Director	-
Laurianne Francoeur	Transfert Environnement et Société (TES)	Note Taker - Analyst	-

Meeting Agenda

Item #	Description
1	Opening and introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field
6	Presentation of the environmental and social monitoring program highlights for 2021
7	Presentation of the 2022 environmental and social monitoring program
8	Updates on permitting
9	Varia
10	Summary of actions for the next meeting

4. Previous Meeting Follow-ups

Suggestions and actions	Updates and status
1. Apply minor correction to March 9th EC meeting minutes as per Kelly Leblanc's comment	☑ Done
2. Prepare and present a summarized version of NLI's closure plan	☑ Done –will be presented today
3. Send a survey to determine environmental symposium date	☐ Postponed to next year
4. Arrange a site visit with Walter Jolly and Matthew Tanoush	☑ In Progress – Several attempts made
5. Present Nemaska Lithium's communication plan	☐ Postponed to the next meeting
6. Share Nemaska Resources's contact information with the CNG	☑ Done
7. Share the final report of Nemaska Resources	☑ Done
8. Prepare and share a summarized report of undertaken, planned and ongoing wildlife monitoring/inventories for the Whabouchi Project	☑ Done - will be presented today

5. Environmental Updates and Feedback from the Field

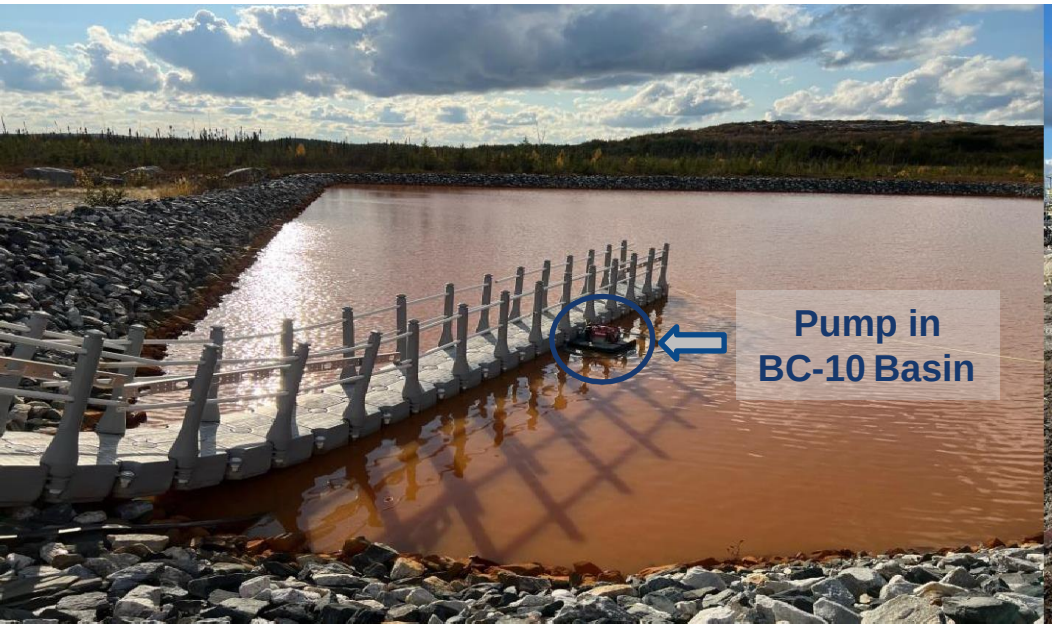
- **Coloured water in BC-10 basin**
  - ✓ Water samples were taken in August 2022 and sent to laboratory for analysis
  - ✓ This year's results compared to those of 2021 show an **increase trend** in water concentration for **suspended solids**, **turbidity**, **iron**, and **sodium**. They also show a **slight decrease of water pH**. However, the coloured water is still **non toxic**.

BC-10 Basin

Parameters	2021 Results	2022 Results	Limit	Trend
Suspended solids (mg/l)	3,8	10	30	
Turbidity (UTN)	28	44	…	↑
Iron (mg/l)	1,5	5,4	6	
Sodium (mg/l)	3,4	47	…	↑
pH	7,32	6,83	6 - 9,5	↓
Bioassays	Non Toxic	Non Toxic	No Toxicity	↔

5. Environmental Updates and Feedback from the Field

- **Coloured water in BC-10 basin**
  - ✓ Action Plan:
    - Short-term: Transfer the coloured water from the BC-10 basin to the BC-11 basin and stop the effluent in the peatland
    - Mid-Term: Treat the iron-enriched water (water treatment requires an authorization from the regulator)



5. Environmental Updates and Feedback from the Field

BC-10 Basin (Oct. 24th, 2022

BC-10 Basin (Oct. 24th, 2022

5. Environmental Updates and Feedback from the Field

- **Domestic water treatment system (Mabarex)**
  - ✓ Operation of the Whabouchi domestic wastewater treatment system started on August 26, 2022
    - Notification were sent to EC members with the location of the effluent
    - Monitoring program of the effluent has been implemented
    - Effluent is meeting environmental standards, except for the ammoniacal nitrogen (adjustments are being implemented)

Control room

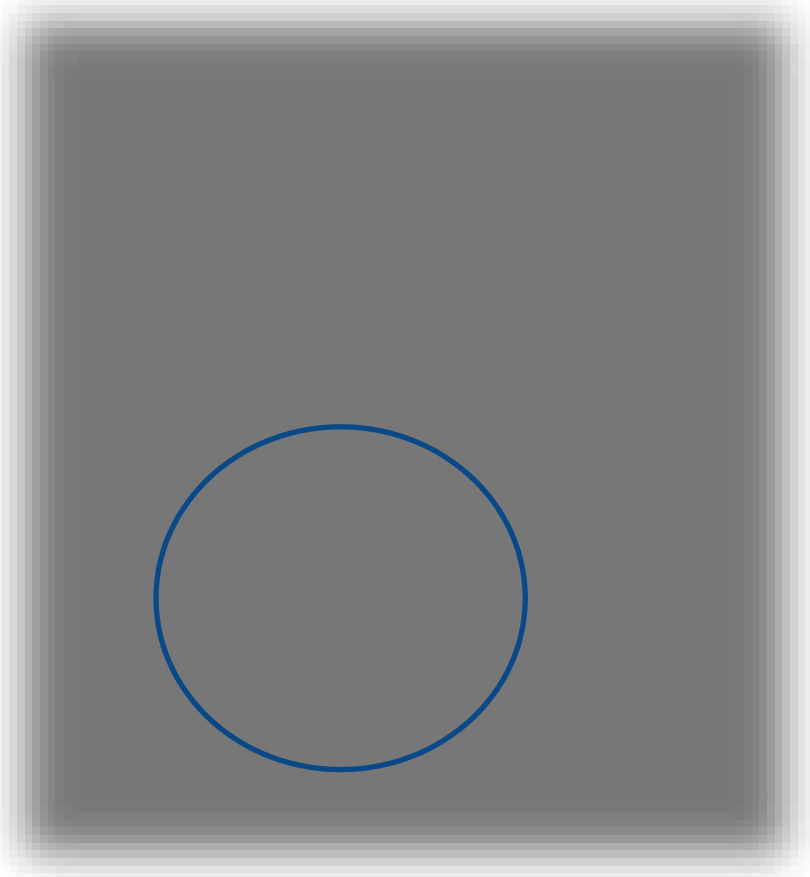
Treated Water Line (effluent)

Treated Water (effluent)

5. Environmental Updates and Feedback from the Field

- **Minor Spill at Whabouchi**

  - ✓ **Volume spilled:** less than 15 L of hydraulic oil
  - ✓ **Surface impacted:** 2m^2
  - ✓ **Cause of the spill:** broken hydraulic hose of a propane transfer pump (propane truck)
  - ✓ **Intervention:**
    - Use of absorbent sheets;
    - Excavation of 0,5 m^3 of contaminated soil;
    - Soil disposal in accordance with Quebec regulation.
  - ✓ **Modification of the work procedure:**
    - Visual inspection of the pump and fittings before use;
    - Use undercontainment device to collect any leak;
    - Supervision by Nemaska Lithium of the filling operation, from the beginning to the end of the operation.



6. Summary of the Updated Closure Plan

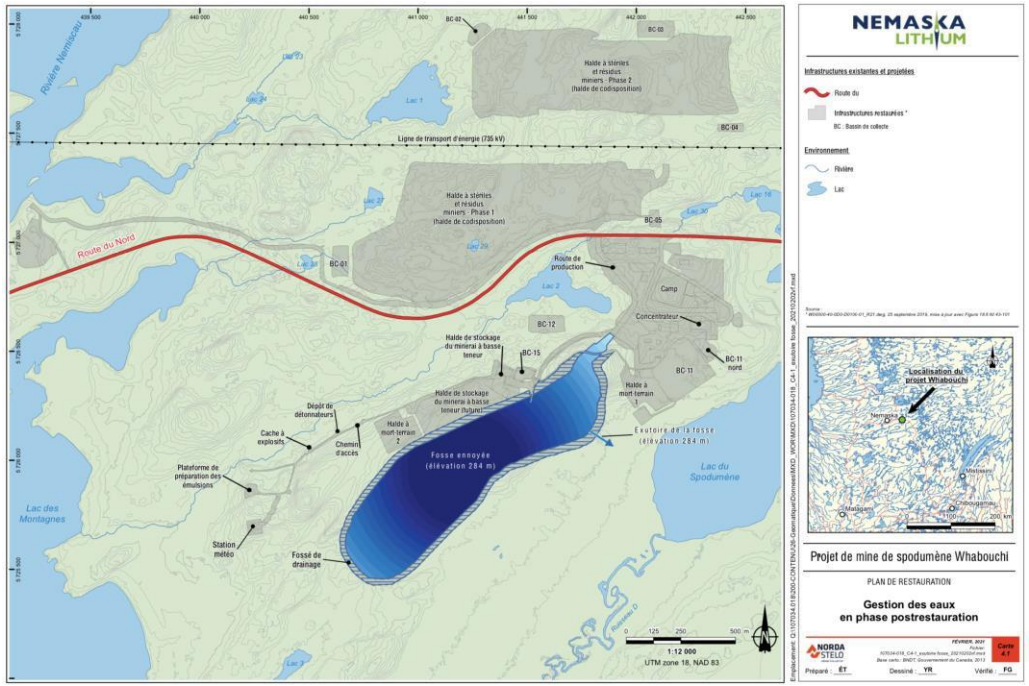
Element	Closure
Co-disposal heap	Progressive re-vegetation
Barren land	Re-vegetation
Buildings and plant	Decommissionning and total demolition and waste recycling or disposal
Surface insfrastructures	Total demolition and waste recycling or disposal

6. Summary of the Updated Closure Plan

Element	Closure
Roads	Scarification and re-vegetation, Except access path for environmental monitoring
Underground infrastructures	Cleaned and left in place
Overburden heap	Used for re-vegetation
Ditches and bassins	Cleaned and backfilled

6. Summary of the Updated Closure Plan

Element	Closure
Mine pit	Water filled and peripheral security berm



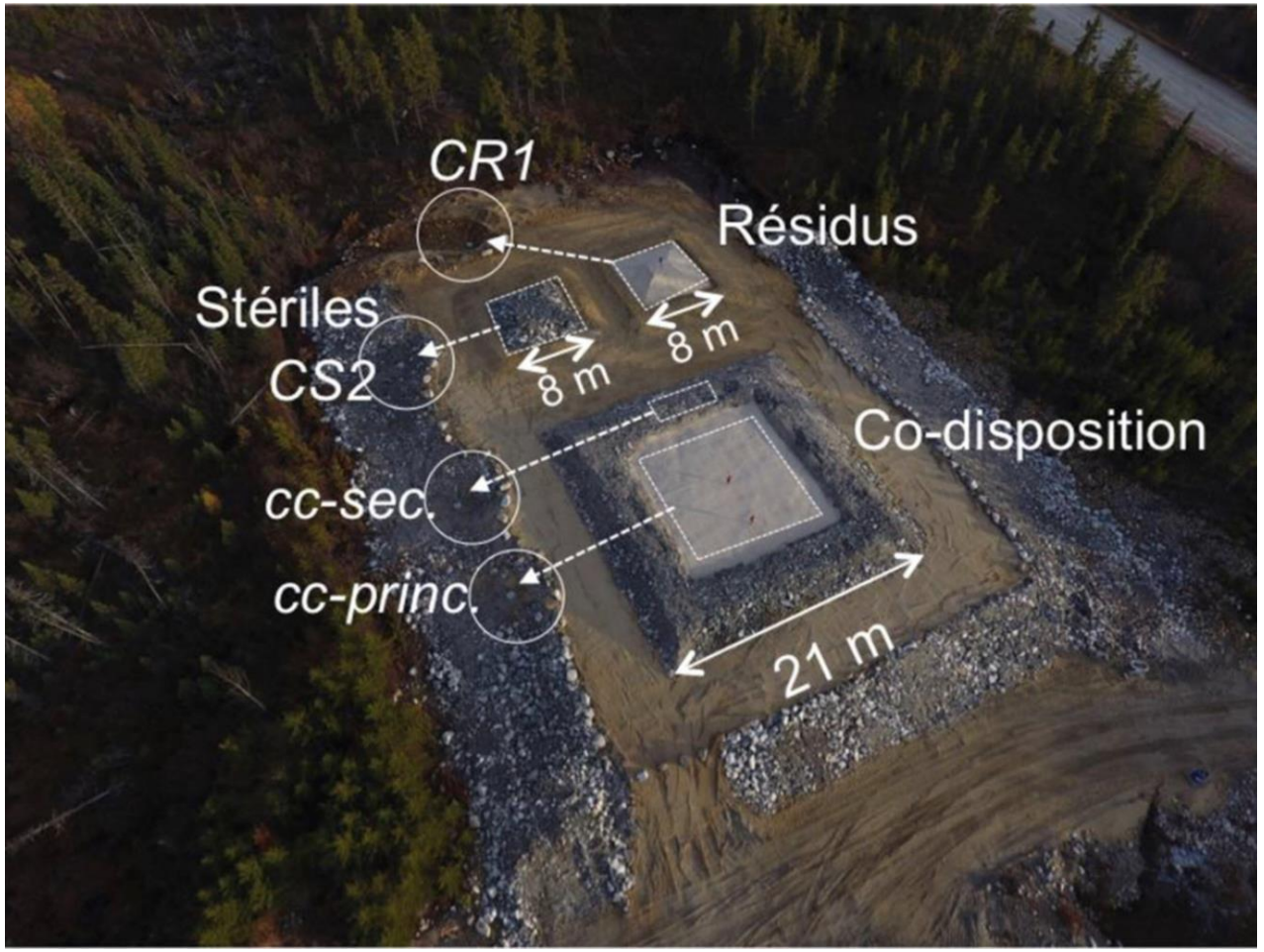
6. Summary of the Updated Closure Plan

Element	Closure
Heavy equipement	Sold
Petroleum products, chemical products and hazardous material	Sent to approved disposal facilty
Contaminated soils	Managed according to approved rehabilitation plan
Ditches and bassins	Cleaned and backfilled

6. Summary of the Updated Closure Plan

Improvement to closure plan

Co-disposal test pad with UQAT to assess geochemistry and predict water quality



6. Summary of the Updated Closure Plan

Improvement to closure plan

Re-vegetation study with Université de Sherbrooke to secure the use of local plant species

7. Wildlife Monitoring Effort (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Fish ✓ Walleye ✓ Brook Trout ✓ Northern Pike ✓ Lake Whitefish ✓ Others	☑ Fish inventory in every lake, stream and river on and around the mining site ☑ Inventory of fish habitats (spawning sites, nursery, etc.)	☑ Three-yearly monitoring of heavy metals in fish flesh (Walleye, Lake Whitefish, Northern Pike) ☑ Monitoring of spawning sites for Walleye and Brook Trout ☑ Monitoring of fish population in lakes 2, 27 and 28 ☑ Multi-year monitoring of fish habitat compensation projects
Bats	☑ Bat inventory on and around the mine property	☑ Monitoring of bat maternity of the Spodumene Lake
Birds	☑ Bird inventory on and around the mine property	☑ Two-yearly monitoring of bird populations in the Spodumene Lake Peatland ☑ Daily monitoring of migratory birds / endangered bird species at the mine site (register)
Micromammals ✓ Voles ✓ Mice	☑ Micromammal inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Amphibians & Reptiles ✓ Snakes ✓ Frogs and Salamanders	☑ Amphibian and reptile inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Benthic organisms ✓ Insects ✓ crustaceans	☑ Benthos inventory in lakes 1, 2, 3 and Spodumene Lake	☑ Annual monitoring of the benthic organisms at the mine effluent in the Nemiscau River

7. Wildlife Monitoring (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Mammals ✓ Bear ✓ Wolf ✓ Moose ✓ Fox ✓ Wooden Caribou ✓ Beaver ✓ Squirrel ✓ Snowshoe Hare ✓ American Marten ✓ River Otter ✓ Mink ✓ Etc.	☑ Aerial inventory (10 km radius around the mine site) ☑ Ground observations ☑ Ground inventory	☑ Daily monitoring of wildlife at the mine site (direct and indirect observations)

8. Update on Permitting and Regulatory Affairs

la Convention de la Baie James et du Nord québécois
Comité d'examen des répercussions sur l'environnement et le milieu social

Environnement et Lutte contre les changements climatiques
Québec

Gouvernement régional d'Eeyou Istchee Baie-James
Eeyou Istchee James Bay Regional Government

Environmental and Social Impact Assessment (ESIA)

General Certificate of Authorization (COMEX)

37 conditions

10 modification requests over the last 6 years

Decision Statement (IAAC)

++ conditions under 10 topics

Obligation to assess the impacts of the modifications made to the project

Main Authorizations Delivered:

- ✓ Site preparation
- ✓ Construction of an ore processing plant
- ✓ Exploitation of sand pits
- ✓ Installation of the final mining effluent pipe (Nemiscau River)
- ✓ Ground water withdrawal (mine pit dewatering)
- ✓ Operation of the Whabouchi mine
- ✓ Operation of a domestic water treatment plant

Main Permits Delivered:

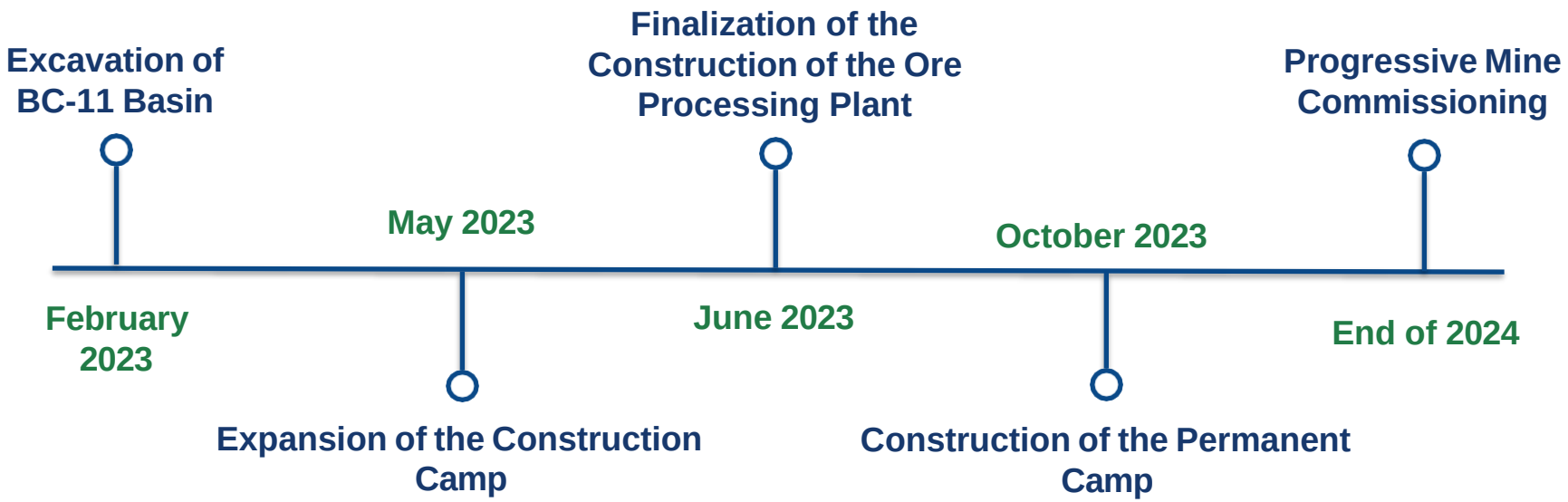
- ✓ Construction permits
- ✓ Fresh water network permit
- ✓ Domestic water network permit

8. Update on Permitting and Regulatory Affairs

Current Authorized Layout of the Mine

8. Update on Permitting and Regulatory Affairs

Whabouchi Preliminary Schedule (starting dates)



8. Update on Permitting and Regulatory Affairs

PERMITS ISSUED

- No new permit issued since the last meeting

PERMITS IN PROCESS

- No new permit in process since the last meeting

REPORTS FILED WITH REGULATOR

- Annual report for the COMEX (results of the 2021 environmental and social monitoring program)
- Annual report for the IAAC
- Reports available here:
  COMEX - Annual Report
  IAAC - Annual Report

NEXT STEPS

- In the short term, prepare permit applications related to:
  - ✓ the expansion of the construction camp
  - ✓ the modification of the ore processing plant
  - ✓ the construction of the permanent camp
- Other permit applications will be prepared in 2023

9. Varia

10. Summary of Actions

Vincent Perron, Biol. M.Sc.
Directeur principal - Environnement et relations avec les parties prenantes
T. 418 809-8029
C. vincent.perron@nemaskalithium.com

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
December 14th, 2022 – Hybrid Format

Were present

Vincent Perron	Member	Senior Director – Environment and Stakeholder Relations (NLI)
Denis Isabel	Member	VP – Sustainable Development (NLI)
Walter Jolly	Member	Councillor (CNN)
Anderson Jolly	Substitute	Councillor (CNN)
Aurora Maria Hernandez	Member	Mining Engineer (CNG)
Tina Vassiliou	Observer	Business Partner and Talent Manager (NLI)
Silas Blackned	Observer	Liaison Agent (NLI)
Anna Krupa	Observer	Environmental Analyst (CNG)
Matthew Tanoush	Observer	Director of Land and Sustainable Development
Isaac Gauthier	Observer	Animator (TES)
Laurianne Francoeur	Observer	Note taker (TES)

This environmental committee meeting was held in a hybrid format. Denis, Vincent, Walter, Anderson, Tina, Silas, Isaac, and Laurianne joined the meeting in person in the hotel Four Points in Gatineau. Aurora, Anna, and Matthew joined the meeting online.

Meeting Agenda

Item #	Description
1	Opening and Introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field
6	Presentation of the revegetation research by Université de Sherbrooke
7	Wildlife Monitoring efforts (Tallyman Request)
8	Updates on permitting
9	Summary of actions
10	Next meeting

Item #1. Opening and Introduction

The meeting begins at 1:23 p.m. with a proposal from the facilitator to say a prayer. Anderson volunteers and prays in Cree.

The meeting continues with the presentation of the agenda. Anderson then asks if the minutes of the meetings will be available for the public. Tanya adds that they should be, but members should also be able to give information off the record. Isaac agrees while mentioning that there should be consistency between the various committees. Tanya underlines that care should be taken when publishing the WIC minutes since more confidential information will be shared. The members agree to share the environmental committee meeting minutes. Vincent asks what would be the best channel for sharing the meeting minutes, to which Anderson suggests that Silas be the channel. The members agree with the proposal and NLI's team mentions that the minutes will also be added to their website.

Anderson and Walter ask about the fish in Basin 10, namely how they arrived there and if they still are in the basin. Vincent explains that they are Sucker Fish, a specie that does not need a lot of water to travel. He also adds that NLI did not pump water in the basin, therefore the fish were not introduced into the basin by human activities. The members are surprised by this natural event as they never witnessed anything similar.

Item #2. Approval of the proposed Meeting Agenda

Isaac presents the link to access the document. He states that it will still be available after the meeting. No other comments are made.

Item #3. Previous Meeting Follow Ups

The previous meeting follow-ups are presented.

Send a survey to determine the environmental symposium date in March: In progress

Vincent discusses anew the revegetation research project, as the researchers Sebastien Roy and Nicole Fenton from the University of Quebec in Abitibi-Témiscamingue, who are responsible for the revegetation project, both agreed to make a presentation at the environmental symposium on their research. Specifically, Sebastien Roy works on mining site biodiversity revitalization and Nicole Fenton works on Eeyou Istchee's biodiversity. Vincent repeats that the symposium will be organized by NLI, but it will discuss different environmental projects and issues in the area not exclusive to the company or the Whabouchi Project. It is agreed that a Doodle link will be sent to find the best date to hold the event. Anderson suggests that important environmental actors, such as David Suzuki, be invited to the symposium. He adds that he met him at the COP15 biodiversity conference in Montreal, that he has already visited Nemaska, and that his input would be very interesting. It is agreed that an invitation will be sent.

Anna mentions that she contacted the researchers of the eDNA Project, following Kelly's departure from the CNG. She adds that she will also join the February meeting with Vincent.

Isaac and Vincent share a quick explanation of the symposium to Aurora since she is new to the committee.

Share Vincent and Denis' contact information with Anderson Jolly: Done

The contact information was shared on October 31st. No comments or questions are made.

Organize a site visit with Matthew Tanoush: Done

Vincent makes a quick recap of the recent mine visit. Matthew thanks Vincent for the warm welcome and mentions that he found the visit very interesting and was able to learn a lot about the new technologies used at the mine site. Vincent repeats that every member and observer can call the mine for a visit since an employee is always onsite.

Present details about the permanent camp's construction, including water discharge: In progress

Vincent goes on by specifying that the mine is still in the engineering phase. He mentions that there are no new developments and assures that when there are more details, they will be shared with the committee. He further adds that concerns were raised at the last meeting about the domestic water pipes and the possibility of having them buried. He explains that the pipe burial is being analyzed by the engineering team.

Walter then asks if the camp will be at the mine site. Vincent answers that it will indeed be onsite.

Bear management at the mine site – Improve bear trap device: In progress

Vincent continues by mentioning that the bear traps were shown to the tallyman, James Wapachee. He pointed out that the currently used model is not optimal. The team is currently working with the tallyman to improve the trap.

Walter suggests monitoring the bears after their capture to follow their movement. Vincent answers that the monitoring of animals needs a specific permit, but that the possibility will be studied. Walter mentions that the monitoring could ensure that the same bears do not return to the site. Vincent thanks Walter for his input but emphasizes that no bears have been seen in the area. This option will still be looked at.

Anderson asks if the bear traps have battery-operating doors. Vincent answers that they do not, but that they should for safety reasons. Anderson mentions that other sites use battery operated bear traps to protect their employees. Vincent thanks Anderson for the suggestion.

Share Closure Plan for community review: In progress

Vincent continues by mentioning that the Closure Plan is only available in French for the moment. Since the document contains very technical and precise elements, he mentions that a summary will be prepared and could be presented at the symposium. Anderson then asks if copies could be distributed to the community so people can consult it and come back with questions later. Vincent agrees and mentions that the presentation does not have to be a PowerPoint, it could rather be a one-pager. Tina adds that a QR code could also be used to refer community members to the website and the relevant information. Anderson continues by saying that other companies have used USB keys containing the relevant documents on them. Vincent acknowledges the suggest and mentions that it will be looked at.

Aurora then asks if the symposium will be for the whole community. Vincent answers that it will indeed be for everyone. Anderson asks if the symposium will be one (1) or two (2) days. Tanya adds that depending on the number of presentations, three (3) days would be preferable. Anderson continues by mentioning that the event should be held in the evening to help working people attend. He also thinks that food should be served. Tanya also adds that a mix of presentations and information booths similar to the format used at the Québec Mine conference should be used to provide various types of presentations. Vincent agrees with the suggestion. Matthew then mentions that simultaneous translation should be used, if possible, to which Vincent answers that it will be possible. Tanya adds that Nemaska has the necessary technology. Vincent thanks Matthew and Tanya and mentions that if the community wishes simultaneous translation, it will be organized. Isaac then suggests that the topic be brought up at the next meeting, to plan the event. It is agreed.

Share plant species tested by the University of Sherbrooke (revegetation study): Done

It is mentioned that the topic is on the agenda and will be addressed later in the meeting

Item #4. Environmental updates and feedback from the field

The domestic wastewater treatment system is presented by Vincent, who mentions that the system has had a few hiccups recently. Due to the ongoing adjustments, the discharge will no longer pour into Lake 31 and will be contained in a tanker until it meets regulatory standards. He continues by mentioning that two (2) technicians specialized in water treatment are now working onsite to operate the treatment system. The supplier used to monitor the system remotely, but they could see the limit of this way of working.

Aurora asks what the maximum capacity of the thank is. Vincent answers that the tank has a capacity of 28 000 L. A back truck is emptying it every two (2) weeks. A pump is also available if necessary. The prior problem has been identified. A team is currently fixing the pipe.

Tanya asks if the presence of technicians onsite is a long-term solution. Vincent answers that for now, it is and that an action plan has being prepared by the technicians. The water is tested every day to make sure the system is working well. Tanya continues by asking if the technician position could be available for a Cree member of the community. Vincent answers that NLI currently has a contract with Nordikeau. He adds that Denis has met with the community's public service department, however, they did not have the necessary staffing. Tanya asks if a company in Nemaska could eventually have the opportunity to do this work. Vincent confirms that it could be a possibility, since NLI has a local purchasing policy encouraging this kind of partnership. Tanya suggests that a person from the community is hired by Nordikeau for onsite training. Vincent mentions that it is a possibility. Currently, there was an emergency that made it hard to implement the local purchasing policy. However, in the future, it will be considered.

Anderson mentions that at a previous job of his, the mine reused treated domestic water for its mining activities. Vincent mentions that this is an option.

Item #5. Revegetation project from the Université de Sherbrooke

Vincent presents the different plant species that are being tested including Labrador Tea, Sweet Gale, Jack Pine, White Birch, and Balsam Poplar. Labrador Tea, Sweet Gale and Jack Pine have the most promising results. Walter confirms that those species grow easily in the area. He continues by mentioning that a forest fire occurred a few years ago and from that fire, White Birch and Jack Pine have grown.

Vincent adds that the researchers are also looking to reduce the amount of transportation needed for the revegetation. Usually, the process needs a lot of dirt being transported, which causes significant greenhouse gas emissions. Vincent continues by saying that the researcher, Sebastien Roy, will be presenting his project at the symposium.

Anderson mentions that a similar study has been made by another mining company, using a waste truck. It could be interesting to share the results. Vincent thanks Anderson and mentions he will discuss the topic with Sebastien Roy.

Matthew adds that his team is open to working with the university research team. It was supposed to be done last summer but a shortage of manpower made it impossible. He mentions that solutions will be put in place for next year. Vincent answers that the next three (3) years of funding are planned even if Cree participation is more difficult than hoped. Also, Silas will be able to help engage people in the program and the symposium presentation will also likely interest people.

Item #6. Wildlife Monitoring (Tallyman Request)

Vincent explains the wildlife monitoring table (available in Appendix 1). The third column indicates the monitoring required throughout the mine's lifetime.

Fishes

Every three years, fish will be caught to test the presence of heavy metals in the flesh. Vincent mentions that NLI's activities are not likely to cause heavy metal contamination, however, the monitoring will be done to meet regulatory requirements. He continues by mentioning that NLI is working on a compensation plan. The habitat is also monitored to enable revitalization.

Anderson asks in which lake will the fish be taken from. Vincent answers that it will be done in every lake located on the company's property, same as for the project's Impact Assessment.

The benthic specie monitoring in the Nemiscau river will also be made. Aurora asks why there is no specific sturgeon monitoring, to which Vincent answers that he will verify. He thinks that it may be because no sturgeons were caught previously and therefore the specie is not present in the area. Walter confirms that there is no sturgeon in the area. Vincent thanks Walter for his input and he will verify the information for the next meeting. Walter continues by asking if the fish will be tagged during the monitoring work to track their movements, as is often done. Vincent answers that NLI's project is a localized project and should not affect the ecosystem in a way that warrants fish tracking. The team is using a different approach by catching the fish and releasing them after

analyzing individual and fish population health. Walter continues by saying that the movements are important to track to know where the food sources are located.

Bats

Visual counts were made for the last two (2) years, showing a reduction in the bat populations in the area. A monitoring of the bat echolocations will be done to determine if this is a trend. While bats were visually identified, they do not use the bat maternity near the site.

Birds

Visual counts are made daily to monitor endangered species and migratory birds near the mine. At Spodumene Lake, the monitoring is made twice a year.

Micromammals

Vincent explains that the micromammal monitoring will be done every two years. Tanya then asks if the monitoring is site only or if it covers the surrounding area. Denis answers that the monitoring is flexible. For the moment, it is only planned on-site since the current monitoring requirements are not the same as for the Impact Assessment. Vincent adds that NLI is open to doing more than the minimum required. He adds that the inventory maps showing where they will be undertaken will be shown at the next meeting. Walter adds that he would also like to discuss fish population health, which the members agree too. Vincent asks him if he spoke with Hydro-Quebec's team about his concerns. Walter answers that he only spoke with Neskimau, and that he sends his fishing results to the monitoring committee.

Amphibian and Reptiles

The monitoring will be made every two years. No questions are asked.

Benthic organisms

The monitoring will be made annually at the mine effluent in the Nemiscau River. No questions are asked.

Mammals

The monitoring will be made daily through direct and indirect observations.

Anderson asks, in general, in what season is the monitoring done. Vincent answers that he will check, since there is a lot of wildlife monitoring undertaken.

Aurora asks if the wildlife reports will be shared with the committee. Vincent answers that an annual report will be shared with the COMEX and that the report will also be available on the Teams channel. Laurianne will make sure that Aurora has access to the channel.

Anna leaves the meeting due to other obligations.

Item #7. Update on permitting and regulatory affairs

Vincent presents the permitting and regulatory oversight for the Whabouchi Project (Appendix 1). A

total of four (4) organizations have environmental oversight responsibilities in the Eeyou Itschee region, namely the COMEX, the federal Impact Assessment Agency, the Quebec Ministry of the Environment, Fight against Climate Change and the Eeyou Istchee James Bay Regional Government. Vincent continues by showing the mining site's layout and its surrounding and the project's timeline (Appendix 1).

Tanya asks why NLI plans to build an expansion to the construction camp and then build a permanent camp. Denis answers that the expansion will be used by the construction workers that build the permanent camp. He continues by saying that the permanent camp construction was planned over a longer period in order to use fewer workers, as it is cheaper and safer.

Walter asks if the workers from Nemaska will be able to stay at the camp. Denis answers positively, as it will help with employee integration and create a sense of belonging in the team. Moreover, the travel between the mine site and the village can be dangerous after long shifts. For safety reasons, the workers will be encouraged to stay at the camp.

Vincent continues by presenting the permits issued and in process. He also presents the documents that were filed with the regulators. The links available in the PowerPoint presentation will also be sent by email to the members.

Finally, Vincent explains the next steps in term of permitting. He briefly provides information about the modifications that will be made to the ore processing plant, more specifically to the crushing circuit. He mentions that the permit application for the modification of the crushing circuit is under preparation and an English summary of the application will be shared with the EC members for comments. He also mentions that the permit application for the water treatment unit for the BC-10 basin is under preparation and will follow the same path.

Vincent mentions that each change to the project requires permitting updates and a review of the local impacts. Walter asks if the permitting process generates costs for the company. Denis answers that administrative costs are included in the permitting process.

Tanya suggests that Vincent and Denis present NLI's new logo. Vincent explains the meaning of the two circles that come together, which represent the north and the south united in the same project while also representing the energy transition and circular economy that are integral to the project.

Item #8. Summary of actions

The actions are the following:

Discuss the symposium planning	All members
Send a Doodle for the symposium event	LF
Verify the presence of sturgeon in the mine area	VP
Present the wildlife inventory maps	VP
Discuss fish population health	All members
Verify at what time of the year monitoring is done	VP
Give access to the team channel to Aurora Maria Hernandez	VP
Send the permit links to the members by email	LF and VP

Item #9. Next Meeting

It is agreed that the symposium will be held in March. The next committee meeting will be in early February. Members are open to holding the meeting in Nemaska or in Montreal. A full day will be scheduled to discuss the symposium's planning.

Environmental Committee

Hybrid Meeting

Gatineau and Virtual Meeting

Nemaska Lithium

Meeting Agenda

1. Opening
2. Proposed Meeting Agenda
3. Approval of the previous Meeting Minutes
4. Previous Meeting Follow-Ups
5. Environmental Updates et Feedback from the Field
6. **Discussion**: Plants Tested by the Université de Sherbrooke Team
7. **Discussion**: Wildlife Monitoring Efforts (Tallyman Request)
8. Update on Permitting and Regulatory Affairs
9. Summary of Actions
10. Next Meeting
11. End of the Meeting

Opening

Nemaska Lithium

EC Members & Alternates

Cree Members

Walter Jolly, Councillor at Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member - Cree Nation of Nemaska
Anna Krupa, Environmental analyst at the Cree Nation Government (interim)

Transfert Environnement et Société

Isaac Gauthier, Facilitator
Laurianne Francoeur, Notetaker

Nemaska Lithium Members

Vincent Perron, Senior Director – Environment and Stakeholder Relations
Denis Isabel, VP – Sustainable Development

Approval of Previous Meeting Minutes

Minutes of October 25th 2022

Nemaska Lithium

Previous Meeting Follow-Ups

ITEMS	ACTIONS	STATUS
1	Send survey to determine environmental symposium date in March	In Progress
2	Share Vincent and Denis' contact information with Anderson Jolly	Done
3	Organize a site visit with Matthew Tanoush	Done
4	Present details about the construction of the permanent camp, including water discharge	In Progress
5	Bear management at the mine site – Improve bear trap device	In progress
6	Share closing plan for community review	In progress
7	Share plant species tested by the University of Sherbrooke (revegatation study)	Done – Will be presented today

Environmental Updates et Feedback from the Field

- **Domestic wastewater treatment system**

  - ✓ Non-compliance of the effluent based on November monitoring results
  - ✓ Effluent is now contained in a tanker untill it meets the regulatory standards
  - ✓ Action plan developed by experts and mobilization of technicians specialized in water treatment on each rotation (Nordikeau)
  - ✓ Notification of Regulatory Agencies

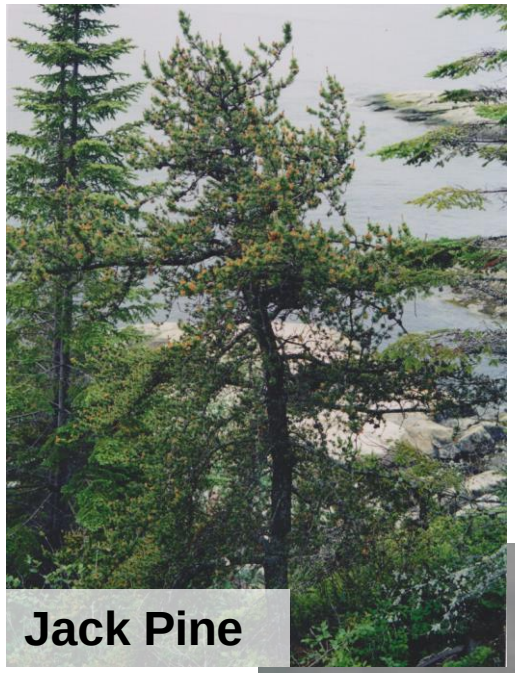
MABAREX

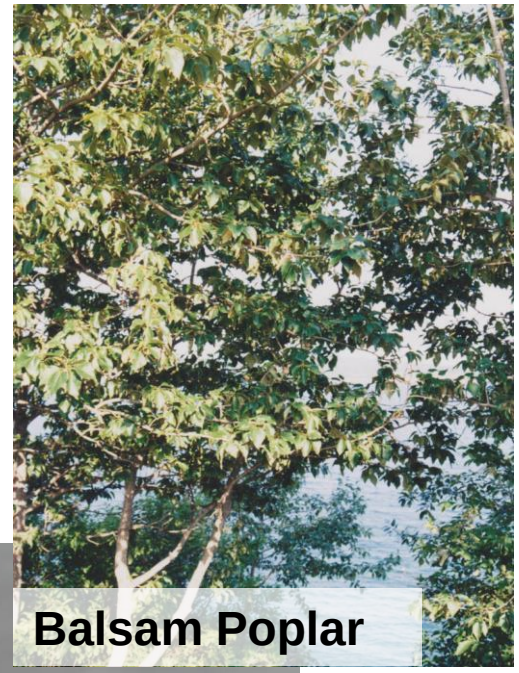
NORDIKEAU
La vie à l'état pur

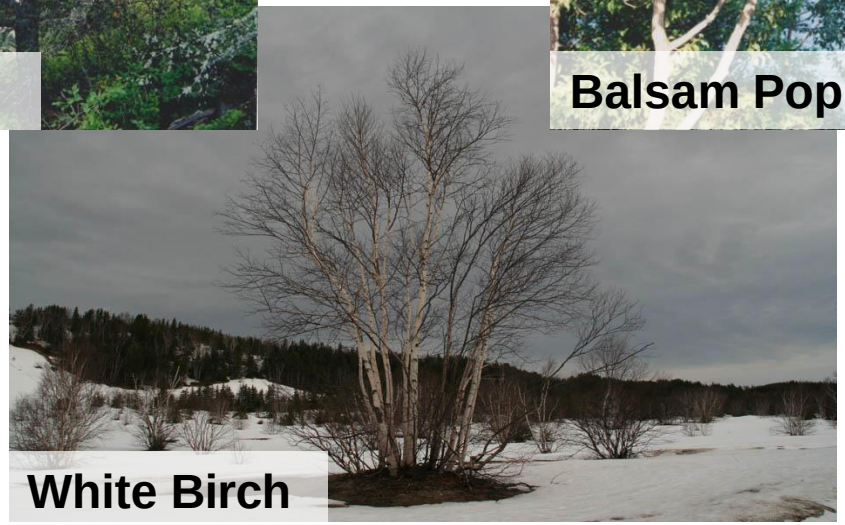
Revegetation Project (UdS): Plant Species

Labrador Tea

Sweet Gale


Jack Pine


Balsam Poplar


White Birch

Wildlife Monitoring Effort (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Fish • Walleye • Brook Trout • Northern Pike • Lake Whitefish • Others	☑ Fish inventory in every lake, stream and river on and around the mining site ☑ Inventory of fish habitats (spawning sites, nursery, etc.)	☑ Three-yearly monitoring of heavy metals in fish flesh (Walleye, Lake Whitefish, Northern Pike) ☑ Monitoring of spawning sites for Walleye and Brook Trout ☑ Monitoring of fish population in lakes 2, 27 and 28 ☑ Multi-year monitoring of fish habitat compensation projects
Bats	☑ Bat inventory on and around the mine property	☑ Monitoring of the Spodumene Lake bat maternity
Birds	☑ Bird inventory on and around the mine property	☑ Two-yearly monitoring of bird populations in the Spodumene Lake Peatland ☑ Daily monitoring of migratory birds / endangered bird species at the mine site (register)
Micromammals • Voles • Mice	☑ Micromammal inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Amphibians & Reptiles • Snakes • Frogs and Salamanders	☑ Amphibian and reptile inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Benthic organisms • Insects • Crustaceans	☑ Benthos inventory in lakes 1, 2, 3 and Spodumene Lake	☑ Annual monitoring of the benthic organisms at the mine effluent in the Nemiscau River

Wildlife Monitoring Effort (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Mammals • Bear • Wolf • Moose • Fox • Woodland Caribou • Beaver • Squirrel • Snowshoe Hare • American Marten • River Otter • Mink • Etc.	☑ Aerial inventory (10 km radius around the mine site) ☑ Ground observations ☑ Ground inventory	☑ Daily monitoring of wildlife at the mine site (direct and indirect observations)

Update on Permitting and Regulatory Affairs

la Convention de la Baie James et du Nord québécois
Comité d'examen des répercussions sur l'environnement et le milieu social

Environnement et Lutte contre les changements climatiques
Québec

Gouvernement régional d'Eeyou Istchee Baie-James
Eeyou Istchee James Bay Regional Government

Environmental and Social Impact Assessment (ESIA)

Certificate of Authorization (COMEX)

37 conditions

10 modification requests over the last 6 years

Decision Statement (IAAC)

++ conditions under 10 topics

Obligation to assess the impacts of the modifications made to the project

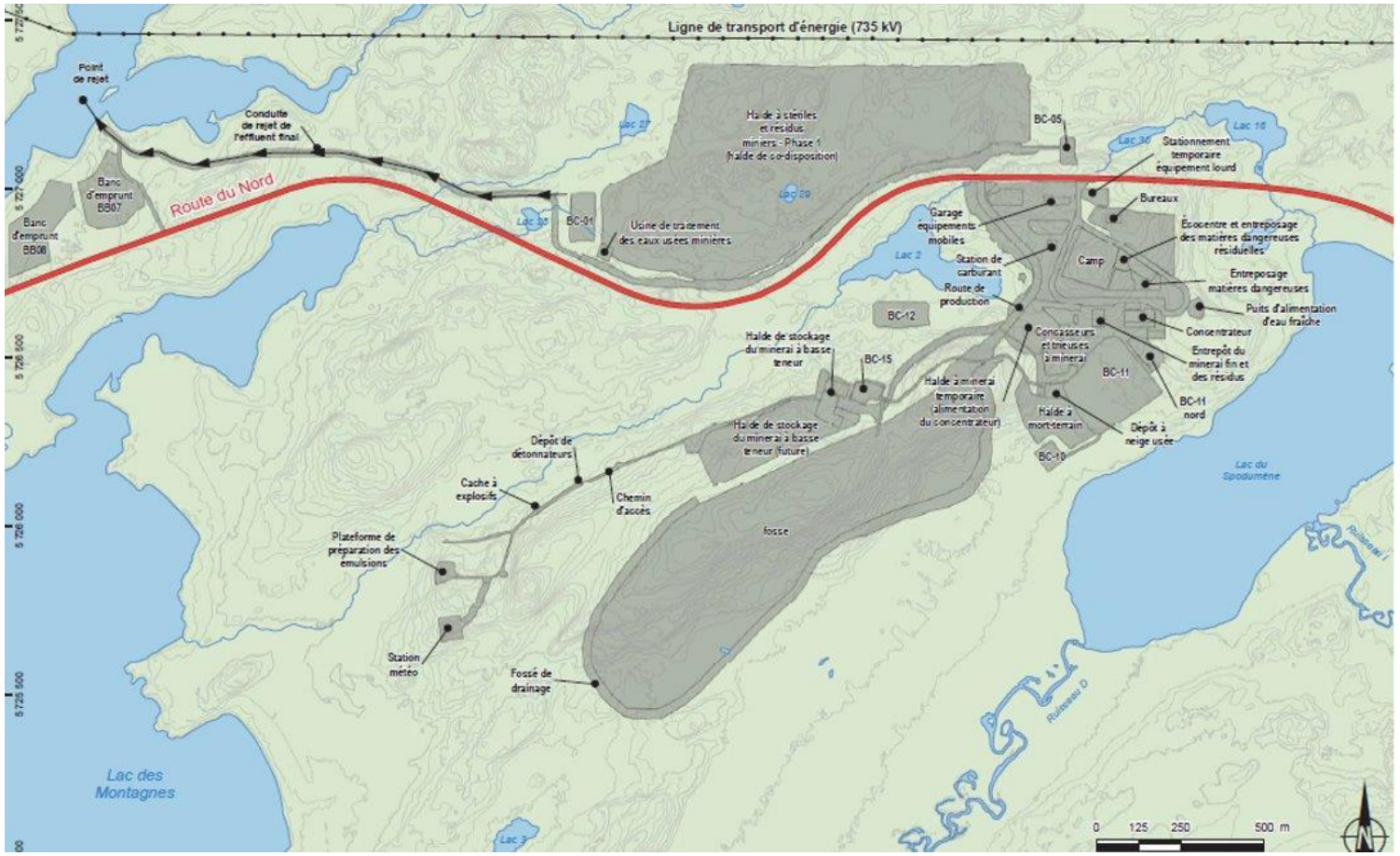
Main Authorizations Delivered:

- ✓ Site preparation
- ✓ Construction of an ore processing plant
- ✓ Exploitation of sand pits
- ✓ Installation of the final mining effluent pipe (Nemiscau River)
- ✓ Ground water withdrawal (mine pit dewatering)
- ✓ Operation of the Whabouchi mine
- ✓ Operation of a domestic water treatment plant

Main Permits Delivered:

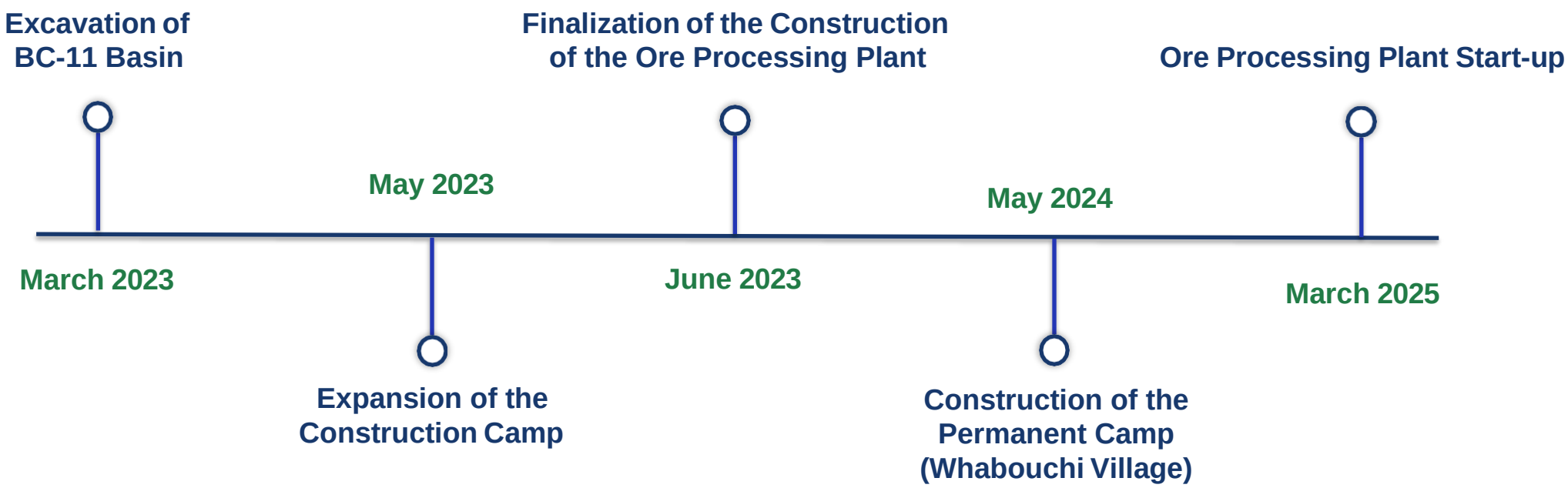
- ✓ Construction permits
- ✓ Fresh water network permit
- ✓ Domestic water network permit

Update on Permitting and Regulatory Affairs



Update on Permitting and Regulatory Affairs

Whabouchi Preliminary Schedule (starting dates)



Update on Permitting and Regulatory Affairs

PERMITS ISSUED

- No new permit issued since the last meeting

PERMITS IN PROCESS

- No new permit in process since the last meeting

REPORTS FILED WITH REGULATOR

- Annual report for the COMEX (results of the 2021 environmental and social monitoring program)
- Annual report for the IAAC
- Reports available here:
  COMEX - Annual Report
  IAAC - Annual Report

NEXT STEPS

- In the short term, prepare permit applications related to:
  - the expansion of the construction camp
  - the modification of the ore processing plant
  - the installation of a water treatment unit (BC-10 basin) to remove iron and suspend solids
- Other permit applications will be prepared in 2023

Nemaska Lithium

Nemaska Lithium

Appendix 3
2022 Annual Report of the Environmental and Social Monitoring Program (ESMP)

Whabouchi Mine
Environmental and social monitoring program
Annual Report
2022

Nemaska Lithium Inc.
April 2023

Summary

The Whabouchi Project of Nemaska Lithium Inc. consists of the mining and development of a spodumene deposit, a lithium-rich mineral. The Whabouchi Project is located in the territory of the Regional Government of Eeyou Istchee James Bay (GREIBJ), 30 kilometers east of Nemiscau and 280 kilometers north of Chibougamau. The property's central geographic coordinates are as follows: longitude 75° 51' W and latitude 51° 40' N. It is directly accessible via the Route du Nord.

The overall objective of the Environmental and Social Monitoring Program (ESMP) is to measure, observe, and document any changes (natural or project-related) in the environment in relation to the baseline, to verify the accuracy of the environmental assessment, and to evaluate the effectiveness of mitigation measures. This follow-up allows Nemaska Lithium to meet its commitments to the various government authorities and communities.

The ESMP was provided to the Cree partners, the Cree community of Nemaska and the Cree Nation Government (CNG). Comments were received from the CNG and COMEX in 2017 and 2018 so that all of the comments from our Cree and provincial partners could be reflected in the revised version submitted to COMEX in March 2019. Further modifications may be made and we expect to submit a final version of the ESMP to the COMEX before the start of mining operations (schedule to be defined).

Recall that since December 23, 2019, all construction work has been suspended and crews demobilized. Since this temporary shutdown, a small team has been providing general care and maintenance of the mine site. This shutdown period also allows for the upgrade of the engineering studies for the entire project. Thus, during the year 2022, some work crews were present at the site on an ad hoc basis for maintenance work, research projects or other site assessment work. Construction work are planned to resume in 2023.

During this third year of asset maintenance, some follow-ups of the biophysical environment were carried out in order to maintain a consistency in the accumulation of collected data.

The present document constitutes a complete report of the follow-ups carried out for the year 2022.

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Appendix 3	NMX P8	Groundwater
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Appendix 6	NMX B9	Wildlife species of interest and opportunistic wildlife observations
Appendix 7	NMX H6	Involvement of the Cree in the monitoring

Appendix 1
Quality of surface water (NMX P3)

Nemaska Ressources

Environmental Monitoring Report for the 2022 Whabouchi Spodumene Mine Project

Surface Water Quality
(NMX P3)

Report Presented to:

Nemaska Lithium

March 16, 2023

Projet 121022001
(22-0186)

Realization Team

Nemaska Ressources

Nadine Marois, biologist, B. Sc.	Project management and writing
Rachel Hussherr, biologist, M. Sc.	Project leader – field work – writing
Jacinthe Daoust, wildlife technician	Field work – data compilation
Étienne Mercier, wildlife technician	Field work
Reekee House, Nemaska community	Field work
Gisèle Millette, geographer, M. Sc.	Mapping
Joanne Paris, administrative assistant	Editing

Prepared by :

<Signature removed>

Nadine Marois
Biologist, B.Sc.

Revision N°	Date	Description of modification | issue
01	2023-01-23	Draft version
02	2023-03-16	Final version

Scope and Limitations

This document is to be used for the sole purpose for which it was prepared. It is intended exclusively for the client for whom it was produced and is reserved for the exclusive use of its recipient. Any use by a third party without consent is strictly forbidden.

This document has been prepared with data collected in the field and information available on the various elements studied as of this report date. The technical analyses based on the interpretation of the various sections of the law and regulations in force are not and should not, at any time, be considered as legal advice or a substitute for such advice.

The maps bearing the Nemaska Ressources logo are the result of a compilation of information from public databases and inventory data collected in the field. They were not prepared by a land surveyor and should not be considered as such. Nemaska Ressources is not responsible for erroneous conclusions due to the deliberate concealment or unavailability of relevant information at the time the mandate was carried out.

The analyses developed in this document are presented for information purposes only and the final decision regarding the different intervention terms and the official protection zones are the responsibility of the *Ministère de l'Environnement et de la Lutte contre les changements climatiques du Québec* (MELCC) and/or other government departments and agencies (provincial, federal) or the municipality concerned.

Consequently, Nemaska Ressources shall not be liable for any work undertaken on the environment before all necessary authorizations have been obtained, nor for any damages suffered by a third party as a result of a decision made or based on this report. Nemaska Ressources has no relationship with the client, nor any interest in the property under study. Nemaska Ressources ensures the integrity of the work performed by avoiding any conflict-of-interest situations.

Reference to Quote

Nemaska Ressources. 2023. Environmental Monitoring Report for the 2022 Whabouchi Spodumene Mine Project - Surface Water Quality (NMX P3). Project report 22-0186. 55 pages + appendices.

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List of Acronyms

IAAC	Impact Assessment Agency of Canada
CEAEQ	Centre d'expertise en analyse environnementale du Québec
CCME	Canadian Council of Ministers of the Environment
DOC	Dissolved organic carbon
TOC	Total organic carbon
DIC	Dissolved inorganic carbon
CPC(E)	Contamination prevention criteria (water)
CPC(EO)	Contamination prevention criteria (water and aquatic organisms)
CVAA	Quality criteria for the protection of aquatic life (acute effect)
CVAC	Quality criteria for the protection of aquatic life (chronic effect)
BOD_5	Biochemical oxygen demand 5 days
COD	Chemical oxygen demand
ESIA	Environmental and Social Impact Assessment
ESEE	Environmental Effects Monitoring
MDL	Method detection limit
RDL	Reported detection limit
MDDEP	Ministère du Développement durable, de l'Environnement et des Parcs
MDDELCC	Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques
MELCCFP	Ministère de l'Environnement et de la Lutte contre les changements climatiques, de la Faune et des Parcs
MES	Suspended solids
APAL	Accreditation Program for Analytical Laboratories
PRAA	Quality criteria for the protection of recreational activities and aesthetic aspects

1 Introduction

Nemaska Lithium's Whabouchi Mine project consists of developing a deposit of spodumene, a lithium-rich mineral. The Whabouchi Mine is located along the Route du Nord, on the territory of the Regional Government of Eeyou Istchee Baie-James (GREIBJ), 30 kilometres east of Nemiscau and 280 kilometres north of Chibougamau (Map 1).

In its Environmental and Social Impact Assessment (ESIA), Nemaska Lithium committed to conducting surface water quality monitoring (Nemaska Lithium, 2013; Roche ltée, 2014a and 2014b). This is the NMX P3 follow-up of the Whabouchi Mine Environmental and Social Monitoring Program (Norda Stelo, 2019). This follow-up must respect the guidelines appearing in Appendix 5 entitled *Environmental Effects Monitoring (EEM) of the Metal and Diamond Mining Effluent Regulations (SOR/2002-222), as well as those of the Metal Mining Technical Guidance for Environmental Effects Monitoring* (Environment Canada, 2012).

Surface water quality monitoring is also required under the requirements set forth by the MELCCFP and the federal government in the following two documents:

- Comprehensive Certificate of Authorization from the Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques. (Reference 3214-14-052, issued September 8, 2015) (MDDELCC, 2015):
  - Condition 30: The proponent shall integrate into the environmental monitoring program provided for in condition 24, a follow-up of the quality of the surface water of Mountain Lake. Total trace phosphorus (CEAQ method MA. 303-P 5.2), chlorophyll α and water transparency (with a Secchi disk) shall be measured. Sampling stations should be selected to assess the extent of the impact of the final effluent. Triplicate samples, or at least duplicate samples, should be taken at a frequency of once a month during the thaw period. If the weather does not permit three sets of samples, the proponent shall adjust the sampling frequency to meet this objective.

- **The Canadian Environmental Assessment Agency's Statement of Decision issued under Section 54 of the Canadian Environmental Assessment Act, 2012, issued on July 29, 2015 (CEAA, 2015):**
  - 3.7 The developer shall implement the following monitoring programs for fish and fish habitat: [...]
    - 3.7.4 Annual surface water quality monitoring of Lake Spodumene and Lakes 1, 2, 18 and 28 to verify the accuracy of the environmental assessment with respect to water quality. Follow-up begins with construction and ends five years after the decommissioning phase. The follow-up program includes the following:
    - 3.7.4.1 Analysis of substances listed in Schedule 4 (column 1) and subsection 4 (1) of Schedule 5 of the Metal Mining Effluent Regulations and lithium and beryllium;
    - 3.7.4.2 Comparison of measured concentrations to aquatic life protection criteria (chronic effect) as defined in the Quebec government's Surface Water Quality Criteria and the Canadian Council of Ministers of the Environment's Canadian Water Quality Guidelines for the Protection of Aquatic Life

1.1 Mandate and Objective

The general objective of the environmental follow-up program is to measure, observe, and document any changes (natural or project-related) in the environment in relation to the baseline, to verify the accuracy of the environmental assessment, and to evaluate the effectiveness of the mitigation measures proposed as part of the project's environmental assessment. This follow-up allows Nemaska Lithium to meet its commitments to the various government authorities and communities.

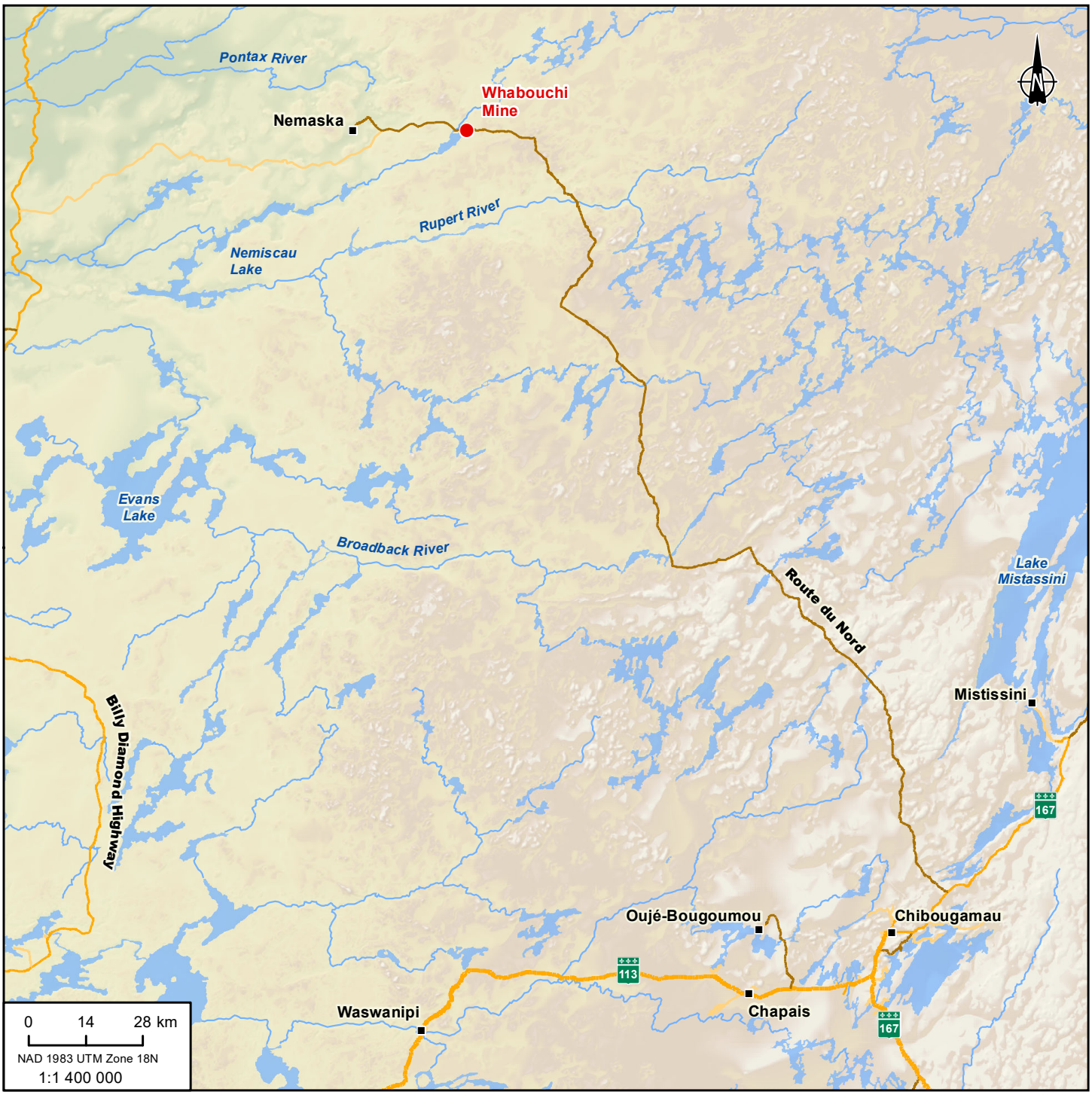
The main objective of the NMX P3 surface water monitoring is to study the evolution of water quality in the Whabouchi project study area and to detect early any changes that could be attributable to the project itself or to natural factors (hydrology, climate, etc.) (Norda Stelo, 2019). As the mine site is currently in the construction phase, the 2022 monitoring is also intended to accumulate additional data to refine the pre-mining baseline.

Specifically, this monitoring aims to achieve the following objectives:

- Measure changes in the quality of surface water in the receiving aquatic environment, in areas potentially influenced by mining infrastructure and activities and in control areas.
- Validate the predictions of the modelling of the dilution of the final effluent in the Nemiscau River.
- Evaluate the effectiveness of the design (mine wastewater management system as well as tailings, waste rock and ore management infrastructure) and mitigation measures implemented to minimize the project's impacts on the aquatic environment and, if necessary, adjust the mitigation measures.
- Ensure that adequate habitat quality is maintained for aquatic wildlife and that use of the aquatic environment for land users (swimming, fishing, boating, drinking water, etc.) are preserved.
- Obtain environmental variables to facilitate the interpretation of benthos and fish monitoring results from the *Environmental Effects Monitoring of the Metal Mining Effluent Regulations*.

1.2 Study Area

Surface water quality monitoring includes fourteen stations located in Mountain Lake, Spodumene Lake, Lake 1, Lake 2, Lake 18 and Lake 28, as well as in the Nemiscau River and at the mouths of C, D and unnamed creeks (Map 1).



Map 1

Location of the Whabouchi Mining Project

Infrastructure

- Whabouchi Mine

Hydrography

- Permanent Watercourse
- Waterbody

Road Network

- National Road
- Collector Road
- Local Road
- Access Road

Data Sources:
BDGA 1:1 000 000, MERN Québec, 2020
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022

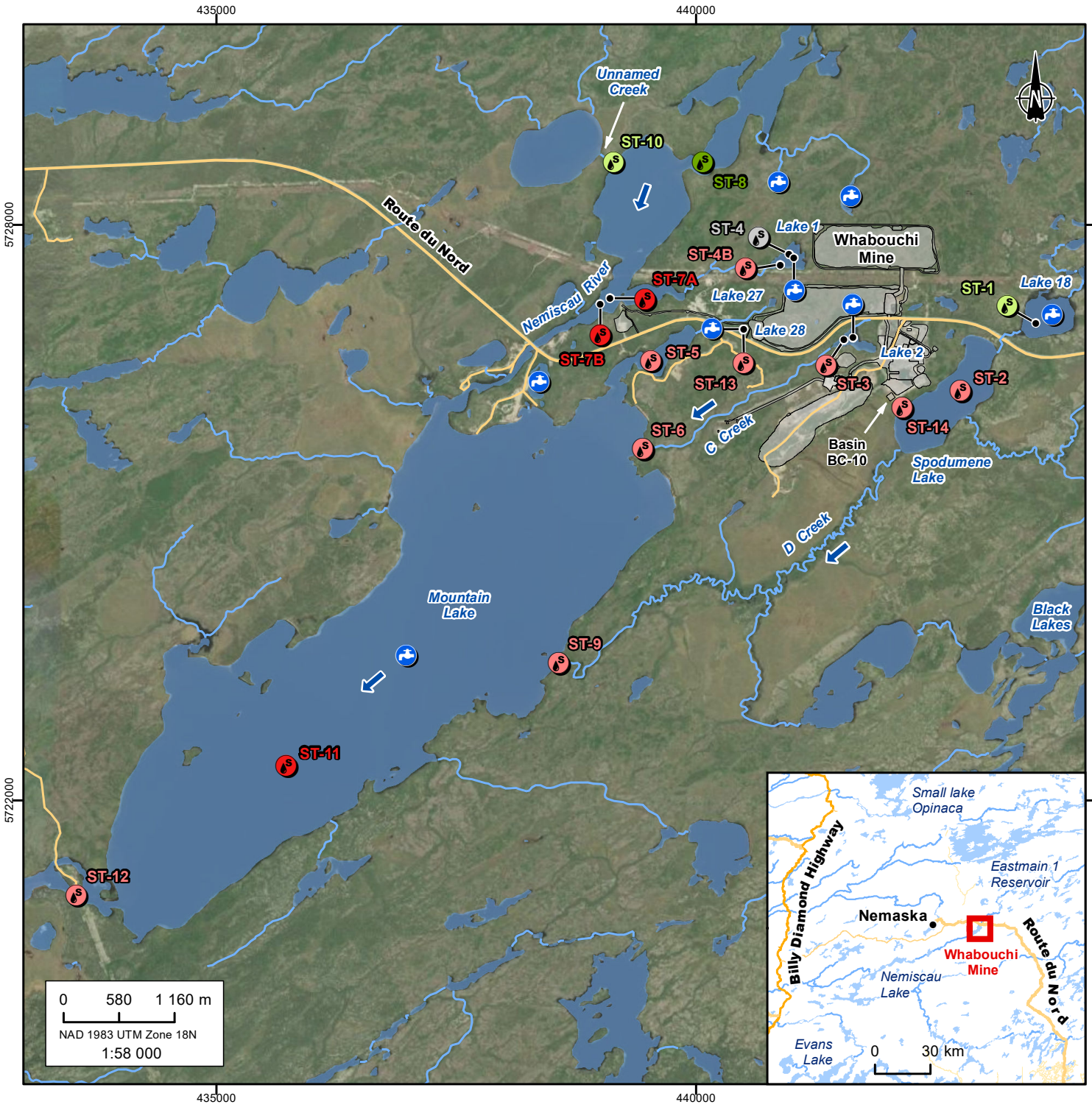
Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium

Nemaska Ressources



Map 2

Location of Sampling Stations

Hydrography

- Flow Direction
- Drinking Water Intake
- Permanent Watercourse
- Waterbody

Road Network

- Main Road
- Local Road

Infrastructure

- Whabouchi Mine

Surface Water Sampling Station

- Reference Area - Surface
- Reference Area - Surface and bottom
- Exposed Area - Surface
- Exposed Area - Surface and bottom
- Exposed Area - Surface (inaccessible)

Data Sources:
Géobase du réseau hydrographique du Québec, MERN Québec, 2019
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Surface Water Quality (NMX P3)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2 Methodology

2.1 Sampling Period and Stations

Surface water quality monitoring includes fourteen sampling stations. The characteristics of the stations and the geographic coordinates of each station are presented in Table 1.

Among the fourteen stations, six of them (ST-5, ST-7A, ST 7B, ST-8, ST-11 and ST-12) are sampled monthly during the open water period (generally from June to November), while all the stations are sampled four times a year during important hydrological events, i.e. during spring and fall floods and during summer and winter low water periods. However, since the Whabouchi Mine site is not currently in operation, only two monitoring events were conducted in 2022[1]. A fifteenth station (ST-14) located where water from the BC-10 drainage basin reaches Spodumene Lake via the bog of the same name was formally added to the monitoring program in 2022 in order to validate that potentially contaminated water from the BC-10 basin does not affect Spodumene Lake in the short, medium and long term.

It should be noted that only the 2022 results are discussed in this report. The results obtained in 2022 are compared to the results of the previous years of monitoring (2018, 2019, 2020, 2021 - Nemaska Resources 2019, 2021 and 2022) as well as to the results of the baseline study (Roche ltée, 2014c).

In 2022, water quality monitoring sampling campaigns were conducted during the following periods. These were designed to capture distinct hydrological conditions, namely the end of the spring freshet and the summer low flow period:

- Monitoring at the end of the spring freshet period (June 1 to June 4, 2022)
- Monitoring during the summer period (July 28 to July 31, 2022)

[1] Unlike 2021, when only one sampling campaign took place, two sampling campaigns were conducted in 2022 to ensure that if issues with sample management or laboratory analysis reoccurred in 2022, as they did in 2021, we would have at least a second set of results to form a complete set.

Table 1. Description of Surface Water Sampling Stations at the Whabouchi Mine Project

Station	Coordinates		Location	Comment
	Latitude	Longitude		
Exposed area (potentially affected by mining activities)				
2	51,68450330	-75,82809419	Spodumene lake	Lake potentially affected by the project
3	51,68913443	-75,84575924	Lake 2	Lake enclosed by future infrastructures.
4B[1]	51,6961	-75,8555	Lake 1	Lake potentially affected by the project. Drinking water source.
5	51,68694635	-75,87481730	North Bay, Mountain Lake	Bay receiving waters from watershed 5.
6	51,67871007	-75,87584502	Mouth of C Creek	Lake 2 outfall and watershed 4 integrating station (including Lake 2).
7A	51,69280405	-75,88103061	Nemiscau River	Station located in the area most exposed to the proposed effluent (near the zone). Surface and near-bottom sampling. Drinking water source. Station in the area exposed to the mine effluent corresponding to the biological EEM station.
7B	51,69222169	-75,88252227	Nemiscau River	Station located in the proposed effluent exposure zone near the edge of the mixing zone (remote zone). Surface and near-bottom sampling. Drinking water source. Station in area exposed to mine effluent corresponding to the biological EEM station.
9	51,65856091	-75,88817180	Downstream portion of creek D	Watershed 3 integrating station.
11	51,64859229	-75,92902223	Mountain Lake	Downstream area of Mountain Lake. Surface and near-bottom sampling. Drinking water source.
12	51,63621590	-75,96031191	Outlet of Mountain Lake	Downstream area of Mountain Lake. Surface and near-bottom sampling. Drinking water source
13	51,68995721	-75,86088728	Lake 28	Lake potentially affected by the project. Drinking water source.
14	51,683	-75,8371	Spodumene lake	Exit from BC-10 contaminated basin into Spodumene Lake. Station added in 2022.
Reference area (not affected by mining activities)				
1	51,69088191	-75,81681862	Lake 18	Reference station (control lake) of a lake located upstream from all sources of disturbance. Source of drinking water.
8	51,70566721	-75,86732375	Nemiscau River	Surface and near-bottom sampling. Reference station that corresponds to a EEM biological station.

Station	Coordinates		Location	Comment
	Latitude	Longitude		
10	51,70557259	-75,88083094	Downstream portion of unnamed creek	Tributary of the Nemiscau River. Reference (control) station in a stream located in a watershed not affected by the project.

1 Station 4 is not fully accessible by truck since a 300 m portion must be done on foot. Given the equipment needed to sample the deepest part of the lake, we have opted for shore sampling for 2022. A boat could eventually be left on site permanently to sample this station.

2.2 Sampling Method

The sampling was carried out in accordance with the following documents:

- Sampling Guide for Environmental Analysis (MDDEP, 2008)
- Manual of Sampling Protocols for Water Quality Analysis in Canada (CCME, 2011)
- Surface Water Sampling Protocol for Trace Metal Analysis (MDDELCC, 2014)

Water samples were collected from the bow of an anchored motorboat after the motor was raised. Water samples were collected using a Kemmerer Model 1560 sampler, a clear 6.2-liter acrylic bottle specifically designed for trace metal sampling.

Photo 1. Kemmerer bottle used during the 2022 sampling campaigns for water sampling at a given depth. The weight allows the bottle to remain upright in the water column, despite the current.

At each sampling station, the following general information and *in situ* physicochemical measurements were first recorded:

- Sampler name
- Station name
- Water body type (stream or lake)
- Water body name
- Water sample collection date and time
- Weather conditions
- Water depth (measured with a depth gauge)
- Air and water temperature
- Water transparency (measured with a Secchi disk)
- Dissolved oxygen concentration (mg/L) and saturation (%)
- pH
- Specific conductivity (µS/cm)

This information was collected on the surface water monitoring sheets (NMX P3A and NMX P3B) provided in the Whabouchi Mine Environmental and Social Monitoring Program (Norda Stelo, 2019). In shallow water bodies (< 2 m; ST-6, ST-9, ST-10, and ST-13), *in situ* measurements were made in the middle of the water column. For water bodies with depths between 2 and 4 m (ST-3 and ST-4), two measurements were taken, one at 0.25 m below the water surface and another at 0.25 m above the bottom. At stations where the water depth exceeded 4 m (ST-1, ST-2, ST-5, ST-7A, ST-7B, ST-8, ST-11, and ST-12), a vertical profile of water temperature, dissolved oxygen, and conductivity was made by taking measurements at each meter of the water column.

Photo 2. Water Sampling on Mountain Lake in June 2022.

The physicochemical measurements were performed using a *YSI Pro DSS* multi-parameter probe with a 60 m long cable, rented from Hoskin Scientific. This probe was previously calibrated by the supplier and its calibration certificate was provided. In addition, the probe was recalibrated at the beginning of each day of use for dissolved oxygen readings.

The collected water samples were then stored at 4°C in coolers equipped with ice packs and transferred to refrigerators until they were sent by road to the Bureau Véritas laboratory in Quebec City, which is accredited by the MELCC in accordance with the standards and requirements of the Accreditation Program for Analytical Laboratories (APAL) and the ISO/CEI 17025 standard.

Photo 3. Example of a surface water sampling bottle kit - part 1

Photo 4. Example of a surface water sampling bottle kit - part 2

The list of surface water quality parameters for which the collected water samples were analyzed is presented in Table 2. In 2021, only one surface water quality monitoring was conducted in September. The detection limits shown in this table are those used by the laboratory during the analyses, which are the standard limits for this type of study.

The retention times for the parameters to be analyzed, as presented in the document Retention Periods for Surface Water Sampling - DR-09-10 (CEAEQ, 2012), were followed as much as possible. Indeed, most of the parameters analyzed have relatively long retention times (7 days or more). A few parameters have shorter retention times ranging from 24 h (pH) to 48 or 72 h (dissolved inorganic carbon (DIC), dissolved organic carbon (DOC), total organic carbon (TOC), chlorophyll α, biochemical oxygen demand (BOD5), nitrate, nitrite, and turbidity). It is sometimes difficult to meet the deadlines for these types of parameters in remote areas, and even impossible for all practical purposes for pH. For this reason, only the pH measured *in situ* are considered in the analyses. When the time limits for the sample conservation could not be respected for a given parameter, the laboratory mentions it in its certificate of analysis (Appendix 1).

The year 2022 represents the fifth year of this monitoring conducted during the construction phase.

Table 2. Parameters Analyzed for Surface Water Monitoring NMX-P3 in 2022

Parameter	Unit	Detection limit	Sampling
Basic physiochemical parameter			
Total alkalinity pH 4,5	mg CaCO3/L	1,000	
Dissolved inorganic carbon (DIC)	mg/L	0,20	
Dissolved organic carbon (DOC)[2]	mg/L	0,20	
Total organic carbon (TOC)	mg/L	0,20	
Specific conductivity	µS/cm	± 1,000	*In situ* measurement
Biochemical oxygen demand (BOD_5)	mg/L	2,0	
Chemical oxygen demand	mg/L	5,0	
Total hardness	µg CaCO3/l	40	
Suspension solids (SS)	mg/L	0,21	
Dissolved oxygen	mg O_2/L	± 1,000	*In situ* measurement
Dissolved oxygen saturation	%	± 0,100	*In situ* measurement
pH	pH unit	± 0,200	*In situ* measurement
pH	pH unit	-	Laboratory measurement
Water transparency	m	-	*In situ* measurement
Total dissolved solids (TDS)	mg/L	10	
Total solids	mg/L	10	
Water and air temperature	°C	± 0,200	*In situ* measurement
Turbidity	UTN	0,10	
Anions			
Bromide (Br^-)	mg/L	0,10	
Chloride (Cl^-)	mg/L	0,050	
Sulfates (SO_4^{2-})	mg/L	0,15[1]	
Fluorides (F^-)	mg/L	0,010	
Total sulfides (as S^{2-})	mg/L	0,020	
Nutrients			
Ammonia nitrogen (NH_3-N)	mg/L	0,020	
Nitrates (in N)	mg/L	0,020	
Nitrites (in N)	mg/L	0,020	

Parameter	Unit	Detection limit	Sampling
Nitrites and nitrates	mg/L	0,020	
Total trace phosphorus (in P)	µg/L	0,6[1]	Triplicate at all stations
Total Kjeldahl nitrogen (in N)	mg/L	0,40	
Extractable metals and metalloids			
Aluminum (Al)	µg/L	5,0	
Antimony (Sb)	µg/L	0,0050	
Silver (Ag)	µg/L	0,0030	
Arsenic (As)	µg/L	0,080	
Barium (Ba)	µg/L	0,030	
Beryllium (Be)	µg/L	0,010	
Bismuth (Bi)	µg/L	0,0090	
Boron (B)	µg/L	0,30	
Cadmium (Cd)	µg/L	0,0060	
Calcium (Ca)	µg/L	20	
Chromium (Cr)	µg/L	0,040	
Cobalt (Co)	µg/L	0,0080	
Copper (Cu)	µg/L	0,050	
Tin (Sn)	µg/L	0,050	
Iron (Fe)	µg/L	0,50	
Lithium (Li)	µg/L	0,10	
Magnesium (Mg)	µg/L	10	
Manganese (Mn)	µg/L	0,030	
Mercury (Hg)	µg/L	0,0013	
Molybdenum (Mo)	µg/L	0,010	
Nickel (Ni)	µg/L	0,030	
Lead (Pb)	µg/L	0,010	
Potassium (K)	µg/L	10	
Selenium (Se)	µg/L	0,050	
Sodium (Na)	µg/L	10	
Strontium (Sr)	µg/L	0,40	

Parameter	Unit	Detection limit	Sampling
Tellurium (Te)	µg/L	0,0050	
Thallium (Tl)	µg/L	0,010	
Titanium (Ti)	µg/L	0,40	
Tungsten (W)	µg/L	0,040	
Uranium (U)	µg/L	0,0010	
Vanadium (V)	µg/L	0,050	
Zinc (Zn)	µg/L	0,50	
Total extractable rare earth elements and rare metals			
Cerium (Ce)	µg/L	0,040	
Cesium (Cs)	µg/L	0,020	
Dysprosium (Dy)	µg/L	0,040	
Erbium (Er)	µg/L	0,020	
Europium (Eu)	µg/L	0,020	
Gadolinium (Gd)	µg/L	0,040	
Gallium (Ga)	µg/L	0,040	
Holmium (Ho)	µg/L	0,015	
Lanthane (La)	µg/L	0,020	
Lutetium (Lu)	µg/L	0,016	
Neodymium (Nd)	µg/L	0,040	
Praseodymium (Pr)	µg/L	0,010	
Rhenium (Re)	µg/L	0,040	
Rhodium (Rh)	µg/L	0,020	
Rubidium (Rb)	µg/L	0,020	
Samarium (Sm)	µg/L	0,030	
Scandium (Sc)	µg/L	0,020	
Terbium (Tb)	µg/L	0,010	
Thorium (Th)	µg/L	0,015	
Thulium (Tm)	µg/L	0,016	
Ytterbium (Yb)	µg/L	0,070	
Yttrium (Y)	µg/L	0,020	

Parameter	Unit	Detection limit	Sampling
Primary production			
Chlorophyll *a*	µg/L	0,100	Triplicate at stations 5, 7A, 7B, 8, 11 and 12
Hydrocarbons			
Petroleum hydrocarbons (C_{10}-C_{50})	µg/L	100,000	
Radioactivity			
Radium-226 (Ra-226)	Bq/L	0,005	

1 Method detection limit
2 COD: added to the list of parameters to be able to validate the quality criterion of aluminum

2.3 Quality Control

In addition to the laboratory-based quality assurance and quality control program (performed by Laboratoires Bureau Véritas under the agreement with Nemaska Lithium), a field-based quality control (QA/QC) program was implemented for this follow-up.

This program includes the following:

- Perform calibration of measurement devices.
- Provide control samples (called “blanks”).
- Provide “phantom” or duplicate samples (identified with a different number from the station they were collected).
- Ensure preservation of the cold chain.
- Perform the data entry validation by a second person.

Thus, at least one phantom (duplicate) sample was collected for every 10 samples collected (or generally, one phantom sample per sampling day). A field blank and a transport blank were provided for each parameter analyzed on each sampling day. The definitions of the major quality control elements are as follows:

Field blanks: field blanks are brought in and handled during sampling and then brought back to the laboratory as a sample. Field blank containers are opened in the field for the same length of time as the sample containers or decanted during sampling. They should always accompany the other containers, before, during and after sampling, as well as when samples are returned to the

laboratory. This allows contamination measurement from bottles, sampling methods, atmosphere, and preservatives.

Transport blanks: These reveal contamination inside the bottle or by volatile compounds that may have occurred during transport. These transport blanks must be taken to the sampling site and returned to the laboratory as a sample. They should always accompany the other containers during transport and storage, before and after sampling, and when the samples are returned to the laboratory. Unlike the field blank, the transport blank container should never be opened.

Phantom sample: The "phantom" sample is a duplicate of a sample taken in one of the stations whose origin is unknown to the laboratory. The value comparison between the original sample and its phantom allows the sampling quality and analysis process to be assessed in the laboratory. A minimum of one duplicate per batch of samples intended for analysis must be respected. The choice of station may differ from one campaign to another.

Table 1. Applicable Alert Criteria for Quality Control Samples from the Environmental Monitoring Program (Norda Stelo, 2019).

Sample Type	Alert Criteria	
	Inorganic Analysis[1]	Organic Analysis[2]
Field blank	MC > 2 x RDL MC > 5 x MDL	
Transport blank		
Phantom / duplicate sample	RD > 50%	RD > 80%

1 Includes ions, nutrients, metals, radioactive elements and physiochemical parameters.
2 Includes volatile organic compounds, hydrocarbons and other organic compounds.
MC = Measured concentration; RDL = Reported detection limit; MDL = Method detection limit; RD = Relative difference between duplicates
Source: Maxxam Analytical from the Environment and Social Monitoring Program – Version 2 – Whabouchi Spodumene Mine Project – March 2019 (Norda Stelo)

Evaluation of quality control by blanks is performed by comparing the blanks to the detection limit. Results are acceptable if (1) 5% or less of the blanks have values above the detection limit (network-wide) (CCME, 2011) and (2) the values above the detection limit (LOD) are less than twice the detection limit (Table 3).

For total nitrogen, the blank value must not exceed the limit of quantification (CEAEQ, 2015a). A method's limit of quantification (also called the reported detection limit or RDL) is the minimum concentration that can be quantified using an analytical method with defined reliability. It is equivalent to 10 times the standard deviation obtained when establishing the method detection limit (MDL).

The MDL is the lowest concentration of a compound analyzed in a real matrix that, when undergoing all steps of a complete method, including extraction and pretreatment, produces a detectable signal, with statistically defined reliability, different from that produced by a blank in the same concentrations (CEAEQ, 2015b).

Quality control evaluation of results using duplicates is performed by calculating the relative difference between two duplicates. Precision is considered acceptable if the relative difference is <25% or the coefficient of variation is <18%, when the mean of the replicates (phantom sample) is greater than or equal to 10 times the method detection limit, or the results are greater than or equal to 10 times the method detection limit, if the analytical methods are different (CCME, 2011).

Relative difference% = [(S2-S1) / ((S1+S2) /2)] x 100%

where: S1 and S2 are the results obtained from the samples

For triplicates (or samples repeated more than three times), the relative standard deviation (RS) should be calculated:

RS = s / (S1+S2…+Sn) / n

where:

S1, S2 and Sn are the results obtained from the samples and s is the standard deviation.

The coefficient of variation is defined as follows:

Coefficient of variation = s / [(S1+S2) /2]

where:

S1, S2 and Sn are the results obtained from the samples and s is the standard deviation.

For results below the detection limit, the relative difference cannot be calculated and is therefore non-quantifiable (NQ). Finally, a relative difference greater than 25% may be acceptable if one of the two results is less than 10 times the method detection limit (MDL), then the relative difference is non-quantifiable.

It should be noted that the acceptable relative differences stated in the mine's environmental monitoring program (Norda Stelo, 2019) are higher than the value stated by the CCME: it is 50% in the case of inorganic analyses and 80% in the case of organic analyses (Table 3).

2.4 Interpretation of Results

The results of the *in situ* measurements and chemical analyses were compared, where possible, to toxicity criteria (acute and chronic effects) for the protection of aquatic life (CVAC and CVAA), the Department of Environment and Climate Change (DECC) Quality Criteria for the Prevention of Contamination of Water or Aquatic Organisms with or without Intake (CPC(E) and CPC(EO)), and the Department of Environment and Climate Change (DECC) Quality Criteria for the Protection of Recreation and Aesthetics (PRAA) (DECC, 2022a and 2021b), and the Canadian Council of Ministers of the Environment (CCME) Canadian Water Quality Criteria for the Protection of Aquatic Life (CCME 2022).

Concentrations exceeding any of the MELCC criteria (MELCC 2022a and 2022b) and the Canadian water quality criteria for the protection of aquatic life (CCME 2022) are highlighted in Tables 1 and 2 in Appendix 2.

2.4.1 In situ Measurements

The MELCCFP's quality criteria for the prevention of contamination (drinking water) and for the protection of recreation and aesthetics (when the buffering capacity of the water is very low) state that the pH of the water should be between 6.5 and 8.5. However, the MELCCFP states that when the buffering capacity of the water is very low, it should be acceptable to bathe in water with a pH between 5.0 and 9.0. The MELCCFP acute and/or chronic and CCME long-term exposure criteria for pH are defined by a range of values satisfactory for the protection of the aquatic environment, i.e., between 6.5 and 9.0. All values outside this range are considered to be exceedances of the quality criterion.

For dissolved oxygen saturation, the MELCCFP suggests a chronic endpoint for cold water biota that varies with water temperature (minimum value of 54% oxygen saturation). The dissolved oxygen concentration is compared to the CCME guideline, which has established minimum values for life stages. The CCME criterion selected for this study is the one established for the early life stages for cold water biota, i.e. 9.5 mg/L, considering it the most restrictive. No quality criteria for dissolved oxygen apply for the prevention of contamination and for the protection of recreational activities and aesthetics.

No quality criteria are established for water temperature, conductivity and transparency.

2.4.2 Basic Physicochemical Parameters, Ions and Nutrients

For biochemical oxygen demand (BOD_5), only one quality criterion applies, the MELCCFP chronic toxicity criterion. The value established corresponds to the maximum tolerable oxygen deficit for aquatic life at an average summer temperature of 21°C. However, this criterion is only used for the establishment of Environmental Discharge Objectives as part of a simplified management approach to guide the designer to the level of treatment required for the treatment of organically loaded wastewater. In the aquatic environment, dissolved oxygen criteria must be met to ensure no impact on aquatic life rather than BOD_5 criteria.

For chloride, the MELCCFP and/or CCME quality criteria are defined by maximum invariant concentrations. For suspended solids (SS) and turbidity, the MELCCFP and/or CCME quality criteria are defined by a maximum increase over the natural or ambient concentration. The 2022 results will therefore be compared to the results measured in 2014, prior to the start of the construction phase of the Whabouchi Project (Roche Ltd., 2014c). As for the MELCCFP aquatic life protection quality criteria defined for sulphates, these are dependent on chlorides and water hardness. The criterion for the prevention of contamination of water or aquatic organisms for sulfates, however, is defined by an invariable maximum concentration that, when exceeded, could impair the organoleptic or aesthetic properties of drinking water.

The MELCCFP and CCME quality criteria for fluoride are invariant maximum concentrations that apply, for acute and chronic toxicity criteria, to waters of low hardness (≤ 120 mg/L $CaCO_3$).

The MELCCFP acute and/or chronic aquatic life quality criteria for ammonia nitrogen are determined based on pH (only for pH values between 6.5 and 9.0) and water temperature. Maximum acceptable concentrations are defined by the MELCCFP for nitrate and nitrite, while the MELCCFP aquatic life quality criteria for nitrite are based on chloride.

No aquatic life quality criteria are currently established by the MELCCFP and CCME for total alkalinity, dissolved carbon, dissolved inorganic or organic carbon, total organic carbon, conductivity, chemical oxygen demand (COD), total hardness, total dissolved solids, dissolved solids, bromides, sulphides, nitrites and nitrates analyzed together and total Kjeldahl nitrogen.

2.4.3 Total Extractable Metals, Rare Metals and Rare Earth Elements

The MELCCFP water quality criterion (chronic and acute) for aluminum is based on dissolved organic carbon (DOC), hardness and pH. The MELCCFP contamination prevention quality criterion (water and aquatic organisms) for aluminum is a maximum concentration of 0.1 mg/L. The CCME has two pH-based maximums, one for pH less than 6.5 and one for pH 6.5 and above. The MELCCFP also notes that good quality surface waters can contain high levels of aluminum (MELCCFP 2023a).

Maximum concentrations are defined as MELCCFP acute and/or chronic aquatic life quality criteria and/or CCME criteria for antimony, silver, arsenic, boron, cobalt, iron, lithium, mercury, molybdenum, selenium, strontium, thallium, uranium and vanadium. For iron, the concentration compared to the MELCCFP chronic quality endpoint must be adjusted by a correction factor, which is determined based on the TSS concentration. In addition, the Department notes that some good quality surface waters may contain natural levels of iron that are higher than the quality criterion (MELCCFP, 2023b). In these situations, the natural levels should be considered the reference value rather than the quality criterion.

Maximum concentrations are also defined as MELCCFP quality criteria for the prevention of contamination for aluminum, antimony, silver, arsenic, barium, beryllium, boron, cadmium, chromium, copper, iron, lithium, manganese, mercury, molybdenum, nickel, lead, selenium, sodium, strontium, thallium, uranium, vanadium and zinc.

The MELCCFP acute and/or chronic aquatic life quality criteria values for silver, barium, beryllium, cadmium, copper, manganese, nickel, lead, uranium, and zinc, as well as the CCME quality criteria for cadmium, copper, nickel, and lead are dependent on water hardness. The CCME quality criterion for zinc is based on dissolved organic calcium, hardness and pH.

There are currently no MELCCFP or CCME quality criteria for bismuth, calcium, magnesium, potassium, titanium and tungsten. In addition, no MELCCFP or CCME quality criteria have been established for total extractable rare earth elements and rare metals.

2.4.4 Primary Production and Total Phosphorus

For total phosphorus, the MELCCFP guidelines for the protection of aquatic life (chronic effect) and for the protection of recreational activities and aesthetics indicate that for oligotrophic lakes whose natural concentration is or was less than 0.01 mg/L, as is generally the case for the water bodies sampled in this follow-up, the quality criterion is defined by a maximum increase of 50% compared to the natural concentration without exceeding 0.01 mg/L.

As for chlorophyll a, it is a plant pigment involved in photosynthesis. The concentration of chlorophyll a therefore provides information on the phytoplanktonic biomass of water bodies. A high concentration can also reveal eutrophication problems. For oligotrophic lakes, the chlorophyll *a* concentration should be between 1 and 3 µg/L (MELCCFP, 2023c).

2.4.5 Hydrocarbons and Radioactivity

For C10-C50 petroleum hydrocarbons, the MELCCFP aquatic life protection criteria (acute and chronic) were defined for Bunker C oil, crude oil, gasoline, diesel and for heating oil. The most restrictive criterion is for Bunker C oil. However, the reported detection limit (RDL) used for the C10-C50 petroleum hydrocarbon analysis is too high (100 µg/L) to compare the analytical results to the MELCCFP criterion for a chronic effect.

For radium 226, only a maximum acceptable concentration has been defined for drinking water (MELCCFP contamination prevention quality criterion).

3 Results and Discussion

This section describes the results of field measurements and analyses of water samples collected during the September 2022 campaigns (Appendices 1 through 4). Exceedances of provincial and federal quality criteria are highlighted and illustrated on maps 2 and 3.

The water samples collected for total phosphorus analysis during the July 2022 sampling campaign were lost by the analytical laboratory when they were sent to CEAEQ. However, they were found four and a half months later, in mid-December, and at Nemaska Lithium's request, they were analyzed. The 28-day retention period could not be respected for these samples. In addition, the water samples taken in triplicate for chlorophyll *a* analysis in June 2022 were not considered as such by the analysis laboratory. Instead, the excess water collected was used to analyze other parameters even though all bottles provided by the laboratory had been filled. As a result, only one analytical result is available for chlorophyll *a* for the 2022 spring campaign.

Where it was necessary to validate the results of the current campaign by comparing them with ambient background values prior to the start of mine operations, the 2014 results (July and October) were used as the baseline values. It should be noted that in 2014, there were no monitoring stations established in the Nemiscau River (i.e., current stations 7A, 7B and 8). The values of a station present at the mouth of the river with the *Mountain Lake* (ST 8) were then used to make the comparison of these results. In addition, station 13 was also non-existent in 2014 (Roche Ltd., 2014c). The results of the 2022 water analyses are therefore compared with the first results available for this site, i.e. in June 2018 (Nemaska Resources, 2019).

3.1 Vertical Profiles

Vertical profiles of water temperature, dissolved oxygen, and conductivity measured in June and July 2022 at sampling stations where water depth exceeded 4 m are shown in Figures 1 and 2. Vertical profiles for the years 2018 through 2021 are shown as a supplement in Appendix 1.

Stations ST-2, ST-5, and ST-11 correspond to lake sampling stations while stations ST-7A, ST-7B, ST-8, and ST-12 are sampling stations located in rivers and thus subject to some flow and mixing.

For most stations sampled between June 1 and 4, 2022, the surface temperature was generally warmer than the temperature recorded in the water column, which was relatively homogeneous. Below the surface, the water temperature ranged from 9.0 to 12.8°C and in the water column, at more than 2 m below the surface for most stations and at more than 7 m for station ST-11 which is the deepest, the water temperature ranged from 6.9 to 11.4°C. During the June 2018 sampling campaign (between June 15 and 17, 2018), the water temperature was around 14-15°C while in June 2019 (between June 17 and 19), the water temperature was similar to that measured in 2022.

The dissolved oxygen concentration was between 10 and 12 mg/L from the surface to the bottom at all stations except for station ST-11 where the dissolved oxygen concentration decreased drastically from 11.71 to 5.5 mg/L from 21 m below the surface. Note that the maximum depth of this station is around 22.6 m. This was not encountered during the 2018 and 2019 spring sampling[2] events since at that time the vertical profile of this station stopped at 20 m. Other than station ST-11, dissolved oxygen concentrations measured in June 2022 are similar to those observed in June 2018 and higher than those in June 2019.

In Lake 18 and Spodumene Lake, the specific conductivity of the water is near 9 µS/cm while in the Nemiscau River and Mountain Lake, the conductivity of the water varies between 13.0 and 14.5 µS/cm. This parameter is generally homogeneous throughout the water column except at station ST-11 where it is slightly higher near the bottom of the water body. The specific conductivity of the water measured in June 2018 was generally less uniform throughout the water column except at Lake 18 and Spodumene Lake where it was 10 µS/cm, and varied primarily between 13 and 18 µS/cm depending on the station. At station ST-5, the subsurface conductivity was 14 µS/cm, but this decreased to 2 µS/cm near the bottom.

During the late July 2022 survey, subsurface water temperatures ranged from 17.1 to 19.1°C. At stations ST-7A, ST-7B, ST-8, and ST-12, the water temperature was uniform throughout the water column. At stations ST-5 and ST-11, a thermocline was present at 5 and 10 m below the surface, respectively. Water temperature and dissolved oxygen concentration in the case of station ST-5, drop to 8°C near the bottom of the water body. At station ST-2, water temperature also decreases at 3 m below the surface, but only by 2°C. A thermocline was also observed at stations ST-5 and ST-11 in August 2018 and 2019 and July 2020. However, in September 2021, only station ST-11 exhibited thermal water stratification. The period of greatest thermal stratification of water bodies in the Eeyou Istchee James Bay region is generally in late August and early September. Later in September, the waters begin to mix as the ambient air temperature decreases and the epilimnion (warmer, more oxygenated surface waters) and hypolimnion (colder, less oxygenated deep waters) approach similar temperature and density. The autumn wind then mixes the whole water column of the lake. This phenomenon is not observed for the stations located in the river since the flow already favours a certain mixing of the waters.

At the end of July 2022, the dissolved oxygen concentration at all stations is between 8 and 9 mg/L, except at station ST-5 where values decrease to 1.61 mg/L near the bottom at 8 m depth. These measurements are comparable to the values observed in July 2020.

Finally, water conductivity is around 14.6 µS/cm and is uniform from the surface to the bottom of all stations, except for station ST-5 where it increases below 5 m depth to 19.2 µS/cm near the bottom. In July 2020, the conductivity at stations ST-1 and ST-2 was less than 12 µS/cm, but on the order

[2] There were no sampling campaigns in spring 2020 and 2021.

of 15 µS/cm at other stations deeper than 4 m. But in contrast to the results obtained during the current term, the specific conductivity of the water at station ST-5 in July 2020 decreased below 5 m depth to about 12 µS/cm.

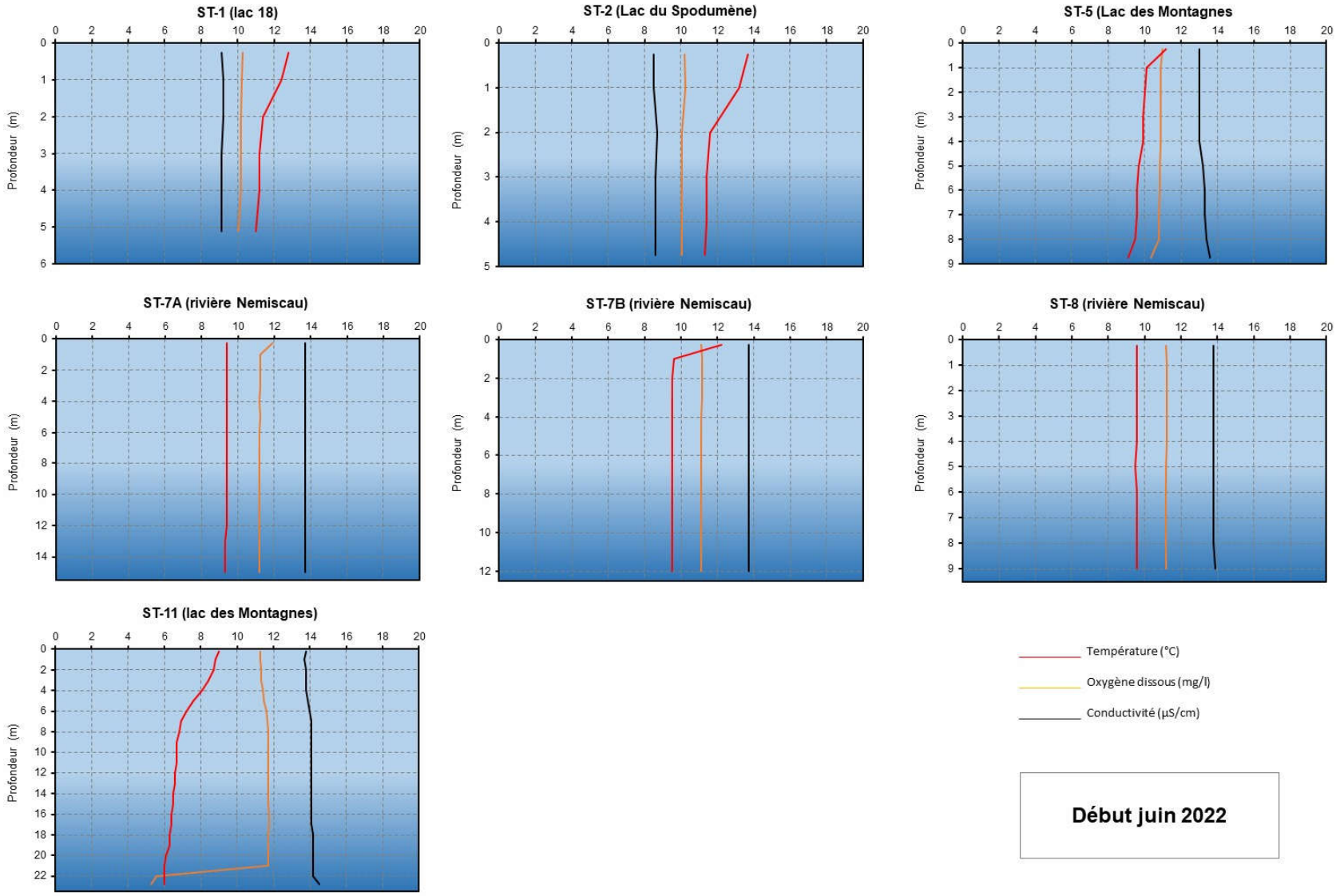


Figure 1. Vertical profiles of temperature, dissolved oxygen and conductivity measured in water at sampling stations deeper than 4 m in early June 2022

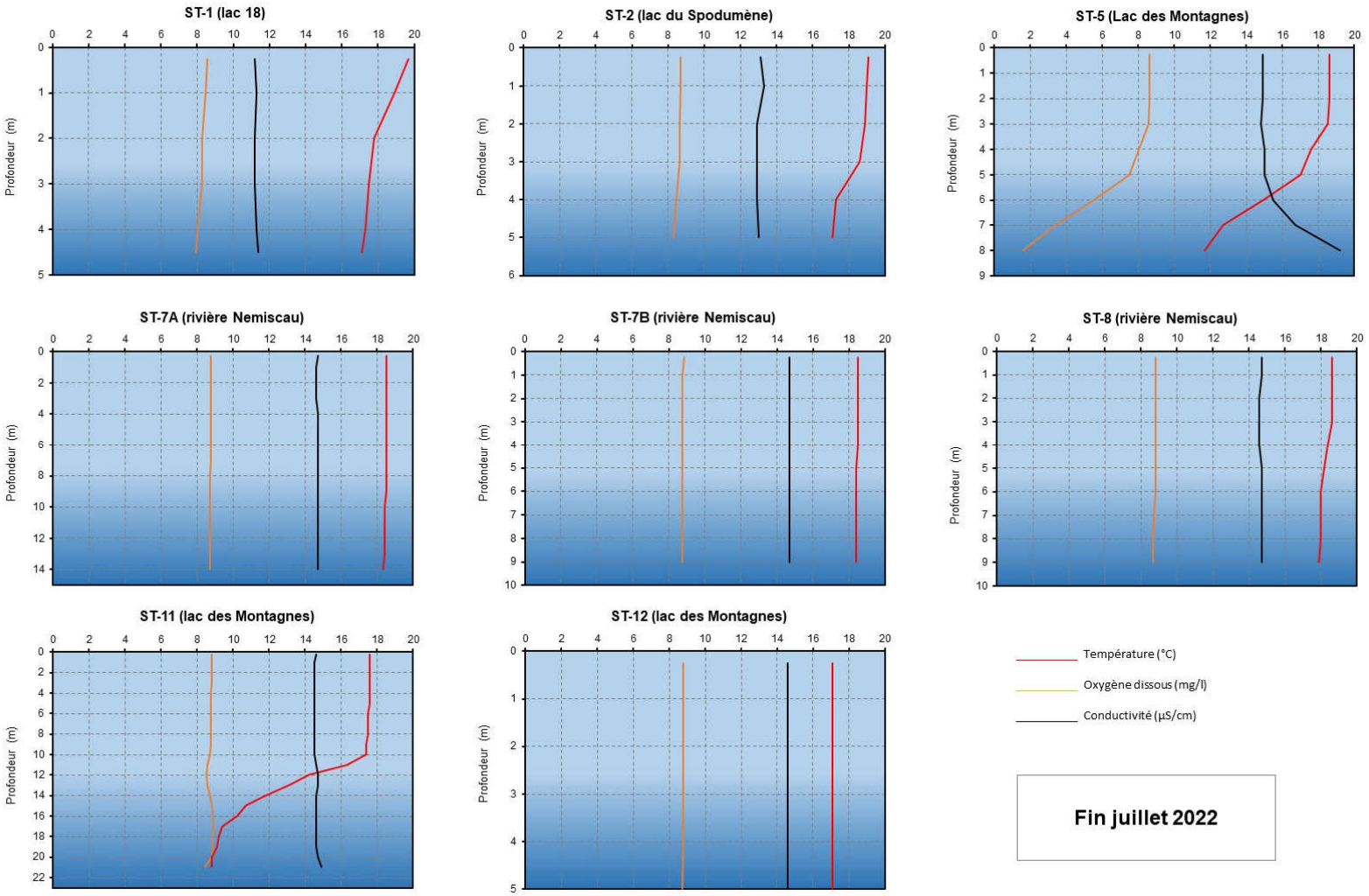


Figure 2. Vertical profiles of temperature, dissolved oxygen, and conductivity measured in water at sampling stations with depths greater than 4 m in late July 2022

3.2 *In situ* Physicochemical Measurements

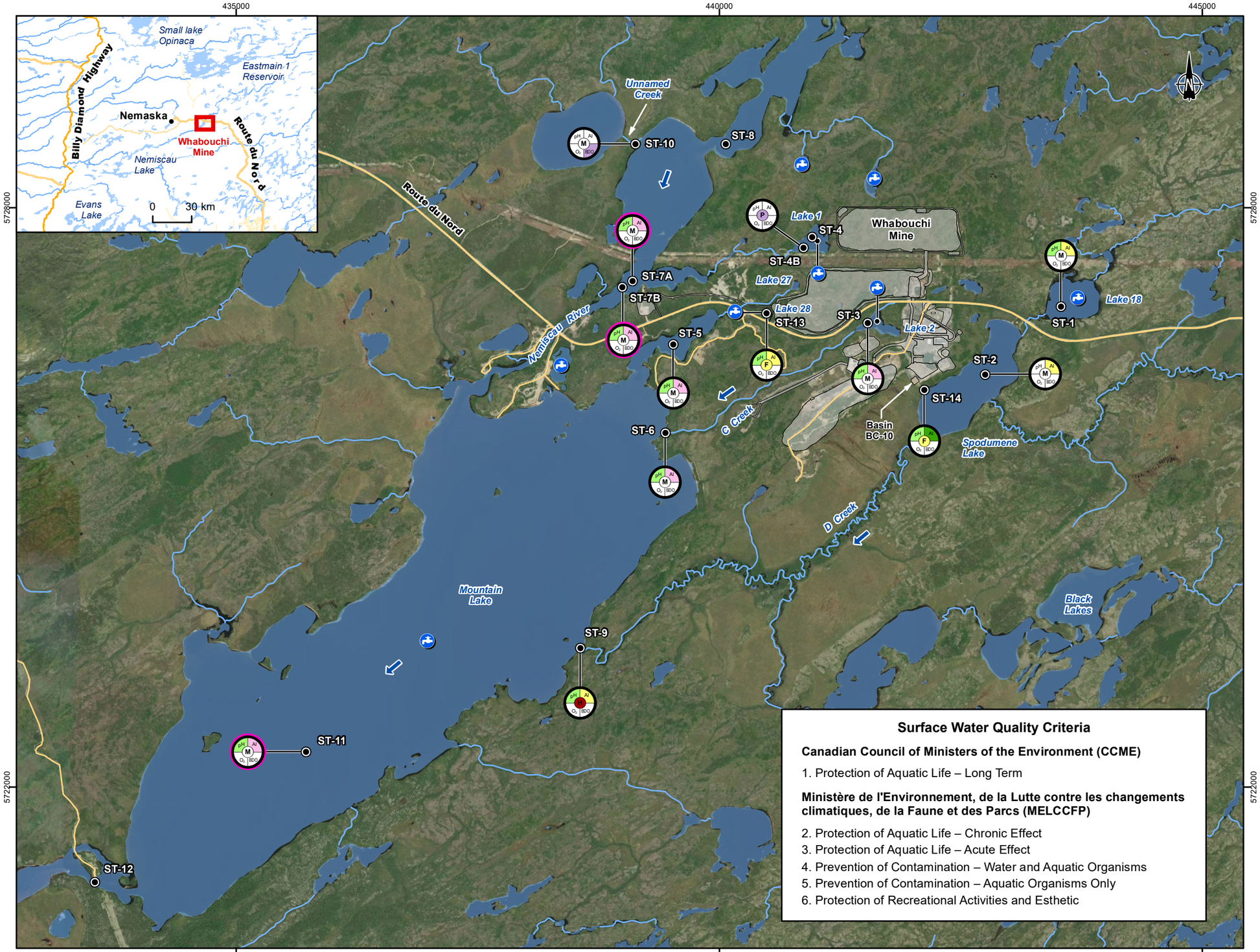
During the June 2022 cruise, the water temperature immediately below the surface (25 cm) ranged from 7.5 °C at ST-12 to 15.6 °C at ST-14. At the end of July 2022, subsurface water temperatures ranged from 16.4°C (ST-6) to 20.1°C (ST-14). Recall that ST-14 is the station newly added in 2022 at the outlet of BC-10 basin in Spodumene Lake.

Surface pH measurements taken during the June 2022 sampling campaign at ST-2, ST-4B, ST-7A, ST-7B, ST-8 (surface and near-bottom), ST-10, and ST-11 meet all federal and provincial guideline criteria. The values measured at ST-1, ST-3, ST-5, ST-6, ST-7A (near-bottom), ST-7B (near-bottom), ST-9, ST-11 (near-bottom), ST-12, ST-13 and ST-14 meet only one criterion: the MELCCFP criterion for the protection of aquatic life (acute effect) with a range of values from pH 5 to 9. Indeed, all these values are between 5.65 (ST-14) and 7.12 (ST-8 surface). Therefore, they do not meet the following criteria, all of which have minimum values set at pH 6.5: Protection of Aquatic Life - Long Term (CCME), Protection of Aquatic Life - Chronic Effect, Prevention of Contamination - Water and Aquatic Organisms, Prevention of Contamination - Aquatic Organisms Only, and Protection of Recreation and Aesthetics (MELCCFP).

In July 2022, the *in situ* pH values measured at each of the sampling stations were all below 6.5, but still above 5.0 without exceeding 6.29. Thus, only the MELCCFP quality criterion for the protection of aquatic life (acute effect) is met.

It should be noted that pH values can vary from year to year and from season to season. They are a function of several parameters, including soil acidity and mineral composition, primary production, CO_2 in the air and the amount of organic matter. In addition, pH measurements in the water of Canadian Shield water bodies and streams are generally acidic: in this area, a lake with pH = 6 is considered non-acidic (Dupont, 2004; more details provided in section 3.8).

Regarding dissolved oxygen values, all measurements recorded during the June 2022 cruise are well above the minimum values established by the MELCCFP and CCME, apart from the values measured at the bottom for station ST-11. These results are consistent with the analysis of the vertical profiles in Figure 2, which show a drastic decrease in oxygen concentration from 21 m at station ST-11 (5.25 mg/L, or 42.3% oxygen saturation). These values are below the CCME aquatic life protection threshold for early life stages of cold-water organisms (9.5 mg/L) and below the MELCCFP aquatic life protection threshold - chronic effect (54% or 6 mg/L at 15°C for cold water organisms).



Surface Water Quality Criteria

Canadian Council of Ministers of the Environment (CCME)

1. Protection of Aquatic Life – Long Term

Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP)

2. Protection of Aquatic Life – Chronic Effect
3. Protection of Aquatic Life – Acute Effect
4. Prevention of Contamination – Water and Aquatic Organisms
5. Prevention of Contamination – Aquatic Organisms Only
6. Protection of Recreational Activities and Esthetic

Map 3

Exceedances of Quality Criteria – June 2022

Hydrography

- Flow Direction
- Surface Water Sampling Station
- Drinking Water Intake
- Permanent Watercourse
- Waterbody

Infrastructure

- Whabouchi Mine

Road Network

- Principal Road
- Local Road

Surface Water Quality

Parameter with at Least One Water Quality Criterion Exceeded (at the Surface or at the Bottom)[1]

pH
Bottom Sample (pink halo)
Dissolved Oxygen
Aluminium
Metals[2]
Biological Demand in Oxygen (BDO5)

- Concentration Exceeding Criterion 1
- Concentration Exceeding Criterion 2
- Concentration Exceeding Criteria 1 and 2
- Concentration Exceeding Criteria 1, 2 and 3
- Concentration Exceeding Criteria 1, 2, 3 and 4
- Concentration Exceeding Criteria 1, 2, 4 and 6
- Concentration Exceeding Criteria 1 and 4
- Concentration Exceeding Criteria 1, 4 (F) and 2 (P)
- Concentration Exceeding Criteria 2 and 3
- Concentration Exceeding Criteria 4 and 5
- No Exceedances

[1] For More Details, See Table 1 in Appendix 2
[2] F: Iron, H: Mercury, P: Plumb, Z: Zinc

Data Sources:
Géobase du réseau hydrographique du Québec, MERN Québec, 2019
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

0 400 800 m
NAD 1983 UTM Zone 18N
1:40 000

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Surface Water Quality (NMX P3)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

435000 440000 445000

5728000

5722000

Surface Water Quality Criteria

Canadian Council of Ministers of the Environment (CCME)

1. Protection of Aquatic Life – Long Term

Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP)

2. Protection of Aquatic Life – Chronic Effect
3. Protection of Aquatic Life – Acute Effect
4. Prevention of Contamination – Water and Aquatic Organisms
5. Prevention of Contamination – Aquatic Organisms Only
6. Protection of Recreational Activities and Esthetic

Map 4

Exceedances of Quality Criteria – July 2022

Hydrography

- Flow Direction
- Surface Water Sampling Station
- Drinking Water Intake
- Permanent Watercourse
- Waterbody

Infrastructure

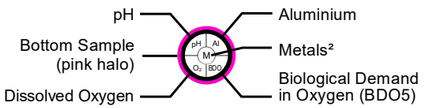
- Whabouchi Mine

Road Network

- Principal Road
- Local Road

Surface Water Quality

Parameter with at Least One Water Quality Criterion Exceeded (at the Surface or at the Bottom)[1]



- Concentration Exceeding Criterion 1
- Concentration Exceeding Criterion 2
- Concentration Exceeding Criteria 1 and 2
- Concentration Exceeding Criteria 1, 2 and 3
- Concentration Exceeding Criteria 1, 2, 3 and 4
- Concentration Exceeding Criteria 1, 2, 4 and 6
- Concentration Exceeding Criteria 1 and 4
- Concentration Exceeding Criteria 1, 4 (F) and 2 (P)
- Concentration Exceeding Criteria 2 and 3
- Concentration Exceeding Criteria 4 and 5
- No Exceedances

[1] For More Details, See Table 2 in Appendix 2
[2] F: Iron, H: Mercury, P: Plumb, Z: Zinc

Data Sources:
Géobase du réseau hydrographique du Québec, MERN Québec, 2019
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

0 400 800 m

NAD 1983 UTM Zone 18N

1:40 000

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Surface Water Quality (NMX P3)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

Dissolved oxygen values measured during the summer survey all met the MELCCFP criterion for protection of aquatic life (chronic effect), but all were below the CCME aquatic life protection threshold established for early life stages of cold-water organisms (9.5 mg/L).

3.3 Basic Physiochemical Parameters, Ions and Nutrients

As mentioned in section 2.2, some parameters have relatively short retention times ranging from 48 to 72 hours. Although samples were sent as soon as possible, due to the remoteness of the study site, the following parameters were always or sometimes analyzed outside of the time frame: nitrates and/or nitrites, pH.

Regarding alkalinity (in mg/L CaCO3), the low values measured at all stations during the two sampling campaigns mean that all the water environments sampled have a high sensitivity to acidification (< 10 mg/L CaCO3) according to the MELCC's aquatic life protection criteria (chronic effect). Indeed, all measured values are below 4.5 mg/L CaCO3 in June and 4.4 mg/L CaCO3 in July.

The spring and summer results for biochemical oxygen demand (BOD_5) are all below the aquatic life protection criteria (chronic effect) of 3 mg/L.

Suspended solid concentrations measured during the baseline study conducted in July and July 2014 ranged from < 0.4 to 2.7 mg/L at stations common with this monitoring (Roche Ltd., 2014c). The most restrictive criteria for this parameter are the MELCCFP aquatic life protection criterion (chronic effect) and the CCME long-term aquatic life protection guideline which are defined based on an increase of 5 mg/L from background or ambient concentration. All the results obtained during the two sampling campaigns respect this protection threshold except for the result obtained for the duplicate conducted at station ST-9 in June 2022. The latter is 7 mg/L and the concentration measured in 2014 at this station was 0.7 mg/L. It should be noted, however, that the result for the original sample from station ST-9 is 4.0 mg/L, which meets provincial and federal quality criteria.

In the 2014 baseline study, turbidity values measured at the same stations sampled in this monitoring ranged from < 0.4 to 2.7 NTU in June and from 0.5 to 2.5 NTU in July (Roche Ltd., 2014c). The values obtained in 2022, both in June and July, are similar. No increase of more than 2 NTUs was observed, so the overall results meet the four MELCCFP criteria and the CCME guideline.

The overall results for chloride, fluoride and sulfate from the two 2022 sampling campaigns meet the four provincial quality criteria and the federal guideline. The same is true for ammonia nitrogen, nitrate, nitrite and total phosphorus. Furthermore, the low-phosphorus values reflect the oligotrophic nature of the hydric systems inventoried.

3.4 Total Extractable Metals, Rare Metals and Rare Earth Elements

3.4.1 Spring 2022

Since pH values are below 6.5 at most sampling stations, aluminum concentrations measured at these stations exceed the CCME recommended concentration (for pH < 6.5, the aluminum concentration should not exceed 5 µg/L). Only stations ST-7A (surface), ST-7B (surface), ST-8 (surface and bottom), ST-10, ST-11 (surface), and ST-12, which have a pH value greater than 6.5, meet the federal guideline (for pH > 6.5, the aluminum concentration should not exceed 100 µg/L). The exceptions are the aluminum concentrations measured at ST-2 and ST-4B. Both pH values are above 6.5 and yet their aluminum concentrations are above 100 µg/L, which does not meet the CCME guideline. The threshold for the MELCCFP contamination prevention criterion is also set at 100 µg/L and therefore the aluminum concentrations measured at ST-1, ST-2, ST-4B, ST-9, ST-13, and ST-14 do not meet this quality criterion either.

The MELCCFP's aquatic life protection criteria (chronic and acute) change with pH, hardness and dissolved organic carbon (DOC). However, the minimum hardness available on the MELCCFP website to check if measured values exceed the aquatic life protection criteria (chronic and acute effect) is 10 mg/L. Because hardness was very low (<10 mg/L) at all stations except ST-3 (33 mg/L at Lake 2), it was not possible to accurately adjust the comparison criteria value for ambient hardness. To allow some verification of the MELCCFP aquatic life protection criteria at stations with low water hardness, the minimum water hardness value of 10 mg/L was used. Based on this hardness value, only the aluminum concentration at Station ST-14 (a new station added in 2022 at the outlet of BC-10 in Spodumene Lake) exceeds the MELCCFP chronic and acute effect aquatic life protection criteria.

It is important to note that the MELCCFP points out that some good quality surface waters may have background levels higher than the water quality criterion. In such a situation, the background levels should be considered as the reference value rather than the quality criterion. Comparing the results of the June 2022 sampling campaign with those of June 2014, there was little change in aluminum concentrations. Aluminum concentrations analyzed at each station, except for station ST-11 (surface), exceeded the CCME guideline. Stations ST-2, ST-3, ST-4, ST-6 and ST-9 also did not meet the MELCCFP contamination prevention criterion. A few differences were observed. At station ST-1, the concentration measured in June 2022 was above 100 µg/L (130 µg/L) while the concentration measured in June 2014 was 99 µg/L. The opposite is noted at stations ST-3 and ST-6, i.e., the concentrations measured in June 2022 are both below 100 µg/L, while they were above 100 µg/L in June 2014. In addition, the results obtained in June 2014 at stations ST-10 and ST-12 exceeded the MELCCFP quality criterion for prevention of contamination, whereas this is no longer the case in June 2022. Note that stations ST-7A, ST-7B, ST-8, ST-13 and ST-14 were not sampled in 2014. Furthermore, since dissolved organic carbon (DOC) was not analyzed in 2014, it

is impossible to verify whether or not the results obtained meet the MELCCFP chronic and acute effect criteria for the protection of aquatic life and whether there have been any changes in this area since the preliminary project.

Quality criteria exceedances are also observed for iron at ST-13 (380 µg/L), ST-14 (320 µg/L) and for the phantom sample 2 collected at ST-9 (340 µg/L). These exceed the CCME guideline for the protection of aquatic life over the long term and the MELCCFP contamination prevention criterion, both of which are set at 300 µg/L. It should be noted, however, that the iron concentration in the original sample taken at ST-19 is 250 µg/L, which meets all quality criteria.

It is important to remember that the MELCCFP aquatic life quality criteria (chronic and acute) for silver, barium, beryllium, cadmium, copper, manganese, nickel, lead and zinc are defined on the basis of water hardness. The minimum value provided by the MELCCFP is 10 mg/L, but the water hardness measured at most of the sampling stations is less than 10 mg/L. Thus, the same procedure as for aluminum was used to verify whether or not the results exceeded the MELCCFP quality criteria. Among these metals, only the concentration of lead at station ST-4B exceeds the MELCCFP criterion for the protection of aquatic life (chronic effect). It should be noted that for logistical reasons, the sample at this station was taken near the shore and not in the deepest section of the lake.

The detection limit used to analyze mercury, either 0.002 or 0.003 µg/L[3], does not allow verification of whether or not the concentrations measured at each of the stations meet the contamination prevention criteria (water and aquatic organisms and aquatic organisms only), both of which are set at 0.0018 µg/L. In fact, the concentrations measured at each of the stations are all below the detection limit, except for station ST-9 where the measured concentration is 0.0021 µg/L, which exceeds both contamination prevention criteria.

For all sampling stations, the concentrations of antimony, silver, arsenic, barium, beryllium, boron, cadmium, cobalt, copper, lithium, manganese, molybdenum, nickel, selenium, strontium, thallium, uranium, vanadium, and zinc met all the quality criteria for these parameters.

3.4.2 Summer 2022

In July 2022, for all sampling stations, pH values were below 6.5 and aluminum concentrations were above 5 µg/L, meaning that the overall aluminum results exceed the long-term CCME guideline. The stations with aluminum concentrations above 100 µg/L, ST-2, ST-4B, ST-13 and ST-14, do not meet the MELCCFP contamination prevention quality criterion. Regarding the MELCCFP criteria for the protection of aquatic life (chronic and acute effects), since the hardness measured at all the stations is low (< 10 mg/L), except for station ST-3, it is impossible to adjust the

[3] The reported detection limit (RDL) was 0.0020 µg/L, but in some cases the RDL was increased due to instrumentation.

value of the comparison criteria exactly according to the ambient hardness. Recall that these criteria are defined in terms of pH, water hardness, and dissolved organic carbon (DOC) and that the minimum value available on the MELCCFP website is 10 mg/L. However, using the criteria based on 10 mg/L hardness, the concentrations analyzed at ST 2, ST 4B, ST-7A (surface), ST-7B (surface), ST-8 (surface), ST-11 (bottom), and ST-13 exceed the protective criterion for aquatic life - chronic effect. Stations with aluminum concentrations measured in July 2022 that also exceed the protective criterion for aquatic life - acute effect are ST-2, ST-4B, ST-7A, ST-11 (near-bottom) and ST-13.

Furthermore, when comparing the concentrations of the stations analyzed in both July 2022 and July 2014, it can be seen that the 2014 concentrations are generally higher, except at station ST-11 (near-bottom) where the July 2022 concentration is 84 µg/L and the July 2014 concentration is 62.2 µg/L. Still, both results are above the CCME guideline of 5 µg/L, since the pH values measured at this station are below 6.5. However, the July 2014 surface analyzed concentrations at ST-11 (53.3 µg/L) and ST-12 (55.7 µg/L), while higher than the concentrations measured in July 2022 (46 µg/L at ST-11 and 47 µg/L at ST-12), meet the CCME long-term guideline because the pH values measured at these stations in 2014 are above 6.5, which is not the case in 2022, setting the CCME aquatic life protection threshold at 100 µg/L instead of 5 µg/L.

Of the metals for which the MELCCFP aquatic life protection quality criterion is defined based on water hardness, a minimum value of 10 mg/L hardness was used for the criterion calculation in cases where the water hardness at the station was lower than 10 mg/L to allow comparison with the analytical results obtained. The only criterion exceedances observed were for lead at ST-4B, ST-11 (near-bottom) and ST-13, which did not meet the chronic quality criterion, and for zinc at ST-7A (surface), which exceeded both aquatic life protection criteria (chronic and acute).

No other quality criteria exceedances are observed for metals.

3.5 Primary Production and Total Phosphorus

Chlorophyll *a* has a 72 h analysis time, so the samples collected were often analyzed out of time.

It should also be noted that water samples for total trace phosphorus analysis were collected in triplicate at all stations, both surface and bottom, while water samples for chlorophyll *a* analysis were collected in triplicate only at stations ST-5, ST-7A, ST-7B, ST-8, ST-11 and ST-12, located in *Mountain Lake* and the Nemiscau River. Note that in the spring of 2022, only one out of three chlorophyll *a* sample was analyzed in the laboratory. The laboratory did not heed the request to analyze the three samples collected and that they used the water collected to complete the analysis of other parameters.

Chlorophyll *a* and total phosphorus, but also water transparency, are indicators of the trophic state of a water body and the productivity of an environment (Government of Quebec, 2022).

In June 2022, phosphorus concentrations ranged from 3.97 to 8.37 µg/L, while in July 2022 they ranged from 3.50 to 9.33 µg/L. These are all below the quality criteria set by the MELCCFP. However, it should be noted that the concentration measured at station 4B (on the edge of Lake 1) is 9.33 µg/L, which is close to the CCME and MELCC aquatic life protection thresholds of 10 µg/L in oligotrophic environments. Phosphorus is present in natural waters as a result of leaching of certain minerals and decomposition of organic matter. It is therefore possible to believe that its concentration may be higher at the shoreline than at the surface in the centre of the water body. Therefore, if the sample taken at station 4 had been taken at the surface above the deepest zone of the water body where the station is normally located, then the total phosphorus concentration could be lower.

In general, chlorophyll *a* values for samples collected in June are low, all being around 0.7 µg/L, except at stations ST-5 (1.5 µg/L) and ST-7B (1.1 - 1.2 µg/L). In July, values increase and range from 0.26 to 1.59 µg/L with an average of 1.2 µg/L. Chlorophyll *a* values are normally higher in the summer when environmental productivity is at its peak. The oligotrophic waters and the low productivity of the environment, the sampling season, as well as an analysis delay sometimes higher than 72h are factors that contribute to explain these low values.

3.6 Other Parameters

The results of the C10-C50 petroleum hydrocarbon analyses obtained during the two sampling campaigns conducted in 2022 meet the most restrictive quality criteria (Bunker C oil) established by the MELCCFP for the protection of aquatic life (acute effect), which is 110 µg/L. However, the analytical laboratory's LOQ (100 µg/L) exceeds the MELCCFP quality criterion for the protection of aquatic life (chronic effect) of 11 µg/L.

For radium, the results of the two field campaigns all met the MELCC contamination prevention criterion (water and aquatic organisms) set at 0.6 Bq/L.

3.7 Quality Control

The comparison of the field and transport blank analysis results with the detection limits are shown in the tables in Appendix 3. The percentages of relative difference between the phantom sample and the collected sample are shown in the tables in Appendix 4. Overall, the quality control results indicate that the validity of the analyzed concentrations is not in question.

3.7.1 Field and Transport Blanks

In the context of quality control monitoring, three field blanks were collected and one transport blank was included with the shipment of samples to the laboratory during each of the two 2022 sampling campaigns.

Analysis of the June and July 2022 results in Appendix 3 highlights that between 6% and 8% of the parameters analyzed in the blanks exceed the RDL or MDL (i.e., 26 of 327 analyses conducted in June and 21 of 327 analyses conducted in July). Of the 21 and 26 analyses above their respective RDLs or MDLs, approximately 2-3% (i.e., 6 analyses in June and 9 analyses in July) exceed the alert criterion in Table 3. This means that the results are at least twice as large as their respective RDL or MDL. This is particularly the case for iron concentrations. They exceeded the alert criterion in all blanks in June and in almost two out of four blanks in July, including the transport blank. Since the transport blank consists of bottles that were not opened during the campaign, these abnormal results suggest that the problem is with the water supplied by the laboratory and not with improper handling of the bottles by field personnel.

In addition to iron concentrations that frequently exceed the alert criterion, concentrations of some parameters, such as dissolved carbon, dissolved inorganic carbon, chlorides, and barium, also exceed their respective RDLs in most blanks, even in the transport blank, but not necessarily exceeding the alert criterion. This suggests that the water supplied by the laboratory is not free of these parameters.

In general, contamination of the field blanks may be due to the bottles provided by the laboratory, the sampling methods, the atmosphere or the preservatives.

3.7.2 Samples Duplicates

Three phantom samples were collected during each of the two 2022 sampling campaigns, representing duplicates of six different stations, namely ST-2, ST-7A, ST-8, ST-9, ST-12 and ST 13.

Quality control results using duplicates are considered satisfactory for the majority of analytical results, i.e., those with a relative difference value that is not quantifiable or less than 25%. In some cases, 31 out of 244 results in June 2022 (approximately 12% of results) and 41 out of 244 results in July 2022 (approximately 17% of results), the relative difference percentage is greater than 25%. However, considering a relative difference of 50% as stated in the monitoring program (Table 3), the number of results above the alert criterion is 8 in June 2022 and 27 in July 2022, or about 3% of the results for the spring campaign and about 11% for the summer campaign (see also Appendix 4). Some of these discrepancies could be attributed to field manipulations, such as for total extractable metals and metalloids and rare earth elements and total extractable rare metals analyzed at trace levels, which are particularly sensitive to contamination, as in the case of duplicate 1 from July 2022, which represents a replicate of the water sample collected at station ST-13. Indeed, in this case, the relative difference is greater than 50% for several metals while this is not the case for the other ghost samples. In addition to metals, the parameters for which the relative difference is greater than 50% are suspended solids, total dissolved solids and total solids, DOC, TOC and dissolved carbon, sulfates, nitrates and nitrates and nitrites analyzed together.

The results of quality control performed by the analytical laboratory are presented in the certificates of analysis in Appendix 5.

3.8 Overview and Year-to-Year Comparison

The stations for which there were criteria exceedances during the two 2022 sampling campaigns are presented in Table 4 below. Table 5 presents the parameters for which the concentrations analyzed during the previous monitoring and during the 2014 baseline study did not meet at least one of the five quality criteria used for each of the sampling stations. Each X listed in this table represents a criterion exceedance during a sampling campaign. Thus, the presence of three Xs means that a quality criterion was exceeded for the listed parameter during three sampling campaigns conducted during the year.

Based on these results, the parameters that exceed the prevention and protection criteria are generally the same as in the previous monitoring in 2018, 2019, 2020 and 2021 and the 2014 baseline (Nemaska Resources, 2019 and 2021; Roche Ltd., 2014c). This is particularly the case for pH, dissolved oxygen and aluminum. For some sampling stations, iron, lead and zinc also recurrently exceed certain quality criteria. For mercury, all exceedances were caused by a detection limit that was not precise enough and exceeded the MELCCFP quality criteria for contamination prevention of 0.0018 µg/L. This issue was resolved in July 2022 when a detection limit of 0.0013 µg/L was used to analyze this parameter. This detection limit will need to be maintained for analyzing mercury in future monitoring.

Compared to Table 5, stations ST-7 and ST-8 were not located at the same locations in 2014 relative to the follow-up studies. Therefore, there is no comparison with the baseline study for these sampling stations.

Table 2. Summary of Exceedances by Station for the 2022 Sampling Campaigns.

Station	Month	Parameter	Value	Parameter criteria					
				Aquatic life protection – long term (CCME)	Aquatic life protection – chronic (MELCCFP)	Aquatic life protection – acute (MELCCFP)	Prevention of contamination – water and aquatic organisms (MELCCFP)	Prevention of contamination – aquatic organisms only (MELCCFP)	Recreational and esthetic protection (MELCCFP)
ST-1 (reference area)	June	pH	6.49	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	130 µg/L	5 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
	July	pH	6.29	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.56 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	87 µg/L	5 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
ST-2	June	Al	130 µg/L	100 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
	July	pH	5.48	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.71 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	110 µg/L	5 µg/L[1]	50 µg/L[2]	31 µg/L[2]	100 µg/L	-	-
ST-3	June	pH	6.44	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	85	5 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
	July	pH	6.19	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.95 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	84 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-4B	June	Al	230 µg/L	100 µg/L[1]	430 µg/L[2]	970 µg/L[2]	100 µg/L	-	-
		Pb	0.39 µg/L	7 µg/L[4]	0.17 µg/L[4]	4.4 µg/L[4]	10 µg/L	190 µg/L	-
	July	pH	5.38	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.56 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	140 µg/L	5 µg/L[1]	31 µg/L[2]	50 µg/L[2]	100 µg/L	-	-
		Pb	0.23 µg/L	7 µg/L[4]	0.17 µg/L[4]	4.4 µg/L[4]	10 µg/L	190 µg/L	-

Station	Month	Parameter	Value	Parameter criteria					
				Aquatic life protection – long term (CCME)	Aquatic life protection – chronic (MELCCFP)	Aquatic life protection – acute (MELCCFP)	Prevention of contamination – water and aquatic organisms (MELCCFP)	Prevention of contamination – aquatic organisms only (MELCCFP)	Recreational and esthetic protection (MELCCFP)
ST-5	June	pH	6.45	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	90 µg/L	5 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
	July	pH	5.81	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.65 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	50 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-6	June	pH	6.34	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	80 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
	July	pH	6.03	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	9.25 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	73 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-7A S.	July	pH	5.56	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.78 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	51 µg/L	5 µg/L[1]	31 µg/L[2]	50 µg/L[2]	100 µg/L	-	-
		Zn	25 µg/L	7695 µg/L[5]	17 µg/L[4]	17 µg/L[4]	7400 µg/L	26000 µg/L	-
ST-7A F.	June	pH	6.20	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	82 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L		
	July	pH	6.11	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.71 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	52 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-7B S.	July	pH	5.58	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.82 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-

Station	Month	Parameter	Value	Parameter criteria					
				Aquatic life protection – long term (CCME)	Aquatic life protection – chronic (MELCCFP)	Aquatic life protection – acute (MELCCFP)	Prevention of contamination – water and aquatic organisms (MELCCFP)	Prevention of contamination – aquatic organisms only (MELCCFP)	Recreational and esthetic protection (MELCCFP)
		Al	49 µg/L	5 µg/L[1]	31 µg/L[2]	50 µg/L[2]	100 µg/L	-	-
ST-7B F.	June	pH	6.31	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	83 µg/L	5 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
	July	pH	6.11	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.72 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	49 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-8 S. (reference area)	July	pH	5.71	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.84 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	50 µg/L	5 µg/L[1]	31 µg/L[2]	50 µg/L[2]	100 µg/L	-	-
ST-8 F. (reference area)	July	pH	6.14	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.67 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	54 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-9	June	pH	6.40	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	110 µg/L	5 µg/L[1]	260 µg/L[2]	490 µg/L[2]	100 µg/L	-	-
		Hg	0.0021 µg/L	0.026 µg/L	0.91 µg/L	1.6 µg/L	0.0018 µg/L	0.0018 µg/L	-
	July	pH	6.10	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	9.2 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	49 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-10 (reference area)	June	DBO_5	8.0 mg/L	-	3 mg/L	-	-	-	-
	July	pH	5.98	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.68 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-

Station	Month	Parameter	Value	Parameter criteria					
				Aquatic life protection – long term (CCME)	Aquatic life protection – chronic (MELCCFP)	Aquatic life protection – acute (MELCCFP)	Prevention of contamination – water and aquatic organisms (MELCCFP)	Prevention of contamination – aquatic organisms only (MELCCFP)	Recreational and esthetic protection (MELCCFP)
		Al	70 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-11 S.	July	pH	6.25	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.81 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	46 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-11 F.	June	pH	6.24	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	68 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L		
	July	pH	5.72	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.43 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	84 µg/L	5 µg/L[1]	31 µg/L[2]	50 µg/L[2]	100 µg/L	-	-
ST-12	July	pH	6.23	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.82 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	47 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-
ST-13	June	pH	6.21	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	160 µg/L	5 µg/L[1]	180 µg/L[2]	280 µg/L[2]	100 µg/L	-	-
		Fe	380 µg/L	300 µg/L	1300 µg/L	3400 µg/L	300 µg/L	-	-
	July	pH	5.62	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.09 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	230 µg/L	5 µg/L[1]	47 µg/L[2]	75 µg/L[2]	100 µg/L	-	-
		Fe	830 µg/L	300 µg/L	1300 µg/L	3400 µg/L	300 µg/L	-	-
		Pb	0.19 µg/L	7 µg/L[4]	0.17 µg/L[4]	4.4 µg/L[4]	10 µg/L	190 µg/L	-
ST-14	June	pH	5.65	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		Al	160 µg/L	5 µg/L[1]	31 µg/L[2]	50 µg/L[2]	100 µg/L	-	-

Station	Month	Parameter	Value	Parameter criteria					
				Aquatic life protection – long term (CCME)	Aquatic life protection – chronic (MELCCFP)	Aquatic life protection – acute (MELCCFP)	Prevention of contamination – water and aquatic organisms (MELCCFP)	Prevention of contamination – aquatic organisms only (MELCCFP)	Recreational and esthetic protection (MELCCFP)
		Fe	320 µg/L	300 µg/L	1300 µg/L	3400 µg/L	300 µg/L	-	-
	July	pH	6.2	6.5 to 9.0	6.5 to 9.0	5.0 to 9.0	6.5 to 8.5	-	6.5 to 8.5
		O_2	8.92 mg/L	9.5 mg/L	Min. between 6 and 8 mg/L	-	-	-	-
		Al	110 µg/L	5 µg/L[1]	120 µg/L[2]	180 µg/L[2]	100 µg/L	-	-

1 Determined as a function of pH
2 Determined by pH. dissolved organic carbon concentration and hardness. If the sample hardness is too low for comparison with the MELCC tables. the minimum value of 10 mg CaCO3 /L was used
3 When the hardness is less than 60 mg/L
4 Determined on the basis of hardness. Since the hardness at the station is less than the minimum value for comparison. the criterion presented is the minimum hardness available of 10 mg/L
5 This criterion was calculated from the following equation: exp(0.947[ln(hardness mg/L)] - 0.815[pH] + 0.398[ln(COD mg/L)] + 4.625)

S. = Surface and F. = Bottom
Note that the pH presented in this table corresponds to the *in situ* value of this parameter.

Table 3. Parameters Exceeding Provincial and Federal Quality Criteria in 2014, 2018, 2019, 2020, 2021 and 2022

Station	Parameter	Reference year 2014[1]	Years of environmental monitoring				
			2018[2]	2019[3]	2020[4]	2021[5]	2022[6]
ST-1 (reference area)	pH	XXX		XXX	X	X	XX
	O_2		X	XX	X		X
	Al	XXX	X	XX	X	X	XX
	Be	XX					
	Cu			X			
	Hg	X					
	Pb	XX					
	Zn		X	X	X		
ST-2	pH	XXX	XX	XXXX	X	X	X
	O_2	X	X	XXX	X	X	X
	Al	XXX	XXX	XXX	X	X	XX
	As	XXX		XX		X	
	Hg	XX				X	
	Be	X					
	Cu	X					
	Fe	X	X	X		X	
	Hg			X			
	Pb	XX		XX		X	
	Zn			X			
	C_{10}-C_{50}	X					
ST-3	pH	XXX	XX	XXXX	X	X	XX
	O_2	XX	X	XXX	X		X
	Nitrites			X			
	Al	XXX	XX	XXX	X		XX
	Be	XXX					
	Cu			X			

Station	Parameter	Reference year 2014[1]	Years of environmental monitoring				
			2018[2]	2019[3]	2020[4]	2021[5]	2022[6]
	Fe			X			
	Hg	XXX					
	Pb	X		X			
	Zn			X			
ST-4 or ST-4B[7]	pH	XXX	XX	X	NA	NA	X
	O_2	X	X	X	NA	NA	X
	Fluorides	X			NA	NA	
	Al	XXX	XX	X	NA	NA	XX
	Be	XX			NA	NA	
	Hg			X	NA	NA	
	Pb	XXX	X	X	NA	NA	XX
ST-5	pH	X		XXX		X	XX
	O_2		XXX	XXXX	X	X	X
	Al	X		XX			XX
	Hg	X		XX			
	Pb			X			
	Zn			X			
	C_{10}-C_{50}		X				
ST-6	pH	XXX		XX	X	X	XX
	O_2		X	XX	X		X
	Al	XXX		XX	X	X	XX
	As			X			
	Be	XX					
	Fe			X		X	
	Pb	XXX					
ST-7A S.[8]	pH	X		X		X	X
	O_2		XX	XXXX	X	X	X
	Al	X		X		X	X
	Hg	XX					

Station	Parameter	Reference year 2014[1]	Years of environmental monitoring				
			2018[2]	2019[3]	2020[4]	2021[5]	2022[6]
	Pb			X			
	Zn			X			X
ST-7A F.	pH	NA		X	X	X	XX
	O_2	NA	XX	XXXX	X	X	X
	Al	NA		X	X	X	XX
ST-7B S.[8]	pH	X		X		X	X
	O_2		XX	XXXX	X	X	X
	DBO_5						X
	Al	X		X		X	
	As			X			
	Hg	XX					
	Zn			X			
ST-7B F.	pH	NA		XX		X	XX
	O_2	NA	XX	XXXX	X		X
	Al	NA		X		X	XX
ST-8 S.[8] (reference area)	pH	X		XX	X	X	X
	O_2		XXX	XXXX	X	X	X
	Al	X			X	X	X
	As			X			
	Hg	XX					
	Zn						
ST-8 F. (reference area)	pH	NA		X		X	X
	O_2	NA	XXX	XXXX	X	X	X
	Al	NA		X		X	X
	As	NA				X	
	Zn	NA			X		
ST-9	pH	XXX		XX	X	X	XX
	O_2	XX	X	XX	X		X
	Al	XXX	X	XX	X	X	XX

Station	Parameter	Reference year 2014[1]	Years of environmental monitoring				
			2018[2]	2019[3]	2020[4]	2021[5]	2022[6]
	As	XXX		XX			
	Be	X					
	Hg						X
	Fe	XX		X			
	Pb	XX					
ST-10 (reference area)	pH	XXX				X	X
	O_2	XX	X	XX	X		X
	DBO_5						X
	Al	XXX			X		X
	Hg	X					
	Fe		X				
ST-11 S.	pH			XXX	X	X	X
	O_2	X	XXX	XXXX	X	X	X
	Al			X	X		X
	Hg	X					
	Zn			X	X		
ST-11 F.	pH	XX		X	X	X	XX
	O_2	X	XXX	XXXXX		X	XX
	Al	XX			X	X	XX
	As					X	
	Cu	XX					
	Hg	X					
	Fe						X
	Pb			X			X
	Zn		X				
ST-12	pH	X	X	XX		X	X
	O_2	X	XXX	XXXX	X		X
	Al	X		X			X
	Hg	X		X			

Station	Parameter	Reference year 2014[1]	Years of environmental monitoring				
			2018[2]	2019[3]	2020[4]	2021[5]	2022[6]
	Pb		X				
	Zn			X			
ST-13[9]	pH	X	XX	XX	X	X	XX
	O_2		X	XXX	X	X	X
	Al	X	XX	XX			XX
	As			X			
	Be		X				
	Cu			X			
	Fe	X	XX	XX			XX
	Mn			X			
	Pb		X	X			X
ST-14	pH	NA	NA	NA	NA	NA	XX
	O_2	NA	NA	NA	NA	NA	X
	Al	NA	NA	NA	NA	NA	XX
	Fe	NA	NA	NA	NA	NA	X

NA : Station not sampled

1 Criteria exceeded for the three sampling campaigns: 2 to 9 June, 28 and 29 July, 7 and 8 October 2014

2 Exceeded criteria for all five sampling campaigns (three quarterly and two monthly): 15-17 June, 24 July, 15, 16, 19 August, 22 September and 22-23 October 2018

3 Criteria exceeded for all six sampling campaigns (four quarterly and two monthly follow-ups): March 18-21, June 17-19, July 15, August 12-14, September 23, and October 13-14, 2019

4 Exceeding the criteria for the sampling campaign: July 18-20, 2020

5 Criteria exceeded for the sampling campaign: September 8 and 14, 2021

6 Criteria exceeded for both sampling campaigns: June 1-4 and July 28-31, 2022

7 Station 4 sampled at the shoreline instead of the deepest part of the lake

8 For the 2014 column: exceedances of quality criteria observed at station ST-8 in 2014

9 For the 2014 column: exceedances of quality criteria observed at station ST-13 in June 2018

In general, the pH of streams and lakes within the Whabouchi Mine Project area is slightly acidic, but not harmful to the survival of most fish species. Furthermore, a slightly acidic pH is a normal pH level for the Canadian Shield physiographic region since the granitic soils of this region have a low capacity to neutralize acids. Thus, stormwater runoff creates an additional input of acidifying materials to water bodies, many of which are already naturally acidic (Government of Quebec, 2021). The low water hardness measured at surface water quality monitoring stations also illustrate the low buffering capacity of these waters, i.e., their ability to neutralize acids from both runoff and the atmosphere (dissolving CO_2 gas in water results in a drop in pH and this gas is more soluble in cold water; Fisheries and Oceans, 2019).

3.9 Notes on BC-10 Basin

In 2021, although retention BC-10 basin, which drains runoff from the overburden pile, was not included in the sampling stations for this follow-up, a note was nevertheless made in the report on surface water quality because the field teams had observed that the water in this basin had an orange colour since 2020. After this observation was reported to Nemaska Lithium, water samples were taken in June 2021 to verify the origin of this phenomenon. The results of the analysis of these samples revealed concentrations that were more than an order of magnitude (x10) higher for several parameters in the BC-10 basin compared to station ST-2 in Spodumene Lake, which is located in the deeper part of the lake. To study this phenomenon in greater depth and truly understand its origin, Nemaska Lithium has mandated researchers from UQAT.

In parallel, since the overflow of the BC-10 basin discharges to Spodumene Lake via the bog of the same name, a sampling station (ST-14) was added at the outlet of this basin into Spodumene Lake in order to compare the results of this station with those of station ST-2 to ensure that the water from the BC-10 basin does not contaminate the waters of the lake over the long term.

Comparison of results from the two stations in Spodumene Lake obtained in June and July 2022 showed that water collected at station ST-14 differs little from water collected at station ST-2. Concentrations of boron, calcium, cobalt, iron, lithium, manganese, nickel, selenium, sodium and titanium are generally slightly higher at ST-14 than at ST-2, but do not exceed provincial and federal quality criteria, except for iron in June 2022.

From these results, it can be concluded that, at this time, the discharge of the BC-10 pond overflow is not affecting the water quality of Spodumene Lake.

4 Conclusion and Recommendations

The analytical results of water samples taken in 2022 at the 15 stations located in *Mountain Lake*, Spodumene Lake, Lakes 2, 18 and 28, as well as in the Nemiscau River and at the mouths of C, D and Unnamed Creeks, allow us to characterize the quality of surface water during the asset maintenance phase of the Whabouchi mining project.

For all inventoried water bodies, water quality is not a limiting factor for aquatic life and recreational activities. In fact, as was the case between 2018 and 2020, the results obtained in 2022 show few exceedances of the CCME and MELCCFP quality criteria, considering the regional particularities presented in section 3.8. Indeed, the water of the rivers and lakes located in the Whabouchi mining project area are slightly acidic and have relatively high aluminum concentrations (stations located in both the reference and exposure zones), which is quite normal for waters located in the Canadian Shield administrative region. Furthermore, the hardness of the waters is generally low (<10 mg CaCO3/L), which limits the accurate comparison of many results with the current MELCCFP criteria.

Vertical profiles of water temperature, dissolved oxygen, and conductivity in 2022 are generally consistent with those observed during the 2018, 2019, 2020, and 2021 sampling campaigns. The variability in specific water conductivity observed at station ST-5 during the five years of monitoring indicates possible water contamination from dissolved inputs from the watershed. However, it is difficult to say whether the materials causing a change in conductivity are from natural minerals or pollutants. Conductivity varies with temperature (specific conductivity generally increases if temperature increases) and is related to the concentration and nature of dissolved substances (CEAEQ, 2015c), including dissolved ions, the main ones being calcium, magnesium, sodium, potassium, carbonates, bicarbonates, sulfates, chlorides, and nitrates. They come mainly from the leaching of soils by rainwater. Also, their content depends directly on the nature of the rocks in the watershed (CNRS, 2022). The analytical results at this station confirm that the concentrations of these parameters are never abnormally high. Remember that the water sample at this station is only taken at the surface. The collection of a sample near the bottom at this station could possibly indicate higher concentrations of dissolved matter than at the surface.

Based on the results of the monitoring conducted in 2022, the following recommendations are made for the continuation of surface water monitoring from 2023 onwards:

- Continue monitoring as conducted since 2018 and consider keeping two sampling campaigns rather than one in order to have a complete picture of each of the sampling stations in case of analytical laboratory error.
- Continue to apply the standardized methodology and ensure with the analytical laboratory that detection limits are sufficient for comparison of results with the various quality criteria, including mercury (0.0013 µg/L as used in July 2022), C10-C50 hydrocarbons (< 11 µg/L), and biochemical oxygen demand (BOD5) (2 mg/L as used in 2022).
- Continue triplicate phosphorus sampling and analysis using the MA. 303-P 5.2 method of the CEAEQ.
- Continue chlorophyll *a* sampling in triplicate. If site infrastructure permits, analysis of this parameter directly on site would also reduce measurement uncertainties associated with the delay caused by transportation.
- Optimize communication with the analytical laboratory to minimize the potential for error in the parameters to be analyzed and the sets of bottles to be used during field campaigns.
- Develop a drivable access road to reach station ST-4 at Lake 1, which is difficult to access in the last 300 metres due to a small rocky creek impassable by a vehicle of any kind.
- Improve the same geolocation system by coupling the tablet with an Arrow 100 GPS that offers sub-meter accuracy in future field campaigns to reduce the margin of error when searching for stations (3 m for the 2022 campaign). Use two anchors (one forward and one aft) to prevent the boat from drifting during sampling.
- Continue sampling at station ST-14 to ensure that there is no contamination of Spodumene Lake water via the BC-10 retention pond over the long term.
- Sample station ST-5 near the bottom to understand the origin of variability in specific conductivity observed in vertical profiles over the five years of monitoring.

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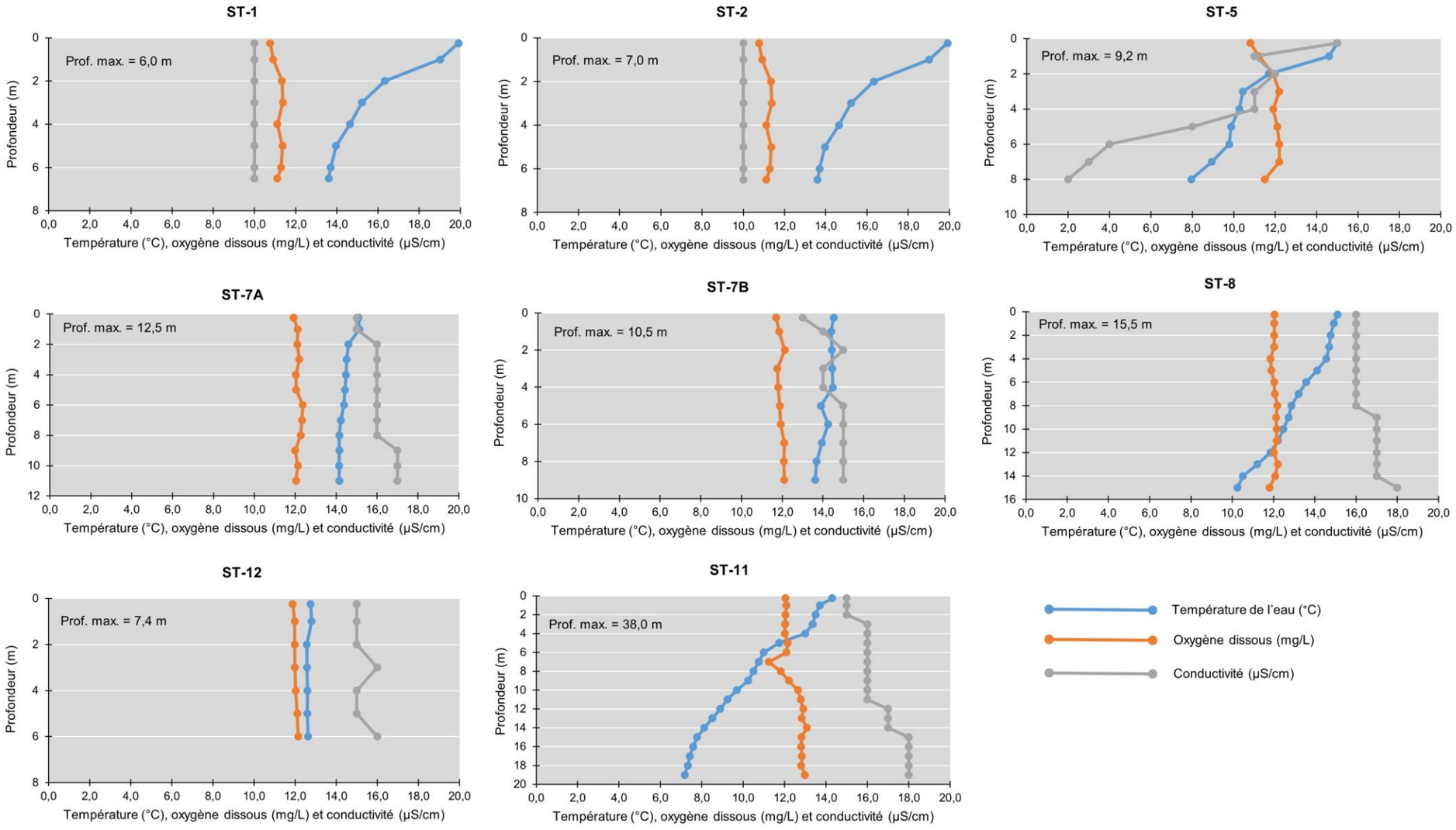
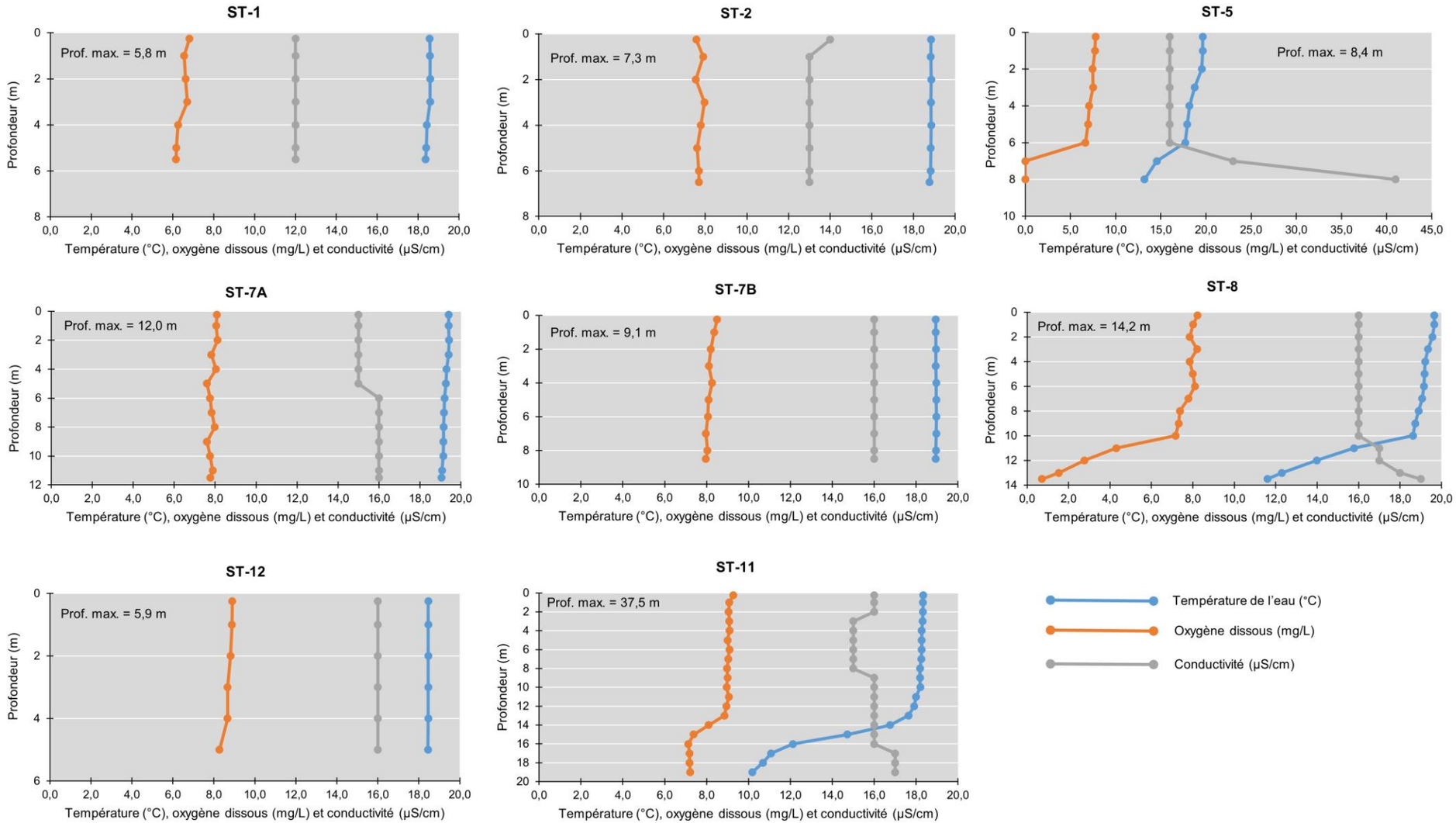
Annexe 1

Vertical Profiles of Water Temperature, Dissolved Oxygen, and Conductivity Measured at Sampling Stations Deeper than 4 m in 2018, 2019, 2020, 2021

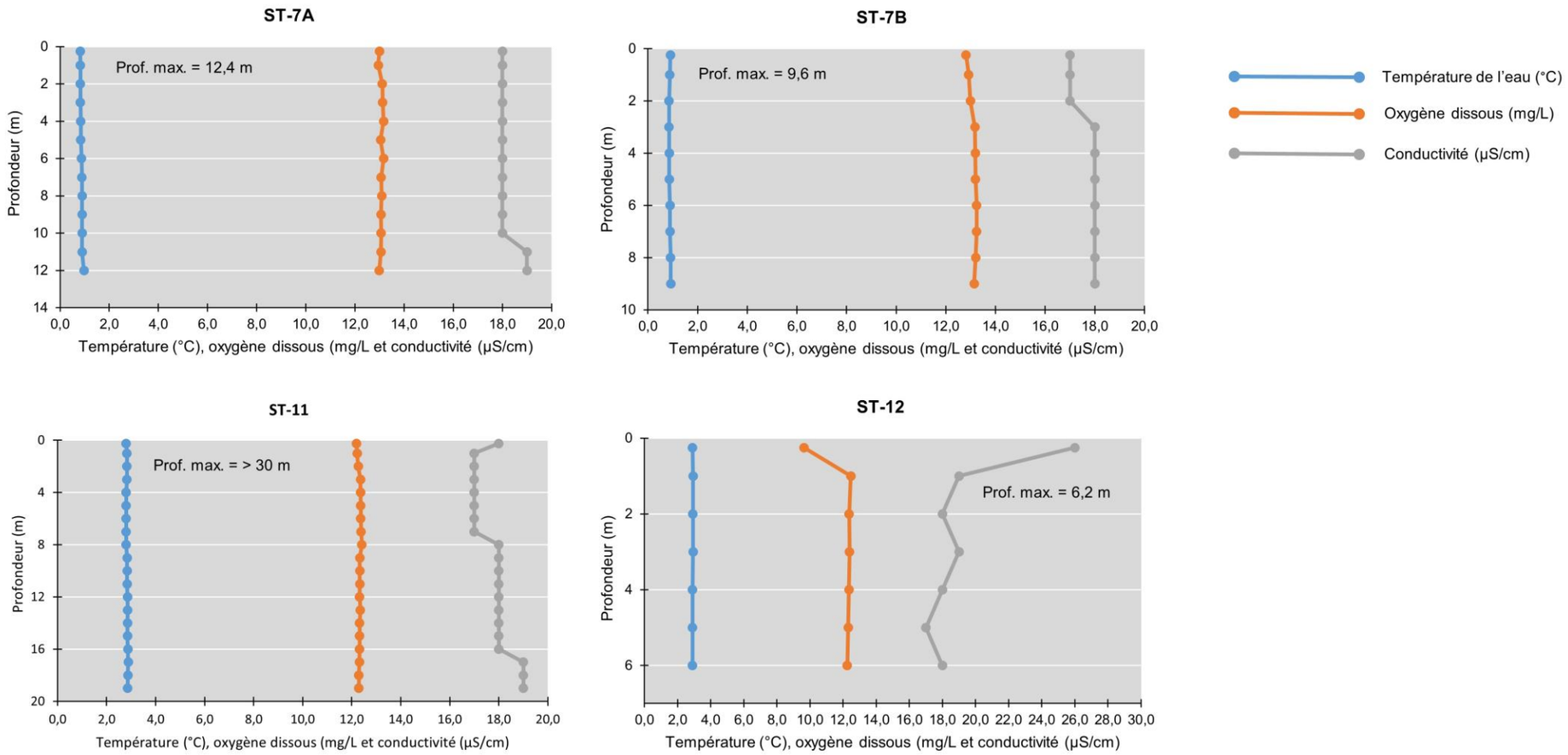
Vertical profiles of water temperature, dissolved oxygen, and conductivity measured at sampling stations deeper than 4 m, June 2018



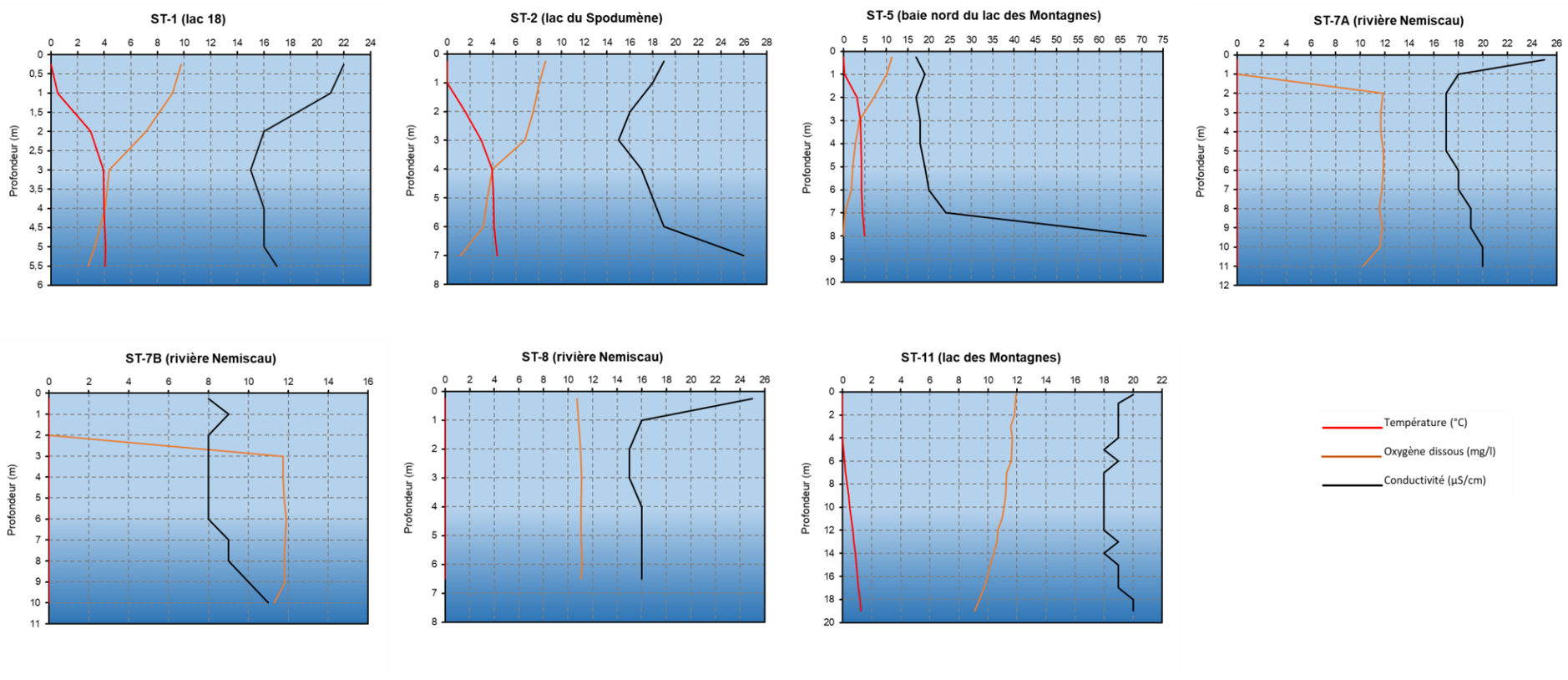
Vertical profiles of water temperature, dissolved oxygen, and conductivity measured at sampling stations deeper than 4 m, August 2018



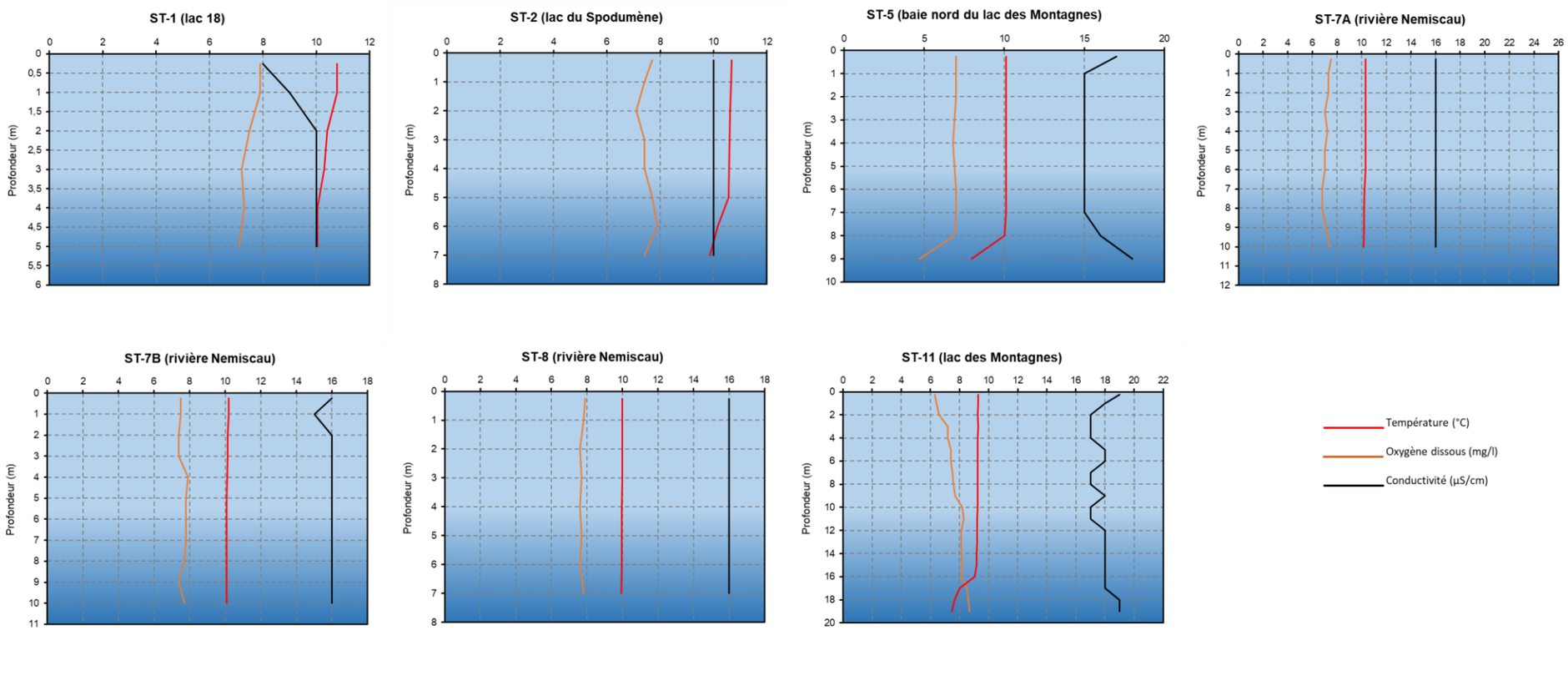
Vertical profiles of water temperature, dissolved oxygen, and conductivity measured at sampling stations deeper than 4 m, October 2018



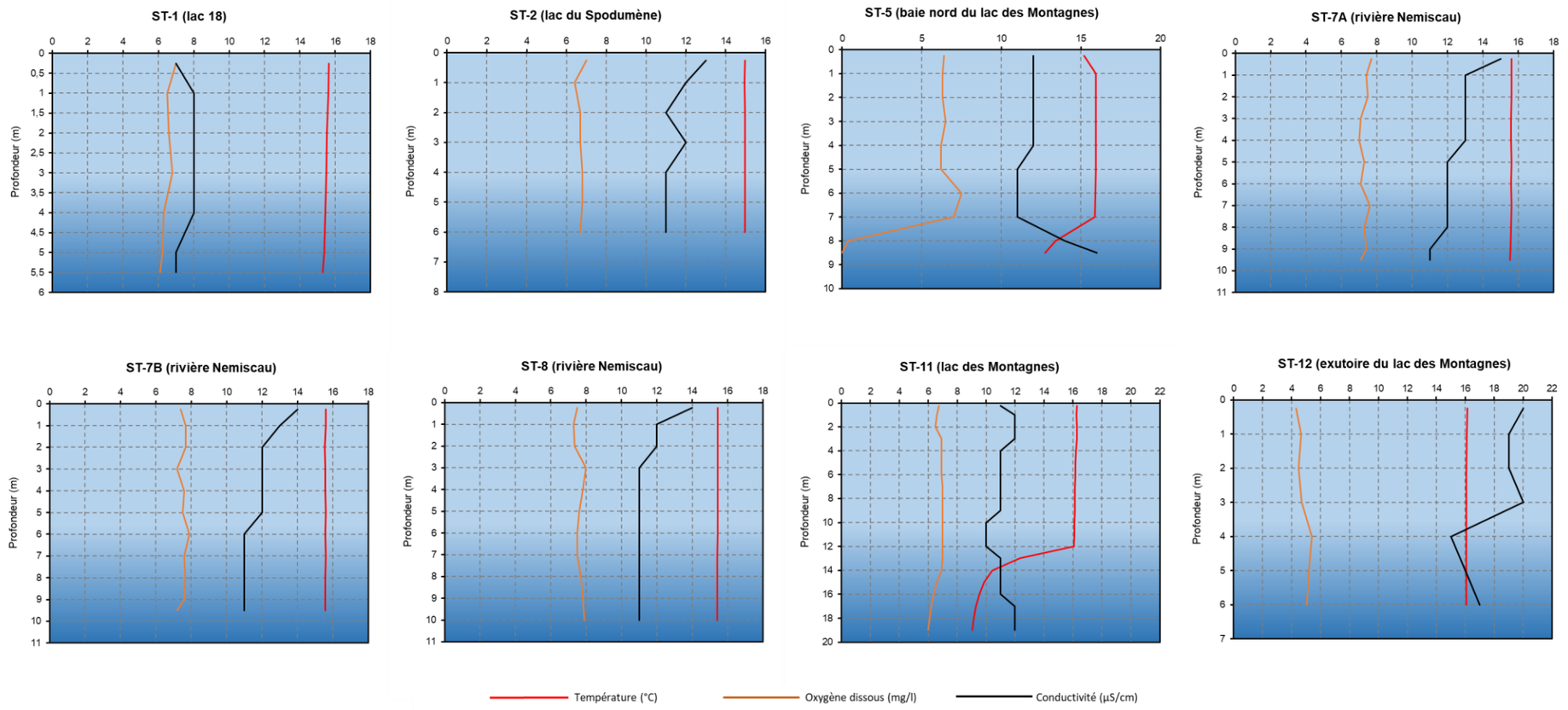
Vertical profiles of water temperature, dissolved oxygen and conductivity measured at sampling stations deeper than 4 m, March 2019



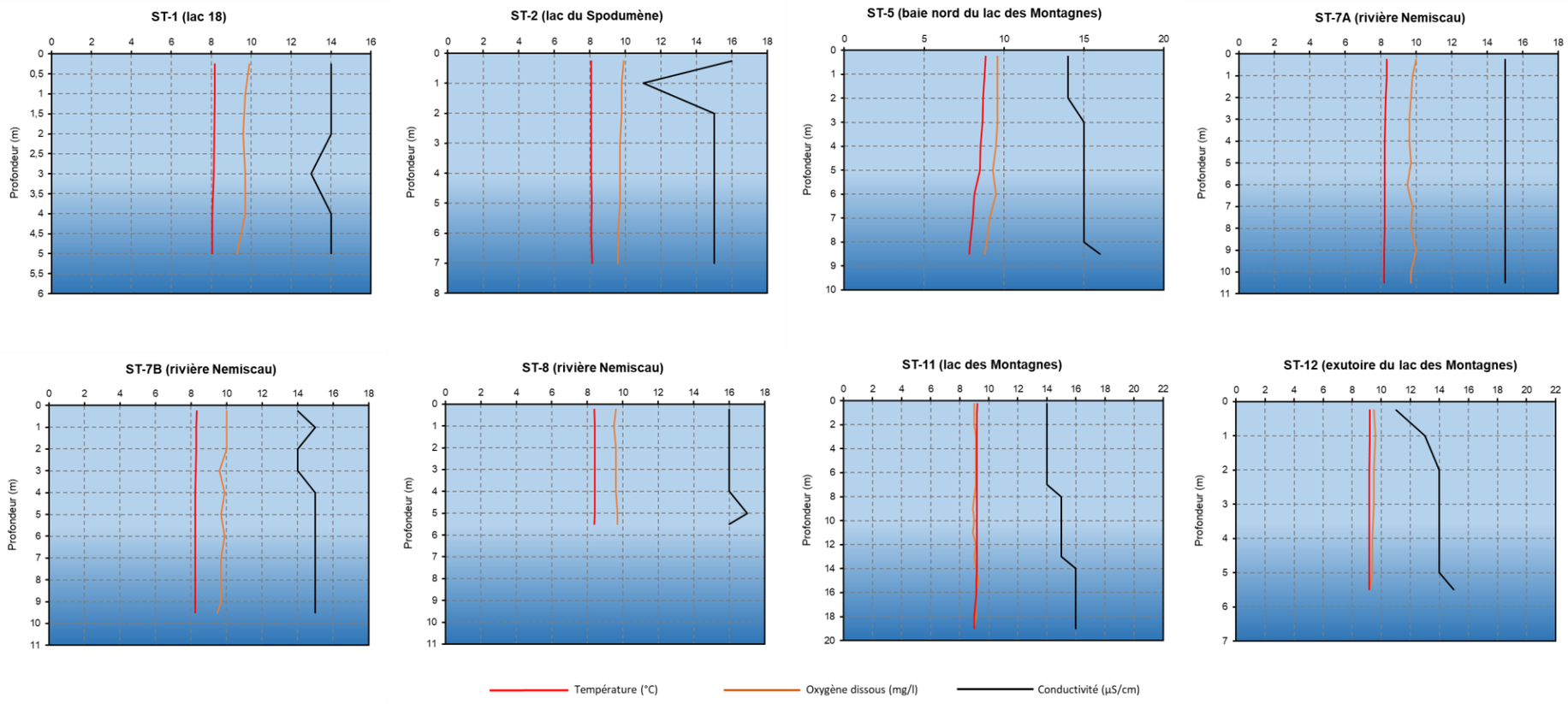
Vertical profiles of water temperature, dissolved oxygen and conductivity measured at sampling stations deeper than 4 m, June 2019



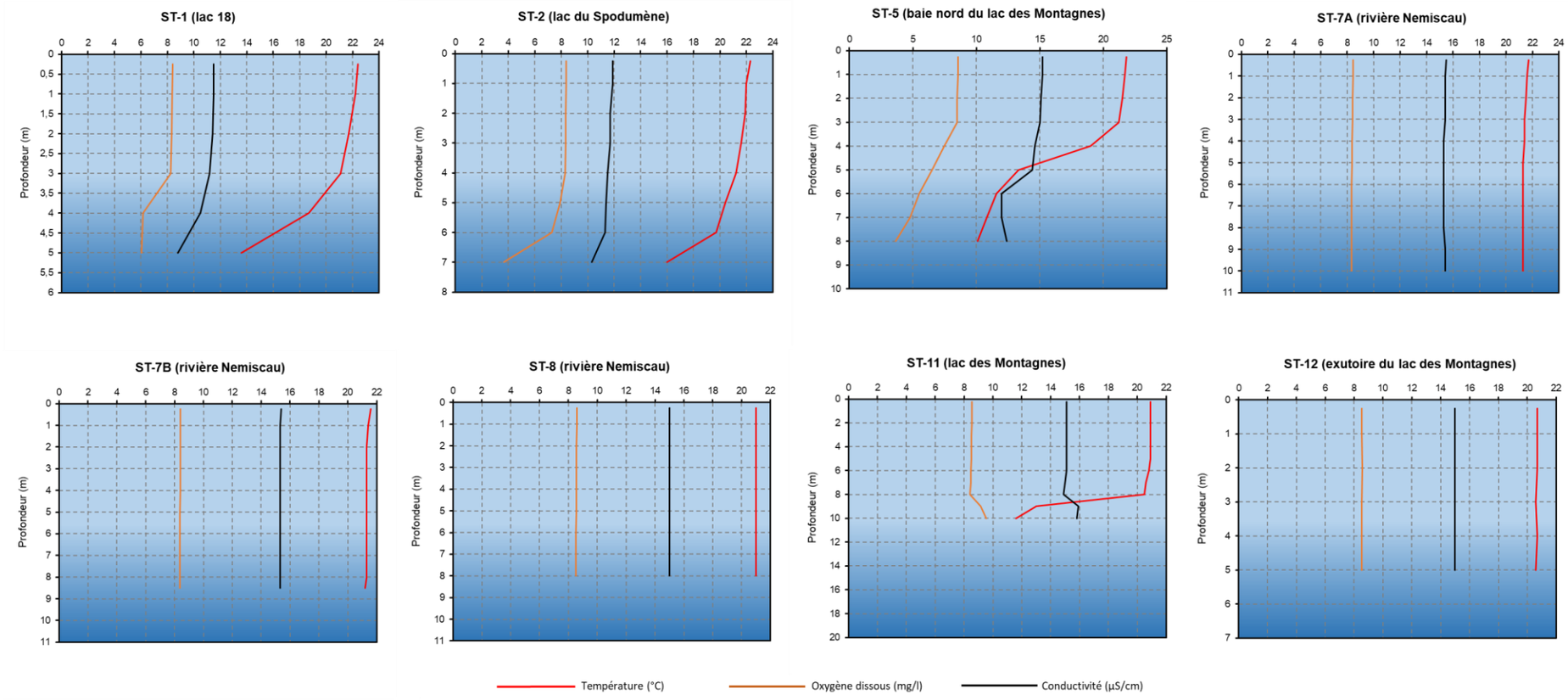
Vertical profiles of water temperature, dissolved oxygen and conductivity measured at sampling stations deeper than 4 m, August 2019



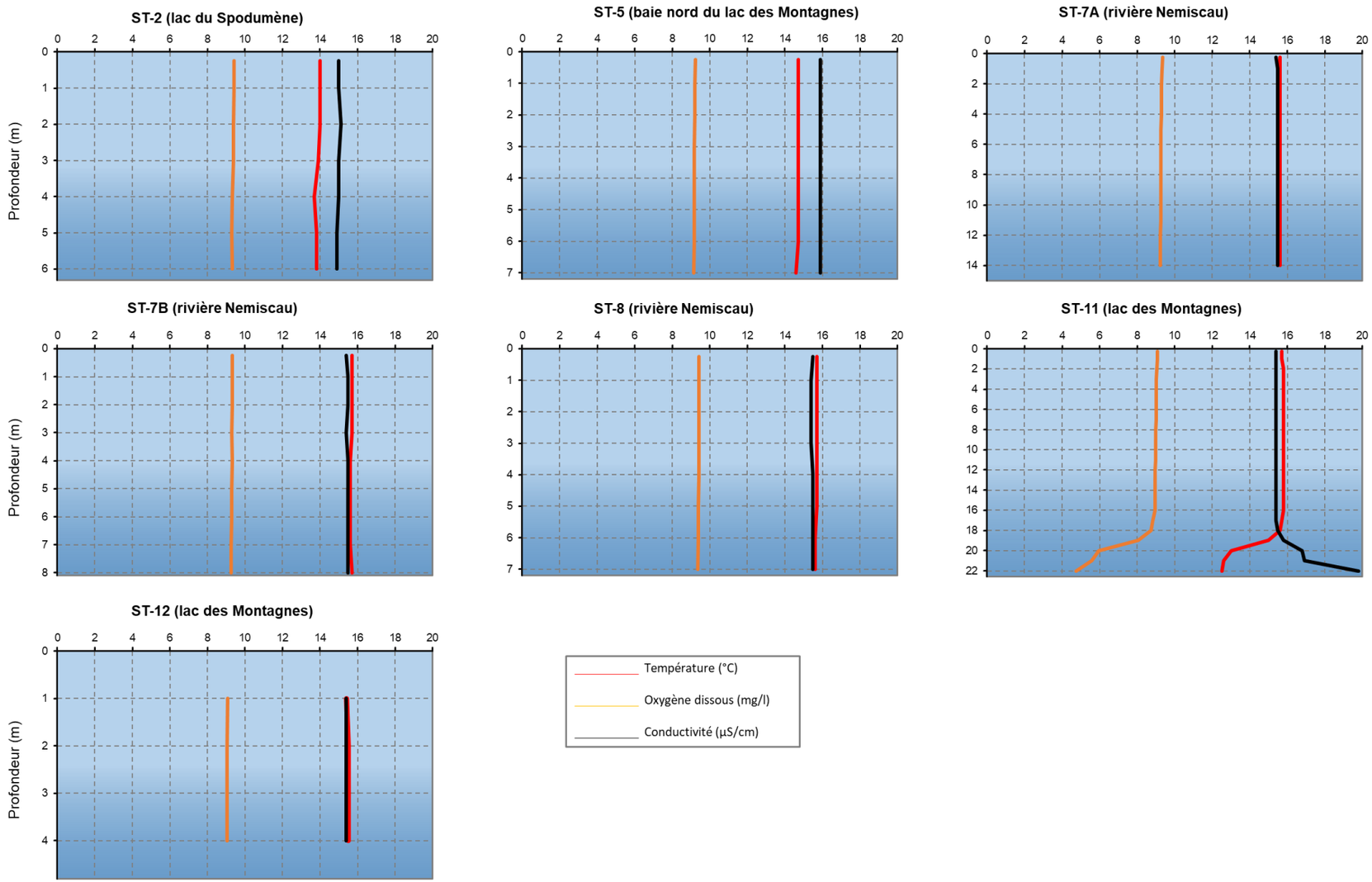
Vertical profiles of water temperature, dissolved oxygen and conductivity measured at sampling stations deeper than 4 m, October 2019



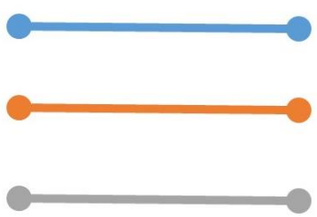
Vertical profiles of water temperature, dissolved oxygen and conductivity measured at sampling stations deeper than 4 m, July 2020



Vertical profiles of water temperature, dissolved oxygen and conductivity measured at sampling stations deeper than 4 m, September 2021



Legend Translation for All Slides



Température de l’eau (°C) = Water Temperature (°C)

Oxygène dissous (mg/L) = Dissolved Oxygen (mg/L)

Conductivité (µS/cm) = Conductivity (µS/cm)

Annexe 2

Analytical Results and Physicochemical Measurements of Surface Water Samples – 2022

Table 1 **Physicochemical measurements and analytical results of water samples taken from *Lac des Montagnes* , Spodumene lake, Lake 1, Lake 2, Lake 18, Lake 28 and the Nemiscau River during the June 2022 follow-up**

Parameters	RDL	Unit	Analytical results																								CCME[1]	MELCC[2]			
Sample			S1-1	S1-2	S1-3	S1-4b	S1-5	S1-6	S1-7A		S1-7B		S1-8		S1-9	S1-10	S1-11		S1-12	S1-13	S1-14	Phantom 1	Phantom 2	Phantom 3	Blank 1	Blank 2	Blank 3				
			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Surface	Surface	Bottom	Surface	Surface	Surface	S1-7A surface	S1-10	S1-12	Field 1	Transport 1	Field 2	Field 3				
Sampling date			2022-06-01	2022-06-03	2022-06-01	2022-06-04	2022-06-02	2022-06-02	2022-06-01		2022-06-02		2022-06-01		2022-06-02	2022-06-01	2022-06-02		2022-06-02	2022-06-03	2022-06-04	2022-06-01	2022-06-02	2022-06-03	2022-06-01		2022-06-02	2022-06-03	Protection of aquatic life (long term)	Protection of aquatic life (chronic effect)	Protection of aquatic life (acute effect)	Prevention of contamination (water and aquatic organisms)	Prevention of contamination (aquatic organisms only)	Recreational and aesthetic protection
Geographical coordinates (dd/ddd/dd; NAD 83)																															
Northern latitude			51,69106	51,68412	51,68907	51,69610	51,68688	51,67884	51,69283		51,69200		51,70377		51,65854	51,70554	51,64942		51,63625	51,69000	51,68300	51,69283	51,65854	51,68412	-	-	-	-	-	-	-	-
Western latitude			-75,81649	-75,82854	-75,84611	-75,85550	-75,87479	-75,87605	-75,88028		-75,88303		-75,8776		-75,88825	-75,88055	-75,91824		-75,96007	-75,86084	-75,83710	-75,88028	-75,88825	-75,82854	-	-	-	-	-	-	-	-
Mainly measurement																															
Maximum depth	-	m	5,40	5,10	3,80	-	9,00	2,25	15,20	15,20	12,10	12,10	7,60	7,60	1,50	1,10	23,00	23,00	4,40	1,25	0,50	15,20	1,50	5,10	-	-	-	-	-	-	-	-
Water temperature	-	°C	12,80	13,70	13,10	14,80	11,20	9,50	9,40	9,30	9,70	9,50	9,60	9,60	10,80	10,00	9,00	6,00	7,50	14,00	15,60	9,40	10,80	13,70	-	-	-	-	-	-	-	-
pH	-	pH	6,49	6,75	6,44	6,91	6,80	6,74	6,56	6,78	6,56	6,81	7,12	6,53	6,40	6,65	6,78	6,74	6,87	6,21	5,66	6,50	6,40	6,75	-	-	-	-	6,5 à 9,0	6,5 à 9,0	6,5 à 8,5	-	6,5 à 8,5
Conductivity	-	µS/cm	9,10	8,50	80,10	9,00	13,00	14,50	13,70	13,70	13,70	13,70	13,80	13,90	9,20	11,60	13,80	14,50	13,90	8,70	25,10	13,70	9,20	8,50	-	-	-	-	-	-	-	-
Dissolved oxygen	-	%	96,90	98,30	97,10	103,00	99,90	99,70	97,80	97,50	97,70	97,10	98,20	98,20	93,40	95,80	97,50	42,30	96,60	96,30	96,80	97,80	93,40	98,30	-	-	-	-	-	54%[4]	-	-
	-	mg/L	10,26	10,79	10,21	10,17	10,97	11,38	11,90	11,18	11,10	11,09	11,20	11,20	10,35	10,81	11,26	5,25	11,56	9,73	9,64	11,90	10,35	10,79	-	-	-	-	-	9,5 mg/L[5]	Minimum between 6 and 8 mg/L[4]	-	-
Transparency	-	m	2,50	2,50	3,10	-	2,75	2,25	3,75	3,80	2,90	2,90	2,50	2,50	2,5*	1,10	3,75	3,75	3,00	1,25	-	3,75	2,5**	2,50	-	-	-	-	-	-	-	-
Chemical analysis																															
Total alkalinity (in CaCO3)	1	mg/L	2,1	1,2	2,4	1,6	4,0	4,3	4,5	4,2	4,5	4,1	4,2	4,4	1,5	2,7	4,3	4,5	4,3	1,9	2,1	4,1	1,4	1,2	<1,0	<1,0	<1,0	<1,0	-	High sensitivity to acidification[6]	-	-	-
pH		pH	6,28	5,99	6,23	6,05	6,61	6,47	6,54	6,53	6,54	6,43	6,59	6,51	6,09	6,39	6,50	6,48	6,53	6,07	6,03	6,54	5,98	5,91	5,96	5,80	5,94	5,88	6,5 à 9,0	6,5 à 9,0	6,5 à 8,5	-	6,5 à 8,5
Conductivity	0,0010	mS/cm	0,0093	0,0077	0,082	0,0085	0,013	0,014	0,013	0,013	0,013	0,010	0,014	0,013	0,0084	0,010	0,013	0,014	0,013	0,0078	0,021	0,013	0,0082	0,0076	<0,0010	<0,0010	<0,0010	<0,0010	-	-	-	-	-
Dissolved organic carbon (DOC)	0,20	mg/L	6,1	6,9	4,8	7,3	4,9	5,3	5,2	5,2	5,3	5,2	5,2	5,4	7,3	5,6	5,5	5,6	5,6	7,6	7,0	5,4	7,3	7,0	<0,20	<0,20	<0,20	<0,20	-	-	-	-	-
Total organic carbon (TOC)	0,20	mg/L	6,0	6,8	4,7	7,2	4,8	5,4	5,3	5,4	5,3	5,3	5,4	5,3	7,1	5,5	5,3	5,4	5,5	7,5	6,5	5,3	7,0	6,8	<0,20	<0,20	<0,20	<0,20	-	-	-	-	-
Dissolved carbon	0,20	mg/L	8,0	8,6	6,2	8,7	6,7	7,4	7,3	7,4	7,3	7,4	7,4	7,4	9,1	7,2	7,4	7,7	7,4	9,3	8,9	7,4	9,0	8,5	0,23	0,26	0,39	0,41	-	-	-	-	-
Dissolved inorganic carbon	0,20	mg/L	1,9	1,7	1,4	1,4	1,9	2,1	2,1	2,2	2,0	2,2	2,2	2,0	1,8	1,6	1,9	2,0	1,9	1,7	1,9	1,9	1,7	1,5	0,23	0,26	0,39	0,41	-	-	-	-	-
Biochemical oxygen demand (DBO_5)	2,0	mg/L	<2,2	<2,2	<2,4	<2,1	<2,7	<3,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	8,0	<2,0	<2,0	<2,0	<2,4	<2,4	<2,0	<2,1	<2,6	<2,0	<2,0	<2,2	<2,2	-	3[7]	-	-	-
Total hardness (in $CaCO_3$)	40	µg/L	4000	3100	33000	4400	5700	6400	7100	6400	6300	6300	7200	5700	3000	4500	5600	5800	6900	2900	5900	6300	4500	3800	<150	<150	<40	<150	-	-	-	-	-
Suspended solids (SS)	2,0	mg/L	3,0	3,0	3,0	3,0	0,90	4,0	0,70	1,1	0,96	0,75	0,52	0,90	4,0	6,0	0,60	0,72	0,90	3,0	3,0	3,0	7,0	3,0	<2,0	<2,0	<2,0	<2,0	Note[9]	Note[10]	-	-	-
Total dissolved solids	10	mg/L	26	37	77	36	32	29	29	27	25	16	22	25	27	29	25	24	35	40	51	24	27	22	<10	<10	<11	<10	-	-	-	-	-
Total solids	10	mg/L	72	80	92	64	60	36	36	32	28	20	24	28	56	56	48	56	44	48	80	28	52	44	<10	<10	<10	<10	-	-	-	-	-
Turbidity	0,10	uTN	0,70	0,74	0,46	0,84	0,70	0,49	0,71	0,76	0,72	0,69	0,91	0,81	0,81	1,5	0,62	0,70	0,66	0,60	4,20	0,54	0,72	0,77	<0,10	<0,10	0,18	<0,10	Note[11]	Note[12]	Note[13]	-	5
Anions																															
Bromides (Br-)	0,10	mg/L	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	-	-	-	-	-
Chloride (Cl-)	0,050	mg/L	0,17	0,21	0,48	0,19	0,27	0,20	0,22	0,26	0,21	0,21	0,22	0,21	0,19	0,22	0,24	0,21	0,19	0,28	0,22	0,20	0,19	0,051	0,062	0,052	0,050	0,051	120	230	860	250	-
Fluorides (F-)	0,010	mg/L	0,014	<0,010	0,018	0,012	0,014	0,012	0,013	0,014	0,014	0,014	0,014	0,014	0,012	0,015	0,014	0,014	0,014	0,012	0,015	0,014	0,012	0,012	<0,010	<0,010	<0,010	<0,010	0,12	0,2[14]	4[14]	1,5	-
Sulfates	0,15*	mg/L	0,59	0,68	28,40	0,63	0,78	0,90	0,65	0,66	0,64	0,65	0,65	0,66	0,66	0,64	0,68	0,71	0,70	0,37	5,03	0,65	0,64	0,66	<0,15	<0,15	<0,15	<0,15	-	Note[15]	Note[15]	500	-
Sulfides (in S^{2-})	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	-	-	-	-	-
Nutrients																															
Ammoniacal nitrogen (in N-NH3)	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	-	Note[16]	Note[16]	1,5	-
Nitrates (in N)	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	0,023	0,042	0,038	0,041	0,039	0,036	0,039	0,038	<0,020	0,036	0,044	0,11	0,040	0,022	<0,020	0,038	<0,020	<0,020	<0,020	4	<0,020	<0,020	13	3	-	10	-
Nitrite (in N)	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	0,197	0,06[24]	0,06[44]	1	-
Nitrates and Nitrites	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	0,023	0,042	0,038	0,041	0,039	0,036	0,039	0,038	<0,020	0,036	0,044	0,11	0,040	0,022	<0,020	0,038	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	-	-	-	10	-
Total phosphorus	0,6*	µg/L	8,37	7,03	5,37	-	5,03	3,97	5,10	4,80	4,97	5,23	5,17	4,83	6,40	6,97	5,40	4,57	4,50	5,07	6,73	4,77	6,00	7,10	-	-	-	-	-	Note[17]	-	-	300
Total Kjeldahl nitrogen (in N)	0,40	mg/L	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	-	-	-	-	-
Total (extractable) metals (traces)																															
Aluminium (Al)	5	µg/L	130	130	85	230	90	80	84	82	83	83	95	70	110	92	66	68	88	160	160	82	160	160	<5,0	<5,0	<5,0	<5,0	pH < 6,5 : 5 ; pH ≥ 6,5 : 100	Note[18]	Note[18]	100	-
Antimony (Sb)	0,0050	µg/L	0,021	0,054	0,018	0,048	0,024	0,027	0,021	0,017	0,018	0,022	0,021	0,020	0,049	0,019	0,019	0,020	0,025	0,025	0,055	0,017	0,053	0,061	<0,0050	<0,0050	<0,0050	<0,0050	-	240	1100	6	640
Silver (Ag)	0,0030	µg/L	<0,0030	<0,0030	<0,0030	<0,0030	0,0078	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	0,25	Note[19]	Note[19]	100	11000
Arsenic (As)	0,080	µg/L	0,19	0,52	0,17	0,23	0,20	0,26	0,17	0,24	0,23	0,24	0,24	0,26	0,57	0,19	0,21	0,26	0,23	0,25	0,58	0,21	0,70	0,54	<0,080	<0,080	<0,080	<0,080	5	150	340	10	21
Barium (Ba)	0,030	µg/L	3,8	3,1	12	6,5	4,1	4,3	4,5	4,3	4,4	4,4	4,7	4,1	3,0	3,6	4,1	4,2	4,6	4,5	4,3	4,3	3,7	3,6	0,096	0,044	<0,030	0,050	-	Note[21]	Note[21]	1000	160000
Beryllium (Be)	0,010	µg/L	<0,010	<0,010	<0,010	0,018	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	0,011	<0,010	<0,010	<0,010	<0,010	<0,010	-	Note[22]	Note[23]	4	1300
Bismuth (Bi)	0,0090	µg/L	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	-	-	-	-	-
Boron (B)	0,30	µg/L	1,3	1,2	8,0	1,2	1,2	1,2	1,4	1,1	1,2	1,2	1,3	1,1	1,1	0,97	1,0	1,1	1,1	0,95	2,2	1,1	1,4	1,5	<0,30	<0,30	<0,30	<0,30	1500	5000	28000	200	160000
Cadmium (Cd)	0,0060	µg/L	0,010	0,011	0,024	0,018	0,026	0,0075	0,0072	0,0061	0,0077	0,0071	<0,0060	0,0076	0,019	0,0065	0,0067	0,0096	0,0076	0,011	0,013	0,0070	0,023	0,012	<0,0060	<0,0060	<0,0060	<0,0060	Note[24]	Note[25]	Note[26]	5	130
Calcium (Ca)	20	µg/L	1300 (1)	1000	11000	1300 (1)	1700	1800	2100	1800	1800	1700	1900 (1)	1500	900	1200	1500	1600	1900 (1)	840	1900 (1)	1800	1300 (1)	1200 (1)	<60 (1)	<60 (1)	<20	<60 (1)	-	Low sensitivity to acidification[27]	-	-	-
Chromium (Cr)	0,040	µg/L	0,12	0,23	0,18	0,25	0,20	0,23	0,23	0,23	0,21	0,24	0,22	0,18	0,41	0,25	0,20	0,18	0,17	0,18	0,30	0,25	0,24	0,35	0,23	0,040	<0,040	<0,040	-	-	-	50	-
Cobalt (Co)	0,0080	µg/L	0,13	0,21	2,0	0,15	0,081	0,066	0,048	0,039	0,036	0,039	0,036	0,036	0,18	0,059	0,037	0,056	0,056	0,50	0,34	0,040	0,23	0,25	<0,0080	<0,0080	<0,0080	0,017	-	100	370	-	-
Copper (Cu)	0,050	µg/L	0,53	0,60	1,4	0,81	0,61	0,44	0,32	0,52	0,31	0,73	0,30	0,78	0,41	0,25	0,23	0,57	0,28	1,0	0,60	0,56	0,62	0,050	<0,050	<0,050	<0,050	<0,050	Note[28]	Note[29]	Note[30]	1300	38000
Tin (Sn)	0,050	µg/L	<0,050	<0,050	<0,050	<0,050	<0,050	0,36	<0,050	3,9	<0,050	5,2	<0,050	4,3	<0,050	<0,050	<0,050	2,8	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	-	-	-	-	-
Iron (Fe)	0,50	µg/L	200 (1)	200	100	170 (1)	150	150	140	150	150	160 (1)	130	250	190	130	160	170 (1)	380	320 (1)	150	340 (1)	240 (1)	3,7 (1)	3,6 (1)	0,52	6,1 (1)	300	1300[31]	3400	300	-
Lithium (Li)	1,0	µg/L	1,2	0,64	8,4	1,4	0,56	0,56	0,36	0,34	0,37	0,36	0,64	0,34	0,63	0,51	0,34	0,37	0,67	1,2	2,7	0,34	1,1	1,1	0,14	<0,10	<0,10	0,15	-	910	720	58000	-
Magnesium (Mg)	10	µg/L	210	160	1100	260	370	440	460	460	460	470	470	470	190	350	460	460	460	200	300	460	280	220	<10	<10	<10	<10	-	-	-	-	-
Manganese (Mn)	0,030	µg/L	7,2 (1)	7,3	18	6,1 (1)	9,8	8,3	6,6	6,4	6,2	6,3	7,2 (1)	6,0	6,7	5,7	6,7	9,4	9,5 (1)	17	15 (1)	6,7	8,9 (1)	8,5 (1)	<0,080 (1)	<0,080 (1)	<0,030	0,24 (1)	-	Note[32]	Note[34]	50	59000
Mercury (Hg)	0,0010	µg/L	<0,0030 (1)	<0,0020	<0,0020	<0,0020 (1)	<0,0020	<0,0020	<0,0020	<0,0020	<0,0020	<0,0020	<0,0030 (1)	<0,0020	0,0021	<0,0020	<0,0020	<0,0020	<0,0020 (1)	<0,0020	<0,0020 (1)	<0,0020	<0,0030 (1)	<0,0030 (1)	<0,0020 (1)	<0,0030 (1)	<0,0020	<0,0020 (1)	0,026	0,91	1,6	0,0018	0,0018
Molybdenum (Mo)	0,010	µg/L	0,35	0,14	0,18	0,22	0,14	0,089	0,077	0,071	0,074	0,071	0,069	0,074	0,12	0,075	0,074	0,085	0,092	0,41	0,15	0,071	0,13	0,15	<0,010	<0,010	<0,010	<0,010	73	3200	29000	40	10000
Nickel (Ni)	0,030	µg/L	0,17	0,81	6,1	2,1	1,2	0,28	0,26	0,22	0,43	0,23	0,22	0,24 (1)	0,40 (1)	0,17 (1)	0,20 (1)	0,54 (1)	0,17	0,51 (1)	0,87	0,22	0,53	0,61	<0,030	<0,030	<0,030	<0,030	Note[35]	Note[36]	Note[37]	70	4600
Lead (Pb)	0,010	µg/L	0,13	0,12	0,088	0,39	0,10	0,078	0,083	0,067	0,076	0,075	0,074	0,063	0,11	0,094	0,055	0,069	0,070	0,13	0,14	0,066	0,15	0,16	0,016	<0,010	<0,010	<0,010	Note[38]	Note[39]	Note[40]	10	190
Potassium (K)	10	µg/L	240	220	680	290	270	260	260	260	270	280	290	230	200	260	310	240	330	200	300	260	310	300	<10	<10	<10	<10	-	-	-	-	-
Selenium (Se)	0,050	µg/L	<0,050	<0,050	0,11	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	0,052	0,051	0,058	<0,050	0,057	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	1	5	62	10	4200
Sodium (Na)	10	µg/L	760	520	1400	860	660	640	630	640	640	660	700	510	460	550	530	560	700	460	720	630	690	620	<10	<10	<10	<10	-	-	-	200000	-
Strontium (Sr)	0,040	µg/L	6,9 (1)	6,2	45	8,3 (1)	8,9	9,7	9,7	9,4	9,3	9,2	9,5 (1)	8,3	5,9	7,8	8,4	8,5	9,3 (1)	4,7	9,2 (1)	9,2	7,6 (1)	6,8 (1)	<0,30 (1)	<0,30 (1)	<0,040	<0,30 (1)	-	21000	40000	4000	-
Thallium (Tl)	0,010	µg/L	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	8	7,2	47	0,24	0,47
Titanium (Ti)	0,40	µg/L	1,4	1,5	0,85	1,8	1,0	0,87	1,1	0,84	1,1	1,0	1,4	0,87	1,4	1,4	<0,40	0,79	1,3	1,6	2,0	1,1	2,0	2,1	<0,40	0,43	<0,40	<0,40	-	-	-	-	-
Tungsten (W)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	-	-	-	-	-
Uranium (U)	0,0010	µg/L	0,14	0,076	0,053	0,44	0,18	0,072	0,068	0,066	0,066	0,065	0,070	0,057	0,067	0,17	0,062	0,068	0,076	0,12	0,091	0,065	0,088	0,090	<0,0010	<0,0010	<0,0010	<0,0010	15	100[41]	2300[41]	20	-
Vanadium (V)	0,050	µg/L	0,22	0,28	0,14	0,31	0,12	0,11	0,12	0,12	0,13	0,13	0,13	0,14	0,27	0,18	0,11	0,12	0,12	0,26	0,32	0,12	0,31	0,30	<0,050	<0,050	<0,050	<0,050	-	12	110	220	2200
Zinc (Zn)	1,4	µg/L	2,6 (1)	1,1 (1)	9,3 (1)	16 (1)	<0,60 (1)	0,67 (1)	<0,60 (1)	<0,60 (1)	<0,60 (1)	1,2 (1)	<0,62 (1)	3,0 (1)	1,6	1,1	1,3	1,5	<1,4 (1)	3,2	3,7 (1)	1,5 (1)	3,6 (1)	4,0 (1)	<1,4 (1)	<1,4 (1)	<1,4 (1)	<0,62 (1)	1,5 (1)	Note[42]	Note[42]	7400	26000
Mainly C2-C6																															
Cerium (Ce)	0,040	µg/L	0,41	0,39	0,32	0,36	0,29	0,28	0,27	0,27	0,27	0,27	0,27	0,29	0,44	0,41	0,28	0,30	0,28	0,62	0,41	0,27	0,43	0,39	<0,040	<0,040	<0,040	<0,040	-	-	-	-	-
Cesium (Cs)	0,020	µg/L	0,097	0,082	0,99	0,12	0,068	0,050	0,027	0,026	0,027	0,028	0,027	0,028	0,085	0,046	0,032	0,038	0,034	0,18	0,19	0,027	0,082	0,082	<0,020	<0,020	<0,020	<0,020	-	-	-	-	-
Dysprosium (Dy)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	-	-	-	-	-
Erbium (Er)	0,020	µg/L	<0,020	<0,020	<0,020	0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	-	-	-	-	-
Europium (Eu)	0,020	µg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	-	-	-	-	-
Gadolinium (Gd)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	0,041	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	-	-	-	-	-
Holmium (Ho)	0,015	µg/L	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	-	-	-	-	-
Gallium (Ga)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	-	-	-	-	-
Lanthanum (La)	0,020	µg/L	0,27	0,24	0,24	0,22	0,20	0,19	0,19	0,18	0,18	0,18	0,19	0,19	0,26	0,26	0,19	0,20	0,19	0,31	0,24	0,18	0,26	0,24	<0,020	<0,020	<0,020	<0,020	-	-	-	-	-
Lutetium (Lu)	0,016	µg/L	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	-	-	-	-	-
Neodymium (Nd)	0,040	µg/L	0,20	0,18	0,15	0,19	0,15	0,15	0,15	0,15	0,15	0,14	0,15	0,15	0,21	0,20	0,15	0,16	0,15	0,26	0,19	0,15	0,20	0,18	<0,040	<0,040	<0,040	<0,040	-	-	-	-	-
Praseodymium (Pr)	0,010	µg/L	0,054	0,050	0,042	0,049	0,042	0,041	0,040	0,040	0,040	0,039	0,039	0,041	0,057	0,056	0,041	0,043	0,041	0,069	0,051	0,040	0,055	0,049	<0,010	<0,010	<0,010	<0,010	-	-	-	-	-
Rhenium (Re)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,

Natural levels drawn from the supplemental baseline study conducted in June 2014.

Suspended solids	mg/L	2,4	1,8	1,8	2,7	<0,4	<0,4	-	-	-	-	-	-	0,7	2,3	2,1	1,6	1,1	-	-	-	0,7	1,8
Turbidity	uTN	0,5	0,6	0,7	0,6	0,4	0,3	-	-	-	-	-	-	0,9	3	0,7	0,5	0,5	-	-	-	0,9	0,6
Total phosphorus	mg/L	0,008	0,012	0,011	0,01	0,009	0,008	-	-	-	-	-	-	0,009	0,011	0,011	0,008	0,009	-	-	-	0,009	0,012
	µg/L	8	12	11	10	9	8	-	-	-	-	-	-	9	11	11	8	9	-	-	-	9	12
Aluminum	µg/L	**99**	**113**	**141**	**156**	**63,2**	**163**	-	-	-	-	-	-	**109**	**76,5**	55.7	**58,3**	**54,6**	-	-	-	**109**	**113**

Notes

Changing RDL (the most frequent has been prioritized)	RDL
Calcium	20 or 60
Iron	0,50 or 3
Manganese	0,030 or 0,080
Mercury	0,0020 or 0,0030
Nickel	0,030 or 0,12
Strontium	0,040 or 0,30
Zinc	0,50-0,60-0,62 or 1,4
Hardness	40 or 150
BODS	2-2, 1-2, 2-2, 4-2, 6-2, 7 or 3
Total dissolved solids	10, 11 or 12
Suspended solids	0,2, 0,21, 0,22 or 2

(1): The RDL has been increased due to the instrumentation

RDL : Reported detection limit

Value : Does not meet the CCME Canadian Water Quality Guideline for the Protection of Aquatic Life - Long Term Exposure

Value : Does not meet MELCC water quality guidelines - protection of aquatic life - HVAC Protection of aquatic life (chronic effect)

Value : Does not meet MELCC water quality guidelines - protection of aquatic life - CVAA Protection of aquatic life (acute effect)

Value : Does not meet MELCC water quality guidelines - contamination prevention - water and aquatic organisms

Value : Does not meet MELCC water quality guidelines - contamination prevention - aquatic organisms only

Value : Does not meet MELCC water quality guidelines - prevention of contamination - protection of recreational activities and aesthetics

Value : RDL greater than or equal to the threshold of a criterion

* : Method detection limit (MDL)

** : The maximum depth (1.5 m) at station 9 is less than the transparency measurement (2.5 m). This anomaly is explained by the fact that the wind moved the boat slightly between the depth and transparency measurements. In 2018, the depth measurement (1.2m) was greater than the transparency measurement (1.0m).

[1] : Opportunistic sampling done on the bank. Station accessible by truck (4x4) but the last 300 metres are done on foot since a paved stream blocks the passage. Possibility to bring a barge and leave it permanently in the stream.

[2] : Federal Recommendation. CCME, 2022. Canadian Environmental Quality Guidelines. Protection of aquatic life long-term exposure. Online: https://ccme.ca/fr/tableau-sommaire?chems=140,162&lang=fr

[3] : Surface Water Quality Criteria, Ministry of Environment, Climate Change, Wildlife and Parks, 2022. Water quality criteria for metals calculated using the metal calculation file. Online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/index.asp

[4] : Criterion based on estimated water temperature for cold water biota. Dissolved oxygen concentrations should not be less than the listed values. Varies with temperature: 0°C -->8 mg/L, 5°C -->7mg/L, 10 and 15°C-->6mg/L, 20 and 25°C -->5mg/L, 20°C -->57%. 25°C -->63%

[5] : Criterion based on estimated water temperature for cold water biota: early life stages. Minimum acceptable dissolved oxygen concentration: early life history stages = 6000 µg-L-1other life stages = 5500 µg-L-1for cold water biota: early life stages = 9500 µg-L-1other life history stages = 6500 µg-L-1

[6] : Alkalinity (CaCO3), the sensitivity of a medium to acidification varies with alkalinity. Sensitivity Concentration (mg/L CaCO3)

[7] : BOD5: This value corresponds to the maximum tolerable oxygen deficit for aquatic life at an average summer temperature of 21°C.

[8] : Maximum average increase of 5 mg/L in background levels (see data above) for longer-term exposures

[9] : In clear water (S.E.M. <25 mg/L), the quality criterion is defined by a maximum average increase of 5 mg/L compared to the natural or ambient concentration (see data above)

[10] : In clear water (M.E.S. <25 mg/L), the quality criterion is defined by a maximum increase of 25 mg/L compared to the natural or ambient concentration (see data above)

[11] : The maximum average increase of 2 NTUs in background levels (see data above) for a longer-term exposure (e.g. 30-day period).

[12] : In clear water (M.E.S. <25 mg/L), the quality criterion is defined by a maximum increase of 2 NTU compared to the natural or ambient value (see data above)

[13] : In clear water (M.E.S. <25 mg/L), the quality criterion is defined by a maximum increase of 8 NTU compared to the natural or ambient value (see data above)

[14] : Fluoride: This quality criterion was calculated from toxicity data for low hardness (≤ 120 mg/L (CaCO3)).

[15] : This quality criterion varies depending on the hardness and chloride concentration in the water. See Appendix 14 on the Ministry's Surface Water Quality Criteria website: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_14.htm

[16] : Ammonia nitrogen (N-NH3); parameter taken as a function of pH and temperature. See Appendix 4 on the Department's Surface Water Quality Criteria website: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_4.htm

[17] : To limit eutrophication in lakes where the natural concentration is or was between 0.01 and 0.02 mg/L, the quality criterion is defined as a maximum increase of 50% over the natural concentration (see data above), without exceeding 0.02 mg/L

[18] : Aluminum (Al): This quality criterion was defined based on dissolved organic carbon (DOC) concentration, hardness, and pH (value used: in situ pH). See Annex 17 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_17.htm

[19] : Silver (Ag): criterion calculated according to the hardness using the equation:[1.72 (ln hardness) - 6.52] / 1000 / 2. See Annex 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[20] : Barium (Ba): criterion calculated as a function of hardness using the equation e[1.0629 (ln hardness) + 1.1869] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[21] : Barium (Ba): criterion calculated as a function of hardness using the equation e[1.0629 (ln hardness) + 2.2354] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[22] : Beryllium (Be): criterion calculated according to the hardness using the equation e[1.6839 (ln hardness) - 5.8575] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[23] : Beryllium (Be): criterion calculated according to the hardness using the equation e[1.6839 (ln hardness) - 3.6603] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[24] : Cadmium (Cd): At water hardness > 0 but < 17 mg/L, the CEQR is 0.04 µg/L. At water hardness ≥ 17 but ≤ 280 mg/L, the CEQR is calculated using the following equation CEQR (µg/L) = 10(0.83(log[hardness]) - 2.46). At a hardness > 280 mg/L, the CEQR is 0.37 µg/L. See the calculator with online hardness: https://ccme.ca/fr/chemical/20#_aql_fresh_concentration

[25] : Cadmium (Cd): criterion calculated according to the hardness using the equation e[0.7409 (ln hardness) - 4.719] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[26] : Cadmium (Cd): criterion calculated as a function of hardness using the equation e[1.0166(ln hardness) - 3.924] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[27] : Calcium (Ca): The sensitivity of a medium to acidification varies with calcium concentration. Sensitivity Concentration high --- < 4 medium --- 4-8 low --- > 8

[28] : Copper (Cu): The CEQR for copper is a function of water hardness (expressed as CaCO3). At water hardness 0 to < 82 mg/L, the CEQR is 2 µg/L. At water hardness ≥82 and ≤ 180 mg/L. At water hardness >180 mg/L, the CEQR is 4 µg/L. The CEQR is calculated using the following equation: CEQR (µg/L) = 0.2 * e(0.8545[ln(hardness)]-1.465). See the online hardness calculator: https://ccme.ca/fr/chemical/71#_aql_fresh_concentration

[29] : Copper (Cu): criterion calculated according to the hardness using the equation e(0.8545 (ln hardness) - 1.702] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[30] : Copper (Cu): criterion calculated according to the hardness using the equation e(0.9422(ln hardness) - 1.700] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[31] : Iron (Fe): Before being compared to this quality criterion, surface water quality data must be corrected to reduce the fraction of non-bioavailable metal associated with particulate matter. A correction factor of 0.5 is used on surface water data with a suspended solids concentration < 10 mg/L

[32] : Manganese: The CEQG for manganese (i.e., long-term guideline) can be found using the CEQG calculator and reference concentrations in Appendix B of the Science Document for the Development of Canadian Water Quality Guidelines for the Protection of Aquatic Life: Manganese. See online: https://ccme.ca/fr/chemical/129#_aql_fresh_concentration

[33] : Manganese (Mg): criterion calculated according to the hardness using the equation e[0.8784 (ln hardness) + 3.5199] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[34] : Manganese (Mg): criterion calculated according to the hardness using the equation e[0.8784 (ln hardness) + 4.2889] µg/. See Annex 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[35] : Nickel (Ni): The CEQR for nickel is a function of water hardness (expressed as CaCO3). When water hardness is 0 to ≤ 60 , the CEQR is 25 µg/L The CEQR for nickel at water hardness >60 and ≤ 180 mg/L, the CEQR is calculated using the following equation: CEQR (µg/L) = e(0.76[ln(hardness)]+1.06). At water hardness >180 mg/L, the CEQR is 150 µg/L. See the online calculator: https://ccme.ca/fr/chemical/139#_aql_fresh_concentration

[36] : Nickel (Ni): criterion calculated as a function of hardness using the equation e[0.846 (ln hardness) + 0.0584] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[37] : Nickel (Ni): criterion calculated as a function of hardness using the equation e[0.846 (ln hardness) + 2.255] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[38] : Lead (Pb): The CEQR for lead is a function of water hardness (expressed as CaCO3) :At water hardness 0 to ≤ 60, the CEQR is 1 µg/L. The CEQR for lead at water hardness >60 and ≤ 180 mg/L, the CEQR is calculated using the following equation: CEQR (µg/L) = e(1.273[ln(hardness)]-4.705). At water hardness >180 mg/L, the CEQR is 7 µg/L See online calculator. https://ccme.ca/fr/chemical/124#_aql_fresh_concentration

[39] : Lead (Pb): criterion calculated as a function of hardness using the equation e[1.273 (ln hardness) - 4.705] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[40] : Lead (Pb): criterion calculated as a function of hardness using the equation e[1.273 (ln hardness) - 1.46] µg/L. See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[41] : Uranium (U): This quality criterion applies to waters with hardness ranging from >100 to 210 mg/L (CaCO3) (interim quality criterion)

[42] : Long-term CEQR is for dissolved zinc and is calculated using the following equation: EQCR = exp(0.947[ln(hardness mg-L-1)] - 0.815[pH] + 0.398[ln(DOC mg-L-1)] + 4.625) . The value shown in the table is for a surface water with a hardness of 50 mg CaCO3-L-1, a pH of 7.5, and a DOC value of 0.5 mg-L-1. The equation for CEQR is valid for a hardness of 23.4 to 399 mg CaCO3-L-1, a pH of 6.5 to 8.13, and a DOC of 0.3 to 22.9 mg-L-1.

[43] : Zinc (Zn): criterion calculated as a function of hardness using the equation e(0.8473 (ln hardness) + 0.884] µg/L (chronic and acute effect). See Appendix 12 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_12.htm

[44] : Nitrites: Permissible nitrite concentrations increase with chloride concentrations in the aquatic environment. Appendix 8 online: https://www.environnement.gouv.qc.ca/eau/criteres_eau/annexe_8.htm

[45] : C10C50 This quality criterion has been defined for the "Bunker" C oil, it has been selected because it is the most severe

Correction factor for iron of 0.5

Criterion																								
1300 ug/L	200	200	100	170	150	150	140	150	150	150	160	130	250	190	130	160	170	380	320	150	340	240	3,7	3,6	0,52	6,1
	100	100	50	85	75	75	70	75	75	75	80	65	125	95	65	80	85	190	160	75	170	120	1,85	1,8	0,26	3,05

Criteria calculation for zinc : exp(0,947[ln(dureté mg/L)] – 0,815[pH] + 0,398[ln(COD mg/L)] + 4,625)

Zinc criterion (µg/L)	2724	1818	19026	2274	3607	4542	4366	5053	3741	4551	2669	3513	2398	2584	2838	4589	3237	2754	8244	3957	3520	2217		

Table 2 Physiochemical measurements and analytical results of water samples taken from Lac des Montagnes, Spodumene Lake, Lake 1, Lake 2, Lake 18, Lake 28 and the Nemiscau River during the July 2022 follow-up

Parameters	RDL	Unit	Analytical results																		CCME[1]	MELCCFP[2]				
Sample			ST-1	ST-2	ST-3	ST-4[a]	ST-5	ST-6	ST-7A	ST-7	ST-8	ST-9	ST-10	ST-11	ST-12	ST-13	ST-14	Phantom 1	Phantom 2	Phantom 3	Blanks 1	Blanks 2	Blanks 3				
Sampling date			Surface	Surface	Surface	Surface	Surface	Surface	Fond	Fond	Surface	Fond	Surface	Fond	Surface	Surface	Surface	ST-3	ST-6	ST-12	Field 1	Field 2	Field 3	Protection of aquatic life (long term)	Protection of aquatic life (chronic effect)	Protection of aquatic life (acute effect)	Prevention of contamination (water and aquatic organisms)	Prevention of contamination (aquatic organisms only)	Recreational and aesthetic protection
			2022-07-28	2022-07-29	2022-07-28	2022-07-30	2022-07-30	2022-07-30	2022-07-29&31		2022-07-29&31		2022-07-29&31		2022-07-30	2022-07-28	2022-07-28	2022-07-28	2022-07-29	2022-07-30	2022-07-28	2022-07-29	2022-07-30						
Geographical coordinates (dd,dddddd, NAD 83)																												
Northern latitude			51,69106	51,68412	51,68907	51,69610	51,68688	51,67884	51,69283		51,69200		51,70377		51,65854	51,70554	51,64942	51,63625	51,69000	51,68300	51,69000	51,70377	51,63625						
Western latitude			-75,81649	-75,82854	-75,84611	-75,85550	-75,87479	-75,87605	-75,88028		-75,88303		-75,87776		-75,88825	-75,88055	-75,91824	-75,96007	-75,86094	-75,83710	-75,86084	-75,87876	-75,96007	-	-	-	-	-	-
Field measurement																												
Maximum depth	-	m	5	5,7	1,8	-	8,4	0,45	14,1	14,10	13	9,00	9,2	9,20	1,1	0,4	21,1	21,10	5,5	0,9	0,4	0,9	9,2	5,5	-	-	-	-
Water temperature	-	°C	19,7	19,1	19,1	18,0	18,6	16,4	18,5	18,30	18,5	18,40	18,6	17,90	17,0	20,1	17,6	8,80	17,1	17,9	20,1	17,9	18,6	17,1	-	-	-	-
pH	-	pH	6,29	5,48	6,18	5,38	5,81	6,03	5,95	6,11	5,98	6,11	5,71	6,14	6,18	5,98	6,28	6,72	6,23	5,82	6,2	5,82	5,71	6,23	-	-	-	-
Conductivity	-	µS/cm	11,2	13,1	99	10,6	14,9	26,4	14,7	14,70	14,7	14,70	14,7	14,70	14,4	13,8	14,6	14,90	14,6	11,7	13,1	11,7	14,7	14,6	-	-	-	-
Dissolved oxygen	-	%	93,5	94	94,6	90,4	92,5	94,7	92,7	92,10	93	92,20	93,5	91,60	96,1	86,6	92,3	72,50	91,2	85,3	98,3	85,1	93,5	91,2	-	-	-	-
Dissolved oxygen	-	mg/L	**8,56**	**8,71**	**8,95**	**8,56**	**8,65**	**9,25**	**8,78**	**8,71**	**8,82**	**8,72**	**8,84**	**8,67**	**9,2**	**8,68**	**8,81**	**8,43**	**8,82**	**8,09**	**8,92**	**8,09**	**8,84**	**8,82**	-	-	-	-
Transparency	-	m	1,3	1,3	1,8	-	1,6	0,45	2,25	2,25	2,35	2,35	2,05	2,05	1,1	0,4	2,3	2,3	2,5	0,5	0,4	0,5	2,05	2,5	-	-	-	-
Nutrient analysis																												
Total alkalinity (in CaCO3)	1	mg/L	1,3	1,7	1,2	1,7	4,2	3,9	4,4	4,3	4,2	4,3	4,3	4,2	4,3	2,4	4,1	4,1	4,1	1,6	1,9	2,2	3,9	4,1	<1,0	<1,0	<1,0	<1,0
pH	-	pH	5,88	5,89	5,93	5,83	5,88	5,93	6,51	6,51	6,52	6,50	6,52	6,50	6,54	5,93	6,49	6,32	6,50	5,89	6,01	5,93	6,01	5,97	5,93	5,89	6,01	5,93
Conductivity	0,001	mS/cm	0,011	0,012	0,098	0,0093	0,013	0,023	0,014	0,014	0,014	0,014	0,014	0,014	0,013	0,0094	0,014	0,014	0,014	0,0099	0,011	0,0097	0,014	0,014	<0,0010	<0,0010	<0,0010	<0,0010
Dissolved organic carbon (DOC)	0,20	mg/L	6,6	7,3	6,4	7,2	5,0	5,1	5,1	5,1	5,1	5,1	5,0	5,2	4,9	5,1	5,2	5,3	5,4	5,1	11	7,3	6,5	5,0	4,9	<0,20	<0,20	0,28
Total organic carbon (TOC)	0,20	mg/L	6,5	7,2	6,3	7,1	5,2	6,4	5,1	5,1	5,1	5,1	5,0	5,2	5,2	5,5	5,3	5,6	5,0	12	7,2	6,7	5,1	5,1	<0,20	<0,20	<0,20	0,21
Dissolved carbon	0,20	mg/L	6,1	6,8	7,7	8,8	7,0	8,0	6,8	7,0	6,9	6,9	6,8	6,8	7,0	6,8	6,8	7,7	6,8	14	8,4	8,2	6,8	6,7	0,25	0,61	0,27	0,24
Dissolved inorganic carbon	0,20	mg/L	1,5	1,5	1,3	1,6	1,9	1,9	1,7	1,9	1,8	1,8	1,8	1,9	1,9	1,9	1,6	1,7	2,4	1,1	1,7	1,8	1,8	1,8	0,25	0,61	<0,20	<0,20
Biochemical oxygen demand (DBO_5)	2,0	mg/L	<2,7	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0
Total hardness (in CaCO3)	40	µg/L	3600	4100	30000	3400	5600	9300	5800	5700	5800	5800	5800	5800	5700	3900	5800	5800	5900	3900	4200	3500	5800	6600	<40	<40	<40	<40
Suspended solids (SS)	0,21	mg/L	1,1	1,1	0,40	2,6	1,6	2,2	1,1	0,80	0,51	1,3	1,2	1,1	1,2	1,7	0,84	1,2	0,60	2,0	1,1	1,5	1,1	0,84	<0,21	<0,20	<0,20	<0,21
Total dissolved solids	10	mg/L	17	25	30	23	12	24	19	13	23	13	18	20	18	21	16	13	20	28	29	25	17	23	<10	<10	<10	<10
Total solids	10	mg/L	16	28	68	56	44	76	20	16	28	32	44	60	130	72	52	48	64	48	56	48	56	60	<10	<10	<10	<10
Turbidity	0,10	uTN	0,47	0,60	0,22	0,81	0,48	0,47	0,41	0,41	0,46	0,45	0,49	0,44	0,34	0,44	0,32	0,54	0,30	0,48	0,51	0,41	0,32	0,31	0,10	<0,10	<0,10	<0,10
Anions																												
Bromides (Br-)	0,10	mg/L	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10
Chloride (Cl-)	0,050	mg/L	0,24	0,48	0,60	0,24	0,30	0,35	0,28	0,28	0,27	0,30	0,27	0,29	0,28	0,31	0,28	0,26	0,25	0,29	0,42	0,27	0,29	0,29	0,079	0,087	0,082	0,057
Fluorides (F-)	0,010	mg/L	0,020	0,019	0,029	0,019	0,017	0,019	0,017	0,017	0,018	0,017	0,017	0,019	0,016	0,022	0,025	0,016	0,017	0,017	0,020	0,020	0,017	0,016	<0,010	<0,010	<0,010	<0,010
Sulfates	0,15*	mg/L	0,67	1,13	35,50	0,70	0,71	4,64	0,79	0,67	0,67	0,67	0,66	0,67	0,74	0,59	0,68	0,73	0,69	0,74	1,14	0,85	0,68	0,66	<0,15	<0,15	<0,15	<0,15
Sulfides (in S^{2-})	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020
Nitrogen																												
Ammoniacal nitrogen (in N-NH3)	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020
Nitrates (in N)	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	0,040	0,060	0,021	<0,020	<0,020	<0,020	<0,020	<0,020	0,083	<0,020	<0,020	<0,020	<0,020
Nitrite (in N)	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020
Nitrates and Nitrites	0,020	mg/L	<0,020	<0,020	<0,020	<0,020	<0,020	0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	0,040	0,060	0,021	<0,020	<0,020	<0,020	<0,020	<0,020	0,083	<0,020	<0,020	<0,020	<0,020
Total phosphorus	0,8*	µg/L	5,60	6,83	6,33	9,23	5,17	6,07	5,43	5,60	5,03	5,70	5,00	9,00	4,60	5,73	3,87	7,27	3,70	6,78	7,40	5,73	5,82	5,00	3,50	3,2	<0,8	<0,8
Total Kjeldahl nitrogen (in N)	0,40	mg/L	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40
Total metals and metalloids (unless otherwise specified)																												
Aluminum (Al)	5,0	µg/L	**87**	***110***	**84**	***140***	**50**	**72**	***51***	**52**	**49**	**50**	**54**	**49**	**70**	**46**	***84***	**47**	***230***	**110**	**85**	**51**	**60**	<5,0	<5,0	<5,0	<5,0
Antimony (Sb)	0,0050	µg/L	0,020	0,076	0,023	0,052	0,020	0,016	0,013	0,037	0,015	0,018	0,018	0,018	0,022	0,016	0,026	0,020	0,017	0,022	0,077	0,014	0,020	0,018	<0,0050	<0,0050	<0,0050	<0,0050
Silver (Ag)	0,0030	µg/L	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030
Arsenic (As)	0,080	µg/L	0,18	0,69	0,18	0,24	0,21	0,23	0,21	0,22	0,21	0,23	0,18	0,26	0,21	0,21	0,20	0,30	0,21	0,36	0,65	0,18	0,21	0,23	<0,080	<0,080	<0,080	5
Barium (Ba)	0,030	µg/L	3,3	3,4	10	5,0	3,8	5,6	3,5	3,7	3,4	3,3	3,4	3,5	3,1	2,2	3,4	4,2	3,3	5,4	3,3	3,2	3,3	3,7	<0,030	0,061	<0,030	0,057
Beryllium (Be)	0,010	µg/L	<0,010	<0,010	0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	0,016	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010
Bismuth (Bi)	0,0090	µg/L	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090	<0,0090
Boron (B)	0,30	µg/L	1,2	1,2	8,6	0,88	0,89	2,0	0,86	0,86	0,87	0,87	0,86	0,87	1500	1,1	0,79	0,81	0,78	0,90	1,2	0,83	0,86	1,3	<0,30	<0,30	<0,30	<0,30
Cadmium (Cd)	0,0060	µg/L	0,0067	0,0090	0,031	0,0092	<0,0060	0,0096	<0,0060	<0,0060	<0,0060	<0,0060	<0,0060	0,0071	<0,0060	0,0063	<0,0060	0,0078	<0,0060	0,012	0,0069	0,0066	<0,0060	<0,0060	<0,0060	<0,0060	<0,0060	<0,0060
Calcium (Ca)	20	µg/L	1100	1200	10000	1000	1800	2800	1600	1600	1600	1600	1600	1600	1500	1100	1600	1600	1500	1100	1200	1100	1600	1800	<20	<20	<20	<20
Chromium (Cr)	0,040	µg/L	0,14	0,25	0,18	0,18	0,17	0,21	0,18	0,17	0,17	0,17	0,17	0,14	0,18	0,15	0,18	0,15	0,23	0,14	0,42	0,27	0,13	0,16	0,12	<0,040	<0,040	<0,040
Cobalt (Co)	0,0080	µg/L	0,071	0,13	1,4	0,097	0,033	0,21	0,025	0,024	0,024	0,024	0,026	0,029	0,020	0,039	0,017	0,063	0,016	0,53	0,13	0,067	0,025	0,022	<0,0080	<0,0080	<0,0080	<0,0080
Copper (Cu)	0,050	µg/L	0,42	0,46	1,2	0,50	0,26	0,40	0,19	0,38	0,20	1,0	0,19	0,73	0,23	0,19	0,18	0,48	0,22	0,94	0,44	0,36	0,20	0,23	<0,050	<0,050	<0,050	<0,050
Tin (Sn)	0,050	µg/L	<0,050	<0,050	0,18	<0,050	<0,050	<0,050	0,056	5,7	<0,050	4,0	<0,050	5,1	<0,050	<0,050	<0,050	1,8	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050
Iron (Fe)	0,50	µg/L	120	170	90	120	92	140	89	92	88	89	100	61	130	62	***320***	64	***830***	200	110	88	81	2	1 <0,50	1,5	0,58	300
Lithium (Li)	0,10	µg/L	0,86	0,91	8,6	0,82	0,38	2,4	0,29	0,33	0,31	0,33	0,30	0,32	0,33	0,65	0,30	0,36	0,31	1,6	0,98	0,85	0,31	0,40	<0,10	<0,10	<0,10	<0,10
Magnesium (Mg)	10	µg/L	180	220	1500	200	430	560	460	460	460	460	460	460	450	270	450	460	460	270	220	180	460	530	<10	<10	<10	<10
Manganese (Mn)	0,030	µg/L	3,3	3,9	3,2	3,5	4,6	6,9	5,2	5,4	5,2	5,3	5,2	6,1	2,8	4,0	2,9	16	2,9	19	4,2	3,2	5,2	3,3	<0,030	<0,030	0,058	None[32]
Mercury (Hg)	0,0013	µg/L	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	<0,0013	0,026
Molybdenum (Mo)	0,010	µg/L	0,21	0,22	0,17	0,27	0,11	0,15	0,078	0,079	0,078	0,078	0,086	0,087	0,081	0,095	0,077	0,065	0,075	0,28	0,23	0,18	0,076	0,089	<0,010	<0,010	<0,010	73
Nickel (Ni)	0,030	µg/L	0,14	0,38	6,6	0,19	0,15	0,84	0,15	0,14	0,13	0,13	0,14	0,20	0,13	0,12	0,12	0,18	0,17	0,64	0,40	0,13	0,13	0,17	<0,030	<0,030	<0,030	0,11
Lead (Pb)	0,010	µg/L	0,093	0,12	0,084	0,23	0,053	0,093	0,061	0,076	0,057	0,060	0,062	0,074	0,037	0,057	0,23	0,035	0,19	0,13	0,099	0,058	0,038	0,042	<0,010	<0,010	<0,010	<0,010
Potassium (K)	10	µg/L	190	220	660	200	230	280	220	220	230	220	220	220	200	220	220	230	230	140	240	210	220	250	<10	<10	<10	<10
Selenium (Se)	0,050	µg/L	<0,050	<0,050	0,13	<0,050	<0,050	0,055	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	0,061	0,055	<0,050	0,053	<0,050	<0,050	<0,050	<0,050
Sodium (Na)	10	µg/L	770	800	1700	750	660	890	640	660	670	650	660	630	720	640	650	670	650	810	870	630	640	580	<10	<10	<10	1
Strontium (Sr)	0,040	µg/L	6,9	8,4	52	7,2	8,8	15	8,7	8,9	8,9	8,8	8,8	8,8	8,5	7,7	8,4	9,0	8,5	6,9	8,3	6,9	8,7	8,7	<0,040	<0,040	<0,040	5
Tellurium (Te)	0,050	µg/L	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050	<0,050
Thallium (Tl)	0,010	µg/L	<0,010	<0,010	0,012	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010
Thorium (Th)	0,40	µg/L	<0,40	1,6	0,84	1,6	<0,40	<0,40	0,47	0,54	0,40	0,66	0,53	0,83	0,74	0,45	1,2	<0,40	2,8	1,3	<0,40	0,50	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40
Tungsten (W)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040
Uranium (U)	0,0010	µg/L	0,14	0,12	0,058	0,40	0,14	0,093	0,071	0,074	0,071	0,072	0,071	0,072	0,071	0,24	0,071	0,077	0,072	0,15	0,12	0,14	0,070	0,082	<0,0010	<0,0010	<0,0010	<0,0010
Vanadium (V)	0,050	µg/L	0,35	0,25	0,12	0,33	0,097	0,11	0,093	0,093	0,093	0,088	0,088	0,086	0,10	0,070	0,13	0,066	0,19	0,070	0,29	0,16	0,091	0,091	<0,050	<0,050	<0,050	15
Zinc (Zn)	0,50	µg/L	2,9	2,9	15	2,1	0,65	2,3	***25***	1,5	0,71	2,5	0,58	9,2	0,92	0,81	0,62	2,0	0,58	3,2	1,4	1,5	0,69	<0,50	<0,50	<0,50	<0,50	None[32]
Metals - Cations																												
Cerium (Ce)	0,040	µg/L	0,44	0,61	0,38	0,40	0,30	0,37	0,29	0,25	0,26	0,25	0,25	0,26	0,24	0,36	0,24	0,65	0,23	1,1	0,58	0,44	0,25	0,23	<0,040	<0,040	<0,040	<0,040
Cesium (Cs)	0,020	µg/L	0,13	0,13	1,2	0,15	0,060	0,28	0,033	0,032	0,032	0,031	0,032	0,028	0,039	0,065	0,032	0,052	0,031	0,15	0,13	0,12	0,032	0,036	<0,020	<0,020	<0,020	<0,020
Dysprosium (Dy)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	0,057	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040
Erbium (Er)	0,020	µg/L	<0,020	<0,020	<0,020	0,022	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	0,033	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020
Europium (Eu)	0,020	µg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020
Gadolinium (Gd)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	0,043	<0,040	0,072	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040
Holmium (Ho)	0,015	µg/L	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015
Gallium (Ga)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040
Lanthanum (La)	0,020	µg/L	0,21	0,37	0,28	0,24	0,20	0,24	0,18	0,17	0,17	0,17	0,17	0,17	0,23	0,17	0,38	0,16	0,55	0,26	0,29	0,17	0,16	0,20	<0,020	<0,020	<0,020	<0,020
Lutetium (Lu)	0,016	µg/L	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016
Neodymium (Nd)	0,040	µg/L	0,22	0,29	0,19	0,22	0,16	0,19	0,14	0,13	0,14	0,14	0,13	0,14	0,13	0,18	0,13	0,33	0,13	0,46	0,28	0,22	0,13	0,13	<0,040	<0,040	<0,040	<0,040
Praseodymium (Pr)	0,010	µg/L	0,061	0,079	0,052	0,066	0,043	0,052	0,038	0,037	0,039	0,038	0,037	0,037	0,035	0,048	0,036	0,087	0,035	0,12	0,074	0,059	0,036	0,036	<0,010	<0,010	<0,010	<0,010
Rhenium (Re)	0,040	µg/L	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040	<0,040
Rhodium (Rh)	0,020	µg/L	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020
Rubidium (Rb)	0,020	µg/L	0,89	1,1	3,5	1,3	0,98	1,3	0,85	0,85	0,74	0,84	0,72	0,71	0,73	1,0	0,85	0,75	0,71	0,86	0,94	0,77	0,71	0,70	<0,020	<0,020	<0,020	<0,020
Samarium (Sm)	0,030	µg/L	0,034	0,044	0,030	0,040	<0,030	0,033	<0,030	<0,030	<0,030	<0,030	<0,030	<0,030	<0,030	<0,030	<0,030	0,050	<0,030	0,082	0,044	0,035	<0,030	<0,030	<0,030	<0,030	<0,030	<0,030
Scandium (Sc)	0,020	µg/L	<0,020	0,022	0,022	0,028	0,020	0,025	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	0,026	<0,020	0,044	0,029	<0,020	<0,020	0,020	<0,020	<0,020	<0,020	<0,020
Terbium (Tb)	0,010	µg/L	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010
Thorium (Th)	0,015	µg/L	0,015	0,020	0,020	0,018	<0,015	0,019	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015	<0,015
Thulium (Tm)	0,016	µg/L	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016
Titanium (Ti)	0,070	µg/L	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070	<0,070

Annexe 3

Results of Surface Water Quality Control with Blanks

Table 1 Quality control results with field blanks and transport blanks, June 2022

Parameter	RDL	MDL	September 2021							
			Transport blank 1	Report	Transport blank 1	Report	Field blank 2	Report	Field blank 3	Report
			2022-06-01		2022-06-01		2022-06-02		2022-06-03	
Total alkalinity (in CaCO3)	1	-	<1,0	-	<1,0	-	<1,0	-	<1,0	-
pH	-		5,96	-	5,80	-	5,94	-	5,88	-
Conductivity	0,001	-	<0,0010	-	<0,0010	-	<0,0010	-	<0,0010	-
Dissolved organic carbon (DOC)	0,200	-	<0,20	-	<0,20	-	<0,20	-	<0,20	-
Total inorganic carbon	0,200	-	<0,20	-	<0,20	-	<0,20	-	<0,20	-
Dissolved carbon	0,200	-	0,23	1,15	0,26	1,3	0,39	1,95	0,41	2,05
Dissolved inorganic carbon	0,200	-	0,23	1,15	0,26	1,3	0,39	1,95	0,41	2,05
Biochemical oxygen demand (BOD_5)	2	-	<2,0	-	<2,0	-	<2,2	-	<2,2	-
Total hardness (in CaCO3)	40	-	<150	-	<150	-	<40	-	<150	-
Suspended solids (SS)	0,200	-	<2,0	-	<2,0	-	<2,0	-	<2,0	-
Total dissolved solids	10	-	<10	-	<10	-	<11	-	<10	-
Total solids	10	-	<10	-	<10	-	<10	-	<10	-
Turbidity	0,100	-	<0,10	-	<0,10	-	0,18	1,8	<0,10	-
Bromides (Br-)	0,100	-	<0,10	-	<0,10	-	<0,10	-	<0,10	-
Chloride (Cl-)	0,050	-	0,051	1,02	0,062	1,24	0,052	1,04	<0,050	-
Fluorides (F-)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Sulfates	0,150	0,15	<0,15	-	<0,15	-	<0,15	-	<0,15	-
Sulfides (in S2-)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Ammoniacal nitrogen (in N-NH3)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Nitrates (in N)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Nitrite (in N)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Nitrates and Nitrites	0,020	0,6	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Total phosphorus	0,600	-	-	-	-	-	-	-	-	-
Total Kjeldahl nitrogen (in N)	0,400	-	<0,40	-	<0,40	-	<0,40	-	<0,40	-
Aluminium (Al)	5	-	<5,0	-	<5,0	-	<5,0	-	<5,0	-
Antimony (Sb)	0,005	-	<0,0050	-	<0,0050	-	<0,0050	-	<0,0050	-
Silver (Ag)	0,003	-	<0,0030	-	<0,0030	-	<0,0030	-	<0,0030	-
Arsenic (As)	0,080	-	<0,080	-	<0,080	-	<0,080	-	<0,080	-
Barium (Ba)	0,030	-	0,096	3,2	0,044	1,47	<0,030	-	0,050	1,67
Beryllium (Be)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Bismuth (Bi)	0,009	-	<0,0090	-	<0,0090	-	<0,0090	-	<0,0090	-
Boron (B)	0,300	-	<0,30	-	<0,30	-	<0,30	-	<0,30	-
Cadmium (Cd)	0,006	-	<0,0060	-	<0,0060	-	<0,0060	-	<0,0060	-
Calcium (Ca)	20	-	<60	-	<60	-	<20	-	<60	-
Chromium (Cr)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Cobalt (Co)	0,008	-	<0,0080	-	<0,0080	-	<0,0080	-	0,017	2,13
Copper (Cu)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Tin (Sn)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Iron (Fe)	0,500	-	3,7	7,4	3,6	7,20	0,52	1,04	6,1	12,20
Lithium (Li)	0,100	-	0,14	1,4	<0,10	-	<0,10	-	0,15	1,50
Magnesium (Mg)	10	-	<10	-	<10	-	<10	-	<10	-
Manganese (Mn)	0,030	-	<0,080	-	<0,080	-	<0,030	-	0,24	8,00
Mercury (Hg)	0,001	-	<0,0030	-	<0,0030	-	<0,0020	-	<0,0030	-
Molybdenum (Mo)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Nickel (Ni)	0,030	-	<0,030	-	<0,030	-	<0,030	-	<0,030	-
Lead (Pb)	0,010	-	0,016	1,6	<0,010	-	<0,010	-	<0,010	-
Potassium (K)	10	-	<10	-	<10	-	<10	-	<10	-
Selenium (Se)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Sodium (Na)	10	-	<10	-	<10	-	<10	-	<10	-
Strontium (Sr)	0,400	-	<0,30	-	<0,30	-	<0,040	-	<0,30	-
Tellurium (Te)	0,005	-	<0,0050	-	<0,0050	-	<0,0050	-	<0,0050	-
Thallium (Tl)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Titanium (Ti)	0,400	-	<0,40	-	0,43	1,08	<0,40	-	<0,40	-
Tungsten (W)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Uranium (U)	0,001	-	<0,0010	-	<0,0010	-	<0,0010	-	<0,0010	-
Vanadium (V)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Zinc (Zn)	0,500	-	<1,4	-	<1,4	-	<0,62	-	1,5	3,00
Metals ICP-MS										
Cerium (Ce)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Cesium (Cs)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Dysprosium (Dy)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Erbium (Er)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Europium (Eu)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Gadolinium (Gd)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Holmium (Ho)	0,015	-	<0,015	-	<0,015	-	<0,015	-	<0,015	-
Gallium (Ga)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Lanthanum (La)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Lutetium (Lu)	0,016	-	<0,016	-	<0,016	-	<0,016	-	<0,016	-
Neodymium (Nd)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Praseodymium (Pr)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Rhenium (Re)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Rhodium (Rh)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Rubidium (Rb)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Samarium (Sm)	0,030	-	<0,030	-	<0,030	-	<0,030	-	<0,030	-
Scandium (Sc)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Terbium (Tb)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Thorium (Th)	0,015	-	<0,015	-	<0,015	-	<0,015	-	<0,015	-
Thulium (Tm)	0,016	-	<0,016	-	<0,016	-	<0,016	-	<0,016	-
Ytterbium (Yb)	0,070	-	<0,070	-	<0,070	-	<0,070	-	<0,070	-
Yttrium (Y)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Chlorophyll α	0,10	-	<0,1	-	<0,1	-	<0,1	-	-	-
Petroleum hydrocarbons C10-C5013	100	-	<100	-	<100	-	<100	-	<100	-
Radium 226 (Ra^{226})	0,005	-	<0,005	-	<0,005	-	<0,005	-	<0,005	-

Table 2 Quality control results with field blanks and transport blanks, July 2022

Parameter	RDL	MDL	September 2021							
			Field blank 1	Report	Transport blank 1	Report	Field blank 2	Report	Field blank 3	Report
			2022-07-28		2022-07-28		2022-07-29		2022-07-30	
Total alkalinity (in CaCO3)	1	-	<1,0	-	<1,0	-	<1,0	-	<1,0	-
pH	-		5,53	-	5,70	-	5,41	-	5,41	-
Conductivity	0,001	-	<0,0010	-	<0,0010	-	<0,0010	-	<0,0010	-
Dissolved organic carbon (DOC)	0,200	-	<0,20	-	<0,20	-	0,32	1,6	0,28	1,4
Total organic carbon (TOC)	0,200	-	<0,20	-	<0,20	-	<0,20	-	0,21	1,05
Dissolved carbon	0,200	-	0,25	1,25	0,61	3,05	0,27	1,35	0,24	1,2
Dissolved inorganic carbon	0,200	-	0,25	1,25	0,61	3,05	<0,20	-	<0,20	-
Biochemical oxygen demand (DBO_5)	2	-	<2,0	-	<2,0	-	<2,0	-	<2,0	-
Total hardness (in $CaCO_3$)	40	-	<40	-	<40	-	<40	-	<40	-
Suspended solids (SS)	0,200	-	<0,21	-	<0,20	-	<0,20	-	<0,21	-
Total dissolved solids	10	-	<10	-	<10	-	<10	-	<10	-
Total solids	10	-	<10	-	<10	-	<10	-	<10	-
Turbidity	0,100	-	0,10	1	<0,10	-	0,10	1	<0,10	-
Bromides (Br-)	0,100	-	<0,10	-	<0,10	-	<0,10	-	<0,10	-
Chloride (Cl-)	0,050	-	0,079	1,58	0,087	1,74	0,082	1,64	0,057	1,14
Fluorides (F-)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Sulfates	0,150	0,15	<0,15	-	<0,15	-	<0,15	-	<0,15	-
Sulfides (in S^{2-})	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Ammoniacal nitrogen (in N-NH3)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Nitrates (in N)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Nitrite (in N)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Nitrates and Nitrites	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Total phosphorus	0,600	0,6	3,2	5,33	<0,6	-	<0,6	-	<0,6	-
Total Kjeldahl nitrogen (in N)	0,400	-	<0,40	-	<0,40	-	<0,40	-	<0,40	-
Aluminium (Al)	5	-	<5,0	-	<5,0	-	<5,0	-	<5,0	-
Antimony (Sb)	0,005	-	<0,0050	-	<0,0050	-	<0,0050	-	<0,0050	-
Silver (Ag)	0,003	-	<0,0030	-	<0,0030	-	<0,0030	-	<0,0030	-
Arsenic (As)	0,080	-	<0,080	-	<0,080	-	<0,080	-	<0,080	-
Barium (Ba)	0,030	-	<0,030	-	0,081	2,70	<0,030	-	0,057	1,90
Beryllium (Be)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Bismuth (Bi)	0,009	-	<0,0090	-	<0,0090	-	<0,0090	-	<0,0090	-
Boron (B)	0,300	-	<0,30	-	<0,30	-	<0,30	-	<0,30	-
Cadmium (Cd)	0,006	-	<0,0060	-	<0,0060	-	<0,0060	-	<0,0060	-
Calcium (Ca)	20	-	<20	-	<20	-	<20	-	<20	-
Chromium (Cr)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Cobalt (Co)	0,008	-	<0,0080	-	<0,0080	-	<0,0080	-	<0,0080	-
Copper (Cu)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Tin (Sn)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Iron (Fe)	0,500	-	1,5	3	0,98	1,96	<0,50	-	0,55	1,10
Lithium (Li)	0,100	-	<0,10	-	<0,10	-	<0,10	-	<0,10	-
Magnesium (Mg)	10	-	<10	-	<10	-	<10	-	<10	-
Manganese (Mn)	0,030	-	<0,030	-	<0,030	-	<0,030	-	0,058	1,93
Mercury (Hg)	0,001	-	<0,0013	-	<0,0013	-	<0,0013	-	<0,0013	-
Molybdenum (Mo)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Nickel (Ni)	0,030	-	<0,030	-	<0,030	-	<0,030	-	0,11	3,67
Lead (Pb)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Potassium (K)	10	-	<10	-	<10	-	<10	-	<10	-
Selenium (Se)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Sodium (Na)	10	-	<10	-	<10	-	<10	-	<10	-
Strontium (Sr)	0,400	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Tellurium (Te)	0,005	-	<0,0050	-	<0,0050	-	<0,0050	-	<0,0050	-
Thallium (Tl)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Titanium (Ti)	0,400	-	<0,40	-	<0,40	-	<0,40	-	<0,40	-
Tungsten (W)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Uranium (U)	0,001	-	<0,0010	-	<0,0010	-	<0,0010	-	<0,0010	-
Vanadium (V)	0,050	-	<0,050	-	<0,050	-	<0,050	-	<0,050	-
Zinc (Zn)	0,500	-	<0,50	-	<0,50	-	<0,50	-	<0,50	-
Metals ICP-MS										
Cerium (Ce)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Cesium (Cs)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Dysprosium (Dy)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Erbium (Er)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Europium (Eu)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Gadolinium (Gd)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Holmium (Ho)	0,015	-	<0,015	-	<0,015	-	<0,015	-	<0,015	-
Gallium (Ga)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Lanthanum (La)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Lutetium (Lu)	0,016	-	<0,016	-	<0,016	-	<0,016	-	<0,016	-
Neodymium (Nd)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Praseodymium (Pr)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Rhenium (Re)	0,040	-	<0,040	-	<0,040	-	<0,040	-	<0,040	-
Rhodium (Rh)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Rubidium (Rb)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Samarium (Sm)	0,030	-	<0,030	-	<0,030	-	<0,030	-	<0,030	-
Scandium (Sc)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Terbium (Tb)	0,010	-	<0,010	-	<0,010	-	<0,010	-	<0,010	-
Thorium (Th)	0,015	-	<0,015	-	<0,015	-	<0,015	-	<0,015	-
Thulium (Tm)	0,016	-	<0,016	-	<0,016	-	<0,016	-	<0,016	-
Ytterbium (Yb)	0,070	-	<0,070	-	<0,070	-	<0,070	-	<0,070	-
Yttrium (Y)	0,020	-	<0,020	-	<0,020	-	<0,020	-	<0,020	-
Chlorophyll α	0,10	-	-	-	<0,1	-	<0,1	-	<0,1	-
Petroleum hydrocarbons C10-C5013	100	-	<100	-	<100	-	<100	-	<100	-
Radium 226 (Ra^{226})	0,005	-	<0,005	-	<0,005	-	<0,005	-	<0,005	-

Annexe 4

Surface Water Quality Control Results with Duplicates

Table 1 Quality control results with duplicates, June 2022

Parameter	RDL	MDL	June 2021								
			ST-7A			ST-9			ST-2		
			Surface	Dup (surface)	Relative difference (%)	Surface	Dup (surface)	Relative difference (%)	Surface	Dup (surface)	Relative difference (%)
			2022-06-01			2022-06-02			2022-06-03		
Geographical coordinates (dd,ddddd; NAD 83)											
Northern latitude	-	-	51,69283			51,65854			51,68412		
Western latitude	-	-	-75,88028			-75,88825			-75,82854		
Chemical analysis											
Total alkalinity (in CaCO3)	1	-	4,5	4,1	9,30	1,5	1,4	6,90	1,2	1,2	0,00
pH	-		6,54	6,54	0,00	5,99	5,98	0,17	5,95	5,91	0,67
Conductivity	0,001	-	0,013	0,013	0,00	0,0084	0,0082	2,41	0,0077	0,0076	1,31
Dissolved organic carbon (DOC)	0,200	-	5,2	5,4	-3,77	7,3	7,3	0,00	6,9	7,0	-1,44
Total organic carbon (TOC)	0,200	-	5,3	5,3	0,00	7,1	7,0	1,42	6,8	6,8	0,00
Dissolved carbon	0,200		7,3	7,4	-1,36	9,1	9,0	1,10	8,6	8,5	1,17
Dissolved inorganic carbon	0,200	-	2,1	1,9	10,00	1,8	1,7	5,71	1,7	1,5	12,50
Biochemical oxygen demand (DBO_5)	2	-	<2,0	<2,0	NQ	<2,0	<2,1	NQ	<2,2	<2,6	NQ
Total hardness (in $CaCO_3$)	40	-	7100	6300	11,94	3000	4500	-40,00	3100	3800	-20,29
Suspended solids (SS)	0,200	-	0,70	0,70	0,00	4,0	7,0	**-54,55**	3,0	3,0	0,00
Total dissolved solids	10	-	29	24	18,87	27	27	0,00	37	22	**50,85**
Total solids	10	-	36	28	25,00	56	52	7,41	80	44	**58,06**
Turbidity	0,100		0,71	0,54	27,20	0,81	0,72	11,76	0,74	0,77	-3,97
Anions											
Bromides (Br-)	0,100	-	<0,10	<0,10	NQ	<0,10	<0,10	NQ	<0,10	<0,10	NQ
Chloride (Cl-)	0,050	-	0,22	0,22	0,00	0,21	0,20	4,88	0,21	0,19	10,00
Fluorides (F-)	0,010	-	0,013	0,014	-7,41	0,012	0,012	NQ	<0,010	0,012	NQ
Sulfates	0,150	-	0,65	0,65	0,00	0,66	0,64	3,08	0,68	0,66	2,99
Sulfides (in S^{2-})	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nutrients											
Ammoniacal nitrogen (in N-NH3)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nitrates (in N)	0,020	-	0,038	0,038	0,00	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nitrite (in N)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nitrates and Nitrites	0,020	0,6	0,038	0,038	0,00	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Total phosphorus	0,600	-	5,10	4,77	6,76	6,40	6,00	6,45	7,03	7,10	-0,94
Total Kjeldahl nitrogen (in N)	0,400		<0,40	<0,40	NQ	<0,40	<0,40	NQ	<0,40	<0,40	NQ
Total extractable metals and metalloids											
Aluminium (Al)	5	-	84	82	2,41	110	160	-37,04	130	160	-20,69
Antimony (Sb)	0,005	-	0,021	0,017	21,05	0,049	0,053	-7,84	0,054	0,061	-12,17
Silver (Ag)	0,003	-	<0,0030	<0,0030	NQ	<0,0030	<0,0030	NQ	<0,0030	0,0030	NQ
Arsenic (As)	0,080	-	0,17	0,21	-21,05	0,57	0,70	-20,47	0,52	0,54	-3,77
Barium (Ba)	0,030	-	4,5	4,3	4,55	3,0	3,7	-20,90	3,1	3,6	-14,93
Beryllium (Be)	0,010	-	<0,010	<0,010	NQ	<0,010	0,011	NQ	<0,010	<0,010	NQ
Bismuth (Bi)	0,009	-	<0,0090	<0,0090	NQ	<0,0090	<0,0090	NQ	<0,0090	<0,0090	NQ
Boron (B)	0,300	-	1,4	1,1	24,00	1,1	1,4	-24,00	1,2	1,5	-22,22
Cadmium (Cd)	0,006	-	0,0072	0,0070	2,82	0,019	0,023	-19,05	0,011	0,012	-8,70
Calcium (Ca)	20	-	2100	1800	15,38	900	1300	-36,36	1000	1200	-18,18
Chromium (Cr)	0,040	-	0,23	0,24	-4,26	0,23	0,35	-41,38	0,23	0,23	0,00
Cobalt (Co)	0,008	-	0,048	0,040	18,18	0,18	0,23	-24,39	0,21	0,25	-17,39
Copper (Cu)	0,050	-	0,32	0,60	**-60,87**	0,41	0,55	-29,17	0,60	0,62	-3,28
Tin (Sn)	0,050	-	<0,050	<0,050	NQ	<0,050	<0,050	NQ	<0,050	<0,050	NQ
Iron (Fe)	0,500	-	140	150	-6,90	250	340	-30,51	200	240	-18,18
Lithium (Li)	0,100	-	0,36	0,34	5,71	0,63	1,1	**-54,34**	0,64	1,1	**-52,87**
Magnesium (Mg)	10	-	460	460	0,00	190	280	-38,30	160	220	-31,58
Manganese (Mn)	0,030	-	6,6	6,7	-1,50	6,7	8,9	-28,21	7,3	8,5	-15,19
Mercury (Hg)	0,001	-	<0,0020	<0,0020	NQ	0,0021	<0,0030	NQ	<0,0020	<0,0030	NQ
Molybdenum (Mo)	0,010	-	0,077	0,071	8,11	0,12	0,13	-8,00	0,14	0,15	-6,90
Nickel (Ni)	0,030	-	0,26	0,22	16,67	0,40	0,53	-27,96	0,81	0,61	28,17
Lead (Pb)	0,010	-	0,083	0,066	22,82	0,11	0,15	-30,77	0,12	0,16	-28,57
Potassium (K)	10	-	260	260	0,00	200	310	-43,14	220	300	-30,77
Selenium (Se)	0,050	-	<0,050	<0,050	NQ	<0,050	<0,050	NQ	<0,050	<0,050	NQ
Sodium (Na)	10	-	630	630	0,00	460	690	-40,00	520	620	-17,54
Strontium (Sr)	0,400	-	9,7	9,2	5,29	5,9	7,6	-25,19	6,2	6,8	-9,23
Tellurium (Te)	0,005	-	<0,0050	<0,0050	NQ	<0,0050	<0,0050	NQ	<0,0050	<0,0050	NQ
Thallium (Tl)	0,010	-	<0,010	<0,010	NQ	<0,010	<0,010	NQ	<0,010	<0,010	NQ
Titanium (Ti)	0,400	-	1,1	1,1	0,00	1,4	2,0	-35,29	1,5	2,1	-33,33
Tungsten (W)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Uranium (U)	0,001	-	0,068	0,065	4,51	0,067	0,088	-27,10	0,076	0,090	-16,87
Vanadium (V)	0,050	-	0,12	0,12	0,00	0,27	0,31	-13,79	0,28	0,30	-6,90
Zinc (Zn)	0,500	-	<0,60	1,5	NQ	1,6	3,6	**-76,92**	1,1	4,0	**-113,73**
Total extractable rare earth elements and rare metals											
Cerium (Ce)	0,040	-	0,27	0,27	0,00	0,44	0,43	2,30	0,39	0,39	0,00
Cesium (Cs)	0,020	-	0,027	0,027	0,00	0,085	0,082	3,59	0,082	0,082	0,00
Dysprosium (Dy)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Erbium (Er)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Europium (Eu)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Gadolinium (Gd)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Holmium (Ho)	0,015	-	<0,015	<0,015	NQ	<0,015	<0,015	NQ	<0,015	<0,015	NQ
Gallium (Ga)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Lanthanum (La)	0,020	-	0,19	0,18	5,41	0,26	0,26	0,00	0,24	0,24	0,00
Lutetium (Lu)	0,016	-	<0,016	<0,016	NQ	<0,016	<0,016	NQ	<0,016	<0,016	NQ
Neodymium (Nd)	0,040	-	0,15	0,15	0,00	0,21	0,20	4,88	0,18	0,18	0,00
Praseodymium (Pr)	0,010	-	0,040	0,040	0,00	0,057	0,055	3,57	0,050	0,049	2,02
Rhenium (Re)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Rhodium (Rh)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Rubidium (Rb)	0,020	-	0,75	0,74	1,34	0,82	0,85	-3,59	0,82	0,84	-2,41
Samarium (Sm)	0,030	-	<0,030	<0,030	NQ	0,033	0,031	6,25	<0,030	0,030	NQ
Scandium (Sc)	0,020	-	0,024	0,022	8,70	0,028	0,023	19,61	<0,020	0,027	NQ
Terbium (Tb)	0,010	-	<0,010	<0,010	NQ	<0,010	<0,010	NQ	<0,010	<0,010	NQ
Thorium (Th)	0,015	-	<0,015	<0,015	NQ	0,015	0,015	0,00	0,015	<0,015	NQ
Thulium (Tm)	0,016	-	<0,016	<0,016	NQ	<0,016	<0,016	NQ	<0,016	<0,016	NQ
Ytterbium (Yb)	0,070	-	<0,070	<0,070	NQ	<0,070	<0,070	NQ	<0,070	<0,070	NQ
Yttrium (Y)	0,020	-	0,086	0,083	3,55	0,10	0,10	0,00	0,091	0,091	0,00
Primary production											
Chlorophyll a	0,10	-	0,80	0,8	0,00	-	-	-	-	-	-
Hydrocarbons											
Petroleum hydrocarbons C10-C50	100	-	<100	<100	NQ	<100	<100	NQ	<100	<100	NQ
Radioactivity											
Radium 226 (Ra^{226})	0,005	-	<0,005	<0,005	NQ	<0,005	<0,005	NQ	<0,005	<0,005	NQ

Table 2 Quality control results with duplicates, July 2022

Parameter	RDL	MDL	June 2021								
			ST-7A			ST-9			ST-2		
			Surface	Dup (surface)	Relative difference (%)	Surface	Dup (surface)	Relative difference (%)	Surface	Dup (surface)	Relative difference (%)
			2022-06-01			2022-06-02			2022-06-03		
Geographical coordinates (dd,ddddd; NAD 83)											
Northern latitude	-	-	51,69000			51,70377			51,63625		
Western latitude	-	-	-75,86084			-75,8776			-75,96007		
Chemical analysis											
Total alkalinity (in CaCO3)	1	-	1,6	2,2	-31,58	4,3	3,9	9,76	4,1	4,1	0,00
pH	-		5,89	6,18	-4,81	6,52	6,41	1,70	6,50	6,47	0,46
Conductivity	0,001	-	0,0099	0,0097	2,04	0,014	0,014	0,00	0,014	0,014	0,00
Dissolved organic carbon (DOC)	0,200	-	11	6,5	**51,43**	4,9	5,0	-2,02	5,1	4,9	4,00
Total organic carbon (TOC)	0,200	-	12	6,7	**56,68**	5,0	5,1	-1,98	5,0	5,1	-1,98
Dissolved carbon	0,200		14	8,2	**52,25**	6,8	6,8	0,00	6,8	6,7	1,48
Dissolved inorganic carbon	0,200	-	2,4	1,7	34,15	1,8	1,8	0,00	1,6	1,8	-11,76
Biochemical oxygen demand (DBO_5)	2	-	<2,0	<2,0	NQ	<2,0	<2,0	NQ	<2,0	<2,0	NQ
Total hardness (in $CaCO_3$)	40	-	3900	3500	10,81	5800	5800	0,00	5700	6600	-14,63
Suspended solids (SS)	0,200	-	2,0	1,5	28,57	1,2	1,1	8,70	0,60	0,84	-33,33
Total dissolved solids	10	-	28	25	11,32	18	17	5,71	20	23	-13,95
Total solids	10	-	48	48	0,00	44	56	-24,00	64	60	6,45
Turbidity	0,100		0,48	0,41	15,73	0,49	0,42	15,38	0,30	0,31	-3,28
Anions											
Bromides (Br-)	0,100	-	<0,10	<0,10	NQ	<0,10	<0,10	NQ	<0,10	<0,10	NQ
Chloride (Cl-)	0,050	-	0,29	0,27	7,14	0,27	0,29	-7,14	0,25	0,29	-14,81
Fluorides (F-)	0,010	-	0,017	0,020	-16,22	0,017	0,017	0,00	0,017	0,016	6,06
Sulfates	0,150	-	0,17	0,65	**-117,07**	0,68	0,68	0,00	0,69	0,68	1,46
Sulfides (in S^{2-})	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nutrients											
Ammoniacal nitrogen (in N-NH3)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nitrates (in N)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	0,021	0,083	**-119,23**
Nitrite (in N)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Nitrates and Nitrites	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	0,021	0,083	**-119,23**
Total phosphorus	0,600	0,6	7,40	5,87	23,12	5,00	5,00	0,00	3,70	3,50	5,56
Total Kjeldahl nitrogen (in N)	0,400		<0,40	<0,40	NQ	<0,40	<0,40	NQ	<0,40	<0,40	NQ
Total extractable metals and metalloids											
Aluminium (Al)	5	-	230	85	**92,06**	50	51	-1,98	47	60	-24,30
Antimony (Sb)	0,005	-	0,022	0,014	44,44	0,018	0,020	-10,53	0,017	0,018	-5,71
Silver (Ag)	0,003	-	<0,0030	<0,0030	NQ	<0,0030	<0,0030	NQ	<0,0030	<0,0030	NQ
Arsenic (As)	0,080	-	0,36	0,18	**66,67**	0,18	0,21	-15,38	0,21	0,23	-9,09
Barium (Ba)	0,030	-	5,4	3,2	**51,16**	3,4	3,3	2,99	3,3	3,7	-11,43
Beryllium (Be)	0,010	-	0,016	<0,010	NQ	<0,010	<0,010	NQ	<0,010	<0,010	NQ
Bismuth (Bi)	0,009	-	<0,0090	<0,0090	NQ	<0,0090	<0,0090	NQ	<0,0090	<0,0090	NQ
Boron (B)	0,300	-	0,70	0,93	-28,22	0,85	0,86	-1,17	0,78	1,3	-50,00
Cadmium (Cd)	0,006	-	0,012	0,0066	**58,06**	<0,0060	<0,0060	NQ	<0,0060	<0,0060	NQ
Calcium (Ca)	20	-	1100	1100	0,00	1600	1600	0,00	1500	1800	-18,18
Chromium (Cr)	0,040	-	0,42	0,13	**105,45**	0,14	0,16	-13,33	0,14	0,12	15,38
Cobalt (Co)	0,008	-	0,53	0,067	**155,11**	0,026	0,025	3,92	0,016	0,022	-31,58
Copper (Cu)	0,050	-	0,94	0,39	**82,71**	0,19	0,20	-5,13	0,22	0,23	-4,44
Tin (Sn)	0,050	-	<0,050	<0,050	NQ	<0,050	<0,050	NQ	<0,050	<0,050	NQ
Iron (Fe)	0,500	-	830	110	**153,19**	89	88	1,13	64	81	-23,45
Lithium (Li)	0,100	-	1,6	0,85	**61,22**	0,30	0,31	-3,28	0,31	0,40	-25,35
Magnesium (Mg)	10	-	270	180	40,00	460	460	0,00	460	530	-14,14
Manganese (Mn)	0,030	-	19	3,2	**142,34**	5,2	5,2	0,00	2,9	3,3	-12,90
Mercury (Hg)	0,001	-	<0,0013	<0,0013	NQ	<0,0013	<0,0013	NQ	<0,0013	<0,0013	NQ
Molybdenum (Mo)	0,010	-	0,28	0,39	-32,84	0,080	0,076	5,13	0,075	0,089	-17,07
Nickel (Ni)	0,030	-	0,64	0,13	**132,47**	0,14	0,13	7,41	0,17	0,17	0,00
Lead (Pb)	0,010	-	0,19	0,089	**72,40**	0,062	0,058	6,67	0,035	0,038	-8,22
Potassium (K)	10	-	140	210	-40,00	220	220	0,00	230	250	-8,33
Selenium (Se)	0,050	-	<0,050	0,055	NQ	<0,050	<0,050	NQ	<0,050	0,053	NQ
Sodium (Na)	10	-	670	810	-18,92	650	630	3,13	650	580	11,38
Strontium (Sr)	0,400	-	6,9	6,9	0,00	8,8	8,7	1,14	8,5	8,7	-2,33
Tellurium (Te)	0,005	-	<0,0050	<0,0050	NQ	<0,0050	<0,0050	NQ	<0,0050	<0,0050	NQ
Thallium (Tl)	0,010	-	<0,010	<0,010	NQ	<0,010	<0,010	NQ	<0,010	<0,010	NQ
Titanium (Ti)	0,400	-	2,8	<0,40	NQ	0,53	0,50	5,83	<0,40	<0,40	NQ
Tungsten (W)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Uranium (U)	0,001	-	0,15	0,14	6,90	0,071	0,070	1,42	0,072	0,082	-12,99
Vanadium (V)	0,050	-	0,29	0,16	**57,78**	0,086	0,091	-5,65	0,070	0,091	-26,09
Zinc (Zn)	0,500	-	3,2	1,5	**72,34**	0,58	0,69	-17,32	0,58	<0,50	NQ
Total extractable rare earth elements and rare metals											
Cerium (Ce)	0,040	-	1,1	0,44	**85,71**	0,25	0,25	0,00	0,23	0,23	0,00
Cesium (Cs)	0,020	-	0,15	0,12	22,22	0,032	0,032	0,00	0,031	0,036	-14,93
Dysprosium (Dy)	0,040	-	0,057	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Erbium (Er)	0,020	-	0,033	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Europium (Eu)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Gadolinium (Gd)	0,040	-	0,072	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Holmium (Ho)	0,015	-	<0,015	<0,015	NQ	<0,015	<0,015	NQ	<0,015	<0,015	NQ
Gallium (Ga)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Lanthanum (La)	0,020	-	0,55	0,29	**61,90**	0,17	0,17	0,00	0,16	0,16	0,00
Lutetium (Lu)	0,016	-	<0,016	<0,016	NQ	<0,016	<0,016	NQ	<0,016	<0,016	NQ
Neodymium (Nd)	0,040	-	0,46	0,22	**70,59**	0,13	0,13	0,00	0,13	0,13	0,00
Praseodymium (Pr)	0,010	-	0,12	0,059	**68,16**	0,037	0,036	2,74	0,035	0,036	-2,82
Rhenium (Re)	0,040	-	<0,040	<0,040	NQ	<0,040	<0,040	NQ	<0,040	<0,040	NQ
Rhodium (Rh)	0,020	-	<0,020	<0,020	NQ	<0,020	<0,020	NQ	<0,020	<0,020	NQ
Rubidium (Rb)	0,020	-	0,86	0,77	11,04	0,72	0,71	1,40	0,71	0,70	1,42
Samarium (Sm)	0,030	-	0,082	0,035	**80,34**	<0,030	<0,030	NQ	<0,030	<0,030	NQ
Scandium (Sc)	0,020	-	0,044	<0,020	NQ	<0,020	<0,020	NQ	<0,020	0,020	NQ
Terbium (Tb)	0,010	-	0,010	<0,010	NQ	<0,010	<0,010	NQ	<0,010	<0,010	NQ
Thorium (Th)	0,015	-	0,057	0,016	**112,33**	<0,015	<0,015	NQ	<0,015	<0,015	NQ
Thulium (Tm)	0,016	-	<0,016	<0,016	NQ	<0,016	<0,016	NQ	<0,016	<0,016	NQ
Ytterbium (Yb)	0,070	-	<0,070	<0,070	NQ	<0,070	<0,070	NQ	<0,070	<0,070	NQ
Yttrium (Y)	0,020	-	0,36	0,13	**93,88**	0,076	0,078	-2,60	0,073	0,073	0,00
Primary production											
Chlorophyll α	0,10	-	-	-	-	1,27	1,19	6,50	1,2	-	NQ
Hydrocarbons											
Petroleum hydrocarbons C10-C50	100	-	<100	<100	NQ	<100	<100	NQ	<100	<100	NQ
Radium 226 (Ra 226)											
Radium 226 (Ra^{226})	0,005	-	<0,005	<0,005	NQ	<0,005	<0,005	NQ	<0,005	<0,005	NQ

Annexe 5

Certificates of Analysis from the Laboratoires Bureau Véritas

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eau de surface

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Your C.O.C. #: 247451-01-01, 247451-02-01, 247451-04-01

Report Date: 2022/07/26
Report #: R2774719
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226413
Received: 2022/06/07, 11:38

Sample Matrix: Surface Water
Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Alkalinity (pH end point 4.5)	22	N/A	2022/06/08	STL SOP-00038	SM 23 2320-B m
Total Alkalinity (pH end point 4.5)	4	N/A	2022/06/09	STL SOP-00038	SM 23 2320-B m
Anions in water	26	N/A	2022/06/10	STL SOP-00014	MA.300–Ions 1.3 R3 m
BOD 5 Days Low Level	12	2022/06/08	2022/06/13	STL SOP-00008	MA315-DBO 1.1 R3 m
BOD 5 Days Low Level	14	2022/06/09	2022/06/14	STL SOP-00008	MA315-DBO 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	15	2022/06/10	2022/06/13	STL SOP-00173	MA.400–HYD. 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	5	2022/06/10	2022/06/14	STL SOP-00173	MA.400–HYD. 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	6	2022/06/10	2022/06/17	STL SOP-00173	MA.400–HYD. 1.1 R3 m
Chlorophyl (1)	14	N/A	N/A		
Conductivity	22	N/A	2022/06/08	STL SOP-00038	SM 23 2510-B m
Conductivity	4	N/A	2022/06/09	STL SOP-00038	SM 23 2510-B m
Dissolved Carbon (4)	4	2022/06/08	2022/06/14	STL SOP-00243	SM 23 5310-B m
Dissolved Carbon (4)	22	2022/06/08	2022/06/08	STL SOP-00243	SM 23 5310-B m
Dissolved Inorganic Carbon	6	N/A	2022/06/10	STL SOP-00243	SM 23 5310-B m
Dissolved Inorganic Carbon	20	N/A	2022/06/14	STL SOP-00243	SM 23 5310-B m
Dissolved Organic Carbon (4)	5	2022/06/08	2022/06/10	STL SOP-00243	SM 23 5310-B m
Dissolved Organic Carbon (4)	14	2022/06/08	2022/06/08	STL SOP-00243	SM 23 5310-B m
Dissolved Organic Carbon (4)	7	2022/06/08	2022/06/09	STL SOP-00243	SM 23 5310-B m
Fluoride (Low Level) (5)	26	N/A	2022/06/12	STL SOP-00038	SM 4500-F C m
Total Suspended Solids (low level)	5	2022/06/08	2022/06/09	STL SOP-00015	MA.104–S.S. 2.0 m
Total Suspended Solids (low level)	6	2022/06/09	2022/06/10	STL SOP-00015	MA.104–S.S. 2.0 m
Total Suspended Solids	7	2022/06/10	2022/06/14	STL SOP-00015	MA.104–S.S. 2.0 m
Total Suspended Solids	3	2022/06/08	2022/06/09	STL SOP-00015	MA.104–S.S. 2.0 m
Total Suspended Solids	5	2022/06/09	2022/06/10	STL SOP-00015	MA.104–S.S. 2.0 m
Total Extractible Trace Metals by ICP-MS	6	2022/06/21	2022/06/22	STL SOP-00006	MA203–Mét Tra1.1 R1m
Total Extractible Trace Metals by ICP-MS	10	2022/06/21	2022/06/30	STL SOP-00006	MA203–Mét Tra1.1 R1m
Total Extractible Trace Metals by ICP-MS	10	2022/06/21	2022/07/07	STL SOP-00006	MA203–Mét Tra1.1 R1m

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eau de surface

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Your C.O.C. #: 247451-01-01, 247451-02-01, 247451-04-01

Report Date: 2022/07/26
Report #: R2774719
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226413
Received: 2022/06/07, 11:38

Sample Matrix: Surface Water
Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Extractable Trace Metals ICP-MS	26	2022/06/21	2022/06/23	STL SOP-00071	MA 200-Met 1.2 R7 m
Ammonia Nitrogen	25	N/A	2022/06/14	STL SOP-00040	MA.300–N 2.0 R2 m
Ammonia Nitrogen	1	N/A	2022/06/20	STL SOP-00040	MA.300–N 2.0 R2 m
Nitrates(NO3-), Nitrites(NO2-)-water	26	N/A	2022/06/10	STL SOP-00014	MA.300–Ions 1.3 R3 m
pH in water	22	N/A	2022/06/08	STL SOP-00038	MA.100–pH 1.1 R3 m
pH in water	4	N/A	2022/06/09	STL SOP-00038	MA.100–pH 1.1 R3 m
Sulfides (as S2-)	26	2022/06/29	2022/06/29	STL SOP-00005	MA. 300 – S 1.2 R3 m
Anions (Sulfate) (2)	26	N/A	N/A		
Total Dissolved Solids	9	2022/06/10	2022/06/14	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Dissolved Solids	8	2022/06/08	2022/06/09	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Dissolved Solids	9	2022/06/09	2022/06/13	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Nitrogen	6	2022/06/19	2022/06/20	STL SOP-00077	MOE:TOTNUT-E3516v1.3
Total Nitrogen	1	2022/06/21	2022/06/22	STL SOP-00077	MOE:TOTNUT-E3516v1.3
Total Nitrogen	19	2022/06/09	2022/06/09	STL SOP-00077	MOE:TOTNUT-E3516v1.3
Total Organic Carbon (6)	26	N/A	2022/06/09	STL SOP-00243	SM 23 5310-B m
Total Solids Dried at 105°C	9	2022/06/10	2022/06/14	STL SOP-00051	MA100-S.T. 1.1 R5 m
Total Solids Dried at 105°C	8	2022/06/08	2022/06/09	STL SOP-00051	MA100-S.T. 1.1 R5 m
Total Solids Dried at 105°C	9	2022/06/09	2022/06/13	STL SOP-00051	MA100-S.T. 1.1 R5 m
Turbidity	26	N/A	2022/06/08	STL SOP-00022	MA.103–Tur. 1.0 R5 m
Radium-226 Low Level (3, 7)	20	N/A	2022/06/17	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry
Radium-226 Low Level (3, 7)	6	N/A	2022/06/18	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau

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Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eau de surface

Attention: Rachel Hussherr

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5582
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Canada G9N 4W1

Your C.O.C. #: 247451-01-01, 247451-02-01, 247451-04-01

Report Date: 2022/07/26
Report #: R2774719
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226413
Received: 2022/06/07, 11:38

Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
Note: RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Environex/Eurofins, 2350 Chemin du Lac , Longueuil, QC, J4N 1G8
(2) This test was performed by CEAEQ-Laval,
(3) This test was performed by Bureau Veritas - Radiological, 6790 Kitimat Rd, Unit 4 , Mississauga, ON, L5N 5L9
(4) DOC present in the sample should be considered as non-purgeable DOC
(5) Please note that the low level fluoride analysis is sensitive to the presence of polyvalent cations. This may represent a low bias in the result.
(6) TOC present in the sample should be considered as non-purgeable TOC
(7) Radium-226 results have not been corrected for blanks.

Note: All parameters included in the present certificate are accredited by the MELCC unless stated otherwise.

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Report Date: 2022/07/26
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CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226413
Received: 2022/06/07, 11:38

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Madison Tremblay, Project Manager
Email: madison.tremblay@bureauveritas.com
Phone# (418)658-5784 Ext:7066426

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.
For Service Group specific validation please refer to the Validation Signature Page.

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RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		KM3162	KM3163	KM3164	KM3165	KM3165	KM3166		
Sampling Date		2022/06/03 15:30	2022/06/03 13:20	2022/06/03 11:00	2022/06/02 15:30	2022/06/02 15:30	2022/06/02 14:50		
COC Number		247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-01-01		
	Units	ST-1	ST-2	ST-3	ST-5	ST-5 Lab-Dup	ST-6	RDL	QC Batch
RADIONUCLIDE									
Radium-226	Bq/L	0.013	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2304743

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KM3167	KM3168	KM3169	KM3170	KM3171	KM3229		
Sampling Date		2022/06/01 15:25	2022/06/01 16:00	2022/06/02 08:06	2022/06/02 08:25	2022/06/01 13:00	2022/06/01 13:30		
COC Number		247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-02-01		
	Units	ST-7A SURF	ST-7A FOND	ST-7B SURF	ST-7B FOND	ST-8 SURF	ST-8 FOND	RDL	QC Batch
RADIONUCLIDE									
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2304743

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KM3230	KM3231	KM3232	KM3233	KM3234	KM3235		
Sampling Date		2022/06/02 13:10	2022/06/01 12:10	2022/06/02 10:52	2022/06/02 11:15	2022/06/03 09:50	2022/06/03 16:50		
COC Number		247451-02-01	247451-02-01	247451-02-01	247451-02-01	247451-02-01	247451-02-01		
	Units	ST-9	ST-10	ST-11 SURFACE	ST-11 FOND	ST-12	ST-13	RDL	QC Batch
RADIONUCLIDE									
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2304743

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KM3241	KM3242	KM3243		KM3244	KM3245		
Sampling Date		2022/06/03	2022/06/03 10:56	2022/06/03 14:30		2022/06/04 11:30	2022/06/01		
COC Number		247451-04-01	247451-04-01	247451-04-01		247451-04-01	247451-04-01		
	Units	DUP-3	BLANC B3	STATION ST 14	QC Batch	STATION ST 4	DUP-1	RDL	QC Batch
RADIONUCLIDE									
Radium-226	Bq/L	<0.005	<0.005	<0.005	2304743	<0.005	<0.005	0.005	2304744

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C226413
Report Date: 2022/07/26

Groupe Synergis
Client Project #: 22-0186
Site Location: Eau de surface
Your P.O. #: 1020000153

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		KM3245	KM3246	KM3247	KM3248		
Sampling Date		2022/06/01	2022/06/02	2022/06/02 13:00	2022/06/01 15:30		
COC Number		247451-04-01	247451-04-01	247451-04-01	247451-04-01		
	Units	DUP-1 Lab-Dup	DUP-2	BLANC B2 LOT 22MA26-A	BLANC B1 LOT 22MA26-A	RDL	QC Batch
RADIONUCLIDE							
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	0.005	2304744

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KM3249		
Sampling Date		2022/06/01		
COC Number		247451-04-01		
	Units	BLANC TRANSPORT LOT 22MA26-A	RDL	QC Batch
RADIONUCLIDE				
Radium-226	Bq/L	<0.005	0.005	2304744

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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HYDROCARBONS BY GCFID (SURFACE WATER)

Bureau Veritas ID		KM3162	KM3163	KM3164	KM3165	KM3166	KM3167		
Sampling Date		2022/06/03 15:30	2022/06/03 13:20	2022/06/03 11:00	2022/06/02 15:30	2022/06/02 14:50	2022/06/01 15:25		
COC Number		247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-01-01		
	Units	ST-1	ST-2	ST-3	ST-5	ST-6	ST-7A SURF	RDL	QC Batch
PETROLEUM HYDROCARBONS									
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	100	2301254
Surrogate Recovery (%)									
1-Chlorooctadecane	%	61	73	68	66	69	61	N/A	2301254

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM3168	KM3169	KM3170	KM3171	KM3229	KM3230		
Sampling Date		2022/06/01 16:00	2022/06/02 08:06	2022/06/02 08:25	2022/06/01 13:00	2022/06/01 13:30	2022/06/02 13:10		
COC Number		247451-01-01	247451-01-01	247451-01-01	247451-01-01	247451-02-01	247451-02-01		
	Units	ST-7A FOND	ST-7B SURF	ST-7B FOND	ST-8 SURF	ST-8 FOND	ST-9	RDL	QC Batch
PETROLEUM HYDROCARBONS									
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	100	2301254
Surrogate Recovery (%)									
1-Chlorooctadecane	%	66	68	62	61	60	65	N/A	2301254

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM3231	KM3232	KM3233	KM3234	KM3235		
Sampling Date		2022/06/01 12:10	2022/06/02 10:52	2022/06/02 11:15	2022/06/03 09:50	2022/06/03 16:50		
COC Number		247451-02-01	247451-02-01	247451-02-01	247451-02-01	247451-02-01		
	Units	ST-10	ST-11 SURFACE	ST-11 FOND	ST-12	ST-13	RDL	QC Batch
PETROLEUM HYDROCARBONS								
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	100	2301254
Surrogate Recovery (%)								
1-Chlorooctadecane	%	64	78	71	73	65	N/A	2301254

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

HYDROCARBONS BY GCFID (SURFACE WATER)

Bureau Veritas ID		KM3241	KM3242	KM3243		KM3244	KM3245		
Sampling Date		2022/06/03	2022/06/03 10:56	2022/06/03 14:30		2022/06/04 11:30	2022/06/01		
COC Number		247451-04-01	247451-04-01	247451-04-01		247451-04-01	247451-04-01		
	Units	DUP-3	BLANC B3	STATION ST 14	QC Batch	STATION ST 4	DUP-1	RDL	QC Batch
PETROLEUM HYDROCARBONS									
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	2301254	<100	<100	100	2301266
Surrogate Recovery (%)									
1-Chlorooctadecane	%	69	72	70	2301254	80	70	N/A	2301266

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM3246	KM3247	KM3248		
Sampling Date		2022/06/02	2022/06/02 13:00	2022/06/01 15:30		
COC Number		247451-04-01	247451-04-01	247451-04-01		
	Units	DUP-2	BLANC B2 LOT 22MA26-A	BLANC B1 LOT 22MA26-A	RDL	QC Batch
PETROLEUM HYDROCARBONS						
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	100	2301266
Surrogate Recovery (%)						
1-Chlorooctadecane	%	76	62	70	N/A	2301266

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM3249		
Sampling Date		2022/06/01		
COC Number		247451-04-01		
	Units	BLANC TRANSPORT LOT 22MA26-A	RDL	QC Batch
PETROLEUM HYDROCARBONS				
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	100	2301266
Surrogate Recovery (%)				
1-Chlorooctadecane	%	68	N/A	2301266

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3162			KM3163	KM3164		
Sampling Date		2022/06/03 15:30			2022/06/03 13:20	2022/06/03 11:00		
COC Number		247451-01-01			247451-01-01	247451-01-01		
	Units	ST-1	RDL	QC Batch	ST-2	ST-3	RDL	QC Batch
METALS								
Aluminum (Al) †	ug/L	130	5.0	2304858	130	85	5.0	2304852
Antimony (Sb) †	ug/L	0.021	0.0050	2304858	0.054	0.018	0.0050	2304852
Silver (Ag) †	ug/L	<0.0030	0.0030	2304858	<0.0030	<0.0030	0.0030	2304852
Arsenic (As) †	ug/L	0.19	0.080	2304858	0.52	0.17	0.080	2304852
Barium (Ba) †	ug/L	3.8	0.030	2304858	3.1	12	0.030	2304852
Beryllium (Be) †	ug/L	<0.010	0.010	2304858	<0.010	<0.010	0.010	2304852
Bismuth (Bi) †	ug/L	<0.0090	0.0090	2304858	<0.0090	<0.0090	0.0090	2304852
Boron (B) †	ug/L	1.3	0.30	2304858	1.2	8.0	0.30	2304852
Cadmium (Cd) †	ug/L	0.010	0.0060	2304858	0.011	0.024	0.0060	2304852
Calcium (Ca) †	ug/L	1300 (1)	60	2304858	1000	11000	20	2304852
Chromium (Cr) †	ug/L	0.12	0.040	2304858	0.23	0.18	0.040	2304852
Cobalt (Co) †	ug/L	0.13	0.0080	2304858	0.21	2.0	0.0080	2304852
Copper (Cu) †	ug/L	0.53	0.050	2304858	0.60	1.4	0.050	2304852
Tin (Sn) †	ug/L	<0.050	0.050	2304858	<0.050	<0.050	0.050	2304852
Iron (Fe) †	ug/L	200 (1)	3.0	2304858	200	100	0.50	2304852
Lithium (Li) †	ug/L	1.2	0.10	2304858	0.64	8.4	0.10	2304852
Magnesium (Mg) †	ug/L	210	10	2304858	160	1100	10	2304852
Manganese (Mn) †	ug/L	7.2 (1)	0.080	2304858	7.3	18	0.030	2304852
Mercury (Hg) †	ug/L	<0.0030 (1)	0.0030	2304858	<0.0020	<0.0020	0.0020	2304852
Molybdenum (Mo) †	ug/L	0.35	0.010	2304858	0.14	0.18	0.010	2304852
Nickel (Ni) †	ug/L	0.17	0.030	2304858	0.81	6.1	0.030	2304852
Lead (Pb) †	ug/L	0.13	0.010	2304858	0.12	0.088	0.010	2304852
Potassium (K) †	ug/L	240	10	2304858	220	680	10	2304852
Selenium (Se) †	ug/L	<0.050	0.050	2304858	<0.050	0.11	0.050	2304852
Sodium (Na) †	ug/L	760	10	2304858	520	1400	10	2304852
Strontium (Sr) †	ug/L	6.9 (1)	0.30	2304858	6.2	45	0.040	2304852
Tellurium (Te) †	ug/L	<0.0050	0.0050	2304858	<0.0050	<0.0050	0.0050	2304852
Thallium (Tl) †	ug/L	<0.010	0.010	2304858	<0.010	<0.010	0.010	2304852
Titanium (Ti) †	ug/L	1.4	0.40	2304858	1.5	0.85	0.40	2304852
Tungsten (W) †	ug/L	<0.040	0.040	2304858	<0.040	<0.040	0.040	2304852
Uranium (U) †	ug/L	0.14	0.0010	2304858	0.076	0.053	0.0010	2304852

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3162			KM3163	KM3164		
Sampling Date		2022/06/03 15:30			2022/06/03 13:20	2022/06/03 11:00		
COC Number		247451-01-01			247451-01-01	247451-01-01		
	Units	ST-1	RDL	QC Batch	ST-2	ST-3	RDL	QC Batch
Vanadium (V) †	ug/L	0.22	0.050	2304858	0.28	0.14	0.050	2304852
Zinc (Zn) †	ug/L	2.6 (1)	1.4	2304858	1.1 (1)	9.3 (1)	0.62	2310151
Total Hardness (CaCO3) †	ug/L	4000	150	2304858	3100	33000	40	2304852
METALS ICP-MS								
Cerium (Ce) †	ug/L	0.41	0.040	2304876	0.39	0.32	0.040	2304883
Cesium (Cs) †	ug/L	0.097	0.020	2304876	0.082	0.99	0.020	2304883
Dysprosium (Dy) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	0.040	2304883
Erbium (Er) †	ug/L	<0.020	0.020	2304876	<0.020	<0.020	0.020	2304883
Europium (Eu) †	ug/L	<0.020	0.020	2304876	<0.020	<0.020	0.020	2304883
Gadolinium (Gd) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	0.040	2304883
Holmium (Ho) †	ug/L	<0.015	0.015	2304876	<0.015	<0.015	0.015	2304883
Gallium (Ga) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	0.040	2304883
Lanthanum (La) †	ug/L	0.27	0.020	2304876	0.24	0.24	0.020	2304883
Lutetium (Lu) †	ug/L	<0.016	0.016	2304876	<0.016	<0.016	0.016	2304883
Neodymium (Nd) †	ug/L	0.20	0.040	2304876	0.18	0.15	0.040	2304883
Praseodymium (Pr) †	ug/L	0.054	0.010	2304876	0.050	0.042	0.010	2304883
Rhenium (Re) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	0.040	2304883
Rhodium (Rh) †	ug/L	<0.020	0.020	2304876	<0.020	<0.020	0.020	2304883
Rubidium (Rb) †	ug/L	0.77	0.020	2304876	0.82	3.6	0.020	2304883
Samarium (Sm) †	ug/L	0.034	0.030	2304876	<0.030	<0.030	0.030	2304883
Scandium (Sc) †	ug/L	<0.020	0.020	2304876	<0.020	0.027	0.020	2304883
Terbium (Tb) †	ug/L	<0.010	0.010	2304876	<0.010	<0.010	0.010	2304883
Thorium (Th) †	ug/L	0.016	0.015	2304876	0.015	0.017	0.015	2304883
Thulium (Tm) †	ug/L	<0.016	0.016	2304876	<0.016	<0.016	0.016	2304883
Ytterbium (Yb) †	ug/L	<0.070	0.070	2304876	<0.070	<0.070	0.070	2304883
Yttrium (Y) †	ug/L	0.12	0.020	2304876	0.091	0.11	0.020	2304883

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3165			KM3166			KM3167		
Sampling Date		2022/06/02 15:30			2022/06/02 14:50			2022/06/01 15:25		
COC Number		247451-01-01			247451-01-01			247451-01-01		
	Units	ST-5	RDL	QC Batch	ST-6	RDL	QC Batch	ST-7A SURF	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	90	5.0	2304852	80	5.0	2304852	84	5.0	2304852
Antimony (Sb) †	ug/L	0.024	0.0050	2304852	0.027	0.0050	2304852	0.021	0.0050	2304852
Silver (Ag) †	ug/L	0.0078	0.0030	2304852	<0.0030	0.0030	2304852	<0.0030	0.0030	2304852
Arsenic (As) †	ug/L	0.20	0.080	2304852	0.26	0.080	2304852	0.17	0.080	2304852
Barium (Ba) †	ug/L	4.1	0.030	2304852	4.3	0.030	2304852	4.5	0.030	2304852
Beryllium (Be) †	ug/L	<0.010	0.010	2304852	<0.010	0.010	2304852	<0.010	0.010	2304852
Bismuth (Bi) †	ug/L	<0.0090	0.0090	2304852	<0.0090	0.0090	2304852	<0.0090	0.0090	2304852
Boron (B) †	ug/L	1.2	0.30	2304852	1.2	0.30	2304852	1.4	0.30	2304852
Cadmium (Cd) †	ug/L	0.026	0.0060	2304852	0.0075	0.0060	2304852	0.0072	0.0060	2304852
Calcium (Ca) †	ug/L	1700	20	2304852	1800	20	2304852	2100	20	2304852
Chromium (Cr) †	ug/L	0.20	0.040	2304852	0.23	0.040	2304852	0.23	0.040	2304852
Cobalt (Co) †	ug/L	0.081	0.0080	2304852	0.066	0.0080	2304852	0.048	0.0080	2304852
Copper (Cu) †	ug/L	0.61	0.050	2304852	0.44	0.050	2304852	0.32	0.050	2304852
Tin (Sn) †	ug/L	<0.050	0.050	2304852	0.36	0.050	2304852	<0.050	0.050	2304852
Iron (Fe) †	ug/L	150	0.50	2304852	150	0.50	2304852	140	0.50	2304852
Lithium (Li) †	ug/L	0.56	0.10	2304852	0.56	0.10	2304852	0.36	0.10	2304852
Magnesium (Mg) †	ug/L	370	10	2304852	440	10	2304852	460	10	2304852
Manganese (Mn) †	ug/L	9.8	0.030	2304852	8.3	0.030	2304852	6.6	0.030	2304852
Mercury (Hg) †	ug/L	<0.0020	0.0020	2304852	<0.0020	0.0020	2304852	<0.0020	0.0020	2304852
Molybdenum (Mo) †	ug/L	0.14	0.010	2304852	0.089	0.010	2304852	0.077	0.010	2304852
Nickel (Ni) †	ug/L	1.2	0.030	2304852	0.28	0.030	2304852	0.26	0.030	2304852
Lead (Pb) †	ug/L	0.10	0.010	2304852	0.078	0.010	2304852	0.083	0.010	2304852
Potassium (K) †	ug/L	270	10	2304852	260	10	2304852	260	10	2304852
Selenium (Se) †	ug/L	<0.050	0.050	2304852	<0.050	0.050	2304852	<0.050	0.050	2304852
Sodium (Na) †	ug/L	660	10	2304852	640	10	2304852	630	10	2304852
Strontium (Sr) †	ug/L	8.9	0.040	2304852	9.7	0.040	2304852	9.7	0.040	2304852
Tellurium (Te) †	ug/L	<0.0050	0.0050	2304852	<0.0050	0.0050	2304852	<0.0050	0.0050	2304852
Thallium (Tl) †	ug/L	<0.010	0.010	2304852	<0.010	0.010	2304852	<0.010	0.010	2304852
Titanium (Ti) †	ug/L	1.0	0.40	2304852	0.87	0.40	2304852	1.1	0.40	2304852
Tungsten (W) †	ug/L	<0.040	0.040	2304852	<0.040	0.040	2304852	<0.040	0.040	2304852
Uranium (U) †	ug/L	0.16	0.0010	2304852	0.072	0.0010	2304852	0.068	0.0010	2304852
Vanadium (V) †	ug/L	0.12	0.050	2304852	0.11	0.050	2304852	0.12	0.050	2304852

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3165			KM3166			KM3167		
Sampling Date		2022/06/02 15:30			2022/06/02 14:50			2022/06/01 15:25		
COC Number		247451-01-01			247451-01-01			247451-01-01		
	Units	ST-5	RDL	QC Batch	ST-6	RDL	QC Batch	ST-7A SURF	RDL	QC Batch
Zinc (Zn) †	ug/L	<0.60 (1)	0.60	2310156	0.67 (1)	0.62	2310151	<0.60 (1)	0.60	2310156
Total Hardness (CaCO3) †	ug/L	5700	40	2304852	6400	40	2304852	7100	40	2304852
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.29	0.040	2304883	0.28	0.040	2304883	0.27	0.040	2304883
Cesium (Cs) †	ug/L	0.068	0.020	2304883	0.050	0.020	2304883	0.027	0.020	2304883
Dysprosium (Dy) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304883	<0.040	0.040	2304883
Erbium (Er) †	ug/L	<0.020	0.020	2304883	<0.020	0.020	2304883	<0.020	0.020	2304883
Europium (Eu) †	ug/L	<0.020	0.020	2304883	<0.020	0.020	2304883	<0.020	0.020	2304883
Gadolinium (Gd) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304883	<0.040	0.040	2304883
Holmium (Ho) †	ug/L	<0.015	0.015	2304883	<0.015	0.015	2304883	<0.015	0.015	2304883
Gallium (Ga) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304883	<0.040	0.040	2304883
Lanthanum (La) †	ug/L	0.20	0.020	2304883	0.19	0.020	2304883	0.19	0.020	2304883
Lutetium (Lu) †	ug/L	<0.016	0.016	2304883	<0.016	0.016	2304883	<0.016	0.016	2304883
Neodymium (Nd) †	ug/L	0.15	0.040	2304883	0.15	0.040	2304883	0.15	0.040	2304883
Praseodymium (Pr) †	ug/L	0.042	0.010	2304883	0.041	0.010	2304883	0.040	0.010	2304883
Rhenium (Re) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304883	<0.040	0.040	2304883
Rhodium (Rh) †	ug/L	<0.020	0.020	2304883	<0.020	0.020	2304883	<0.020	0.020	2304883
Rubidium (Rb) †	ug/L	0.96	0.020	2304883	0.81	0.020	2304883	0.75	0.020	2304883
Samarium (Sm) †	ug/L	<0.030	0.030	2304883	<0.030	0.030	2304883	<0.030	0.030	2304883
Scandium (Sc) †	ug/L	<0.020	0.020	2304883	0.023	0.020	2304883	0.024	0.020	2304883
Terbium (Tb) †	ug/L	<0.010	0.010	2304883	<0.010	0.010	2304883	<0.010	0.010	2304883
Thorium (Th) †	ug/L	0.015	0.015	2304883	<0.015	0.015	2304883	<0.015	0.015	2304883
Thulium (Tm) †	ug/L	<0.016	0.016	2304883	<0.016	0.016	2304883	<0.016	0.016	2304883
Ytterbium (Yb) †	ug/L	<0.070	0.070	2304883	<0.070	0.070	2304883	<0.070	0.070	2304883
Yttrium (Y) †	ug/L	0.11	0.020	2304883	0.085	0.020	2304883	0.086	0.020	2304883

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QC Batch = Quality Control Batch
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(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3168			KM3169	KM3170		
Sampling Date		2022/06/01 16:00			2022/06/02 08:06	2022/06/02 08:25		
COC Number		247451-01-01			247451-01-01	247451-01-01		
	Units	ST-7A FOND	RDL	QC Batch	ST-7B SURF	ST-7B FOND	RDL	QC Batch
METALS								
Aluminum (Al) †	ug/L	82	5.0	2304852	83	83	5.0	2304852
Antimony (Sb) †	ug/L	0.017	0.0050	2304852	0.018	0.022	0.0050	2304852
Silver (Ag) †	ug/L	<0.0030	0.0030	2304852	<0.0030	<0.0030	0.0030	2304852
Arsenic (As) †	ug/L	0.24	0.080	2304852	0.23	0.24	0.080	2304852
Barium (Ba) †	ug/L	4.3	0.030	2304852	4.4	4.4	0.030	2304852
Beryllium (Be) †	ug/L	<0.010	0.010	2304852	<0.010	<0.010	0.010	2304852
Bismuth (Bi) †	ug/L	<0.0090	0.0090	2304852	<0.0090	<0.0090	0.0090	2304852
Boron (B) †	ug/L	1.1	0.30	2304852	1.2	1.2	0.30	2304852
Cadmium (Cd) †	ug/L	0.0061	0.0060	2304852	0.0077	0.0071	0.0060	2304852
Calcium (Ca) †	ug/L	1800	20	2304852	1800	1700	20	2304852
Chromium (Cr) †	ug/L	0.23	0.040	2304852	0.21	0.24	0.040	2304852
Cobalt (Co) †	ug/L	0.039	0.0080	2304852	0.036	0.039	0.0080	2304852
Copper (Cu) †	ug/L	0.52	0.050	2304852	0.31	0.73	0.050	2304852
Tin (Sn) †	ug/L	3.9	0.050	2304852	<0.050	5.2	0.050	2304852
Iron (Fe) †	ug/L	150	0.50	2304852	150	150	0.50	2304852
Lithium (Li) †	ug/L	0.34	0.10	2304852	0.37	0.36	0.10	2304852
Magnesium (Mg) †	ug/L	460	10	2304852	460	470	10	2304852
Manganese (Mn) †	ug/L	6.4	0.030	2304852	6.2	6.3	0.030	2304852
Mercury (Hg) †	ug/L	<0.0020	0.0020	2304852	<0.0020	<0.0020	0.0020	2304852
Molybdenum (Mo) †	ug/L	0.071	0.010	2304852	0.074	0.071	0.010	2304852
Nickel (Ni) †	ug/L	0.22	0.030	2304852	0.43	0.23	0.030	2304852
Lead (Pb) †	ug/L	0.067	0.010	2304852	0.076	0.075	0.010	2304852
Potassium (K) †	ug/L	260	10	2304852	270	280	10	2304852
Selenium (Se) †	ug/L	<0.050	0.050	2304852	<0.050	<0.050	0.050	2304852
Sodium (Na) †	ug/L	640	10	2304852	640	660	10	2304852
Strontium (Sr) †	ug/L	9.4	0.040	2304852	9.3	9.2	0.040	2304852
Tellurium (Te) †	ug/L	<0.0050	0.0050	2304852	<0.0050	<0.0050	0.0050	2304852
Thallium (Tl) †	ug/L	<0.010	0.010	2304852	<0.010	<0.010	0.010	2304852
Titanium (Ti) †	ug/L	0.84	0.40	2304852	1.1	1.0	0.40	2304852
Tungsten (W) †	ug/L	<0.040	0.040	2304852	<0.040	<0.040	0.040	2304852
Uranium (U) †	ug/L	0.066	0.0010	2304852	0.066	0.065	0.0010	2304852
Vanadium (V) †	ug/L	0.12	0.050	2304852	0.13	0.13	0.050	2304852

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3168			KM3169	KM3170		
Sampling Date		2022/06/01 16:00			2022/06/02 08:06	2022/06/02 08:25		
COC Number		247451-01-01			247451-01-01	247451-01-01		
	Units	ST-7A FOND	RDL	QC Batch	ST-7B SURF	ST-7B FOND	RDL	QC Batch
Zinc (Zn) †	ug/L	<0.60 (1)	0.60	2310156	1.2 (1)	<0.62 (1)	0.62	2310151
Total Hardness (CaCO3) †	ug/L	6400	40	2304852	6300	6300	40	2304852
METALS ICP-MS								
Cerium (Ce) †	ug/L	0.27	0.040	2304883	0.27	0.27	0.040	2304883
Cesium (Cs) †	ug/L	0.026	0.020	2304883	0.027	0.028	0.020	2304883
Dysprosium (Dy) †	ug/L	<0.040	0.040	2304883	<0.040	<0.040	0.040	2304883
Erbium (Er) †	ug/L	<0.020	0.020	2304883	<0.020	<0.020	0.020	2304883
Europium (Eu) †	ug/L	<0.020	0.020	2304883	<0.020	<0.020	0.020	2304883
Gadolinium (Gd) †	ug/L	<0.040	0.040	2304883	<0.040	<0.040	0.040	2304883
Holmium (Ho) †	ug/L	<0.015	0.015	2304883	<0.015	<0.015	0.015	2304883
Gallium (Ga) †	ug/L	<0.040	0.040	2304883	<0.040	<0.040	0.040	2304883
Lanthanum (La) †	ug/L	0.18	0.020	2304883	0.18	0.18	0.020	2304883
Lutetium (Lu) †	ug/L	<0.016	0.016	2304883	<0.016	<0.016	0.016	2304883
Neodymium (Nd) †	ug/L	0.15	0.040	2304883	0.15	0.14	0.040	2304883
Praseodymium (Pr) †	ug/L	0.040	0.010	2304883	0.040	0.039	0.010	2304883
Rhenium (Re) †	ug/L	<0.040	0.040	2304883	<0.040	<0.040	0.040	2304883
Rhodium (Rh) †	ug/L	<0.020	0.020	2304883	<0.020	<0.020	0.020	2304883
Rubidium (Rb) †	ug/L	0.74	0.020	2304883	0.74	0.74	0.020	2304883
Samarium (Sm) †	ug/L	<0.030	0.030	2304883	<0.030	<0.030	0.030	2304883
Scandium (Sc) †	ug/L	0.020	0.020	2304883	0.020	0.022	0.020	2304883
Terbium (Tb) †	ug/L	<0.010	0.010	2304883	<0.010	<0.010	0.010	2304883
Thorium (Th) †	ug/L	<0.015	0.015	2304883	<0.015	<0.015	0.015	2304883
Thulium (Tm) †	ug/L	<0.016	0.016	2304883	<0.016	<0.016	0.016	2304883
Ytterbium (Yb) †	ug/L	<0.070	0.070	2304883	<0.070	<0.070	0.070	2304883
Yttrium (Y) †	ug/L	0.082	0.020	2304883	0.082	0.081	0.020	2304883

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QC Batch = Quality Control Batch
† Parameter is not accreditable
(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3171			KM3229	KM3230		KM3231		
Sampling Date		2022/06/01 13:00			2022/06/01 13:30	2022/06/02 13:10		2022/06/01 12:10		
COC Number		247451-01-01			247451-02-01	247451-02-01		247451-02-01		
	Units	ST-8 SURF	RDL	QC Batch	ST-8 FOND	ST-9	QC Batch	ST-10	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	95	5.0	2304858	70	110	2304845	92	5.0	2304845
Antimony (Sb) †	ug/L	0.021	0.0050	2304858	0.020	0.049	2304845	0.019	0.0050	2304845
Silver (Ag) †	ug/L	<0.0030	0.0030	2304858	<0.0030	<0.0030	2304845	<0.0030	0.0030	2304845
Arsenic (As) †	ug/L	0.24	0.080	2304858	0.26	0.57	2304845	0.19	0.080	2304845
Barium (Ba) †	ug/L	4.7	0.030	2304858	4.1	3.0	2304845	3.6	0.030	2304845
Beryllium (Be) †	ug/L	<0.010	0.010	2304858	<0.010	<0.010	2304845	<0.010	0.010	2304845
Bismuth (Bi) †	ug/L	<0.0090	0.0090	2304858	<0.0090	<0.0090	2304845	<0.0090	0.0090	2304845
Boron (B) †	ug/L	1.3	0.30	2304858	1.1	1.1	2304845	0.97	0.30	2304845
Cadmium (Cd) †	ug/L	<0.0060	0.0060	2304858	0.0076	0.019	2304845	0.0065	0.0060	2304845
Calcium (Ca) †	ug/L	1900 (1)	60	2304858	1500	900	2304845	1200	20	2304845
Chromium (Cr) †	ug/L	0.22	0.040	2304858	0.18	0.23	2304845	0.20	0.040	2304845
Cobalt (Co) †	ug/L	0.036	0.0080	2304858	0.036	0.18	2304845	0.059	0.0080	2304845
Copper (Cu) †	ug/L	0.30	0.050	2304858	0.78	0.41	2304845	0.25	0.050	2304845
Tin (Sn) †	ug/L	<0.050	0.050	2304858	4.3	<0.050	2304845	<0.050	0.050	2304845
Iron (Fe) †	ug/L	160 (1)	3.0	2304858	130	250	2304845	190	0.50	2304845
Lithium (Li) †	ug/L	0.64	0.10	2304858	0.34	0.63	2304845	0.51	0.10	2304845
Magnesium (Mg) †	ug/L	570	10	2304858	470	190	2304845	350	10	2304845
Manganese (Mn) †	ug/L	7.2 (1)	0.080	2304858	6.0	6.7	2304845	5.7	0.030	2304845
Mercury (Hg) †	ug/L	<0.0030 (1)	0.0030	2304858	<0.0020	0.0021	2304845	<0.0020	0.0020	2304845
Molybdenum (Mo) †	ug/L	0.069	0.010	2304858	0.074	0.12	2304845	0.075	0.010	2304845
Nickel (Ni) †	ug/L	0.22	0.030	2304858	0.24 (1)	0.40 (1)	2304845	0.17 (1)	0.12	2304845
Lead (Pb) †	ug/L	0.074	0.010	2304858	0.063	0.11	2304845	0.094	0.010	2304845
Potassium (K) †	ug/L	290	10	2304858	230	200	2304845	260	10	2304845
Selenium (Se) †	ug/L	<0.050	0.050	2304858	<0.050	<0.050	2304845	0.052	0.050	2304845
Sodium (Na) †	ug/L	700	10	2304858	510	460	2304845	550	10	2304845
Strontium (Sr) †	ug/L	9.5 (1)	0.30	2304858	8.3	5.9	2310156	7.8	0.040	2310151
Tellurium (Te) †	ug/L	<0.0050	0.0050	2304858	<0.0050	<0.0050	2304845	<0.0050	0.0050	2304845
Thallium (Tl) †	ug/L	<0.010	0.010	2304858	<0.010	<0.010	2304845	<0.010	0.010	2304845
Titanium (Ti) †	ug/L	1.4	0.40	2304858	0.87	1.4	2304845	1.4	0.40	2304845
Tungsten (W) †	ug/L	<0.040	0.040	2304858	<0.040	<0.040	2304845	<0.040	0.040	2304845
Uranium (U) †	ug/L	0.070	0.0010	2304858	0.057	0.067	2304845	0.17	0.0010	2304845

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3171			KM3229	KM3230		KM3231		
Sampling Date		2022/06/01 13:00			2022/06/01 13:30	2022/06/02 13:10		2022/06/01 12:10		
COC Number		247451-01-01			247451-02-01	247451-02-01		247451-02-01		
	Units	ST-8 SURF	RDL	QC Batch	ST-8 FOND	ST-9	QC Batch	ST-10	RDL	QC Batch
Vanadium (V) †	ug/L	0.13	0.050	2304858	0.14	0.27	2304845	0.18	0.050	2304845
Zinc (Zn) †	ug/L	3.0 (1)	1.4	2304858	1.6	1.6	2304845	1.1	0.50	2304845
Total Hardness (CaCO3) †	ug/L	7200	150	2304858	5700	3000	2304845	4500	40	2304845
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.27	0.040	2304876	0.29	0.44	2304882	0.41	0.040	2304882
Cesium (Cs) †	ug/L	0.027	0.020	2304876	0.028	0.085	2304882	0.046	0.020	2304882
Dysprosium (Dy) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	2304882	<0.040	0.040	2304882
Erbium (Er) †	ug/L	<0.020	0.020	2304876	<0.020	<0.020	2304882	<0.020	0.020	2304882
Europium (Eu) †	ug/L	<0.020	0.020	2304876	<0.020	<0.020	2304882	<0.020	0.020	2304882
Gadolinium (Gd) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	2304882	<0.040	0.040	2304882
Holmium (Ho) †	ug/L	<0.015	0.015	2304876	<0.015	<0.015	2304882	<0.015	0.015	2304882
Gallium (Ga) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	2304882	<0.040	0.040	2304882
Lanthanum (La) †	ug/L	0.19	0.020	2304876	0.19	0.26	2304882	0.26	0.020	2304882
Lutetium (Lu) †	ug/L	<0.016	0.016	2304876	<0.016	<0.016	2304882	<0.016	0.016	2304882
Neodymium (Nd) †	ug/L	0.15	0.040	2304876	0.15	0.21	2304882	0.20	0.040	2304882
Praseodymium (Pr) †	ug/L	0.039	0.010	2304876	0.041	0.057	2304882	0.056	0.010	2304882
Rhenium (Re) †	ug/L	<0.040	0.040	2304876	<0.040	<0.040	2304882	<0.040	0.040	2304882
Rhodium (Rh) †	ug/L	<0.020	0.020	2304876	<0.020	<0.020	2304882	<0.020	0.020	2304882
Rubidium (Rb) †	ug/L	0.75	0.020	2304876	0.74	0.82	2304882	0.82	0.020	2304882
Samarium (Sm) †	ug/L	<0.030	0.030	2304876	<0.030	0.033	2304882	0.032	0.030	2304882
Scandium (Sc) †	ug/L	<0.020	0.020	2304876	0.022	0.028	2304882	0.026	0.020	2304882
Terbium (Tb) †	ug/L	<0.010	0.010	2304876	<0.010	<0.010	2304882	<0.010	0.010	2304882
Thorium (Th) †	ug/L	<0.015	0.015	2304876	<0.015	0.015	2304882	0.019	0.015	2304882
Thulium (Tm) †	ug/L	<0.016	0.016	2304876	<0.016	<0.016	2304882	<0.016	0.016	2304882
Ytterbium (Yb) †	ug/L	<0.070	0.070	2304876	<0.070	<0.070	2304882	<0.070	0.070	2304882
Yttrium (Y) †	ug/L	0.085	0.020	2304876	0.082	0.10	2304882	0.11	0.020	2304882

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3232	KM3233			KM3234		
Sampling Date		2022/06/02 10:52	2022/06/02 11:15			2022/06/03 09:50		
COC Number		247451-02-01	247451-02-01			247451-02-01		
	Units	ST-11 SURFACE	ST-11 FOND	RDL	QC Batch	ST-12	RDL	QC Batch
METALS								
Aluminum (Al) †	ug/L	66	68	5.0	2304845	88	5.0	2304858
Antimony (Sb) †	ug/L	0.019	0.020	0.0050	2304845	0.025	0.0050	2304858
Silver (Ag) †	ug/L	<0.0030	<0.0030	0.0030	2304845	<0.0030	0.0030	2304858
Arsenic (As) †	ug/L	0.21	0.26	0.080	2304845	0.23	0.080	2304858
Barium (Ba) †	ug/L	4.1	4.2	0.030	2304845	4.6	0.030	2304858
Beryllium (Be) †	ug/L	<0.010	<0.010	0.010	2304845	<0.010	0.010	2304858
Bismuth (Bi) †	ug/L	<0.0090	<0.0090	0.0090	2304845	<0.0090	0.0090	2304858
Boron (B) †	ug/L	1.0	1.1	0.30	2304845	1.3	0.30	2304858
Cadmium (Cd) †	ug/L	0.0067	0.0096	0.0060	2304845	0.0076	0.0060	2304858
Calcium (Ca) †	ug/L	1500	1600	20	2304845	1900 (1)	60	2304858
Chromium (Cr) †	ug/L	0.18	0.17	0.040	2304845	0.18	0.040	2304858
Cobalt (Co) †	ug/L	0.037	0.056	0.0080	2304845	0.056	0.0080	2304858
Copper (Cu) †	ug/L	0.23	0.57	0.050	2304845	0.28	0.050	2304858
Tin (Sn) †	ug/L	<0.050	2.8	0.050	2304845	<0.050	0.050	2304858
Iron (Fe) †	ug/L	130	160	0.50	2304845	170 (1)	3.0	2304858
Lithium (Li) †	ug/L	0.34	0.37	0.10	2304845	0.67	0.10	2304858
Magnesium (Mg) †	ug/L	460	460	10	2304845	540	10	2304858
Manganese (Mn) †	ug/L	6.7	9.4	0.030	2304845	9.5 (1)	0.080	2304858
Mercury (Hg) †	ug/L	<0.0020	<0.0020	0.0020	2304845	<0.0030 (1)	0.0030	2304858
Molybdenum (Mo) †	ug/L	0.074	0.085	0.010	2304845	0.092	0.010	2304858
Nickel (Ni) †	ug/L	0.20 (1)	0.54 (1)	0.12	2304845	0.17	0.030	2304858
Lead (Pb) †	ug/L	0.055	0.069	0.010	2304845	0.070	0.010	2304858
Potassium (K) †	ug/L	310	240	10	2304845	330	10	2304858
Selenium (Se) †	ug/L	0.051	0.058	0.050	2304845	<0.050	0.050	2304858
Sodium (Na) †	ug/L	530	560	10	2304845	700	10	2304858
Strontium (Sr) †	ug/L	8.4	8.5	0.040	2310151	9.3 (1)	0.30	2304858
Tellurium (Te) †	ug/L	<0.0050	<0.0050	0.0050	2304845	<0.0050	0.0050	2304858
Thallium (Tl) †	ug/L	<0.010	<0.010	0.010	2304845	<0.010	0.010	2304858
Titanium (Ti) †	ug/L	<0.40	0.79	0.40	2304845	1.3	0.40	2304858
Tungsten (W) †	ug/L	<0.040	<0.040	0.040	2304845	<0.040	0.040	2304858
Uranium (U) †	ug/L	0.062	0.068	0.0010	2304845	0.076	0.0010	2304858

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3232	KM3233			KM3234		
Sampling Date		2022/06/02 10:52	2022/06/02 11:15			2022/06/03 09:50		
COC Number		247451-02-01	247451-02-01			247451-02-01		
	Units	ST-11 SURFACE	ST-11 FOND	RDL	QC Batch	ST-12	RDL	QC Batch
Vanadium (V) †	ug/L	0.11	0.12	0.050	2304845	0.12	0.050	2304858
Zinc (Zn) †	ug/L	1.3	1.5	0.50	2304845	<1.4 (1)	1.4	2304858
Total Hardness (CaCO3) †	ug/L	5600	5800	40	2304845	6900	150	2304858
METALS ICP-MS								
Cerium (Ce) †	ug/L	0.28	0.30	0.040	2304882	0.28	0.040	2304876
Cesium (Cs) †	ug/L	0.032	0.038	0.020	2304882	0.034	0.020	2304876
Dysprosium (Dy) †	ug/L	<0.040	<0.040	0.040	2304882	<0.040	0.040	2304876
Erbium (Er) †	ug/L	<0.020	<0.020	0.020	2304882	<0.020	0.020	2304876
Europium (Eu) †	ug/L	<0.020	<0.020	0.020	2304882	<0.020	0.020	2304876
Gadolinium (Gd) †	ug/L	<0.040	<0.040	0.040	2304882	<0.040	0.040	2304876
Holmium (Ho) †	ug/L	<0.015	<0.015	0.015	2304882	<0.015	0.015	2304876
Gallium (Ga) †	ug/L	<0.040	<0.040	0.040	2304882	<0.040	0.040	2304876
Lanthanum (La) †	ug/L	0.19	0.20	0.020	2304882	0.19	0.020	2304876
Lutetium (Lu) †	ug/L	<0.016	<0.016	0.016	2304882	<0.016	0.016	2304876
Neodymium (Nd) †	ug/L	0.15	0.16	0.040	2304882	0.15	0.040	2304876
Praseodymium (Pr) †	ug/L	0.041	0.043	0.010	2304882	0.041	0.010	2304876
Rhenium (Re) †	ug/L	<0.040	<0.040	0.040	2304882	<0.040	0.040	2304876
Rhodium (Rh) †	ug/L	<0.020	<0.020	0.020	2304882	<0.020	0.020	2304876
Rubidium (Rb) †	ug/L	0.76	0.79	0.020	2304882	0.76	0.020	2304876
Samarium (Sm) †	ug/L	<0.030	<0.030	0.030	2304882	<0.030	0.030	2304876
Scandium (Sc) †	ug/L	<0.020	0.023	0.020	2304882	<0.020	0.020	2304876
Terbium (Tb) †	ug/L	<0.010	<0.010	0.010	2304882	<0.010	0.010	2304876
Thorium (Th) †	ug/L	<0.015	<0.015	0.015	2304882	<0.015	0.015	2304876
Thulium (Tm) †	ug/L	<0.016	<0.016	0.016	2304882	<0.016	0.016	2304876
Ytterbium (Yb) †	ug/L	<0.070	<0.070	0.070	2304882	<0.070	0.070	2304876
Yttrium (Y) †	ug/L	0.084	0.087	0.020	2304882	0.083	0.020	2304876

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3235			KM3241	KM3242	KM3243	KM3244		
Sampling Date		2022/06/03 16:50			2022/06/03	2022/06/03 10:56	2022/06/03 14:30	2022/06/04 11:30		
COC Number		247451-02-01			247451-04-01	247451-04-01	247451-04-01	247451-04-01		
	Units	ST-13	RDL	QC Batch	DUP-3	BLANC B3	STATION ST 14	STATION ST 4	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	160	5.0	2304845	160	<5.0	160	230	5.0	2304858
Antimony (Sb) †	ug/L	0.025	0.0050	2304845	0.061	<0.0050	0.055	0.048	0.0050	2304858
Silver (Ag) †	ug/L	<0.0030	0.0030	2304845	0.0030	<0.0030	<0.0030	<0.0030	0.0030	2304858
Arsenic (As) †	ug/L	0.25	0.080	2304845	0.54	<0.080	0.58	0.23	0.080	2304858
Barium (Ba) †	ug/L	4.5	0.030	2304845	3.6	0.050	4.3	6.5	0.030	2304858
Beryllium (Be) †	ug/L	0.014	0.010	2304845	<0.010	<0.010	<0.010	0.018	0.010	2304858
Bismuth (Bi) †	ug/L	<0.0090	0.0090	2304845	<0.0090	<0.0090	<0.0090	<0.0090	0.0090	2304858
Boron (B) †	ug/L	0.95	0.30	2304845	1.5	<0.30	2.2	1.2	0.30	2304858
Cadmium (Cd) †	ug/L	0.011	0.0060	2304845	0.012	<0.0060	0.013	0.018	0.0060	2304858
Calcium (Ca) †	ug/L	840	20	2304845	1200 (1)	<60 (1)	1900 (1)	1300 (1)	60	2304858
Chromium (Cr) †	ug/L	0.30	0.040	2304845	0.23	<0.040	0.25	0.25	0.040	2304858
Cobalt (Co) †	ug/L	0.50	0.0080	2304845	0.25	0.017	0.34	0.15	0.0080	2304858
Copper (Cu) †	ug/L	1.0	0.050	2304845	0.62	<0.050	0.60	0.81	0.050	2304858
Tin (Sn) †	ug/L	<0.050	0.050	2304845	<0.050	<0.050	<0.050	<0.050	0.050	2304858
Iron (Fe) †	ug/L	380	0.50	2304845	240 (1)	6.1 (1)	320 (1)	170 (1)	3.0	2304858
Lithium (Li) †	ug/L	1.2	0.10	2304845	1.1	0.15	2.7	1.4	0.10	2304858
Magnesium (Mg) †	ug/L	200	10	2304845	220	<10	300	260	10	2304858
Manganese (Mn) †	ug/L	17	0.030	2304845	8.5 (1)	0.24 (1)	15 (1)	6.1 (1)	0.080	2304858
Mercury (Hg) †	ug/L	<0.0020	0.0020	2304845	<0.0030 (1)	<0.0030 (1)	<0.0030 (1)	<0.0030 (1)	0.0030	2304858
Molybdenum (Mo) †	ug/L	0.41	0.010	2304845	0.15	<0.010	0.15	0.22	0.010	2304858
Nickel (Ni) †	ug/L	0.51 (1)	0.12	2304845	0.61	<0.030	0.87	2.1	0.030	2304858
Lead (Pb) †	ug/L	0.13	0.010	2304845	0.16	<0.010	0.14	0.39	0.010	2304858
Potassium (K) †	ug/L	200	10	2304845	300	<10	300	290	10	2304858
Selenium (Se) †	ug/L	0.057	0.050	2304845	<0.050	<0.050	<0.050	<0.050	0.050	2304858
Sodium (Na) †	ug/L	460	10	2304845	620	<10	720	860	10	2304858
Strontium (Sr) †	ug/L	4.7	0.040	2310156	6.8 (1)	<0.30 (1)	9.2 (1)	8.3 (1)	0.30	2304858
Tellurium (Te) †	ug/L	<0.0050	0.0050	2304845	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	2304858
Thallium (Tl) †	ug/L	<0.010	0.010	2304845	<0.010	<0.010	<0.010	<0.010	0.010	2304858
Titanium (Ti) †	ug/L	1.6	0.40	2304845	2.1	<0.40	2.0	1.8	0.40	2304858
Tungsten (W) †	ug/L	<0.040	0.040	2304845	<0.040	<0.040	<0.040	<0.040	0.040	2304858
Uranium (U) †	ug/L	0.12	0.0010	2304845	0.090	<0.0010	0.091	0.44	0.0010	2304858

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3235			KM3241	KM3242	KM3243	KM3244		
Sampling Date		2022/06/03 16:50			2022/06/03	2022/06/03 10:56	2022/06/03 14:30	2022/06/04 11:30		
COC Number		247451-02-01			247451-04-01	247451-04-01	247451-04-01	247451-04-01		
	Units	ST-13	RDL	QC Batch	DUP-3	BLANC B3	STATION ST 14	STATION ST 4	RDL	QC Batch
Vanadium (V) †	ug/L	0.26	0.050	2304845	0.30	<0.050	0.32	0.31	0.050	2304858
Zinc (Zn) †	ug/L	3.2	0.50	2304845	4.0 (1)	1.5 (1)	3.7 (1)	16 (1)	1.4	2304858
Total Hardness (CaCO3) †	ug/L	2900	40	2304845	3800	<150	5900	4400	150	2304858
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.62	0.040	2304882	0.39	<0.040	0.41	0.36	0.040	2304876
Cesium (Cs) †	ug/L	0.18	0.020	2304882	0.082	<0.020	0.19	0.12	0.020	2304876
Dysprosium (Dy) †	ug/L	<0.040	0.040	2304882	<0.040	<0.040	<0.040	<0.040	0.040	2304876
Erbium (Er) †	ug/L	<0.020	0.020	2304882	<0.020	<0.020	<0.020	0.020	0.020	2304876
Europium (Eu) †	ug/L	<0.020	0.020	2304882	<0.020	<0.020	<0.020	<0.020	0.020	2304876
Gadolinium (Gd) †	ug/L	0.041	0.040	2304882	<0.040	<0.040	<0.040	<0.040	0.040	2304876
Holmium (Ho) †	ug/L	<0.015	0.015	2304882	<0.015	<0.015	<0.015	<0.015	0.015	2304876
Gallium (Ga) †	ug/L	<0.040	0.040	2304882	<0.040	<0.040	<0.040	<0.040	0.040	2304876
Lanthanum (La) †	ug/L	0.31	0.020	2304882	0.24	<0.020	0.24	0.22	0.020	2304876
Lutetium (Lu) †	ug/L	<0.016	0.016	2304882	<0.016	<0.016	<0.016	<0.016	0.016	2304876
Neodymium (Nd) †	ug/L	0.26	0.040	2304882	0.18	<0.040	0.19	0.19	0.040	2304876
Praseodymium (Pr) †	ug/L	0.069	0.010	2304882	0.049	<0.010	0.051	0.049	0.010	2304876
Rhenium (Re) †	ug/L	<0.040	0.040	2304882	<0.040	<0.040	<0.040	<0.040	0.040	2304876
Rhodium (Rh) †	ug/L	<0.020	0.020	2304882	<0.020	<0.020	<0.020	<0.020	0.020	2304876
Rubidium (Rb) †	ug/L	1.1	0.020	2304882	0.84	<0.020	1.0	0.91	0.020	2304876
Samarium (Sm) †	ug/L	0.046	0.030	2304882	0.030	<0.030	0.032	0.034	0.030	2304876
Scandium (Sc) †	ug/L	0.037	0.020	2304882	0.027	<0.020	0.021	0.031	0.020	2304876
Terbium (Tb) †	ug/L	<0.010	0.010	2304882	<0.010	<0.010	<0.010	<0.010	0.010	2304876
Thorium (Th) †	ug/L	0.042	0.015	2304882	<0.015	<0.015	<0.015	0.016	0.015	2304876
Thulium (Tm) †	ug/L	<0.016	0.016	2304882	<0.016	<0.016	<0.016	<0.016	0.016	2304876
Ytterbium (Yb) †	ug/L	<0.070	0.070	2304882	<0.070	<0.070	<0.070	<0.070	0.070	2304876
Yttrium (Y) †	ug/L	0.21	0.020	2304882	0.091	<0.020	0.095	0.21	0.020	2304876

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3245			KM3246			KM3247		
Sampling Date		2022/06/01			2022/06/02			2022/06/02 13:00		
COC Number		247451-04-01			247451-04-01			247451-04-01		
	Units	DUP-1	RDL	QC Batch	DUP-2	RDL	QC Batch	BLANC B2 LOT 22MA26-A	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	82	5.0	2304852	160	5.0	2304858	<5.0	5.0	2304852
Antimony (Sb) †	ug/L	0.017	0.0050	2304852	0.053	0.0050	2304858	<0.0050	0.0050	2304852
Silver (Ag) †	ug/L	<0.0030	0.0030	2304852	<0.0030	0.0030	2304858	<0.0030	0.0030	2304852
Arsenic (As) †	ug/L	0.21	0.080	2304852	0.70	0.080	2304858	<0.080	0.080	2304852
Barium (Ba) †	ug/L	4.3	0.030	2304852	3.7	0.030	2304858	<0.030	0.030	2304852
Beryllium (Be) †	ug/L	<0.010	0.010	2304852	0.011	0.010	2304858	<0.010	0.010	2304852
Bismuth (Bi) †	ug/L	<0.0090	0.0090	2304852	<0.0090	0.0090	2304858	<0.0090	0.0090	2304852
Boron (B) †	ug/L	1.1	0.30	2304852	1.4	0.30	2304858	<0.30	0.30	2304852
Cadmium (Cd) †	ug/L	0.0070	0.0060	2304852	0.023	0.0060	2304858	<0.0060	0.0060	2304852
Calcium (Ca) †	ug/L	1800	20	2304852	1300 (1)	60	2304858	<20	20	2304852
Chromium (Cr) †	ug/L	0.24	0.040	2304852	0.35	0.040	2304858	<0.040	0.040	2304852
Cobalt (Co) †	ug/L	0.040	0.0080	2304852	0.23	0.0080	2304858	<0.0080	0.0080	2304852
Copper (Cu) †	ug/L	0.60	0.050	2304852	0.55	0.050	2304858	<0.050	0.050	2304852
Tin (Sn) †	ug/L	<0.050	0.050	2304852	<0.050	0.050	2304858	<0.050	0.050	2304852
Iron (Fe) †	ug/L	150	0.50	2304852	340 (1)	3.0	2304858	0.52	0.50	2304852
Lithium (Li) †	ug/L	0.34	0.10	2304852	1.1	0.10	2304858	<0.10	0.10	2304852
Magnesium (Mg) †	ug/L	460	10	2304852	280	10	2304858	<10	10	2304852
Manganese (Mn) †	ug/L	6.7	0.030	2304852	8.9 (1)	0.080	2304858	<0.030	0.030	2304852
Mercury (Hg) †	ug/L	<0.0020	0.0020	2304852	<0.0030 (1)	0.0030	2304858	<0.0020	0.0020	2304852
Molybdenum (Mo) †	ug/L	0.071	0.010	2304852	0.13	0.010	2304858	<0.010	0.010	2304852
Nickel (Ni) †	ug/L	0.22	0.030	2304852	0.53	0.030	2304858	<0.030	0.030	2304852
Lead (Pb) †	ug/L	0.066	0.010	2304852	0.15	0.010	2304858	<0.010	0.010	2304852
Potassium (K) †	ug/L	260	10	2304852	310	10	2304858	<10	10	2304852
Selenium (Se) †	ug/L	<0.050	0.050	2304852	<0.050	0.050	2304858	<0.050	0.050	2304852
Sodium (Na) †	ug/L	630	10	2304852	690	10	2304858	<10	10	2304852
Strontium (Sr) †	ug/L	9.2	0.040	2304852	7.6 (1)	0.30	2304858	<0.040	0.040	2304852
Tellurium (Te) †	ug/L	<0.0050	0.0050	2304852	<0.0050	0.0050	2304858	<0.0050	0.0050	2304852
Thallium (Tl) †	ug/L	<0.010	0.010	2304852	<0.010	0.010	2304858	<0.010	0.010	2304852
Titanium (Ti) †	ug/L	1.1	0.40	2304852	2.0	0.40	2304858	<0.40	0.40	2304852
Tungsten (W) †	ug/L	<0.040	0.040	2304852	<0.040	0.040	2304858	<0.040	0.040	2304852
Uranium (U) †	ug/L	0.065	0.0010	2304852	0.088	0.0010	2304858	<0.0010	0.0010	2304852

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3245			KM3246			KM3247		
Sampling Date		2022/06/01			2022/06/02			2022/06/02 13:00		
COC Number		247451-04-01			247451-04-01			247451-04-01		
	Units	DUP-1	RDL	QC Batch	DUP-2	RDL	QC Batch	BLANC B2 LOT 22MA26-A	RDL	QC Batch
Vanadium (V) †	ug/L	0.12	0.050	2304852	0.31	0.050	2304858	<0.050	0.050	2304852
Zinc (Zn) †	ug/L	1.5 (1)	0.62	2310151	3.6 (1)	1.4	2304858	<0.62 (1)	0.62	2310151
Total Hardness (CaCO3) †	ug/L	6300	40	2304852	4500	150	2304858	<40	40	2304852
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.27	0.040	2304883	0.43	0.040	2304876	<0.040	0.040	2304883
Cesium (Cs) †	ug/L	0.027	0.020	2304883	0.082	0.020	2304876	<0.020	0.020	2304883
Dysprosium (Dy) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304876	<0.040	0.040	2304883
Erbium (Er) †	ug/L	<0.020	0.020	2304883	<0.020	0.020	2304876	<0.020	0.020	2304883
Europium (Eu) †	ug/L	<0.020	0.020	2304883	<0.020	0.020	2304876	<0.020	0.020	2304883
Gadolinium (Gd) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304876	<0.040	0.040	2304883
Holmium (Ho) †	ug/L	<0.015	0.015	2304883	<0.015	0.015	2304876	<0.015	0.015	2304883
Gallium (Ga) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304876	<0.040	0.040	2304883
Lanthanum (La) †	ug/L	0.18	0.020	2304883	0.26	0.020	2304876	<0.020	0.020	2304883
Lutetium (Lu) †	ug/L	<0.016	0.016	2304883	<0.016	0.016	2304876	<0.016	0.016	2304883
Neodymium (Nd) †	ug/L	0.15	0.040	2304883	0.20	0.040	2304876	<0.040	0.040	2304883
Praseodymium (Pr) †	ug/L	0.040	0.010	2304883	0.055	0.010	2304876	<0.010	0.010	2304883
Rhenium (Re) †	ug/L	<0.040	0.040	2304883	<0.040	0.040	2304876	<0.040	0.040	2304883
Rhodium (Rh) †	ug/L	<0.020	0.020	2304883	<0.020	0.020	2304876	<0.020	0.020	2304883
Rubidium (Rb) †	ug/L	0.74	0.020	2304883	0.85	0.020	2304876	<0.020	0.020	2304883
Samarium (Sm) †	ug/L	<0.030	0.030	2304883	0.031	0.030	2304876	<0.030	0.030	2304883
Scandium (Sc) †	ug/L	0.022	0.020	2304883	0.023	0.020	2304876	<0.020	0.020	2304883
Terbium (Tb) †	ug/L	<0.010	0.010	2304883	<0.010	0.010	2304876	<0.010	0.010	2304883
Thorium (Th) †	ug/L	<0.015	0.015	2304883	0.015	0.015	2304876	<0.015	0.015	2304883
Thulium (Tm) †	ug/L	<0.016	0.016	2304883	<0.016	0.016	2304876	<0.016	0.016	2304883
Ytterbium (Yb) †	ug/L	<0.070	0.070	2304883	<0.070	0.070	2304876	<0.070	0.070	2304883
Yttrium (Y) †	ug/L	0.083	0.020	2304883	0.10	0.020	2304876	<0.020	0.020	2304883

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(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3248	KM3249		
Sampling Date		2022/06/01 15:30	2022/06/01		
COC Number		247451-04-01	247451-04-01		
	Units	BLANC B1 LOT 22MA26-A	BLANC TRANSPORT LOT 22MA26-A	RDL	QC Batch
METALS					
Aluminum (Al) †	ug/L	<5.0	<5.0	5.0	2304858
Antimony (Sb) †	ug/L	<0.0050	<0.0050	0.0050	2304858
Silver (Ag) †	ug/L	<0.0030	<0.0030	0.0030	2304858
Arsenic (As) †	ug/L	<0.080	<0.080	0.080	2304858
Barium (Ba) †	ug/L	0.096	0.044	0.030	2304858
Beryllium (Be) †	ug/L	<0.010	<0.010	0.010	2304858
Bismuth (Bi) †	ug/L	<0.0090	<0.0090	0.0090	2304858
Boron (B) †	ug/L	<0.30	<0.30	0.30	2304858
Cadmium (Cd) †	ug/L	<0.0060	<0.0060	0.0060	2304858
Calcium (Ca) †	ug/L	<60 (1)	<60 (1)	60	2304858
Chromium (Cr) †	ug/L	<0.040	<0.040	0.040	2304858
Cobalt (Co) †	ug/L	<0.0080	<0.0080	0.0080	2304858
Copper (Cu) †	ug/L	<0.050	<0.050	0.050	2304858
Tin (Sn) †	ug/L	<0.050	<0.050	0.050	2304858
Iron (Fe) †	ug/L	3.7 (1)	3.6 (1)	3.0	2304858
Lithium (Li) †	ug/L	0.14	<0.10	0.10	2304858
Magnesium (Mg) †	ug/L	<10	<10	10	2304858
Manganese (Mn) †	ug/L	<0.080 (1)	<0.080 (1)	0.080	2304858
Mercury (Hg) †	ug/L	<0.0030 (1)	<0.0030 (1)	0.0030	2304858
Molybdenum (Mo) †	ug/L	<0.010	<0.010	0.010	2304858
Nickel (Ni) †	ug/L	<0.030	<0.030	0.030	2304858
Lead (Pb) †	ug/L	0.016	<0.010	0.010	2304858
Potassium (K) †	ug/L	<10	<10	10	2304858
Selenium (Se) †	ug/L	<0.050	<0.050	0.050	2304858
Sodium (Na) †	ug/L	<10	<10	10	2304858
Strontium (Sr) †	ug/L	<0.30 (1)	<0.30 (1)	0.30	2304858
Tellurium (Te) †	ug/L	<0.0050	<0.0050	0.0050	2304858
Thallium (Tl) †	ug/L	<0.010	<0.010	0.010	2304858
Titanium (Ti) †	ug/L	<0.40	0.43	0.40	2304858
Tungsten (W) †	ug/L	<0.040	<0.040	0.040	2304858
Uranium (U) †	ug/L	<0.0010	<0.0010	0.0010	2304858

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QC Batch = Quality Control Batch
† Parameter is not accreditable
(1) The detection limit was raised due to instrumentation.

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KM3248	KM3249		
Sampling Date		2022/06/01 15:30	2022/06/01		
COC Number		247451-04-01	247451-04-01		
	Units	BLANC B1 LOT 22MA26-A	BLANC TRANSPORT LOT 22MA26-A	RDL	QC Batch
Vanadium (V) †	ug/L	<0.050	<0.050	0.050	2304858
Zinc (Zn) †	ug/L	<1.4 (1)	<1.4 (1)	1.4	2304858
Total Hardness (CaCO3) †	ug/L	<150	<150	150	2304858
METALS ICP-MS					
Cerium (Ce) †	ug/L	<0.040	<0.040	0.040	2304876
Cesium (Cs) †	ug/L	<0.020	<0.020	0.020	2304876
Dysprosium (Dy) †	ug/L	<0.040	<0.040	0.040	2304876
Erbium (Er) †	ug/L	<0.020	<0.020	0.020	2304876
Europium (Eu) †	ug/L	<0.020	<0.020	0.020	2304876
Gadolinium (Gd) †	ug/L	<0.040	<0.040	0.040	2304876
Holmium (Ho) †	ug/L	<0.015	<0.015	0.015	2304876
Gallium (Ga) †	ug/L	<0.040	<0.040	0.040	2304876
Lanthanum (La) †	ug/L	<0.020	<0.020	0.020	2304876
Lutetium (Lu) †	ug/L	<0.016	<0.016	0.016	2304876
Neodymium (Nd) †	ug/L	<0.040	<0.040	0.040	2304876
Praseodymium (Pr) †	ug/L	<0.010	<0.010	0.010	2304876
Rhenium (Re) †	ug/L	<0.040	<0.040	0.040	2304876
Rhodium (Rh) †	ug/L	<0.020	<0.020	0.020	2304876
Rubidium (Rb) †	ug/L	<0.020	<0.020	0.020	2304876
Samarium (Sm) †	ug/L	<0.030	<0.030	0.030	2304876
Scandium (Sc) †	ug/L	<0.020	<0.020	0.020	2304876
Terbium (Tb) †	ug/L	<0.010	<0.010	0.010	2304876
Thorium (Th) †	ug/L	<0.015	<0.015	0.015	2304876
Thulium (Tm) †	ug/L	<0.016	<0.016	0.016	2304876
Ytterbium (Yb) †	ug/L	<0.070	<0.070	0.070	2304876
Yttrium (Y) †	ug/L	<0.020	<0.020	0.020	2304876

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3162	KM3162		KM3163	KM3163		
Sampling Date		2022/06/03 15:30	2022/06/03 15:30		2022/06/03 13:20	2022/06/03 13:20		
COC Number		247451-01-01	247451-01-01		247451-01-01	247451-01-01		
	Units	ST-1	ST-1 Lab-Dup	QC Batch	ST-2	ST-2 Lab-Dup	RDL	QC Batch
CONVENTIONALS								
BOD5	mg/L	<2.2	N/A	2300252	<2.2	N/A	2.2	2300252
Conductivity	mS/cm	0.0093	N/A	2300444	0.0077	N/A	0.0010	2300283
Dissolved Carbon †	mg/L	8.0	N/A	2300065	8.6	N/A	0.20	2300065
Dissolved inorganic carbon †	mg/L	1.9	N/A	2299913	1.7	N/A	0.20	2299913
Dissolved organic carbon †	mg/L	6.1	N/A	2300070	6.9	N/A	0.20	2300070
Fluoride (F) †	mg/L	0.014	N/A	2301710	<0.010	N/A	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	<0.020	N/A	2300918	<0.020	N/A	0.020	2300918
Nitrates (N-NO3-)	mg/L	<0.020	N/A	2300918	<0.020	N/A	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	N/A	2300918	<0.020	N/A	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	N/A	2302298	<0.020	N/A	0.020	2302430
pH	pH	6.35	N/A	2300436	5.95	N/A	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	N/A	2307113	<0.020	N/A	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	<0.40	2300900	<0.40	<0.40	0.40	2304165
Total Organic Carbon	mg/L	6.0	N/A	2300083	6.8	N/A	0.20	2300083
Turbidity	NTU	0.70	N/A	2300523	0.74	N/A	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	2.1	N/A	2300440	1.2	N/A	1.0	2300281
Bromide (Br-)	mg/L	<0.10	N/A	2300930	<0.10	N/A	0.10	2300930
Chloride (Cl)	mg/L	0.17	N/A	2300930	0.21	N/A	0.050	2300930
Total Dissolved Solids	mg/L	26	N/A	2301339	37	N/A	10	2301339
Total Solids	mg/L	72	N/A	2301342	80	N/A	10	2301342
Total suspended solids (TSS)	mg/L	3.0	N/A	2301229	3.0	N/A	2.0	2301229

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3164			KM3165	KM3165		
Sampling Date		2022/06/03 11:00			2022/06/02 15:30	2022/06/02 15:30		
COC Number		247451-01-01			247451-01-01	247451-01-01		
	Units	ST-3	RDL	QC Batch	ST-5	ST-5 Lab-Dup	RDL	QC Batch
CONVENTIONALS								
BOD5	mg/L	<2.4	2.4	2300252	<2.7	<2.7	2.7	2300886
Conductivity	mS/cm	0.082	0.0010	2300444	0.013	N/A	0.0010	2300444
Dissolved Carbon †	mg/L	6.2	0.20	2300065	6.7	N/A	0.20	2300065
Dissolved inorganic carbon †	mg/L	1.4	0.20	2299913	1.9	N/A	0.20	2299913
Dissolved organic carbon †	mg/L	4.8	0.20	2300070	4.9	N/A	0.20	2300070
Fluoride (F) †	mg/L	0.018	0.010	2301711	0.014	N/A	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	<0.020	0.020	2300918	0.023	N/A	0.020	2300918
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2300918	0.023	N/A	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300918	<0.020	N/A	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302465	<0.020	N/A	0.020	2302465
pH	pH	6.28	N/A	2300436	6.61	N/A	N/A	2300436
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	N/A	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	N/A	0.40	2300900
Total Organic Carbon	mg/L	4.7	0.20	2300083	4.8	N/A	0.20	2300083
Turbidity	NTU	0.46	0.10	2300523	0.70	N/A	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	2.4	1.0	2300440	4.0	N/A	1.0	2300440
Bromide (Br-)	mg/L	<0.10	0.10	2300930	<0.10	N/A	0.10	2300930
Chloride (Cl)	mg/L	0.48	0.050	2300930	0.27	N/A	0.050	2300930
Total Dissolved Solids	mg/L	77	10	2301339	32	N/A	10	2300644
Total Solids	mg/L	92	10	2301342	60	N/A	10	2300650
Total suspended solids (TSS)	mg/L	3.0	2.0	2300628	0.90	N/A	0.20	2300655

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3166			KM3167		KM3168		
Sampling Date		2022/06/02 14:50			2022/06/01 15:25		2022/06/01 16:00		
COC Number		247451-01-01			247451-01-01		247451-01-01		
	Units	ST-6	RDL	QC Batch	ST-7A SURF	QC Batch	ST-7A FOND	RDL	QC Batch
CONVENTIONALS									
BOD5	mg/L	<3.0	3.0	2300252	<2.0	2300886	<2.0	2.0	2300886
Conductivity	mS/cm	0.014	0.0010	2300283	0.013	2300283	0.013	0.0010	2300283
Dissolved Carbon †	mg/L	7.4	0.20	2300067	7.3	2300067	7.4	0.20	2300067
Dissolved inorganic carbon †	mg/L	2.1	0.20	2299913	2.1	2299913	2.2	0.20	2299913
Dissolved organic carbon †	mg/L	5.3	0.20	2300071	5.2	2300071	5.2	0.20	2300071
Fluoride (F) †	mg/L	0.012	0.010	2301711	0.013	2301711	0.014	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	0.042	0.020	2300321	0.038	2300321	0.041	0.020	2300317
Nitrates (N-NO3-)	mg/L	0.042	0.020	2300321	0.038	2300321	0.041	0.020	2300317
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300321	<0.020	2300321	<0.020	0.020	2300317
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302465	<0.020	2302465	<0.020	0.020	2302298
pH	pH	6.47	N/A	2300276	6.54	2300276	6.53	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	2307113	<0.020	0.020	2307115
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	2300900	<0.40	0.40	2300900
Total Organic Carbon	mg/L	5.4	0.20	2300079	5.3	2300079	5.4	0.20	2300079
Turbidity	NTU	0.49	0.10	2300523	0.71	2300523	0.76	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.3	1.0	2300281	4.5	2300281	4.2	1.0	2300281
Bromide (Br-)	mg/L	<0.10	0.10	2300329	<0.10	2300329	<0.10	0.10	2300320
Chloride (Cl)	mg/L	0.20	0.050	2300329	0.22	2300329	0.26	0.050	2300320
Total Dissolved Solids	mg/L	29	10	2300644	29	2300275	27	10	2300275
Total Solids	mg/L	36	10	2300650	36	2300282	32	10	2300282
Total suspended solids (TSS)	mg/L	4.0	2.0	2300628	0.70	2300502	1.1	0.20	2300502

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3169			KM3170	KM3170		
Sampling Date		2022/06/02 08:06			2022/06/02 08:25	2022/06/02 08:25		
COC Number		247451-01-01			247451-01-01	247451-01-01		
	Units	ST-7B SURF	RDL	QC Batch	ST-7B FOND	ST-7B FOND Lab-Dup	RDL	QC Batch
CONVENTIONALS								
BOD5	mg/L	<2.0	2.0	2300886	<2.0	N/A	2.0	2300886
Conductivity	mS/cm	0.013	0.0010	2300283	0.010	0.010	0.0010	2300283
Dissolved Carbon †	mg/L	7.3	0.20	2300067	7.4	N/A	0.20	2300067
Dissolved inorganic carbon †	mg/L	2.0	0.20	2299913	2.2	N/A	0.20	2299913
Dissolved organic carbon †	mg/L	5.3	0.20	2300071	5.2	N/A	0.20	2300071
Fluoride (F) †	mg/L	0.014	0.010	2301711	0.014	N/A	0.010	2301710
Nitrate (N) and Nitrite(N)	mg/L	0.039	0.020	2300918	0.036	N/A	0.020	2300918
Nitrates (N-NO3-)	mg/L	0.039	0.020	2300918	0.036	N/A	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300918	<0.020	N/A	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302298	<0.020	N/A	0.020	2302430
pH	pH	6.54	N/A	2300276	6.43	6.54	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	N/A	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	N/A	0.40	2304165
Total Organic Carbon	mg/L	5.3	0.20	2300079	5.3	N/A	0.20	2300079
Turbidity	NTU	0.72	0.10	2300523	0.69	N/A	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.5	1.0	2300281	4.1	4.0	1.0	2300281
Bromide (Br-)	mg/L	<0.10	0.10	2300930	<0.10	N/A	0.10	2300930
Chloride (Cl)	mg/L	0.21	0.050	2300930	0.21	N/A	0.050	2300930
Total Dissolved Solids	mg/L	25	10	2300644	16	N/A	12	2300644
Total Solids	mg/L	28	10	2300650	20	N/A	10	2300650
Total suspended solids (TSS)	mg/L	0.96	0.21	2300655	0.75	N/A	0.22	2300655

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3171			KM3229			KM3230		
Sampling Date		2022/06/01 13:00			2022/06/01 13:30			2022/06/02 13:10		
COC Number		247451-01-01			247451-02-01			247451-02-01		
	Units	ST-8 SURF	RDL	QC Batch	ST-8 FOND	RDL	QC Batch	ST-9	RDL	QC Batch
CONVENTIONALS										
BOD5	mg/L	<2.0	2.0	2300886	<2.0	2.0	2300886	<2.0	2.0	2300252
Conductivity	mS/cm	0.014	0.0010	2300444	0.013	0.0010	2300283	0.0084	0.0010	2300283
Dissolved Carbon †	mg/L	7.4	0.20	2300067	7.4	0.20	2300065	9.1	0.20	2300065
Dissolved inorganic carbon †	mg/L	2.2	0.20	2299913	2.0	0.20	2299913	1.8	0.20	2299913
Dissolved organic carbon †	mg/L	5.2	0.20	2300071	5.4	0.20	2300070	7.3	0.20	2300070
Fluoride (F) †	mg/L	0.014	0.010	2301711	0.014	0.010	2301711	0.012	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	0.039	0.020	2300918	0.038	0.020	2300321	<0.020	0.020	2300918
Nitrates (N-NO3-)	mg/L	0.039	0.020	2300918	0.038	0.020	2300321	<0.020	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300918	<0.020	0.020	2300321	<0.020	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302281	<0.020	0.020	2302471	<0.020	0.020	2302471
pH	pH	6.59	N/A	2300436	6.51	N/A	2300276	5.99	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	0.020	2307113	<0.020	0.020	2307115
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	0.40	2300900	<0.40	0.40	2300900
Total Organic Carbon	mg/L	5.4	0.20	2300079	5.3	0.20	2300083	7.1	0.20	2300083
Turbidity	NTU	0.91	0.10	2300523	0.81	0.10	2300549	0.81	0.10	2300549
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.2	1.0	2300440	4.4	1.0	2300281	1.5	1.0	2300281
Bromide (Br-)	mg/L	<0.10	0.10	2300930	<0.10	0.10	2300329	<0.10	0.10	2300930
Chloride (Cl)	mg/L	0.21	0.050	2300930	0.22	0.050	2300329	0.21	0.050	2300930
Total Dissolved Solids	mg/L	22	10	2300275	25	10	2300275	27	10	2300644
Total Solids	mg/L	24	10	2300282	28	10	2300282	56	10	2300650
Total suspended solids (TSS)	mg/L	0.52	0.21	2300502	0.90	0.20	2300502	4.0	2.0	2300628

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3230			KM3231		
Sampling Date		2022/06/02 13:10			2022/06/01 12:10		
COC Number		247451-02-01			247451-02-01		
	Units	ST-9 Lab-Dup	RDL	QC Batch	ST-10	RDL	QC Batch
CONVENTIONALS							
BOD5	mg/L	N/A	2.0	2300252	8.0	2.6	2300252
Conductivity	mS/cm	N/A	0.0010	2300283	0.010	0.0010	2300283
Dissolved Carbon †	mg/L	N/A	0.20	2300065	7.2	0.20	2300065
Dissolved inorganic carbon †	mg/L	N/A	0.20	2299913	1.6	0.20	2299913
Dissolved organic carbon †	mg/L	N/A	0.20	2300070	5.6	0.20	2300070
Fluoride (F) †	mg/L	N/A	0.010	2301711	0.015	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	N/A	0.020	2300918	0.036	0.020	2300918
Nitrates (N-NO3-)	mg/L	N/A	0.020	2300918	0.036	0.020	2300918
Nitrites (N-NO2-)	mg/L	N/A	0.020	2300918	<0.020	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	N/A	0.020	2302471	<0.020	0.020	2302293
pH	pH	N/A	N/A	2300276	6.30	N/A	2300276
Sulfides (S2-)	mg/L	N/A	0.020	2307115	<0.020	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	N/A	0.40	2300900	<0.40	0.40	2300900
Total Organic Carbon	mg/L	N/A	0.20	2300083	5.5	0.20	2300083
Turbidity	NTU	N/A	0.10	2300549	1.5	0.10	2300549
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	N/A	1.0	2300281	2.7	1.0	2300281
Bromide (Br-)	mg/L	N/A	0.10	2300930	<0.10	0.10	2300930
Chloride (Cl)	mg/L	N/A	0.050	2300930	0.19	0.050	2300930
Total Dissolved Solids	mg/L	N/A	10	2300644	29	10	2300275
Total Solids	mg/L	N/A	10	2300650	56	10	2300282
Total suspended solids (TSS)	mg/L	3.0	2.0	2300628	6.0	2.0	2300494

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3232			KM3233		
Sampling Date		2022/06/02 10:52			2022/06/02 11:15		
COC Number		247451-02-01			247451-02-01		
	Units	ST-11 SURFACE	RDL	QC Batch	ST-11 FOND	RDL	QC Batch
CONVENTIONALS							
BOD5	mg/L	<2.0	2.0	2300886	<2.0	2.0	2300886
Conductivity	mS/cm	0.013	0.0010	2300283	0.014	0.0010	2300283
Dissolved Carbon †	mg/L	7.4	0.20	2300065	7.7	0.20	2300065
Dissolved inorganic carbon †	mg/L	1.9	0.20	2299913	2.0	0.20	2299913
Dissolved organic carbon †	mg/L	5.5	0.20	2300070	5.6	0.20	2300070
Fluoride (F) †	mg/L	0.014	0.010	2301711	0.014	0.010	2301710
Nitrate (N) and Nitrite(N)	mg/L	0.044	0.020	2300321	0.11	0.020	2300321
Nitrates (N-NO3-)	mg/L	0.044	0.020	2300321	0.11	0.020	2300321
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300321	<0.020	0.020	2300321
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302298	<0.020	0.020	2302281
pH	pH	6.50	N/A	2300276	6.48	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	0.40	2300900
Total Organic Carbon	mg/L	5.3	0.20	2300083	5.4	0.20	2300083
Turbidity	NTU	0.62	0.10	2300549	0.70	0.10	2300549
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.3	1.0	2300281	4.5	1.0	2300281
Bromide (Br-)	mg/L	<0.10	0.10	2300329	<0.10	0.10	2300329
Chloride (Cl)	mg/L	0.22	0.050	2300329	0.24	0.050	2300329
Total Dissolved Solids	mg/L	25	10	2300644	24	10	2300644
Total Solids	mg/L	48	10	2300650	56	10	2300650
Total suspended solids (TSS)	mg/L	0.60	0.20	2300655	0.72	0.21	2300655

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3234			KM3235			KM3241		
Sampling Date		2022/06/03 09:50			2022/06/03 16:50			2022/06/03		
COC Number		247451-02-01			247451-02-01			247451-04-01		
	Units	ST-12	RDL	QC Batch	ST-13	RDL	QC Batch	DUP-3	RDL	QC Batch
CONVENTIONALS										
BOD5	mg/L	<2.0	2.0	2300886	<2.4	2.4	2300252	<2.6	2.6	2300252
Conductivity	mS/cm	0.013	0.0010	2300283	0.0078	0.0010	2300283	0.0076	0.0010	2300283
Dissolved Carbon †	mg/L	7.4	0.20	2300065	9.3	0.20	2300065	8.5	0.20	2300065
Dissolved inorganic carbon †	mg/L	1.9	0.20	2299913	1.7	0.20	2299913	1.5	0.20	2299913
Dissolved organic carbon †	mg/L	5.6	0.20	2300070	7.6	0.20	2300070	7.0	0.20	2300070
Fluoride (F) †	mg/L	0.014	0.010	2301710	0.012	0.010	2301711	0.012	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	0.040	0.020	2300321	0.022	0.020	2300918	<0.020	0.020	2300321
Nitrates (N-NO3-)	mg/L	0.040	0.020	2300321	0.022	0.020	2300918	<0.020	0.020	2300321
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300321	<0.020	0.020	2300918	<0.020	0.020	2300321
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302465	<0.020	0.020	2302298	<0.020	0.020	2302293
pH	pH	6.53	N/A	2300276	6.07	N/A	2300276	5.91	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	0.020	2307115	<0.020	0.020	2307113	<0.020	0.020	2307115
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	0.40	2304864	<0.40	0.40	2304165
Total Organic Carbon	mg/L	5.5	0.20	2300083	7.5	0.20	2300083	6.8	0.20	2300083
Turbidity	NTU	0.66	0.10	2300549	0.60	0.10	2300549	0.77	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.3	1.0	2300281	1.9	1.0	2300281	1.2	1.0	2300281
Bromide (Br-)	mg/L	<0.10	0.10	2300329	<0.10	0.10	2300930	<0.10	0.10	2300329
Chloride (Cl)	mg/L	0.21	0.050	2300329	0.19	0.050	2300930	0.19	0.050	2300329
Total Dissolved Solids	mg/L	35	10	2301339	40	10	2301339	22	10	2301339
Total Solids	mg/L	44	10	2301342	48	10	2301342	44	10	2301342
Total suspended solids (TSS)	mg/L	0.90	0.20	2300655	3.0	2.0	2301229	3.0	2.0	2301229

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3242			KM3243		
Sampling Date		2022/06/03 10:56			2022/06/03 14:30		
COC Number		247451-04-01			247451-04-01		
	Units	BLANC B3	RDL	QC Batch	STATION ST 14	RDL	QC Batch
CONVENTIONALS							
BOD5	mg/L	<2.2	2.2	2300252	<2.4	2.4	2300252
Conductivity	mS/cm	<0.0010	0.0010	2300283	0.021	0.0010	2300283
Dissolved Carbon †	mg/L	0.41	0.20	2300065	8.9	0.20	2300065
Dissolved inorganic carbon †	mg/L	0.41	0.20	2299913	1.9	0.20	2299913
Dissolved organic carbon †	mg/L	<0.20	0.20	2300070	7.0	0.20	2300070
Fluoride (F) †	mg/L	<0.010	0.010	2301711	0.015	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	<0.020	0.020	2300918	<0.020	0.020	2300321
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2300918	<0.020	0.020	2300321
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300918	<0.020	0.020	2300321
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302430	<0.020	0.020	2302465
pH	pH	5.88	N/A	2300276	6.03	N/A	2300276
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2304165	<0.40	0.40	2300900
Total Organic Carbon	mg/L	<0.20	0.20	2300083	6.5	0.20	2300083
Turbidity	NTU	<0.10	0.10	2300523	4.2	0.10	2300549
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	<1.0	1.0	2300281	2.1	1.0	2300281
Bromide (Br-)	mg/L	<0.10	0.10	2300930	<0.10	0.10	2300329
Chloride (Cl)	mg/L	<0.050	0.050	2300930	0.28	0.050	2300329
Total Dissolved Solids	mg/L	<10	10	2301339	51	10	2301339
Total Solids	mg/L	<10	10	2301342	80	10	2301342
Total suspended solids (TSS)	mg/L	<2.0	2.0	2301229	3.0	2.0	2301229

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3244			KM3245			KM3246		
Sampling Date		2022/06/04 11:30			2022/06/01			2022/06/02		
COC Number		247451-04-01			247451-04-01			247451-04-01		
	Units	STATION ST 4	RDL	QC Batch	DUP-1	RDL	QC Batch	DUP-2	RDL	QC Batch
CONVENTIONALS										
BOD5	mg/L	<2.1	2.1	2300252	<2.0	2.0	2300886	<2.1	2.1	2300252
Conductivity	mS/cm	0.0085	0.0010	2300444	0.013	0.0010	2300283	0.0082	0.0010	2300444
Dissolved Carbon †	mg/L	8.7	0.20	2300065	7.4	0.20	2300065	9.0	0.20	2300065
Dissolved inorganic carbon †	mg/L	1.4	0.20	2299913	1.9	0.20	2299913	1.7	0.20	2299913
Dissolved organic carbon †	mg/L	7.3	0.20	2300070	5.4	0.20	2300070	7.3	0.20	2300070
Fluoride (F) †	mg/L	0.012	0.010	2301710	0.014	0.010	2301711	0.012	0.010	2301710
Nitrate (N) and Nitrite(N)	mg/L	<0.020	0.020	2300918	0.038	0.020	2300918	<0.020	0.020	2300918
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2300918	0.038	0.020	2300918	<0.020	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2300918	<0.020	0.020	2300918	<0.020	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2302465	<0.020	0.020	2302298	<0.020	0.020	2302430
pH	pH	5.95	N/A	2300436	6.54	N/A	2300276	5.98	N/A	2300436
Sulfides (S2-)	mg/L	<0.020	0.020	2307113	<0.020	0.020	2307115	<0.020	0.020	2307115
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2300900	<0.40	0.40	2300900	<0.40	0.40	2304165
Total Organic Carbon	mg/L	7.2	0.20	2300083	5.3	0.20	2300083	7.0	0.20	2300083
Turbidity	NTU	0.84	0.10	2300523	0.54	0.10	2300523	0.72	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	1.6	1.0	2300440	4.1	1.0	2300281	1.4	1.0	2300440
Bromide (Br-)	mg/L	<0.10	0.10	2300930	<0.10	0.10	2300930	<0.10	0.10	2300930
Chloride (Cl)	mg/L	0.19	0.050	2300930	0.22	0.050	2300930	0.20	0.050	2300930
Total Dissolved Solids	mg/L	36	10	2301339	24	10	2300275	27	10	2300644
Total Solids	mg/L	64	10	2301342	28	10	2300282	52	10	2300650
Total suspended solids (TSS)	mg/L	3.0	2.0	2301229	0.70	0.20	2300502	7.0	2.0	2300628

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3247	KM3247		
Sampling Date		2022/06/02 13:00	2022/06/02 13:00		
COC Number		247451-04-01	247451-04-01		
	Units	**BLANC B2 LOT 22MA26-A**	**BLANC B2 LOT 22MA26-A Lab-Dup**	**RDL**	**QC Batch**
CONVENTIONALS					
BOD5	mg/L	<2.2	N/A	2.2	2300886
Conductivity	mS/cm	<0.0010	<0.0010	0.0010	2300444
Dissolved Carbon †	mg/L	0.39	N/A	0.20	2300065
Dissolved inorganic carbon †	mg/L	0.39	N/A	0.20	2299913
Dissolved organic carbon †	mg/L	<0.20	N/A	0.20	2300070
Fluoride (F) †	mg/L	<0.010	N/A	0.010	2301710
Nitrate (N) and Nitrite(N)	mg/L	<0.020	N/A	0.020	2300918
Nitrates (N-NO3-)	mg/L	<0.020	N/A	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	N/A	0.020	2304557
pH	pH	5.94	5.83	N/A	2300436
Sulfides (S2-)	mg/L	<0.020	N/A	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	N/A	0.40	2304165
Total Organic Carbon	mg/L	<0.20	N/A	0.20	2300083
Turbidity	NTU	0.18	N/A	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	<1.0	<1.0	1.0	2300440
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2300930
Chloride (Cl)	mg/L	0.052	N/A	0.050	2300930
Total Dissolved Solids	mg/L	<11	N/A	11	2300644
Total Solids	mg/L	<10	N/A	10	2300650
Total suspended solids (TSS)	mg/L	<2.0	N/A	2.0	2300628

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3248		KM3249		
Sampling Date		2022/06/01 15:30		2022/06/01		
COC Number		247451-04-01		247451-04-01		
	Units	BLANC B1 LOT 22MA26-A	QC Batch	BLANC TRANSPORT LOT 22MA26-A	RDL	QC Batch
CONVENTIONALS						
BOD5	mg/L	<2.0	2300886	<2.0	2.0	2300886
Conductivity	mS/cm	<0.0010	2300283	<0.0010	0.0010	2300444
Dissolved Carbon †	mg/L	0.23	2300065	0.26	0.20	2300065
Dissolved inorganic carbon †	mg/L	0.23	2299913	0.26	0.20	2299913
Dissolved organic carbon †	mg/L	<0.20	2300070	<0.20	0.20	2300070
Fluoride (F) †	mg/L	<0.010	2301711	<0.010	0.010	2301711
Nitrate (N) and Nitrite(N)	mg/L	<0.020	2300321	<0.020	0.020	2300918
Nitrates (N-NO3-)	mg/L	<0.020	2300321	<0.020	0.020	2300918
Nitrites (N-NO2-)	mg/L	<0.020	2300321	<0.020	0.020	2300918
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	2302465	<0.020	0.020	2302281
pH	pH	5.96	2300276	5.80	N/A	2300436
Sulfides (S2-)	mg/L	<0.020	2307113	<0.020	0.020	2307113
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	2300900	<0.40	0.40	2300900
Total Organic Carbon	mg/L	<0.20	2300083	<0.20	0.20	2300083
Turbidity	NTU	<0.10	2300523	<0.10	0.10	2300523
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	<1.0	2300281	<1.0	1.0	2300440
Bromide (Br-)	mg/L	<0.10	2300329	<0.10	0.10	2300930
Chloride (Cl)	mg/L	0.051	2300329	0.062	0.050	2300930
Total Dissolved Solids	mg/L	<10	2300275	<10	10	2300275
Total Solids	mg/L	<10	2300282	<10	10	2300282
Total suspended solids (TSS)	mg/L	<2.0	2300494	<2.0	2.0	2300494

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KM3249		
Sampling Date		2022/06/01		
COC Number		247451-04-01		
	Units	BLANC TRANSPORT LOT 22MA26-A Lab-Dup	RDL	QC Batch
CONVENTIONALS				
Dissolved Carbon †	mg/L	0.24	0.20	2300065
Dissolved organic carbon †	mg/L	<0.20	0.20	2300070
Sulfides (S2-)	mg/L	<0.020	0.020	2307113
Total Organic Carbon	mg/L	<0.20	0.20	2300083

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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GENERAL COMMENTS

BOD 5 Days Low Level: Holding time already past upon reception.: KM3162
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3162
Dissolved Carbon: Holding time already past upon reception.: KM3162
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3162
Dissolved Organic Carbon: Holding time already past upon reception.: KM3162
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3162
pH in water: Holding time already past upon reception.: KM3162
Turbidity: Holding time already past upon reception.: KM3162
BOD 5 Days Low Level: Holding time already past upon reception.: KM3163
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3163
Dissolved Carbon: Holding time already past upon reception.: KM3163
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3163
Dissolved Organic Carbon: Holding time already past upon reception.: KM3163
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3163
pH in water: Holding time already past upon reception.: KM3163
Turbidity: Holding time already past upon reception.: KM3163
BOD 5 Days Low Level: Holding time already past upon reception.: KM3164
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3164
Dissolved Carbon: Holding time already past upon reception.: KM3164
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3164
Dissolved Organic Carbon: Holding time already past upon reception.: KM3164
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3164
pH in water: Holding time already past upon reception.: KM3164
Turbidity: Holding time already past upon reception.: KM3164
BOD 5 Days Low Level: Holding time already past upon reception.: KM3165
Dissolved Carbon: Holding time already past upon reception.: KM3165
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3165
Dissolved Organic Carbon: Holding time already past upon reception.: KM3165
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3165
pH in water: Holding time already past upon reception.: KM3165
Turbidity: Holding time already past upon reception.: KM3165
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3165
BOD 5 Days Low Level: Holding time already past upon reception.: KM3166
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3166
Dissolved Carbon: Holding time already past upon reception.: KM3166
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3166
Dissolved Organic Carbon: Holding time already past upon reception.: KM3166
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3166
pH in water: Holding time already past upon reception.: KM3166
Turbidity: Holding time already past upon reception.: KM3166
BOD 5 Days Low Level: Holding time already past upon reception.: KM3167
Dissolved Carbon: Holding time already past upon reception.: KM3167
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3167
Dissolved Organic Carbon: Holding time already past upon reception.: KM3167
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3167
pH in water: Holding time already past upon reception.: KM3167
Turbidity: Holding time already past upon reception.: KM3167
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3167
BOD 5 Days Low Level: Holding time already past upon reception.: KM3168
Dissolved Carbon: Holding time already past upon reception.: KM3168
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3168
Dissolved Organic Carbon: Holding time already past upon reception.: KM3168

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Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3168
pH in water: Holding time already past upon reception.: KM3168
Turbidity: Holding time already past upon reception.: KM3168
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3168
BOD 5 Days Low Level: Holding time already past upon reception.: KM3169
Dissolved Carbon: Holding time already past upon reception.: KM3169
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3169
Dissolved Organic Carbon: Holding time already past upon reception.: KM3169
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3169
pH in water: Holding time already past upon reception.: KM3169
Turbidity: Holding time already past upon reception.: KM3169
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3169
BOD 5 Days Low Level: Holding time already past upon reception.: KM3170
Dissolved Carbon: Holding time already past upon reception.: KM3170
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3170
Dissolved Organic Carbon: Holding time already past upon reception.: KM3170
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3170
pH in water: Holding time already past upon reception.: KM3170
Turbidity: Holding time already past upon reception.: KM3170
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3170
BOD 5 Days Low Level: Holding time already past upon reception.: KM3171
Dissolved Carbon: Holding time already past upon reception.: KM3171
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3171
Dissolved Organic Carbon: Holding time already past upon reception.: KM3171
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3171
pH in water: Holding time already past upon reception.: KM3171
Turbidity: Holding time already past upon reception.: KM3171
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3171
BOD 5 Days Low Level: Holding time already past upon reception.: KM3229
Dissolved Carbon: Holding time already past upon reception.: KM3229
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3229
Dissolved Organic Carbon: Holding time already past upon reception.: KM3229
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3229
pH in water: Holding time already past upon reception.: KM3229
Turbidity: Holding time already past upon reception.: KM3229
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3229
BOD 5 Days Low Level: Holding time already past upon reception.: KM3230
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3230
Dissolved Carbon: Holding time already past upon reception.: KM3230
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3230
Dissolved Organic Carbon: Holding time already past upon reception.: KM3230
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3230
pH in water: Holding time already past upon reception.: KM3230
Turbidity: Holding time already past upon reception.: KM3230
BOD 5 Days Low Level: Holding time already past upon reception.: KM3231
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3231
Dissolved Carbon: Holding time already past upon reception.: KM3231
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3231
Dissolved Organic Carbon: Holding time already past upon reception.: KM3231
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3231
pH in water: Holding time already past upon reception.: KM3231
Turbidity: Holding time already past upon reception.: KM3231
BOD 5 Days Low Level: Holding time already past upon reception.: KM3232
Dissolved Carbon: Holding time already past upon reception.: KM3232
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3232

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Dissolved Organic Carbon: Holding time already past upon reception.: KM3232
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3232
pH in water: Holding time already past upon reception.: KM3232
Turbidity: Holding time already past upon reception.: KM3232
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3232
BOD 5 Days Low Level: Holding time already past upon reception.: KM3233
Dissolved Carbon: Holding time already past upon reception.: KM3233
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3233
Dissolved Organic Carbon: Holding time already past upon reception.: KM3233
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3233
pH in water: Holding time already past upon reception.: KM3233
Turbidity: Holding time already past upon reception.: KM3233
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3233
BOD 5 Days Low Level: Holding time already past upon reception.: KM3234
Dissolved Carbon: Holding time already past upon reception.: KM3234
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3234
Dissolved Organic Carbon: Holding time already past upon reception.: KM3234
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3234
pH in water: Holding time already past upon reception.: KM3234
Turbidity: Holding time already past upon reception.: KM3234
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3234
BOD 5 Days Low Level: Holding time already past upon reception.: KM3235
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3235
Dissolved Carbon: Holding time already past upon reception.: KM3235
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3235
Dissolved Organic Carbon: Holding time already past upon reception.: KM3235
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3235
pH in water: Holding time already past upon reception.: KM3235
Turbidity: Holding time already past upon reception.: KM3235
BOD 5 Days Low Level: Holding time already past upon reception.: KM3241
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3241
Dissolved Carbon: Holding time already past upon reception.: KM3241
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3241
Dissolved Organic Carbon: Holding time already past upon reception.: KM3241
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3241
pH in water: Holding time already past upon reception.: KM3241
Turbidity: Holding time already past upon reception.: KM3241
BOD 5 Days Low Level: Holding time already past upon reception.: KM3242
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3242
Dissolved Carbon: Holding time already past upon reception.: KM3242
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3242
Dissolved Organic Carbon: Holding time already past upon reception.: KM3242
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3242
pH in water: Holding time already past upon reception.: KM3242
Turbidity: Holding time already past upon reception.: KM3242
BOD 5 Days Low Level: Holding time already past upon reception.: KM3243
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3243
Dissolved Carbon: Holding time already past upon reception.: KM3243
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3243
Dissolved Organic Carbon: Holding time already past upon reception.: KM3243
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3243
pH in water: Holding time already past upon reception.: KM3243
Turbidity: Holding time already past upon reception.: KM3243
BOD 5 Days Low Level: Holding time already past upon reception.: KM3244
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3244

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Dissolved Carbon: Holding time already past upon reception.: KM3244
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3244
Dissolved Organic Carbon: Holding time already past upon reception.: KM3244
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3244
pH in water: Holding time already past upon reception.: KM3244
Turbidity: Holding time already past upon reception.: KM3244
BOD 5 Days Low Level: Holding time already past upon reception.: KM3245
Dissolved Carbon: Holding time already past upon reception.: KM3245
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3245
Dissolved Organic Carbon: Holding time already past upon reception.: KM3245
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3245
pH in water: Holding time already past upon reception.: KM3245
Turbidity: Holding time already past upon reception.: KM3245
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3245
BOD 5 Days Low Level: Holding time already past upon reception.: KM3246
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3246
Dissolved Carbon: Holding time already past upon reception.: KM3246
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3246
Dissolved Organic Carbon: Holding time already past upon reception.: KM3246
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3246
pH in water: Holding time already past upon reception.: KM3246
Turbidity: Holding time already past upon reception.: KM3246
BOD 5 Days Low Level: Holding time already past upon reception.: KM3247
Dissolved Carbon: Holding time already past upon reception.: KM3247
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3247
Dissolved Organic Carbon: Holding time already past upon reception.: KM3247
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3247
pH in water: Holding time already past upon reception.: KM3247
Turbidity: Holding time already past upon reception.: KM3247
BOD 5 Days Low Level: Holding time already past upon reception.: KM3248
Dissolved Carbon: Holding time already past upon reception.: KM3248
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3248
Dissolved Organic Carbon: Holding time already past upon reception.: KM3248
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3248
pH in water: Holding time already past upon reception.: KM3248
Turbidity: Holding time already past upon reception.: KM3248
BOD 5 Days Low Level: Holding time already past upon reception.: KM3249
Dissolved Carbon: Holding time already past upon reception.: KM3249
Dissolved Inorganic Carbon: Holding time already past upon reception.: KM3249
Dissolved Organic Carbon: Holding time already past upon reception.: KM3249
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM3249
pH in water: Holding time already past upon reception.: KM3249
Turbidity: Holding time already past upon reception.: KM3249
Radium-226 Low Level: Arrived unpreserved, preserved upon reception at the laboratory.: KM3249

CONVENTIONAL PARAMETERS (SURFACE WATER)

Sulfures: À cause de la nature de l'échantillon, une meilleure limite de détection ne peut être fournie. KM4954

Sulfures: Agent de conservation insuffisant, pH ajusté sur réception au laboratoire. KO1047

Les limites de détections indiquées sont multipliées par les facteurs de dilution utilisés pour l'analyse des échantillons. KO2477, KO2480

Sample KM3163, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3164, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3165, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3166, Total Extractible Trace Metals by ICP-MS: Test repeated.

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Sample KM3167, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3168, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3169, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3170, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3229, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3230, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3231, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3232, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3233, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3235, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3245, Total Extractible Trace Metals by ICP-MS: Test repeated.
Sample KM3247, Total Extractible Trace Metals by ICP-MS: Test repeated.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2300065	BAG	Spiked Blank	Dissolved Carbon	2022/06/08		99	%
2300065	BAG	Method Blank	Dissolved Carbon	2022/06/08	<0.20		mg/L
2300067	BAG	Spiked Blank	Dissolved Carbon	2022/06/08		99	%
2300067	BAG	Method Blank	Dissolved Carbon	2022/06/08	0.24, RDL=0.20		mg/L
2300070	BAG	Spiked Blank	Dissolved organic carbon	2022/06/08		97	%
2300070	BAG	Method Blank	Dissolved organic carbon	2022/06/08	<0.20		mg/L
2300071	BAG	Spiked Blank	Dissolved organic carbon	2022/06/09		93	%
2300071	BAG	Method Blank	Dissolved organic carbon	2022/06/09	<0.20		mg/L
2300079	BAG	Spiked Blank	Total Organic Carbon	2022/06/09		95	%
2300079	BAG	Method Blank	Total Organic Carbon	2022/06/09	<0.20		mg/L
2300083	BAG	Spiked Blank	Total Organic Carbon	2022/06/09		94	%
2300083	BAG	Method Blank	Total Organic Carbon	2022/06/09	<0.20		mg/L
2300252	LKO	Spiked Blank	BOD5	2022/06/13		100	%
2300252	LKO	Spiked Blank DUP	BOD5	2022/06/13		99	%
2300252	LKO	Method Blank	BOD5	2022/06/13	<2.0		mg/L
2300252	LKO	Method Blank DUP	BOD5	2022/06/13	<2.0		mg/L
2300275	ZZH	Spiked Blank	Total Dissolved Solids	2022/06/09		98	%
2300275	ZZH	Method Blank	Total Dissolved Solids	2022/06/09	<10		mg/L
2300276	LI	Spiked Blank	pH	2022/06/08		102	%
2300281	LI	Spiked Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/06/08		103	%
2300281	LI	Method Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/06/08	<1.0		mg/L
2300282	ZZH	Spiked Blank	Total Solids	2022/06/09		92	%
2300282	ZZH	Method Blank	Total Solids	2022/06/09	<10		mg/L
2300283	LI	Spiked Blank	Conductivity	2022/06/08		106	%
2300283	LI	Method Blank	Conductivity	2022/06/08	<0.0010		mS/cm
2300317	VCH	Spiked Blank	Nitrate (N) and Nitrite(N)	2022/06/08		102	%
			Nitrates (N-NO3-)	2022/06/08		105	%
			Nitrites (N-NO2-)	2022/06/08		99	%
2300317	VCH	Method Blank	Nitrate (N) and Nitrite(N)	2022/06/08	<0.020		mg/L
			Nitrates (N-NO3-)	2022/06/08	<0.020		mg/L
			Nitrites (N-NO2-)	2022/06/08	<0.020		mg/L
2300320	VCH	Spiked Blank	Bromide (Br-)	2022/06/08		104	%
			Chloride (Cl)	2022/06/08		100	%
2300320	VCH	Method Blank	Bromide (Br-)	2022/06/08	<0.10		mg/L
			Chloride (Cl)	2022/06/08	<0.050		mg/L
2300321	VCH	Spiked Blank	Nitrate (N) and Nitrite(N)	2022/06/09		102	%
			Nitrates (N-NO3-)	2022/06/09		104	%
			Nitrites (N-NO2-)	2022/06/09		99	%
2300321	VCH	Method Blank	Nitrate (N) and Nitrite(N)	2022/06/09	<0.020		mg/L
			Nitrates (N-NO3-)	2022/06/09	<0.020		mg/L
			Nitrites (N-NO2-)	2022/06/09	<0.020		mg/L
2300329	VCH	Spiked Blank	Bromide (Br-)	2022/06/09		104	%
			Chloride (Cl)	2022/06/09		100	%
2300329	VCH	Method Blank	Bromide (Br-)	2022/06/09	<0.10		mg/L
			Chloride (Cl)	2022/06/09	<0.050		mg/L
2300436	LI	Spiked Blank	pH	2022/06/08		102	%
2300440	LI	Spiked Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/06/08		101	%
2300440	LI	Method Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/06/08	<1.0		mg/L
2300444	LI	Spiked Blank	Conductivity	2022/06/08		102	%
2300444	LI	Method Blank	Conductivity	2022/06/08	<0.0010		mS/cm

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2300494	SAT	Spiked Blank	Total suspended solids (TSS)	2022/06/09		97	%
2300494	SAT	Method Blank	Total suspended solids (TSS)	2022/06/09	<2.0		mg/L
2300502	SAT	Spiked Blank	Total suspended solids (TSS)	2022/06/09		100	%
2300502	SAT	Method Blank	Total suspended solids (TSS)	2022/06/09	<0.20		mg/L
2300523	QKB	Spiked Blank	Turbidity	2022/06/08		101	%
2300523	QKB	Method Blank	Turbidity	2022/06/08	<0.10		NTU
2300549	QKB	Spiked Blank	Turbidity	2022/06/08		100	%
2300549	QKB	Method Blank	Turbidity	2022/06/08	<0.10		NTU
2300628	SAT	Spiked Blank	Total suspended solids (TSS)	2022/06/10		95	%
2300628	SAT	Method Blank	Total suspended solids (TSS)	2022/06/10	<2.0		mg/L
2300644	SAT	Spiked Blank	Total Dissolved Solids	2022/06/13		99	%
2300644	SAT	Method Blank	Total Dissolved Solids	2022/06/13	<10		mg/L
2300650	SAT	Spiked Blank	Total Solids	2022/06/13		96	%
2300650	SAT	Method Blank	Total Solids	2022/06/13	<10		mg/L
2300655	SAT	Spiked Blank	Total suspended solids (TSS)	2022/06/10		100	%
2300655	SAT	Method Blank	Total suspended solids (TSS)	2022/06/10	<0.20		mg/L
2300886	DNA	Spiked Blank	BOD5	2022/06/14		106	%
2300886	DNA	Spiked Blank DUP	BOD5	2022/06/14		108	%
2300886	DNA	Method Blank	BOD5	2022/06/14	<2.0		mg/L
2300886	DNA	Method Blank DUP	BOD5	2022/06/14	<2.0		mg/L
2300900	SKL	Spiked Blank	TKN Total Kjeldahl Nitrogen	2022/06/09		102	%
2300900	SKL	Method Blank	TKN Total Kjeldahl Nitrogen	2022/06/09	<0.40		mg/L
2300918	GXL	Spiked Blank	Nitrate (N) and Nitrite(N)	2022/06/09		100	%
			Nitrates (N-NO3-)	2022/06/09		100	%
			Nitrites (N-NO2-)	2022/06/09		101	%
2300918	GXL	Method Blank	Nitrate (N) and Nitrite(N)	2022/06/09	<0.020		mg/L
			Nitrates (N-NO3-)	2022/06/09	<0.020		mg/L
			Nitrites (N-NO2-)	2022/06/09	<0.020		mg/L
2300930	GXL	Spiked Blank	Bromide (Br-)	2022/06/09		99	%
			Chloride (Cl)	2022/06/09		98	%
2300930	GXL	Method Blank	Bromide (Br-)	2022/06/09	<0.10		mg/L
			Chloride (Cl)	2022/06/09	<0.050		mg/L
2301229	SAT	Spiked Blank	Total suspended solids (TSS)	2022/06/14		96	%
2301229	SAT	Method Blank	Total suspended solids (TSS)	2022/06/14	<2.0		mg/L
2301254	SMO	Spiked Blank	1-Chlorooctadecane	2022/06/13		73	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/13		67	%
2301254	SMO	Spiked Blank DUP	1-Chlorooctadecane	2022/06/13		78	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/13		62	%
2301254	SMO	Method Blank	1-Chlorooctadecane	2022/06/13		64	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/13	<100		ug/L
2301266	AOA	Spiked Blank	1-Chlorooctadecane	2022/06/17		64	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/17		72	%
2301266	AOA	Spiked Blank DUP	1-Chlorooctadecane	2022/06/17		81	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/17		84	%
2301266	AOA	Method Blank	1-Chlorooctadecane	2022/06/17		71	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/17	<100		ug/L
2301339	SAT	Spiked Blank	Total Dissolved Solids	2022/06/14		100	%
2301339	SAT	Method Blank	Total Dissolved Solids	2022/06/14	<10		mg/L
2301342	SAT	Spiked Blank	Total Solids	2022/06/14		96	%
2301342	SAT	Method Blank	Total Solids	2022/06/14	<10		mg/L
2301710	CLO	Spiked Blank	Fluoride (F)	2022/06/12		110	%

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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2301710	CLO	Method Blank	Fluoride (F)	2022/06/12	<0.010		mg/L
2301711	CLO	Spiked Blank	Fluoride (F)	2022/06/12		110	%
2301711	CLO	Method Blank	Fluoride (F)	2022/06/12	<0.010		mg/L
2302281	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		102	%
2302281	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14	<0.020		mg/L
2302293	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		102	%
2302293	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14	<0.020		mg/L
2302298	BAG	QC Standard	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		106	%
2302298	BAG	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		103	%
2302298	BAG	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14	<0.020		mg/L
2302430	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		103	%
2302430	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14	<0.020		mg/L
2302465	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		99	%
2302465	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14	<0.020		mg/L
2302471	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14		103	%
2302471	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/14	<0.020		mg/L
2304165	SKL	Spiked Blank	TKN Total Kjeldahl Nitrogen	2022/06/20		105	%
2304165	SKL	Method Blank	TKN Total Kjeldahl Nitrogen	2022/06/20	<0.40		mg/L
2304557	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/20		103	%
2304557	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/06/20	<0.020		mg/L
2304743	MOE	Spiked Blank	Radium-226	2022/06/17		89	%
2304743	MOE	Method Blank	Radium-226	2022/06/17	<0.005		Bq/L
2304744	MOE	Spiked Blank	Radium-226	2022/06/17		89	%
			Radium-226	2022/06/17		89	%
			Radium-226	2022/06/17		89	%
2304744	MOE	Method Blank	Radium-226	2022/06/18	<0.005		Bq/L
			Radium-226	2022/06/18	<0.005		Bq/L
			Radium-226	2022/06/18	<0.005		Bq/L
2304845	BKI	Spiked Blank	Aluminum (Al)	2022/06/22		94	%
			Antimony (Sb)	2022/06/22		108	%
			Silver (Ag)	2022/06/22		98	%
			Arsenic (As)	2022/06/22		104	%
			Barium (Ba)	2022/06/22		112	%
			Beryllium (Be)	2022/06/22		94	%
			Bismuth (Bi)	2022/06/22		99	%
			Boron (B)	2022/06/22		96	%
			Cadmium (Cd)	2022/06/22		104	%
			Calcium (Ca)	2022/06/22		101	%
			Chromium (Cr)	2022/06/22		98	%
			Cobalt (Co)	2022/06/22		100	%
			Copper (Cu)	2022/06/22		101	%
			Tin (Sn)	2022/06/22		117	%
			Iron (Fe)	2022/06/22		99	%
			Lithium (Li)	2022/06/22		86	%
			Magnesium (Mg)	2022/06/22		92	%
			Manganese (Mn)	2022/06/22		120	%
			Mercury (Hg)	2022/06/22		83	%
			Molybdenum (Mo)	2022/06/22		105	%
			Nickel (Ni)	2022/06/22		100	%
			Lead (Pb)	2022/06/22		129 (1)	%
			Potassium (K)	2022/06/22		102	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Selenium (Se)	2022/06/22		102	%
			Sodium (Na)	2022/06/22		95	%
			Tellurium (Te)	2022/06/22		101	%
			Thallium (Tl)	2022/06/22		100	%
			Titanium (Ti)	2022/06/22		96	%
			Tungsten (W)	2022/06/22		113	%
			Uranium (U)	2022/06/22		97	%
			Vanadium (V)	2022/06/22		101	%
			Zinc (Zn)	2022/06/22		127 (1)	%
2304845	BKI	Method Blank	Aluminum (Al)	2022/06/22	<5.0		ug/L
			Antimony (Sb)	2022/06/22	<0.0050		ug/L
			Silver (Ag)	2022/06/22	<0.0030		ug/L
			Arsenic (As)	2022/06/22	<0.080		ug/L
			Barium (Ba)	2022/06/22	<0.030		ug/L
			Beryllium (Be)	2022/06/22	<0.010		ug/L
			Bismuth (Bi)	2022/06/22	<0.0090		ug/L
			Boron (B)	2022/06/22	<0.30		ug/L
			Cadmium (Cd)	2022/06/22	<0.0060		ug/L
			Calcium (Ca)	2022/06/22	<20		ug/L
			Chromium (Cr)	2022/06/22	<0.040		ug/L
			Cobalt (Co)	2022/06/22	<0.0080		ug/L
			Copper (Cu)	2022/06/22	<0.050		ug/L
			Tin (Sn)	2022/06/22	<0.050		ug/L
			Iron (Fe)	2022/06/22	<0.50		ug/L
			Lithium (Li)	2022/06/22	<0.10		ug/L
			Magnesium (Mg)	2022/06/22	<10		ug/L
			Manganese (Mn)	2022/06/22	<0.030		ug/L
			Mercury (Hg)	2022/06/22	<0.0020		ug/L
			Molybdenum (Mo)	2022/06/22	<0.010		ug/L
			Nickel (Ni)	2022/06/22	<0.12 (2)		ug/L
			Lead (Pb)	2022/06/22	<0.010		ug/L
			Potassium (K)	2022/06/22	<10		ug/L
			Selenium (Se)	2022/06/22	<0.050		ug/L
			Sodium (Na)	2022/06/22	<10		ug/L
			Tellurium (Te)	2022/06/22	<0.0050		ug/L
			Thallium (Tl)	2022/06/22	<0.010		ug/L
			Titanium (Ti)	2022/06/22	<0.40		ug/L
			Tungsten (W)	2022/06/22	<0.040		ug/L
			Uranium (U)	2022/06/22	<0.0010		ug/L
			Vanadium (V)	2022/06/22	<0.050		ug/L
			Zinc (Zn)	2022/06/22	<0.50		ug/L
			Total Hardness (CaCO3)	2022/06/22	<40		ug/L
2304852	BKI	Spiked Blank	Aluminum (Al)	2022/06/30		99	%
			Antimony (Sb)	2022/06/30		102	%
			Silver (Ag)	2022/06/30		101	%
			Arsenic (As)	2022/06/30		111	%
			Barium (Ba)	2022/06/30		107	%
			Beryllium (Be)	2022/06/30		88	%
			Bismuth (Bi)	2022/06/30		99	%
			Boron (B)	2022/06/30		99	%
			Cadmium (Cd)	2022/06/30		104	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Calcium (Ca)	2022/06/30		100	%
			Chromium (Cr)	2022/06/30		105	%
			Cobalt (Co)	2022/06/30		106	%
			Copper (Cu)	2022/06/30		116	%
			Tin (Sn)	2022/06/30		123 (1)	%
			Iron (Fe)	2022/06/30		105	%
			Lithium (Li)	2022/06/30		89	%
			Magnesium (Mg)	2022/06/30		84	%
			Manganese (Mn)	2022/06/30		109	%
			Mercury (Hg)	2022/06/30		83	%
			Molybdenum (Mo)	2022/06/30		102	%
			Nickel (Ni)	2022/06/30		104	%
			Lead (Pb)	2022/06/30		130 (1)	%
			Potassium (K)	2022/06/30		96	%
			Selenium (Se)	2022/06/30		103	%
			Sodium (Na)	2022/06/30		100	%
			Strontium (Sr)	2022/06/30		107	%
			Tellurium (Te)	2022/06/30		94	%
			Thallium (Tl)	2022/06/30		102	%
			Titanium (Ti)	2022/06/30		100	%
			Tungsten (W)	2022/06/30		122 (1)	%
			Uranium (U)	2022/06/30		98	%
			Vanadium (V)	2022/06/30		103	%
2304852	BKI	Method Blank	Aluminum (Al)	2022/06/30	<5.0		ug/L
			Antimony (Sb)	2022/06/30	<0.0050		ug/L
			Silver (Ag)	2022/06/30	<0.0030		ug/L
			Arsenic (As)	2022/06/30	<0.080		ug/L
			Barium (Ba)	2022/06/30	<0.030		ug/L
			Beryllium (Be)	2022/06/30	<0.010		ug/L
			Bismuth (Bi)	2022/06/30	<0.0090		ug/L
			Boron (B)	2022/06/30	<0.30		ug/L
			Cadmium (Cd)	2022/06/30	<0.0060		ug/L
			Calcium (Ca)	2022/06/30	<20		ug/L
			Chromium (Cr)	2022/06/30	<0.040		ug/L
			Cobalt (Co)	2022/06/30	<0.0080		ug/L
			Copper (Cu)	2022/06/30	<0.050		ug/L
			Tin (Sn)	2022/06/30	<0.050		ug/L
			Iron (Fe)	2022/06/30	0.91, RDL=0.50		ug/L
			Lithium (Li)	2022/06/30	<0.10		ug/L
			Magnesium (Mg)	2022/06/30	<10		ug/L
			Manganese (Mn)	2022/06/30	0.077, RDL=0.030		ug/L
			Mercury (Hg)	2022/06/30	<0.0020		ug/L
			Molybdenum (Mo)	2022/06/30	<0.010		ug/L
			Nickel (Ni)	2022/06/30	<0.030		ug/L
			Lead (Pb)	2022/06/30	<0.010		ug/L
			Potassium (K)	2022/06/30	<10		ug/L
			Selenium (Se)	2022/06/30	<0.050		ug/L
			Sodium (Na)	2022/06/30	<10		ug/L
			Strontium (Sr)	2022/06/30	<0.040		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Tellurium (Te)	2022/06/30	<0.0050		ug/L
			Thallium (Tl)	2022/06/30	<0.010		ug/L
			Titanium (Ti)	2022/06/30	<0.40		ug/L
			Tungsten (W)	2022/06/30	<0.040		ug/L
			Uranium (U)	2022/06/30	<0.0010		ug/L
			Vanadium (V)	2022/06/30	<0.050		ug/L
			Total Hardness (CaCO3)	2022/06/30	<40		ug/L
2304858	BKI	Spiked Blank	Aluminum (Al)	2022/07/07		110	%
			Antimony (Sb)	2022/07/07		114	%
			Silver (Ag)	2022/07/07		110	%
			Arsenic (As)	2022/07/07		108	%
			Barium (Ba)	2022/07/07		112	%
			Beryllium (Be)	2022/07/07		107	%
			Bismuth (Bi)	2022/07/07		108	%
			Boron (B)	2022/07/07		107	%
			Cadmium (Cd)	2022/07/07		109	%
			Calcium (Ca)	2022/07/07		106	%
			Chromium (Cr)	2022/07/07		91	%
			Cobalt (Co)	2022/07/07		105	%
			Copper (Cu)	2022/07/07		109	%
			Tin (Sn)	2022/07/07		124 (1)	%
			Iron (Fe)	2022/07/07		105	%
			Lithium (Li)	2022/07/07		117	%
			Magnesium (Mg)	2022/07/07		106	%
			Manganese (Mn)	2022/07/07		112	%
			Mercury (Hg)	2022/07/07		137 (1)	%
			Molybdenum (Mo)	2022/07/07		109	%
			Nickel (Ni)	2022/07/07		108	%
			Lead (Pb)	2022/07/07		* (3)	%
			Potassium (K)	2022/07/07		109	%
			Selenium (Se)	2022/07/07		100	%
			Sodium (Na)	2022/07/07		105	%
			Strontium (Sr)	2022/07/07		107	%
			Tellurium (Te)	2022/07/07		104	%
			Thallium (Tl)	2022/07/07		107	%
			Titanium (Ti)	2022/07/07		109	%
			Tungsten (W)	2022/07/07		120	%
			Uranium (U)	2022/07/07		107	%
			Vanadium (V)	2022/07/07		104	%
			Zinc (Zn)	2022/07/07		126 (1)	%
2304858	BKI	Method Blank	Aluminum (Al)	2022/07/07	<5.0		ug/L
			Antimony (Sb)	2022/07/07	<0.0050		ug/L
			Silver (Ag)	2022/07/07	<0.0030		ug/L
			Arsenic (As)	2022/07/07	<0.080		ug/L
			Barium (Ba)	2022/07/07	<0.030		ug/L
			Beryllium (Be)	2022/07/07	<0.010		ug/L
			Bismuth (Bi)	2022/07/07	<0.0090		ug/L
			Boron (B)	2022/07/07	<0.30		ug/L
			Cadmium (Cd)	2022/07/07	<0.0060		ug/L
			Calcium (Ca)	2022/07/07	<60 (2)		ug/L
			Chromium (Cr)	2022/07/07	<0.040		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Cobalt (Co)	2022/07/07	<0.0080		ug/L
			Copper (Cu)	2022/07/07	0.051, RDL=0.050		ug/L
			Tin (Sn)	2022/07/07	<0.050		ug/L
			Iron (Fe)	2022/07/07	<3.0 (2)		ug/L
			Lithium (Li)	2022/07/07	<0.10		ug/L
			Magnesium (Mg)	2022/07/07	<10		ug/L
			Manganese (Mn)	2022/07/07	<0.080 (2)		ug/L
			Mercury (Hg)	2022/07/07	<0.0030 (2)		ug/L
			Molybdenum (Mo)	2022/07/07	<0.010		ug/L
			Nickel (Ni)	2022/07/07	<0.030		ug/L
			Lead (Pb)	2022/07/07	<0.010		ug/L
			Potassium (K)	2022/07/07	<10		ug/L
			Selenium (Se)	2022/07/07	<0.050		ug/L
			Sodium (Na)	2022/07/07	<10		ug/L
			Strontium (Sr)	2022/07/07	<0.30 (2)		ug/L
			Tellurium (Te)	2022/07/07	<0.0050		ug/L
			Thallium (Tl)	2022/07/07	<0.010		ug/L
			Titanium (Ti)	2022/07/07	<0.40		ug/L
			Tungsten (W)	2022/07/07	<0.040		ug/L
			Uranium (U)	2022/07/07	<0.0010		ug/L
			Vanadium (V)	2022/07/07	<0.050		ug/L
			Zinc (Zn)	2022/07/07	<1.4 (2)		ug/L
			Total Hardness (CaCO3)	2022/07/07	<150		ug/L
2304864	SKL	Spiked Blank	TKN Total Kjeldahl Nitrogen	2022/06/22		105	%
2304864	SKL	Method Blank	TKN Total Kjeldahl Nitrogen	2022/06/22	<0.40		mg/L
2304876	BKI	Spiked Blank	Cerium (Ce)	2022/06/23		120	%
			Cesium (Cs)	2022/06/23		102	%
			Dysprosium (Dy)	2022/06/23		99	%
			Erbium (Er)	2022/06/23		99	%
			Europium (Eu)	2022/06/23		99	%
			Gadolinium (Gd)	2022/06/23		100	%
			Holmium (Ho)	2022/06/23		99	%
			Gallium (Ga)	2022/06/23		106	%
			Lanthanum (La)	2022/06/23		103	%
			Lutetium (Lu)	2022/06/23		100	%
			Neodymium (Nd)	2022/06/23		102	%
			Praseodymium (Pr)	2022/06/23		102	%
			Rhenium (Re)	2022/06/23		105	%
			Rhodium (Rh)	2022/06/23		104	%
			Rubidium (Rb)	2022/06/23		108	%
			Samarium (Sm)	2022/06/23		101	%
			Scandium (Sc)	2022/06/23		105	%
			Terbium (Tb)	2022/06/23		98	%
			Thorium (Th)	2022/06/23		89	%
			Thulium (Tm)	2022/06/23		100	%
			Ytterbium (Yb)	2022/06/23		101	%
			Yttrium (Y)	2022/06/23		106	%
2304876	BKI	Method Blank	Cerium (Ce)	2022/06/23	<0.040		ug/L
			Cesium (Cs)	2022/06/23	<0.020		ug/L
			Dysprosium (Dy)	2022/06/23	<0.040		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Erbium (Er)	2022/06/23	<0.020		ug/L
			Europium (Eu)	2022/06/23	<0.020		ug/L
			Gadolinium (Gd)	2022/06/23	<0.040		ug/L
			Holmium (Ho)	2022/06/23	<0.015		ug/L
			Gallium (Ga)	2022/06/23	<0.040		ug/L
			Lanthanum (La)	2022/06/23	<0.020		ug/L
			Lutetium (Lu)	2022/06/23	<0.016		ug/L
			Neodymium (Nd)	2022/06/23	<0.040		ug/L
			Praseodymium (Pr)	2022/06/23	<0.010		ug/L
			Rhenium (Re)	2022/06/23	<0.040		ug/L
			Rhodium (Rh)	2022/06/23	<0.020		ug/L
			Rubidium (Rb)	2022/06/23	<0.020		ug/L
			Samarium (Sm)	2022/06/23	<0.030		ug/L
			Scandium (Sc)	2022/06/23	<0.020		ug/L
			Terbium (Tb)	2022/06/23	<0.010		ug/L
			Thorium (Th)	2022/06/23	<0.015		ug/L
			Thulium (Tm)	2022/06/23	<0.016		ug/L
			Ytterbium (Yb)	2022/06/23	<0.070		ug/L
			Yttrium (Y)	2022/06/23	<0.020		ug/L
2304882	BKI	Spiked Blank	Cerium (Ce)	2022/06/23		109	%
			Cesium (Cs)	2022/06/23		107	%
			Dysprosium (Dy)	2022/06/23		107	%
			Erbium (Er)	2022/06/23		108	%
			Europium (Eu)	2022/06/23		107	%
			Gadolinium (Gd)	2022/06/23		108	%
			Holmium (Ho)	2022/06/23		107	%
			Gallium (Ga)	2022/06/23		107	%
			Lanthanum (La)	2022/06/23		108	%
			Lutetium (Lu)	2022/06/23		110	%
			Neodymium (Nd)	2022/06/23		109	%
			Praseodymium (Pr)	2022/06/23		107	%
			Rhenium (Re)	2022/06/23		109	%
			Rhodium (Rh)	2022/06/23		110	%
			Rubidium (Rb)	2022/06/23		102	%
			Samarium (Sm)	2022/06/23		109	%
			Scandium (Sc)	2022/06/23		102	%
			Terbium (Tb)	2022/06/23		106	%
			Thorium (Th)	2022/06/23		99	%
			Thulium (Tm)	2022/06/23		108	%
			Ytterbium (Yb)	2022/06/23		107	%
			Yttrium (Y)	2022/06/23		108	%
2304882	BKI	Method Blank	Cerium (Ce)	2022/06/23	<0.040		ug/L
			Cesium (Cs)	2022/06/23	<0.020		ug/L
			Dysprosium (Dy)	2022/06/23	<0.040		ug/L
			Erbium (Er)	2022/06/23	<0.020		ug/L
			Europium (Eu)	2022/06/23	<0.020		ug/L
			Gadolinium (Gd)	2022/06/23	<0.040		ug/L
			Holmium (Ho)	2022/06/23	<0.015		ug/L
			Gallium (Ga)	2022/06/23	<0.040		ug/L
			Lanthanum (La)	2022/06/23	<0.020		ug/L
			Lutetium (Lu)	2022/06/23	<0.016		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Neodymium (Nd)	2022/06/23	<0.040		ug/L
			Praseodymium (Pr)	2022/06/23	<0.010		ug/L
			Rhenium (Re)	2022/06/23	<0.040		ug/L
			Rhodium (Rh)	2022/06/23	<0.020		ug/L
			Rubidium (Rb)	2022/06/23	<0.020		ug/L
			Samarium (Sm)	2022/06/23	<0.030		ug/L
			Scandium (Sc)	2022/06/23	<0.020		ug/L
			Terbium (Tb)	2022/06/23	<0.010		ug/L
			Thorium (Th)	2022/06/23	<0.015		ug/L
			Thulium (Tm)	2022/06/23	<0.016		ug/L
			Ytterbium (Yb)	2022/06/23	<0.070		ug/L
			Yttrium (Y)	2022/06/23	<0.020		ug/L
2304883	BKI	Spiked Blank	Cerium (Ce)	2022/06/23		105	%
			Cesium (Cs)	2022/06/23		105	%
			Dysprosium (Dy)	2022/06/23		102	%
			Erbium (Er)	2022/06/23		103	%
			Europium (Eu)	2022/06/23		102	%
			Gadolinium (Gd)	2022/06/23		103	%
			Holmium (Ho)	2022/06/23		103	%
			Gallium (Ga)	2022/06/23		108	%
			Lanthanum (La)	2022/06/23		105	%
			Lutetium (Lu)	2022/06/23		104	%
			Neodymium (Nd)	2022/06/23		104	%
			Praseodymium (Pr)	2022/06/23		104	%
			Rhenium (Re)	2022/06/23		107	%
			Rhodium (Rh)	2022/06/23		106	%
			Rubidium (Rb)	2022/06/23		108	%
			Samarium (Sm)	2022/06/23		103	%
			Scandium (Sc)	2022/06/23		103	%
			Terbium (Tb)	2022/06/23		102	%
			Thorium (Th)	2022/06/23		93	%
			Thulium (Tm)	2022/06/23		102	%
			Ytterbium (Yb)	2022/06/23		103	%
			Yttrium (Y)	2022/06/23		108	%
2304883	BKI	Method Blank	Cerium (Ce)	2022/06/23	<0.040		ug/L
			Cesium (Cs)	2022/06/23	<0.020		ug/L
			Dysprosium (Dy)	2022/06/23	<0.040		ug/L
			Erbium (Er)	2022/06/23	<0.020		ug/L
			Europium (Eu)	2022/06/23	<0.020		ug/L
			Gadolinium (Gd)	2022/06/23	<0.040		ug/L
			Holmium (Ho)	2022/06/23	<0.015		ug/L
			Gallium (Ga)	2022/06/23	<0.040		ug/L
			Lanthanum (La)	2022/06/23	<0.020		ug/L
			Lutetium (Lu)	2022/06/23	<0.016		ug/L
			Neodymium (Nd)	2022/06/23	<0.040		ug/L
			Praseodymium (Pr)	2022/06/23	<0.010		ug/L
			Rhenium (Re)	2022/06/23	<0.040		ug/L
			Rhodium (Rh)	2022/06/23	<0.020		ug/L
			Rubidium (Rb)	2022/06/23	<0.020		ug/L
			Samarium (Sm)	2022/06/23	<0.030		ug/L
			Scandium (Sc)	2022/06/23	<0.020		ug/L

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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Terbium (Tb)	2022/06/23	<0.010		ug/L
			Thorium (Th)	2022/06/23	<0.015		ug/L
			Thulium (Tm)	2022/06/23	<0.016		ug/L
			Ytterbium (Yb)	2022/06/23	<0.070		ug/L
			Yttrium (Y)	2022/06/23	<0.020		ug/L
2307113	ESW	Spiked Blank	Sulfides (S2-)	2022/06/29		107	%
2307113	ESW	Method Blank	Sulfides (S2-)	2022/06/29	<0.020		mg/L
2307115	ESW	Spiked Blank	Sulfides (S2-)	2022/06/29		108	%
2307115	ESW	Method Blank	Sulfides (S2-)	2022/06/29	<0.020		mg/L
2310151	BKI	Spiked Blank	Strontium (Sr)	2022/07/09		109	%
			Zinc (Zn)	2022/07/09		104	%
2310151	BKI	Method Blank	Strontium (Sr)	2022/07/09	<0.040		ug/L
			Zinc (Zn)	2022/07/09	<0.62 (2)		ug/L
2310156	BKI	Spiked Blank	Strontium (Sr)	2022/07/09		108	%
			Zinc (Zn)	2022/07/09		97	%
2310156	BKI	Method Blank	Strontium (Sr)	2022/07/09	<0.040		ug/L
			Zinc (Zn)	2022/07/09	<0.60 (2)		ug/L

RDL = Reportable Detection Limit

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

(1) Recovery or relative percent difference (RPD) for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria

(2) The detection limit was raised due to instrumentation.

(3) *: Recovery of this parameter is unavailable in the fortified blank.

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VALIDATION SIGNATURE PAGE

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The analytical data and all QC contained in this report were reviewed and validated by:

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Demande 1/3

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 247451
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#247451-01-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions: Bouteilles métaux dissous remplies en « back-up » si besoin d'eau supplémentaire.

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Analysis Requested: Chlorophyle	Analysis Requested: Phosphore trace CEAEQ	# of Bottles	Comments
1		ST-1	2022-06-03	15:30	EAU SURFACE	N	N	X		X	17	COD filtré
2		ST-2	2022-06-03	13:20	EAU SURFACE	N	N	X		X	17	COD filtré
3		ST-3	2022-06-03	11:00	EAU SURFACE	N	N	X		X	17	COD filtré
4		ST-5	2022-06-02	15:30	EAU SURFACE	N	N	X	X	X	20	COD filtré
5		ST-6	2022-06-02	14:50	EAU SURFACE	N	N	X		X	17	COD filtré
6		ST-7A Surf	2022-06-01	15:25	EAU SURFACE	N	N	X	X	X	20	COD filtré
7		ST-7A Fond	2022-06-01	16:00	EAU SURFACE	N	N	X	X	X	20	COD filtré, fiole d'un tube métaux traces
8		ST-7B Surf	2022-06-02	8:06	EAU SURFACE	N	N	X	X	X	20	COD filtré (Fiole d'un tube de métaux traces)
9		ST-7B Fond	2022-06-02	8:25	EAU SURFACE	N	N	X	X	X	20	COD filtré
10		ST-8 Surf	2022-06-01	13:00	EAU SURFACE	N	N	X	X	X	20	COD filtré

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
RACHEL HUSSHERR	22/06/04	13:00	HADA Haffar	2022/06/06	15:30		☐		☐ Yes ☑ No

* UNLES... AVAILA...
* IT IS TH... ...TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE ... ...OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

C226413_COC

07-Jun-22 11:38
Madison Tremblay
C226413
HH1

Dwer re yes. WT 726.

Demande 2/3

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 247451
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#247451-02-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	EAU SURFACE sans chlorophylle - Projet 22-0186	Chlorophyle	Phosphore trace (CEAEQ)							# of Bottles	Comments
1		ST-8 Fond	2022/06/01	13:30	EAU SURFACE	N	N	X	X	X							20	COD filtré
2		ST-9	2022/06/02	13:16	EAU SURFACE	N	N	X		X							17	COD filtré
3		ST-10	2022/06/01	12:10	EAU SURFACE	N	N	X		X							17	COD filtré
4		ST-11 Surface	2022/06/02	10:52	EAU SURFACE	N	N	X	X	X							20	COD filtré
5		ST-11 Fond	2022/06/02	11:15	EAU SURFACE	N	N	X	X	X							20	COD filtré
6		ST-12	2022/06/02	9:50	EAU SURFACE	N	N	X	X	X							20	COD filtré
7		ST-13	2022/06/03	16:50	EAU SURFACE	N	N	X		X							17	COD filtré
8		~~Fantôme-1~~						~~X~~										
9		~~DUP-1~~						~~X~~										
10		~~Fantôme-2~~						~~X~~										

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐

(will be applied if Rush TAT is not specified)

Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐

Date Required: _____ Time Required: _____

Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel (514) 448-9001 Toll-free (877) 462-9926 x Fax (514) 448-9199 www.bvna.com

Demande 3/3

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 247451
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186		
Phone	Fax:	Phone	Fax:	Project Name		Chain Of Custody Record	Project Manager
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #		C#247451-04-01	Madison Tremblay
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Blancs pour phosphore trace n'ont pas été fournis dans l'envoi du laboratoire

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Chlorophyle	Phosphore trace (CEAEQ)	# of Bottles	Comments
1		Dup - 3	2022-06-03		EAU SURFACE	N	N	X	X	X	17	Pas de Chl a
2		Blanc B3	2022-06-03	10:56	EAU SURFACE	N	N	X	X		12	Pas de blanc pour phosphore / Pas de Chl a
3		Station St 14	2022-06-03	14:30	EAU SURFACE	N	N	X	X	X	17	Pas de Chl a
4		Station St 4	2022-06-04	11:30	EAU SURFACE	N	N	X	X	X	14	Pas de Chla, Pas de phosphore COD Filtré
5		DUP - 1	2022-06-01	"	EAU SURFACE	N	N	X	X	X	20	COD filtré
6		DUP - 2	2022-06-02		EAU SURFACE	N	N	X	X	X	17	Pas de Chl a, COD filtré
7		Blanc ~~B3~~ B2	2022-06-02	13:00	EAU SURFACE	N	N	X	X		13	Pas de blanc pour phosphore
8		Blanc B1	2022-06-01	15:30	EAU SURFACE	N	N	X	X		13	Pas de blanc pour phosphore
9		Blanc Transport			EAU SURFACE	N	N	X	X		14	Pas de blanc pour phosphore
10									X			

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
							☐		☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282574

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246406
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
- Les critères présentés sur ce certificat, le cas échéant, ainsi que la comparaison des résultats d'analyses à ceux-ci est à titre indicatif seulement. De plus, les critères ABC se réfèrent aux critères du secteur Basses-Terres du Saint-Laurent, à moins d'avis contraire.
- Eurofins EnvironeX détient toutes les accréditations requises pour l'analyse des paramètres présentés sur ce certificat, à moins d'avis contraire.

Légende :

LR : Limite rapportée
MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

Ce certificat ne peut pas être reproduit, sinon en entier, sans l'autorisation écrite du laboratoire.
Cette version remplace et annule toute version précédente. Résultats applicables qu'aux échantillons soumis à l'analyse.

2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246406**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-02						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3165-ST-5						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	1.5						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil
2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246406**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282576

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246408
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
- Les critères présentés sur ce certificat, le cas échéant, ainsi que la comparaison des résultats d'analyses à ceux-ci est à titre indicatif seulement. De plus, les critères ABC se réfèrent aux critères du secteur Basses-Terres du Saint-Laurent, à moins d'avis contraire.
- Eurofins EnvironeX détient toutes les accréditations requises pour l'analyse des paramètres présentés sur ce certificat, à moins d'avis contraire.

Légende :

LR : Limite rapportée
MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246408**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3168-ST-7 A-FOND						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.7						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246408**					

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Cette version remplace et annule toute version précédente. Résultats applicables qu'aux échantillons soumis à l'analyse.

2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282575

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246407
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
- Les critères présentés sur ce certificat, le cas échéant, ainsi que la comparaison des résultats d'analyses à ceux-ci est à titre indicatif seulement. De plus, les critères ABC se réfèrent aux critères du secteur Basses-Terres du Saint-Laurent, à moins d'avis contraire.
- Eurofins EnvironeX détient toutes les accréditations requises pour l'analyse des paramètres présentés sur ce certificat, à moins d'avis contraire.

Légende :

LR : Limite rapportée
MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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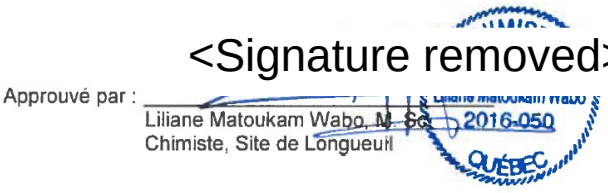
2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246407**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3167-ST-7 A-SURF						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.8						



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Cette version remplace et annule toute version précédente. Résultats applicables qu'aux échantillons soumis à l'analyse.

2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246407**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282578

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246410
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
- Les critères présentés sur ce certificat, le cas échéant, ainsi que la comparaison des résultats d'analyses à ceux-ci est à titre indicatif seulement. De plus, les critères ABC se réfèrent aux critères du secteur Basses-Terres du Saint-Laurent, à moins d'avis contraire.
- Eurofins EnvironeX détient toutes les accréditations requises pour l'analyse des paramètres présentés sur ce certificat, à moins d'avis contraire.

Légende :

LR : Limite rapportée
MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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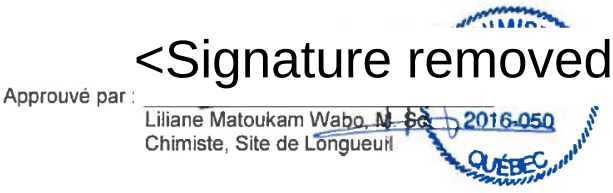
2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246410**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-02						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3170-ST 7B Fond						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	1.1						



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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246410**					

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CERTIFICAT D'ANALYSES OFFICIEL : 3282577

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246409
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
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Légende :

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MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246409**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-02						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3169-ST 7B surf						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	1.2						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050
QUÉBEC

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CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246409**					

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CERTIFICAT D'ANALYSES OFFICIEL : 3282579

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246411
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
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MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
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CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246411**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3171-ST 8 Surf						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.7						

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CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246411**					

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CERTIFICAT D'ANALYSES OFFICIEL : 3282580

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246412
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
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Légende :

LR : Limite rapportée
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Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246412**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3229-ST 8 Fond						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.6						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil
2016-050
QUÉBEC

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CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246412**					

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CERTIFICAT D'ANALYSES OFFICIEL : 3282587

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246419
Conforme

Notes :

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TNC : Colonies trop nombreuses pour être comptées
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[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246419**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3249 Blanc Trans. Lot 22MA26-A						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	<0.1						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050 QUÉBEC

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CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246419**					

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CERTIFICAT D'ANALYSES OFFICIEL : 3282582

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246414
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
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MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246414**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-02						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3233-ST 11 Fond						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.4						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil
2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246414**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282583

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246415
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
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[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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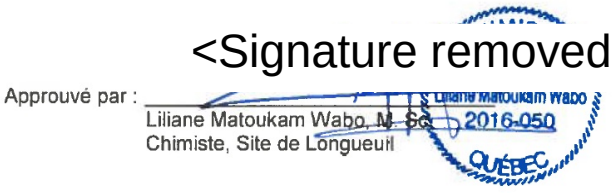
CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246415**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-03						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3234-ST 12						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.7						



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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246415**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282589

DEMANDE D'ANALYSE : 100166044

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
500-1919, Minnesota CRT
Mississauga, Ontario
L5N 0C9
Attention : Stephane Gagnon

Date de réception :	2022-06-09
Projet :	C226912
Nom du préleveur :	client
Bon de commande :	C226912

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6247185
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
- Les critères présentés sur ce certificat, le cas échéant, ainsi que la comparaison des résultats d'analyses à ceux-ci est à titre indicatif seulement. De plus, les critères ABC se réfèrent aux critères du secteur Basses-Terres du Saint-Laurent, à moins d'avis contraire.
- Eurofins EnvironeX détient toutes les accréditations requises pour l'analyse des paramètres présentés sur ce certificat, à moins d'avis contraire.

Légende :

LR : Limite rapportée
MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6247185**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-08						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		Riviere Chicoutimi						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.6						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6247185**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282585

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246417
Conforme

Notes :

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Légende :

LR : Limite rapportée
MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246417**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-02						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3247 B2						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	<0.1						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246417**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282584

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246416
Conforme

Notes :

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- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
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Légende :

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MR : Matériaux de référence
N/A : Non applicable
PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246416**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3245-dup 1						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.8						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246416**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282586

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246418
Conforme

Notes :

- Ce certificat d'analyse est la seule référence valide et les résultats présentés ont préséance en cas de différence avec tous les autres documents transm
- Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.
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Légende :

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MR : Matériaux de référence
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PNA : Paramètre non accrédité
TNI : Colonies trop nombreuses pour être identifiées
TNC : Colonies trop nombreuses pour être comptées
Méthode Interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

[1] Analyse réalisée par EnvironeX Québec
[2] Analyse réalisée par EnvironeX Longueuil
[3] Résultats en annexe
*

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246418**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-01						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3248 Blanc B1						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	<0.1						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246418**					

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL : 3282581

DEMANDE D'ANALYSE : 100165993

Date d'émission du certificat : 2022-06-17

Bureau veritas (Ville Saint-Laurent)
,
Attention : Madison Tremblay

Date de réception :	2022-06-08
Projet :	C226413
Nom du préleveur :	Le client
Bon de commande :	C226413

Analyses	Quantité	Méthode de référence	Méthode interne
Chlorophylle A	1		ILCE-071

État des échantillons à la réception :

6246413
Conforme

Notes :

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[3] Résultats en annexe
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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - RÉSULTATS

No échantillon :		**6246413**						
Nature :		Eau de surface						
Date de prélèvement :		2022-06-02						
Date d'analyse :		2022-06-16						
Identification de l'échantillon :		KM3232-ST Surface						
Chlorophylle A	**Unité**							
Chlorophylle A	µg/l	0.7						

<Signature removed>

Approuvé par :
Liliane Matoukam Wabo, M. Sc.
Chimiste, Site de Longueuil

2016-050 QUÉBEC

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001

CERTIFICAT D'ANALYSES OFFICIEL - CONTRÔLE QUALITÉ

Paramètre	Unité	Blanc	LR	MR obtenu %	MR écart acceptable %
Chlorophylle A	µg/l	<0.1	0.1		
Échantillons associés : **6246413**					

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Environnement et Lutte contre les changements climatiques
Québec

Direction de l'analyse chimique
850 boul. Vanier
Laval (Québec) H7C 2M7
Tél.: 450 664-1750
Fax: 450 661-8512

Certificat d'analyse

Client: Bureau Veritas Canada (2019) Inc.- Montréal
889, Montée de Liesse
Saint-Laurent (Québec) H4T 1P5

Nom de projet: Maxxam Analytique inc. (MTL)
Responsable: SoustraitanceQue-YUL
Téléphone: 514-448-9001
Code projet client:

Date de réception: 9 juin 2022
Numéro de dossier: L059516
Bon de commande: C226413
Code projet CEAEQ: 1199

Numéro de l'échantillon : L059516-01

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3162
Description de prélèvement: ST-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,59	mg/l	0,15

Remarque(s)

Niveau: Mesurandes

No Éch.:L059516-01 **Paramètre:** Anions **Mesurande:** Sulfates
Remarque
L059516-01 à -26 : Analyses effectuées après le délai de 28 jours.

Numéro de l'échantillon : L059516-02

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3163
Description de prélèvement: ST-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,68	mg/l	0,15

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Version 1 (1361530)

Certificat d'analyse (suite de l'échantillon numéro : L059516-03)

Numéro de l'échantillon : L059516-03

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3164
Description de prélèvement: ST-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	28,4	mg/l	0,15

Numéro de l'échantillon : L059516-04

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3165
Description de prélèvement: ST-5
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,78	mg/l	0,15

Numéro de l'échantillon : L059516-05

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3166
Description de prélèvement: ST-6
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,90	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059516-06)

Numéro de l'échantillon : L059516-06

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3167
Description de prélèvement: ST-7A SURF
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,65	mg/l	0,15

Numéro de l'échantillon : L059516-07

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3168
Description de prélèvement: ST-7A FOND
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,66	mg/l	0,15

Numéro de l'échantillon : L059516-08

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3169
Description de prélèvement: ST-7B SURF
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,64	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059516-09)

Numéro de l'échantillon : L059516-09

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3170
Description de prélèvement: ST-7B FOND
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,65	mg/l	0,15

Numéro de l'échantillon : L059516-10

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3171
Description de prélèvement: ST-8 SURF
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,66	mg/l	0,15

Numéro de l'échantillon : L059516-11

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3229
Description de prélèvement: ST-8 FOND
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,66	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059516-12)

Numéro de l'échantillon : L059516-12

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3230
Description de prélèvement: ST-9
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,66	mg/l	0,15

Numéro de l'échantillon : L059516-13

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3231
Description de prélèvement: ST-10
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,64	mg/l	0,15

Numéro de l'échantillon : L059516-14

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3232
Description de prélèvement: ST-11 SURFACE
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,68	mg/l	0,15

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Version 1 (1361530)

Certificat d'analyse (suite de l'échantillon numéro : L059516-15)

Numéro de l'échantillon : L059516-15

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3233
Description de prélèvement: ST-11 FOND
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,71	mg/l	0,15

Numéro de l'échantillon : L059516-16

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3234
Description de prélèvement: ST-12
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,70	mg/l	0,15

Numéro de l'échantillon : L059516-17

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3235
Description de prélèvement: ST-13
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 14 juillet 2022			
Sulfates	0,37	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059516-18)

Numéro de l'échantillon : L059516-18

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3241
Description de prélèvement: DUP-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,66	mg/l	0,15

Numéro de l'échantillon : L059516-19

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3242
Description de prélèvement: BLANC B3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L059516-20

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM3243
Description de prélèvement: STATION ST 14
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	5,03	mg/l	0,15

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Version 1 (1361530)

Certificat d'analyse (suite de l'échantillon numéro : L059516-21)

Numéro de l'échantillon : L059516-21

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM3244
Description de prélèvement: STATION ST 4
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,63	mg/l	0,15

Numéro de l'échantillon : L059516-22

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3245
Description de prélèvement: DUP-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,65	mg/l	0,15

Numéro de l'échantillon : L059516-23

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3246
Description de prélèvement: DUP-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	0,64	mg/l	0,15

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Version 1 (1361530)

Certificat d'analyse (suite de l'échantillon numéro : L059516-24)

Numéro de l'échantillon : L059516-24

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM3247
Description de prélèvement: BLANC B2 LOT 22MA26-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L059516-25

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3248
Description de prélèvement: BLANC B1 LOT 22MA26-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L059516-26

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM3249
Description de prélèvement: BLANC TRANSPORT LOT 22MA26-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 14 juillet 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Les résultats ne se rapportent qu'à l'échantillon soumis à l'analyse.

J'atteste avoir formellement constaté ces faits

***Certificat approuvé le* 26 juillet 2022**

<Signature removed>

Joleine Salomon, chimiste
Contaminants inorganiques, Laval

Légende:
ABS: Absence
DNQ: Résultat entre la LDM et la LQM
INT: Interférences - Analyse impossible
ND: Non détecté
ST: Sous-traitance
PR: Présence
RNF: Résultat non disponible
NDR: Détecté - Mais ne satisfait pas le rapport isotopique
TNI: Colonies trop nombreuses pour être identifiées
VR: Voir remarque

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Version 1 (1361530)

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eau de surface

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Your C.O.C. #: 247451-01-01, 247451-02-01, 247451-04-01

Report Date: 2022/07/05
Report #: R2768857
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226735
Received: 2022/06/06, 15:30

Sample Matrix: Surface Water
Samples Received: 63

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Trace Level Total Phosphorus (CEAEQ) (1)	63	N/A	N/A		

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
Note: RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by CEAEQ-Quebec,

Note: All parameters included in the present certificate are accredited by the MELCC unless stated otherwise.

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eau de surface

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Your C.O.C. #: 247451-01-01, 247451-02-01, 247451-04-01

Report Date: 2022/07/05
Report #: R2768857
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226735
Received: 2022/06/06, 15:30

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Madison Tremblay, Project Manager
Email: madison.tremblay@bureauveritas.com
Phone# (418)658-5784 Ext:7066426
==========
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.
For Service Group specific validation please refer to the Validation Signature Page.

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

GENERAL COMMENTS

Results relate only to the items tested.

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Demande 1/3

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 247451
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#247451-01-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Bouteilles métaux dissous Remplies en « back-up » si besoin d'eau supplémentaire.

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Analysis Requested: Chlorophyle	Analysis Requested: Phosphore trace CEAEQ	# of Bottles	Comments
1		ST-1	2022-06-03	15:30	EAU SURFACE	N	N	X		X	17	COD filtré
2		ST-2	2022-06-03	13:20	EAU SURFACE	N	N	X		X	17	COD filtré
3		ST-3	2022-06-03	11:00	EAU SURFACE	N	N	X		X	17	COD filtré
4		ST-5	2022-06-02	15:30	EAU SURFACE	N	N	X	X	X	20	COD filtré
5		ST-6	2022-06-02	14:50	EAU SURFACE	N	N	X		X	17	COD filtré
6		ST-7A Surf	2022-06-01	15:25	EAU SURFACE	N	N	X	X	X	20	COD filtré
7		ST-7A Fond	2022-06-01	16:00	EAU SURFACE	N	N	X	X	X	20	COD filtré, fuite d'un tube métaux traces
8		ST-7B Surf	2022-06-02	8:06	EAU SURFACE	N	N	X	X	X	20	COD filtré (Fuite d'un tube de métaux traces)
9		ST-7B Fond	2022-06-02	8:25	EAU SURFACE	N	N	X	X	X	20	COD filtré
10		ST-8 Surf	2022-06-01	13:00	EAU SURFACE	N	N	X	X	X	20	COD filtré

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
RACHEL HUSSHERR	22/06/04	13:00	HADA Hadda	2022/06/06	15:30	

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☑ No

* UNL... AVA... IT IS... TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE ... OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

C226735_COC

06-Jun-22 15:30
Madison Tremblay
C226735
HH1

Bureau Veritas Canada (2019) Inc.

Dwer
re yo
WT 726.

Demande 2/3

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 247451
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#247451-02-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify): _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Chlorophyle	Phosphore trace (CEAEQ)	# of Bottles	Comments
1		ST-8 Fond	2022/06/01	13:30	EAU SURFACE	N	N	X	X	X	20	COD filtré
2		ST-9	2022/06/02	13:10	EAU SURFACE	N	N	X		X	17	COD filtré
3		ST-10	2022/06/01	12:10	EAU SURFACE	N	N	X		X	17	COD filtré
4		ST-11 Surface	2022/06/02	10:52	EAU SURFACE	N	N	X	X	X	20	COD filtré
5		ST-11 Fond	2022/06/02	11:15	EAU SURFACE	N	N	X	X	X	20	COD filtré
6		ST-12	2022/06/02	9:50	EAU SURFACE	N	N	X	X	X	20	COD filtré
7		ST-13	2022/06/03	16:50	EAU SURFACE	N	N	X		X	17	COD filtré
8		~~Fantôme-1~~						X				
9		~~DUP-1~~						X				
10		~~Fantôme-2~~						X				

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Demande 3/3

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 247451
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#247451-04-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify): _____

Special Instructions

Blancs pour phosphore trace n'ont pas été fournis dans l'envoi du laboratoire

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Analysis Requested: Chlorophyle	Analysis Requested: Phosphore trace (CEAEQ)	# of Bottles	Comments
1		Dup - 3	2022-06-03		EAU SURFACE	N	N	X	X	X	17	Pas de Chl a
2		Blanc B3	2022-06-03	10:56	EAU SURFACE	N	N	X	X		12	Pas de blanc pour phosphore | Pas de Chl.
3		Station St 14	2022-06-03	14:30	EAU SURFACE	N	N	X	X	X	17	Pas de Chl a
4		Station St 4	2022-06-04	11:30	EAU SURFACE	N	N	X	X	X	14	Pas de Chla, Pas de phosphore COD Filtré
5		DUP - 1	2022-06-01		EAU SURFACE	N	N	X	X	X	20	COD filtré
6		DUP - 2	2022-06-02		EAU SURFACE	N	N	X	X	X	17	Pas de Chl a, COD filtré
7		Blanc ~~B3~~ B2	2022-06-02	13:00	EAU SURFACE	N	N	X	X		13	Pas de blanc pour phosphore
8		Blanc B1	2022-06-01	15:30	EAU SURFACE	N	N	X	X		13	Pas de blanc pour phosphore
9		Blanc Transport			EAU SURFACE	N	N	X	X		14	Pas de blanc pour phosphore
10									X			

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
							☐		☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

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White: Bureau Veritas Yellow: Client

Environnement et Lutte contre les changements climatiques
Québec

Certificat d'analyse

Direction de l'analyse chimique
2700, rue Einstein
Québec (Québec) G1P 3W8
Tél.: 418 643-1301
Téléc.: 418 528-1091

Client: Bureau Veritas Canada (2019) Inc.- Montréal
889, Montée de Liesse
Saint-Laurent (Québec) H4T 1P5

Nom de projet: Maxxam Analytique inc. (MTL)
Responsable: SoustraitanceQue-YUL
Téléphone: 514-448-9001
Code projet client:

Date de réception: 9 juin 2022
Numéro de dossier: Q134789
Bon de commande: C226735
Code projet CEAEQ: 1199

Numéro de l'échantillon : Q134789-01

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4191-ST-1-1
Description de prélèvement: KM4191-ST-1-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 / **Date d'analyse:** 13 juin 2022	**Résultat**	**Unité**	**LDM**
Phosphore total	8,1	µg/l	0,6

Numéro de l'échantillon : Q134789-02

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4192-ST-1-2
Description de prélèvement: KM4192-ST-1-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 / **Date d'analyse:** 13 juin 2022	**Résultat**	**Unité**	**LDM**
Phosphore total	7,2	µg/l	0,6

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Version 1 (1356313)

Certificat d'analyse (suite de l'échantillon numéro : Q134789-03)

Numéro de l'échantillon : Q134789-03

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4193-ST-1-3
Description de prélèvement: KM4193-ST-1-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	9,8	µg/l	0,6

Numéro de l'échantillon : Q134789-04

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4194-ST-2-1
Description de prélèvement: KM4194-ST-2-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	7,3	µg/l	0,6

Numéro de l'échantillon : Q134789-05

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4195-ST-2-2
Description de prélèvement: KM4195-ST-2-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	6,9	µg/l	0,6

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Version 1 (1356313)

Certificat d'analyse (suite de l'échantillon numéro : Q134789-06)

Numéro de l'échantillon : Q134789-06

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4196-ST-2-3
Description de prélèvement: KM4196-ST-2-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	6,9	µg/l	0,6

Numéro de l'échantillon : Q134789-07

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4197-ST-3-1
Description de prélèvement: KM4197-ST-3-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,5	µg/l	0,6

Numéro de l'échantillon : Q134789-08

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4198-ST-3-2
Description de prélèvement: KM4198-ST-3-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	5,5	µg/l	0,6

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Version 1 (1356313)

Certificat d'analyse (suite de l'échantillon numéro : Q134789-09)

Numéro de l'échantillon : Q134789-09

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4199-ST-3-3
Description de prélèvement: KM4199-ST-3-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	6,1	µg/l	0,6

Numéro de l'échantillon : Q134789-10

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4200-ST-5-1
Description de prélèvement: KM4200-ST-5-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,9	µg/l	0,6

Numéro de l'échantillon : Q134789-11

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4201-ST-5-2
Description de prélèvement: KM4201-ST-5-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	5,4	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-12)

Numéro de l'échantillon : Q134789-12

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4202-ST-5-3
Description de prélèvement: KM4202-ST-5-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,8	µg/l	0,6

Numéro de l'échantillon : Q134789-13

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4203-ST-6-1
Description de prélèvement: KM4203-ST-6-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	3,4	µg/l	0,6

Numéro de l'échantillon : Q134789-14

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4204-ST-6-2
Description de prélèvement: KM4204-ST-6-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,2	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-15)

Numéro de l'échantillon : Q134789-15

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4205-ST-6-3
Description de prélèvement: KM4205-ST-6-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	4,3	µg/l	0,6

Numéro de l'échantillon : Q134789-16

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4206-ST-7A-SURF-1
Description de prélèvement: KM4206-ST-7A-SURF-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q134789-17

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4207-ST-7A-SURF-2
Description de prélèvement: KM4207-ST-7A-SURF-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,1	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-18)

Numéro de l'échantillon : Q134789-18

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4208-ST-7A-SURF-3
Description de prélèvement: KM4208-ST-7A-SURF-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,2	µg/l	0,6

Numéro de l'échantillon : Q134789-19

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4209-ST-7A-FOND-1
Description de prélèvement: KM4209-ST-7A-FOND-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q134789-20

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4210-ST-7A-FOND-2
Description de prélèvement: KM4210-ST-7A-FOND-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,0	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-21)

Numéro de l'échantillon : Q134789-21

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4211-ST-7A-FOND-3
Description de prélèvement: KM4211-ST-7A-FOND-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	4,4	µg/l	0,6

Numéro de l'échantillon : Q134789-22

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4212-ST-7B-SURF-1
Description de prélèvement: KM4212-ST-7B-SURF-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,9	µg/l	0,6

Numéro de l'échantillon : Q134789-23

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4213-ST-7B-SURF-2
Description de prélèvement: KM4213-ST-7B-SURF-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,2	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-24)

Numéro de l'échantillon : Q134789-24

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4214-ST-7A-SURF-3
Description de prélèvement: KM4214-ST-7A-SURF-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,8	µg/l	0,6

Numéro de l'échantillon : Q134789-25

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4215-ST-7B-FOND-1
Description de prélèvement: KM4215-ST-7B-FOND-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,9	µg/l	0,6

Numéro de l'échantillon : Q134789-26

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4216-ST-7B-FOND-2
Description de prélèvement: KM4216-ST-7B-FOND-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	5,5	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-27)

Numéro de l'échantillon : Q134789-27

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4217-ST-7B-FOND-3
Description de prélèvement: KM4217-ST-7B-FOND-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,3	µg/l	0,6

Numéro de l'échantillon : Q134789-28

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4218-ST-8-SURF-1
Description de prélèvement: KM4218-ST-8-SURF-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q134789-29

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4219-ST-8-SURF-2
Description de prélèvement: KM4219-ST-8-SURF-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,5	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-30)

Numéro de l'échantillon : Q134789-30

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4220-ST-8-SURF-3
Description de prélèvement: KM4220-ST-8-SURF-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q134789-31

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4227-ST-8-FOND-1
Description de prélèvement: KM4227-ST-8-FOND-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	4,9	µg/l	0,6

Numéro de l'échantillon : Q134789-32

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4228-ST-8-FOND-2
Description de prélèvement: KM4228-ST-8-FOND-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	5,0	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-33)

Numéro de l'échantillon : Q134789-33

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4229-ST-8-FOND-3
Description de prélèvement: KM4229-ST-8-FOND-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,6	µg/l	0,6

Numéro de l'échantillon : Q134789-34

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4230-ST-9-1
Description de prélèvement: KM4230-ST-9-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	6,5	µg/l	0,6

Numéro de l'échantillon : Q134789-35

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4231-ST-9-2
Description de prélèvement: KM4231-ST-9-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	6,7	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-36)

Numéro de l'échantillon : Q134789-36

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4232-ST-9-3
Description de prélèvement: KM4232-ST-9-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	6,0	µg/l	0,6

Numéro de l'échantillon : Q134789-37

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4233-ST-10-1
Description de prélèvement: KM4233-ST-10-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	7,0	µg/l	0,6

Numéro de l'échantillon : Q134789-38

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4234-ST-10-2
Description de prélèvement: KM4234-ST-10-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	6,8	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-39)

Numéro de l'échantillon : Q134789-39

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4235-ST-10-3
Description de prélèvement: KM4235-ST-10-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	7,1	µg/l	0,6

Numéro de l'échantillon : Q134789-40

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4236-ST-11 SURFACE-1
Description de prélèvement: KM4236-ST-11 SURFACE-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	5,4	µg/l	0,6

Numéro de l'échantillon : Q134789-41

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4237-ST-11 SURFACE-2
Description de prélèvement: KM4237-ST-11 SURFACE-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,4	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-42)

Numéro de l'échantillon : Q134789-42

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4238-ST-11 SURFACE-3
Description de prélèvement: KM4238-ST-11 SURFACE-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,4	µg/l	0,6

Numéro de l'échantillon : Q134789-43

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4239-ST-11 FOND-1
Description de prélèvement: KM4239-ST-11 FOND-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,4	µg/l	0,6

Numéro de l'échantillon : Q134789-44

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4240-ST-11 FOND-2
Description de prélèvement: KM4240-ST-11 FOND-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,4	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-45)

Numéro de l'échantillon : Q134789-45

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4241-ST-11 FOND-3
Description de prélèvement: KM4241-ST-11 FOND-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,9	µg/l	0,6

Numéro de l'échantillon : Q134789-46

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4242-ST-12-1
Description de prélèvement: KM4242-ST-12-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,7	µg/l	0,6

Numéro de l'échantillon : Q134789-47

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4243-ST-12-2
Description de prélèvement: KM4243-ST-12-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	4,4	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-48)

Numéro de l'échantillon : Q134789-48

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4244-ST-12-3
Description de prélèvement: KM4244-ST-12-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	4,4	µg/l	0,6

Numéro de l'échantillon : Q134789-49

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4245-ST-13-1
Description de prélèvement: KM4245-ST-13-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,2	µg/l	0,6

Numéro de l'échantillon : Q134789-50

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4246-ST-13-2
Description de prélèvement: KM4246-ST-13-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	5,2	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-51)

Numéro de l'échantillon : Q134789-51

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4247-ST-13-3
Description de prélèvement: KM4247-ST-13-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	4,8	µg/l	0,6

Numéro de l'échantillon : Q134789-52

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4249-DUP-3-1
Description de prélèvement: KM4249-DUP-3-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	7,1	µg/l	0,6

Numéro de l'échantillon : Q134789-53

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4250-DUP-3-2
Description de prélèvement: KM4250-DUP-3-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	6,7	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-54)

Numéro de l'échantillon : Q134789-54

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4251-DUP-3-3
Description de prélèvement: KM4251-DUP-3-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	7,5	µg/l	0,6

Numéro de l'échantillon : Q134789-55

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4252-STATION ST-14-1
Description de prélèvement: KM4252-STATION ST-14-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 14 juin 2022			
Phosphore total	7,1	µg/l	0,6

Numéro de l'échantillon : Q134789-56

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4253-STATION ST-14-2
Description de prélèvement: KM4253-STATION ST-14-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Phosphore total	6,4	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q134789-57)

Numéro de l'échantillon : Q134789-57

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM4254-STATION ST-14-3
Description de prélèvement: KM4254-STATION ST-14-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	6,7	µg/l	0,6

Numéro de l'échantillon : Q134789-58

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4255-DUP-1-1
Description de prélèvement: KM4255-DUP-1-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,6	µg/l	0,6

Numéro de l'échantillon : Q134789-59

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4256-DUP-1-2
Description de prélèvement: KM4256-DUP-1-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	4,5	µg/l	0,6

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Version 1 (1356313)

Certificat d'analyse (suite de l'échantillon numéro : Q134789-60)

Numéro de l'échantillon : Q134789-60

Préleveur: Client
Date de prélèvement: 1 juin 2022
Description de l'échantillon: KM4257-DUP-1-3
Description de prélèvement: KM4257-DUP-1-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 22 juin 2022	Résultat	Unité	LDM
Phosphore total	5,2	µg/l	0,6

Numéro de l'échantillon : Q134789-61

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4258-DUP-2-1
Description de prélèvement: KM4258-DUP-2-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	6,2	µg/l	0,6

Numéro de l'échantillon : Q134789-62

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4259-DUP-2-2
Description de prélèvement: KM4259-DUP-2-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Phosphore total	5,8	µg/l	0,6

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Version 1 (1356313)

Numéro de l'échantillon : Q134789-63

Préleveur: Client
Date de prélèvement: 2 juin 2022
Description de l'échantillon: KM4260-DUP-2-3
Description de prélèvement: KM4260-DUP-2-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 13 juin 2022			
Phosphore total	6,0	µg/l	0,6

Les résultats ne se rapportent qu'à l'échantillon soumis à l'analyse.

J'atteste avoir formellement constaté ces faits

***Certificat approuvé le* 4 juillet 2022**

<Signature removed>

Jean-Luc Pilote, M.Sc. Chimiste
Division chimie inorganique, Québec

Légende:
ABS: Absence
DNQ: Résultat entre la LDM et la LQM
INT: Interférences - Analyse impossible
ND: Non détecté
ST: Sous-traitance
PR: Présence
RNF: Résultat non disponible
NDR: Détecté - Mais ne satisfait pas le rapport isotopique
TNI: Colonies trop nombreuses pour être identifiées
VR: Voir remarque

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Version 1 (1356313)

Confirmation of Sample Receipt

Bureau Veritas Job Number: C239989
Job Received: 2022/08/01 16:00
Final Report Due: 2022/08/23 17:00
Disposal Date: 2022/08/31

Invoice Information

Attn: Comptes payables
Nemaska Lithium Inc.
1250, boul.René-Lévesque Ouest
Suite 2200
Montréal, QC, H3B 4W8
Email to:
payables@nemaskalithium.com
jeannie.marchand@nemaskalithium.com

Report Information

Attn: Rachel Hussherr
Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC, G9N 4W1
Email to:
rachel hussherr <rhussherr@synergis.ca>

Project Information

Quote #: C20034
PO/AFE#: 1020000153
Project #: 22-0186
Site Location: Eaux de surface
Sampled By:

Analytical Summary

A: Due On 2022/08/16 17:00
B: Due between 2022/08/16 and 2022/08/23

Lab ID	Client Sample ID	Sampling Date/Time	Matrix	EAU SURFACE avec chlorophylle - Projet 22-0186 (1) (2) (3) (4)	EAU SURFACE sans chlorophylle - Projet 22-0186 (2) (3) (4)	Set Number
COC# 71701						
KS7306	St-1	2022/07/28	SurfWat	A	B	1
KS7307	St-2	2022/07/28	SurfWat	A	B	1
KS7308	St-3	2022/07/28	SurfWat	A	B	1
KS7309	St-4	2022/07/30	SurfWat	A	B	1
KS7310	St-5	2022/07/30	SurfWat	B		2
KS7311	St-6	2022/07/30	SurfWat	A	B	1
KS7312	ST-7A Surf	2022/07/29	SurfWat	B		2
KS7313	ST-7A Fond	2022/07/29	SurfWat	B		2
KS7314	ST-7B Surf	2022/07/29	SurfWat	B		2
KS7315	ST-7B Fond	2022/07/29	SurfWat	B		2
KS7316	ST-8 Surf	2022/07/29	SurfWat	B		2
KS7317	ST-8 Fond	2022/07/29	SurfWat	B		2
KS7318	ST-9	2022/07/30	SurfWat	A	B	1
KS7319	ST-10	2022/07/29	SurfWat	A	B	1
KS7320	ST-11 Surface	2022/07/30	SurfWat	B		2
KS7321	ST-11 Fond	2022/07/30	SurfWat	B		2
KS7322	ST-12	2022/07/30	SurfWat	B		2
KS7323	ST-13	2022/07/28	SurfWat	A	B	1

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

A: Due On 2022/08/16 17:00
B: Due between 2022/08/16 and 2022/08/23

Lab ID	Client Sample ID	Sampling Date/Time	Matrix	EAU SURFACE avec chlorophylle - Projet 22-0186 (1) (2) (3) (4)	EAU SURFACE sans chlorophylle - Projet 22-0186 (2) (3) (4)	Set Number
COC# 71701						
KS7324	ST-14	2022/07/28	SurfWat	A	B	1
KS7325	dup-1	2022/07/28	SurfWat	B		3
KS7326	dup-2	2022/07/29	SurfWat	B		2
KS7327	dup-3	2022/07/30	SurfWat	B		3
KS7328	BLANC DE TRANSPORT1 LOT 22JL21-A	2022/07/31	SurfWat	B		2
KS7329	BT-1 LOT 22JL21-A	2022/07/28	SurfWat	B		3
KS7330	BT-2 LOT 22JL21-A	2022/07/29	SurfWat	B		2
KS7331	BT-3 LOT 22JL21-A	2022/07/30	SurfWat	B		2
KS7332	ST-5-1	2022/07/30	SurfWat	A		4
KS7333	ST-5-2	2022/07/30	SurfWat	A		4
KS7334	ST-7A SURF-1	2022/07/29	SurfWat	A		4
KS7335	ST-7A SURF-2	2022/07/29	SurfWat	A		4
KS7336	ST-7A FOND-1	2022/07/29	SurfWat	A		4
KS7337	ST-7A FOND-2	2022/07/29	SurfWat	A		4
KS7338	ST-7B SURF-1	2022/07/29	SurfWat	A		4
KS7339	ST-7B SURF-2	2022/07/29	SurfWat	A		4
KS7340	ST-7B FOND-1	2022/07/29	SurfWat	A		4
KS7341	ST-7B FOND-2	2022/07/29	SurfWat	A		4
KS7342	ST-8 SURF-1	2022/07/29	SurfWat	A		4
KS7343	ST-8 SURF-2	2022/07/29	SurfWat	A		4
KS7344	ST-8 FOND-1	2022/07/29	SurfWat	A		4
KS7345	ST-8 FOND-2	2022/07/29	SurfWat	A		4
KS7346	ST-11 SURFACE-1	2022/07/30	SurfWat	A		4

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Confirmation of Sample Receipt

Bureau Veritas Job Number: C239989
Job Received: 2022/08/01 16:00
Final Report Due: 2022/08/23 17:00
Disposal Date: 2022/08/31

A: Due On 2022/08/16 17:00
B: Due between 2022/08/16 and 2022/08/23

Lab ID	Client Sample ID	Sampling Date/Time	Matrix	EAU SURFACE avec chlorophylle - Projet 22-0186 (1)	EAU SURFACE sans chlorophylle - Projet 22-0186 (2) (3) (4)	Set Number
COC# 71701						
KS7347	ST-11 SURFACE-2	2022/07/30	SurfWat	A		4
KS7348	ST-11 FOND-1	2022/07/30	SurfWat	A		4
KS7349	ST-11 FOND-2	2022/07/30	SurfWat	A		4
KS7350	ST-12-1	2022/07/30	SurfWat	A		4
KS7351	ST-12-2	2022/07/30	SurfWat	A		4
KS7352	DUP-2-1	2022/07/29	SurfWat	A		4
KS7353	DUP-2-2	2022/07/29	SurfWat	A		4
KS7354	BLANC DE TRANSPORT1-	2022/07/31	SurfWat	A		4
KS7355	BLANC DE TRANSPORT1-2	2022/07/31	SurfWat	A		4
KS7356	BT-2-1	2022/07/29	SurfWat	A		4
KS7357	BT-2-2	2022/07/29	SurfWat	A		4
KS7358	BT-3-1	2022/07/30	SurfWat	A		4
KS7359	BT-3-2	2022/07/30	SurfWat	A		4

Include Criteria on CofA: No

(1) Test Location: Environex/Eurofins (Chlorophyl, EAU SURFACE avec chlorophylle - Projet 22-0186)
(2) Test Location: Bureau Veritas - Montréal (Acid Soluble Mercury ultra low limit, Ammonia Nitrogen, Anions in water, BOD 5 Days Low Level, Dissolved Carbon, Dissolved Inorganic Carbon, Dissolved Organic Carbon, Fluoride (Low Level), Nitrates(NO3-), Nitrites(NO2-)-water, Sulfides (as S2-), Total Dissolved Solids, Total Extractable Trace Metals ICP-MS, Total Extractible Trace Metals by ICP-MS, Total Nitrogen, Total Organic Carbon, Total Solids Dried at 105°C, Total Suspended Solids (low level), EAU SURFACE avec chlorophylle - Projet 22-0186, Hardness)
(3) Test Location: CEAEQ-Laval (Anions (Sulfate))
(4) Test Location: Bureau Veritas - Radiological (Radium-226 Low Level)

Sample Inspection Observations & Comments

# of Samples Received: 54

Details: 13) Samples received after hold time

Average Temperature: Package 1: 9.7 °C

Additional Notes

- Unless special storage arrangements are made, all samples will be disposed 30 days after receipt. Additional fees may be applied for extended storage.
- Additional fees may be applied for the disposal of hazardous samples.

The contents of this report are subject to change. For up to date information, please refer to the Customer Portal.

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Confirmation of Sample Receipt

Bureau Veritas Job Number: C239989
Job Received: 2022/08/01 16:00
Final Report Due: 2022/08/23 17:00
Disposal Date: 2022/08/31

Sample Set Listing

Set 1 (9 Samples)	Set 2 (14 Samples)	Set 3 (3 Samples)	Set 4 (28 Samples)
St-1	St-5	dup-1	ST-5-1
St-2	ST-7A Surf	dup-3	ST-5-2
St-3	ST-7A Fond	BT-1 LOT 22JL21-A	ST-7A SURF-1
St-4	ST-7B Surf		ST-7A SURF-2
St-6	ST-7B Fond		ST-7A FOND-1
ST-9	ST-8 Surf		ST-7A FOND-2
ST-10	ST-8 Fond		ST-7B SURF-1
ST-13	ST-11 Surface		ST-7B SURF-2
ST-14	ST-11 Fond		ST-7B FOND-1
	ST-12		ST-7B FOND-2
	dup-2		ST-8 SURF-1
	BLANC DE TRANSPORT1 LOT 22JL21-A		ST-8 SURF-2
	BT-2 LOT 22JL21-A		ST-8 FOND-1
	BT-3 LOT 22JL21-A		ST-8 FOND-2
			ST-11 SURFACE-1
			ST-11 SURFACE-2
			ST-11 FOND-1
			ST-11 FOND-2
			ST-12-1
			ST-12-2
			DUP-2-1
			DUP-2-2
			BLANC DE TRANSPORT1-
			BLANC DE TRANSPORT1-2
			BT-2-1
			BT-2-2
			BT-3-1
			BT-3-2

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
EAU SURFACE avec chlorophylle - Projet 22-0186	Acid Soluble Mercury (Hg)	0.0013	ug/L		X	X	
	Nitrogen ammonia (N-NH4+ and N-NH3)	0.02	mg/L		X	X	
	Sulfates (SO4)	0.15	mg/L		X	X	
	Bromide (Br-)	0.1	mg/L		X	X	
	Chloride (Cl)	0.05	mg/L		X	X	
	BOD5	2	mg/L		X	X	
	Chlorophyl A	0.1	ug/L		X		X
	Conductivity	0.001	mS/cm		X	X	
	Dissolved Carbon	0.2	mg/L		X	X	
	Dissolved inorganic carbon	0.2	mg/L		X	X	
	Dissolved organic carbon	0.2	mg/L		X	X	
	Fluoride (F)	0.01	mg/L		X	X	
	Hardness	N/A		X	X	X	
	Nitrate (N) and Nitrite(N)	0.02	mg/L		X	X	
	Nitrates (N-NO3-)	0.02	mg/L		X	X	
	Nitrites (N-NO2-)	0.02	mg/L		X	X	

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
EAU SURFACE avec chlorophylle - Projet 22-0186	Petroleum Hydrocarbons (C10-C50)	100	ug/L		X	X	
	pH	N/A	pH		X	X	
	Radium-226	0.005	Bq/L		X	X	
	Sulfides (S2-)	0.02	mg/L		X	X	
	Alkalinity Total (as CaCO3) pH 4.5	1	mg/L		X	X	
	Total Dissolved Solids	10	mg/L		X	X	
	Total Extractable Cerium (Ce)	0.04	ug/L		X	X	
	Total Extractable Cesium (Cs)	0.02	ug/L		X	X	
	Total Extractable Dysprosium (Dy)	0.04	ug/L		X	X	
	Total Extractable Erbium (Er)	0.02	ug/L		X	X	
	Total Extractable Europium (Eu)	0.02	ug/L		X	X	
	Total Extractable Gadolinium (Gd)	0.04	ug/L		X	X	
	Total Extractable Holmium (Ho)	0.015	ug/L		X	X	
	Total Extractable Gallium (Ga)	0.04	ug/L		X	X	
	Total Extractable Lanthanum (La)	0.02	ug/L		X	X	
	Total Extractable Lutetium (Lu)	0.016	ug/L		X	X	
	Total Extractable Neodymium (Nd)	0.04	ug/L		X	X	
	Total Extractable Praseodymium (Pr)	0.01	ug/L		X	X	
	Total Extractable Rhenium (Re)	0.04	ug/L		X	X	
	Total Extractable Rhodium (Rh)	0.02	ug/L		X	X	
	Total Extractable Rubidium (Rb)	0.02	ug/L		X	X	
	Total Extractable Samarium (Sm)	0.03	ug/L		X	X	
	Total Extractable Scandium (Sc)	0.02	ug/L		X	X	
	Total Extractable Terbium (Tb)	0.01	ug/L		X	X	
	Total Extractable Thorium (Th)	0.015	ug/L		X	X	
	Total Extractable Thulium (Tm)	0.016	ug/L		X	X	
	Total Extractable Ytterbium (Yb)	0.07	ug/L		X	X	
	Total Extractable Yttrium (Y)	0.02	ug/L		X	X	
	Total Extractable Aluminum (Al)	5	ug/L		X	X	
	Total Extractable Antimony (Sb)	0.005	ug/L		X	X	
	Total Extractable Silver (Ag)	0.003	ug/L		X	X	
	Total Extractable Arsenic (As)	0.08	ug/L		X	X	
	Total Extractable Barium (Ba)	0.03	ug/L		X	X	
	Total Extractable Beryllium (Be)	0.01	ug/L		X	X	
	Total Extractable Bismuth (Bi)	0.009	ug/L		X	X	
	Total Extractable Boron (B)	0.3	ug/L		X	X	
	Total Extractable Cadmium (Cd)	0.006	ug/L		X	X	
	Total Extractable Calcium (Ca)	20	ug/L		X	X	
	Total Extractable Chromium (Cr)	0.04	ug/L		X	X	

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
EAU SURFACE avec chlorophylle - Projet 22-0186	Total Extractable Cobalt (Co)	0.008	ug/L		X	X	
	Total Extractable Copper (Cu)	0.05	ug/L		X	X	
	Total Extractable Tin (Sn)	0.05	ug/L		X	X	
	Total Extractable Iron (Fe)	0.5	ug/L		X	X	
	Total Extractable Lithium (Li)	0.1	ug/L		X	X	
	Total Extractable Magnesium (Mg)	10	ug/L		X	X	
	Total Extractable Manganese (Mn)	0.03	ug/L		X	X	
	Total Extractable Mercury (Hg)	0.002	ug/L		X	X	
	Total Extractable Molybdenum (Mo)	0.01	ug/L		X	X	
	Total Extractable Nickel (Ni)	0.03	ug/L		X	X	
	Total Extractable Lead (Pb)	0.01	ug/L		X	X	
	Total Extractable Potassium (K)	10	ug/L		X	X	
	Total Extractable Selenium (Se)	0.05	ug/L		X	X	
	Total Extractable Sodium (Na)	10	ug/L		X	X	
	Total Extractable Strontium (Sr)	0.04	ug/L		X	X	
	Total Extractable Tellurium (Te)	0.005	ug/L		X	X	
	Total Extractable Thallium (Tl)	0.01	ug/L		X	X	
	Total Extractable Titanium (Ti)	0.4	ug/L		X	X	
	Total Extractable Tungsten (W)	0.04	ug/L		X	X	
	Total Extractable Uranium (U)	0.001	ug/L		X	X	
	Total Extractable Vanadium (V)	0.05	ug/L		X	X	
	Total Extractable Zinc (Zn)	0.5	ug/L		X	X	
	Total Extractable Total Hardness (CaCO3)	40	ug/L		X	X	
	TKN Total Kjeldahl Nitrogen	0.4	mg/L		X	X	
	Total Organic Carbon	0.2	mg/L		X	X	
	Total Solids	10	mg/L		X	X	
	Total suspended solids (TSS)	0.2	mg/L		X	X	
	Turbidity	0.1	NTU		X	X	
EAU SURFACE sans chlorophylle - Projet 22-0186	Acid Soluble Mercury (Hg)	0.0013	ug/L	X			
	Nitrogen ammonia (N-NH4+ and N-NH3)	0.02	mg/L	X			
	Sulfates (SO4)	0.15	mg/L	X			
	Bromide (Br-)	0.1	mg/L	X			
	Chloride (Cl)	0.05	mg/L	X			
	BOD5	2	mg/L	X			
	Conductivity	0.001	mS/cm	X			
	Dissolved Carbon	0.2	mg/L	X			
	Dissolved inorganic carbon	0.2	mg/L	X			
	Dissolved organic carbon	0.2	mg/L	X			
	Fluoride (F)	0.01	mg/L	X			

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
EAU SURFACE sans chlorophylle - Projet 22-0186	Nitrate (N) and Nitrite(N)	0.02	mg/L	X			
	Nitrates (N-NO3-)	0.02	mg/L	X			
	Nitrites (N-NO2-)	0.02	mg/L	X			
	Petroleum Hydrocarbons (C10-C50)	100	ug/L	X			
	pH	N/A	pH	X			
	Radium-226	0.005	Bq/L	X			
	Sulfides (S2-)	0.02	mg/L	X			
	Alkalinity Total (as CaCO3) pH 4.5	1	mg/L	X			
	Total Dissolved Solids	10	mg/L	X			
	Total Extractable Cerium (Ce)	0.04	ug/L	X			
	Total Extractable Cesium (Cs)	0.02	ug/L	X			
	Total Extractable Dysprosium (Dy)	0.04	ug/L	X			
	Total Extractable Erbium (Er)	0.02	ug/L	X			
	Total Extractable Europium (Eu)	0.02	ug/L	X			
	Total Extractable Gadolinium (Gd)	0.04	ug/L	X			
	Total Extractable Holmium (Ho)	0.015	ug/L	X			
	Total Extractable Gallium (Ga)	0.04	ug/L	X			
	Total Extractable Lanthanum (La)	0.02	ug/L	X			
	Total Extractable Lutetium (Lu)	0.016	ug/L	X			
	Total Extractable Neodymium (Nd)	0.04	ug/L	X			
	Total Extractable Praseodymium (Pr)	0.01	ug/L	X			
	Total Extractable Rhenium (Re)	0.04	ug/L	X			
	Total Extractable Rhodium (Rh)	0.02	ug/L	X			
	Total Extractable Rubidium (Rb)	0.02	ug/L	X			
	Total Extractable Samarium (Sm)	0.03	ug/L	X			
	Total Extractable Scandium (Sc)	0.02	ug/L	X			
	Total Extractable Terbium (Tb)	0.01	ug/L	X			
	Total Extractable Thorium (Th)	0.015	ug/L	X			
	Total Extractable Thulium (Tm)	0.016	ug/L	X			
	Total Extractable Ytterbium (Yb)	0.07	ug/L	X			
	Total Extractable Yttrium (Y)	0.02	ug/L	X			
	Total Extractable Aluminum (Al)	5	ug/L	X			
	Total Extractable Antimony (Sb)	0.005	ug/L	X			
	Total Extractable Silver (Ag)	0.003	ug/L	X			
	Total Extractable Arsenic (As)	0.08	ug/L	X			
	Total Extractable Barium (Ba)	0.03	ug/L	X			
	Total Extractable Beryllium (Be)	0.01	ug/L	X			
	Total Extractable Bismuth (Bi)	0.009	ug/L	X			
	Total Extractable Boron (B)	0.3	ug/L	X			

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
EAU SURFACE sans chlorophylle - Projet 22-0186	Total Extractable Cadmium (Cd)	0.006	ug/L	X			
	Total Extractable Calcium (Ca)	20	ug/L	X			
	Total Extractable Chromium (Cr)	0.04	ug/L	X			
	Total Extractable Cobalt (Co)	0.008	ug/L	X			
	Total Extractable Copper (Cu)	0.05	ug/L	X			
	Total Extractable Tin (Sn)	0.05	ug/L	X			
	Total Extractable Iron (Fe)	0.5	ug/L	X			
	Total Extractable Lithium (Li)	0.1	ug/L	X			
	Total Extractable Magnesium (Mg)	10	ug/L	X			
	Total Extractable Manganese (Mn)	0.03	ug/L	X			
	Total Extractable Mercury (Hg)	0.002	ug/L	X			
	Total Extractable Molybdenum (Mo)	0.01	ug/L	X			
	Total Extractable Nickel (Ni)	0.03	ug/L	X			
	Total Extractable Lead (Pb)	0.01	ug/L	X			
	Total Extractable Potassium (K)	10	ug/L	X			
	Total Extractable Selenium (Se)	0.05	ug/L	X			
	Total Extractable Sodium (Na)	10	ug/L	X			
	Total Extractable Strontium (Sr)	0.04	ug/L	X			
	Total Extractable Tellurium (Te)	0.005	ug/L	X			
	Total Extractable Thallium (Tl)	0.01	ug/L	X			
	Total Extractable Titanium (Ti)	0.4	ug/L	X			
	Total Extractable Tungsten (W)	0.04	ug/L	X			
	Total Extractable Uranium (U)	0.001	ug/L	X			
	Total Extractable Vanadium (V)	0.05	ug/L	X			
	Total Extractable Zinc (Zn)	0.5	ug/L	X			
	Total Extractable Total Hardness (CaCO3)	40	ug/L	X			
	TKN Total Kjeldahl Nitrogen	0.4	mg/L	X			
	Total Organic Carbon	0.2	mg/L	X			
	Total Solids	10	mg/L	X			
	Total suspended solids (TSS)	0.2	mg/L	X			
	Turbidity	0.1	NTU	X			

**RDLs are subject to change based on interferences present at the time of analysis.*

Bureau Veritas PM: Madison Tremblay (madison.tremblay@bureauveritas.com or 418-658-5784 Ext: 7066426)

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eaux de surface
Your C.O.C. #: 71701

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/08/31
Report #: R2785388
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C239989
Received: 2022/08/01, 16:00

Sample Matrix: Surface Water
Samples Received: 48

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Alkalinity (pH end point 4.5)	26	N/A	2022/08/03	STL SOP-00038	SM 23 2320-B m
Anions in water (1)	26	N/A	2022/08/04	STL SOP-00014	MA.300–Ions 1.3 R3 m
BOD 5 Days Low Level (1)	26	2022/08/03	2022/08/08	STL SOP-00008	MA315-DBO 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	5	2022/08/04	2022/08/04	QUE SOP-00220	MA400–HYD 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	19	2022/08/04	2022/08/05	QUE SOP-00220	MA400–HYD 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	1	2022/08/04	2022/08/09	QUE SOP-00220	MA400–HYD 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	1	2022/08/05	2022/08/08	QUE SOP-00220	MA400–HYD 1.1 R3 m
Chlorophyl (2)	36	N/A	N/A		
Conductivity	26	N/A	2022/08/03	STL SOP-00038	SM 23 2510-B m
Dissolved Carbon (1, 6)	10	2022/08/03	2022/08/03	STL SOP-00243	SM 23 5310-B m
Dissolved Carbon (1, 6)	16	2022/08/03	2022/08/04	STL SOP-00243	SM 23 5310-B m
Dissolved Inorganic Carbon (1)	20	N/A	2022/08/08	STL SOP-00243	SM 23 5310-B m
Dissolved Inorganic Carbon (1)	6	N/A	2022/08/09	STL SOP-00243	SM 23 5310-B m
Dissolved Organic Carbon (1, 6)	22	2022/08/04	2022/08/05	STL SOP-00243	SM 23 5310-B m
Dissolved Organic Carbon (1, 6)	4	2022/08/04	2022/08/08	STL SOP-00243	SM 23 5310-B m
Fluoride (Low Level) (3, 7)	26	N/A	N/A	MTL SOP-00038	SM23 4500-F m
Acid Soluble Mercury ultra low limit (1)	26	N/A	2022/08/17	STL SOP-00006	MA. 203 – Mercure R1
Total Suspended Solids (low level) (1)	12	2022/08/04	2022/08/05	STL SOP-00015	MA.104–S.S. 2.0 m
Total Suspended Solids (low level) (1)	14	2022/08/05	2022/08/08	STL SOP-00015	MA.104–S.S. 2.0 m
Total Extractible Trace Metals by ICP-MS (1)	21	2022/08/12	2022/08/13	STL SOP-00006	MA203–Mét Tra1.1 R1m
Total Extractible Trace Metals by ICP-MS (1)	5	2022/08/12	2022/08/17	STL SOP-00006	MA203–Mét Tra1.1 R1m
Total Extractable Trace Metals ICP-MS (1)	26	2022/08/08	2022/08/09	STL SOP-00071	MA 200-Met 1.2 R7 m
Ammonia Nitrogen (1)	26	N/A	2022/08/06	STL SOP-00040	MA.300–N 2.0 R2 m
Nitrates(NO3-), Nitrites(NO2-)-water (1)	26	N/A	2022/08/04	STL SOP-00014	MA.300–Ions 1.3 R3 m
pH in water	26	N/A	2022/08/03	STL SOP-00038	MA.100–pH 1.1 R3 m
Sulfides (as S2-) (1)	26	2022/08/05	2022/08/05	STL SOP-00005	MA. 300 – S 1.2 R3 m
Anions (Sulfate) (4)	26	N/A	N/A		
Total Dissolved Solids (1)	10	2022/08/04	2022/08/05	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Dissolved Solids (1)	16	2022/08/05	2022/08/06	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Nitrogen (1)	18	2022/08/09	2022/08/11	STL SOP-00077	MOE:TOTNUT-E3516v1.3

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eaux de surface
Your C.O.C. #: 71701

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/08/31
Report #: R2785388
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C239989
Received: 2022/08/01, 16:00

Sample Matrix: Surface Water
Samples Received: 48

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Nitrogen (1)	8	2022/08/09	2022/08/12	STL SOP-00077	MOE:TOTNUT-E3516v1.3
Total Organic Carbon (1, 8)	24	N/A	2022/08/05	STL SOP-00243	SM 23 5310-B m
Total Organic Carbon (1, 8)	2	N/A	2022/08/08	STL SOP-00243	SM 23 5310-B m
Total Solids Dried at 105°C (1)	10	2022/08/04	2022/08/05	STL SOP-00051	MA100-S.T. 1.1 R5 m
Total Solids Dried at 105°C (1)	16	2022/08/05	2022/08/06	STL SOP-00051	MA100-S.T. 1.1 R5 m
Turbidity	26	N/A	2022/08/03	QUE SOP-00118	MA.103–Tur. 1.0 R5m
Radium-226 Low Level (5, 9)	6	N/A	2022/08/20	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry
Radium-226 Low Level (5, 9)	20	N/A	2022/08/22	BQL SOP-00006 BQL SOP-00017 BQL SOP-00032	Alpha Spectrometry

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eaux de surface
Your C.O.C. #: 71701

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/08/31
Report #: R2785388
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C239989

Received: 2022/08/01, 16:00

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

Note: RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas - Montréal, 889 Montée de Liesse , Ville St. Laurent, QC, H4T 1P5
(2) This test was performed by Environex/Eurofins, 2350 Chemin du Lac , Longueuil, QC, J4N 1G8
(3) This test was performed by Bureau Veritas - Calgary, 4000 19th Street NE , Calgary, AB, T2E 6P8
(4) This test was performed by CEAEQ-Laval,
(5) This test was performed by Bureau Veritas - Radiological, 6790 Kitimat Rd, Unit 4 , Mississauga, ON, L5L 5L9
(6) DOC present in the sample should be considered as non-purgeable DOC
(7) Please note that the low level fluoride analysis is sensitive to the presence of polyvalent cations. This may represent a low bias in the result.
(8) TOC present in the sample should be considered as non-purgeable TOC
(9) Radium-226 results have not been corrected for blanks.

Note: All parameters included in the present certificate are accredited by the MELCC unless stated otherwise.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Madison Tremblay, Project Manager
Email: madison.tremblay@bureauveritas.com
Phone# (418)658-5784 Ext:7066426

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Job #: C239989
Report Date: 2022/08/31

Groupe Synergis
Client Project #: 22-0186
Site Location: Eaux de surface
Your P.O. #: 1020000153

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		KS7306	KS7307	KS7308	KS7309	KS7310	KS7310		
Sampling Date		2022/07/28	2022/07/28	2022/07/28	2022/07/30	2022/07/30	2022/07/30		
COC Number		71701	71701	71701	71701	71701	71701		
	Units	St-1	St-2	St-3	St-4	St-5	St-5 Lab-Dup	RDL	QC Batch
RADIONUCLIDE									
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2325018

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KS7311	KS7311	KS7312	KS7313	KS7314	KS7315	KS7316		
Sampling Date		2022/07/30	2022/07/30	2022/07/29	2022/07/29	2022/07/29	2022/07/29	2022/07/29		
COC Number		71701	71701	71701	71701	71701	71701	71701		
	Units	St-6	St-6 Lab-Dup	ST-7A Surf	ST-7A Fond	ST-7B Surf	ST-7B Fond	ST-8 Surf	RDL	QC Batch
RADIONUCLIDE										
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2325019

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KS7317	KS7318	KS7319	KS7320	KS7321	KS7322	KS7323		
Sampling Date		2022/07/29	2022/07/30	2022/07/29	2022/07/30	2022/07/30	2022/07/30	2022/07/28		
COC Number		71701	71701	71701	71701	71701	71701	71701		
	Units	ST-8 Fond	ST-9	ST-10	ST-11 Surface	ST-11 Fond	ST-12	ST-13	RDL	QC Batch
RADIONUCLIDE										
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2325019

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		KS7324	KS7325	KS7326	KS7327	KS7328	KS7329		
Sampling Date		2022/07/28	2022/07/28	2022/07/29	2022/07/30	2022/07/31	2022/07/28		
COC Number		71701	71701	71701	71701	71701	71701		
	Units	ST-14	dup-1	dup-2	dup-3	BLANC DE TRANSPORT1 LOT 22JL21-A	BT-1 LOT 22JL21-A	RDL	QC Batch
RADIONUCLIDE									
Radium-226	Bq/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	2325019

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Groupe Synergis
Client Project #: 22-0186
Site Location: Eaux de surface
Your P.O. #: 1020000153

RESULTS OF ANALYSES OF SURFACE WATER

Bureau Veritas ID		KS7330		KS7331		
Sampling Date		2022/07/29		2022/07/30		
COC Number		71701		71701		
	Units	**BT-2 LOT 22JL21-A**	**QC Batch**	**BT-3 LOT 22JL21-A**	**RDL**	**QC Batch**
RADIONUCLIDE						
Radium-226	Bq/L	<0.005	2325019	<0.005	0.005	2323636

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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HYDROCARBONS BY GCFID (SURFACE WATER)

Bureau Veritas ID		KS7306	KS7307		KS7308		KS7309	KS7310		
Sampling Date		2022/07/28	2022/07/28		2022/07/28		2022/07/30	2022/07/30		
COC Number		71701	71701		71701		71701	71701		
	Units	St-1	St-2	QC Batch	St-3	QC Batch	St-4	St-5	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	2318920	<100	2319078	<100	<100	100	2318920
Surrogate Recovery (%)										
1-Chlorooctadecane	%	82	87	2318920	88	2319078	89	123	N/A	2318920

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS7311		KS7312		KS7313		KS7314		
Sampling Date		2022/07/30		2022/07/29		2022/07/29		2022/07/29		
COC Number		71701		71701		71701		71701		
	Units	St-6	QC Batch	ST-7A Surf	QC Batch	ST-7A Fond	QC Batch	ST-7B Surf	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	2318920	<100	2319078	<100	2318920	<100	100	2319527
Surrogate Recovery (%)										
1-Chlorooctadecane	%	96	2318920	87	2319078	97	2318920	100	N/A	2319527

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS7315		KS7316		KS7317	KS7318	KS7319		
Sampling Date		2022/07/29		2022/07/29		2022/07/29	2022/07/30	2022/07/29		
COC Number		71701		71701		71701	71701	71701		
	Units	ST-7B Fond	QC Batch	ST-8 Surf	QC Batch	ST-8 Fond	ST-9	ST-10	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	2318920	<100	2319078	<100	<100	<100	100	2318920
Surrogate Recovery (%)										
1-Chlorooctadecane	%	80	2318920	81	2319078	77	74	92	N/A	2318920

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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Bureau Veritas Job #: C239989
Report Date: 2022/08/31

Groupe Synergis
Client Project #: 22-0186
Site Location: Eaux de surface
Your P.O. #: 1020000153

HYDROCARBONS BY GCFID (SURFACE WATER)

Bureau Veritas ID		KS7320	KS7321	KS7322		KS7323		KS7324		
Sampling Date		2022/07/30	2022/07/30	2022/07/30		2022/07/28		2022/07/28		
COC Number		71701	71701	71701		71701		71701		
	Units	ST-11 Surface	ST-11 Fond	ST-12	QC Batch	ST-13	QC Batch	ST-14	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	2318920	<100	2319078	<100	100	2318920
Surrogate Recovery (%)										
1-Chlorooctadecane	%	120	96	92	2318920	80	2319078	106	N/A	2318920

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS7325		KS7326		KS7327	KS7328		
Sampling Date		2022/07/28		2022/07/29		2022/07/30	2022/07/31		
COC Number		71701		71701		71701	71701		
	Units	dup-1	QC Batch	dup-2	QC Batch	dup-3	BLANC DE TRANSPORT1 LOT 22JL21-A	RDL	QC Batch
PETROLEUM HYDROCARBONS									
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	2318920	<100	2319078	<100	<100	100	2318920
Surrogate Recovery (%)									
1-Chlorooctadecane	%	109	2318920	82	2319078	153 (1)	95	N/A	2318920

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Recovery or relative percent difference (RPD) for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria

Bureau Veritas ID		KS7329	KS7330	KS7331		
Sampling Date		2022/07/28	2022/07/29	2022/07/30		
COC Number		71701	71701	71701		
	Units	BT-1 LOT 22JL21-A	BT-2 LOT 22JL21-A	BT-3 LOT 22JL21-A	RDL	QC Batch
PETROLEUM HYDROCARBONS						
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	100	2318920
Surrogate Recovery (%)						
1-Chlorooctadecane	%	93	77	90	N/A	2318920

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7306		KS7307		KS7308		KS7309		
Sampling Date		2022/07/28		2022/07/28		2022/07/28		2022/07/30		
COC Number		71701		71701		71701		71701		
	Units	St-1	QC Batch	St-2	QC Batch	St-3	QC Batch	St-4	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	87	2321837	110	2321840	84	2321840	140	5.0	2321840
Antimony (Sb) †	ug/L	0.020	2321837	0.076	2321840	0.023	2321840	0.052	0.0050	2321840
Silver (Ag) †	ug/L	<0.0030	2321837	<0.0030	2321840	<0.0030	2321840	<0.0030	0.0030	2321840
Arsenic (As) †	ug/L	0.18	2321837	0.69	2321840	0.18	2321840	0.24	0.080	2321840
Barium (Ba) †	ug/L	3.3	2321837	3.4	2321840	10	2321840	5.0	0.030	2321840
Beryllium (Be) †	ug/L	<0.010	2321837	<0.010	2321840	0.010	2321840	<0.010	0.010	2321840
Bismuth (Bi) †	ug/L	<0.0090	2321837	<0.0090	2321840	<0.0090	2321840	<0.0090	0.0090	2321840
Boron (B) †	ug/L	0.95	2321837	1.2	2321840	8.6	2321840	0.88	0.30	2321840
Cadmium (Cd) †	ug/L	0.0067	2321837	0.0090	2321840	0.031	2321840	0.0092	0.0060	2321840
Calcium (Ca) †	ug/L	1100	2321837	1300	2321840	12000	2321840	1000	20	2321840
Chromium (Cr) †	ug/L	0.14	2321837	0.25	2321840	0.18	2321840	0.18	0.040	2321840
Cobalt (Co) †	ug/L	0.071	2321837	0.13	2321840	1.4	2321840	0.097	0.0080	2321840
Copper (Cu) †	ug/L	0.42	2321837	0.46	2321840	1.2	2321840	0.50	0.050	2321840
Tin (Sn) †	ug/L	<0.050	2321837	<0.050	2321840	0.18	2321840	<0.050	0.050	2321840
Iron (Fe) †	ug/L	120	2321837	170	2321840	90	2321840	120	0.50	2321840
Lithium (Li) †	ug/L	0.86	2321837	0.91	2321840	8.6	2321840	0.82	0.10	2321840
Magnesium (Mg) †	ug/L	180	2321837	220	2321840	1300	2321840	200	10	2321840
Manganese (Mn) †	ug/L	3.3	2321837	3.9	2321840	12	2321840	3.5	0.030	2321840
Mercury (Hg) †	ug/L	<0.0020	2321837	<0.0020	2321840	<0.0020	2321840	<0.0020	0.0020	2321840
Molybdenum (Mo) †	ug/L	0.40	2321837	0.22	2321840	0.17	2321840	0.27	0.010	2321840
Nickel (Ni) †	ug/L	0.14	2321837	0.38	2321840	6.6	2321840	0.19	0.030	2321840
Lead (Pb) †	ug/L	0.093	2321837	0.12	2321840	0.084	2321840	0.23	0.010	2321840
Potassium (K) †	ug/L	190	2321837	220	2321840	660	2321840	200	10	2321840
Selenium (Se) †	ug/L	<0.050	2321837	<0.050	2321840	0.13	2321840	<0.050	0.050	2321840
Sodium (Na) †	ug/L	770	2321837	800	2321840	1700	2321840	750	10	2321840
Strontium (Sr) †	ug/L	6.9	2321837	8.4	2321840	52	2321840	7.2	0.040	2321840
Tellurium (Te) †	ug/L	<0.0050	2321837	<0.0050	2321840	<0.0050	2321840	<0.0050	0.0050	2321840
Thallium (Tl) †	ug/L	<0.010	2321837	<0.010	2321840	0.012	2321840	<0.010	0.010	2321840
Titanium (Ti) †	ug/L	<0.40	2321837	1.1	2321840	0.84	2321840	1.6	0.40	2321840
Tungsten (W) †	ug/L	<0.040	2321837	<0.040	2321840	<0.040	2321840	<0.040	0.040	2321840
Uranium (U) †	ug/L	0.14	2321837	0.12	2321840	0.058	2321840	0.40	0.0010	2321840
Vanadium (V) †	ug/L	0.16	2321837	0.25	2321840	0.12	2321840	0.33	0.050	2321840

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7306		KS7307		KS7308		KS7309		
Sampling Date		2022/07/28		2022/07/28		2022/07/28		2022/07/30		
COC Number		71701		71701		71701		71701		
	Units	St-1	QC Batch	St-2	QC Batch	St-3	QC Batch	St-4	RDL	QC Batch
Zinc (Zn) †	ug/L	2.9	2321837	2.9	2321840	15	2321840	2.1	0.50	2321840
Total Hardness (CaCO3) †	ug/L	3600	2321837	4100	2321840	36000	2321840	3400	40	2321840
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.44	2320066	0.61	2320066	0.38	2320080	0.40	0.040	2320066
Cesium (Cs) †	ug/L	0.12	2320066	0.13	2320066	1.2	2320080	0.15	0.020	2320066
Dysprosium (Dy) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320080	<0.040	0.040	2320066
Erbium (Er) †	ug/L	<0.020	2320066	<0.020	2320066	<0.020	2320080	0.022	0.020	2320066
Europium (Eu) †	ug/L	<0.020	2320066	<0.020	2320066	<0.020	2320080	<0.020	0.020	2320066
Gadolinium (Gd) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320080	<0.040	0.040	2320066
Holmium (Ho) †	ug/L	<0.015	2320066	<0.015	2320066	<0.015	2320080	<0.015	0.015	2320066
Gallium (Ga) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320080	<0.040	0.040	2320066
Lanthanum (La) †	ug/L	0.28	2320066	0.37	2320066	0.28	2320080	0.24	0.020	2320066
Lutetium (Lu) †	ug/L	<0.016	2320066	<0.016	2320066	<0.016	2320080	<0.016	0.016	2320066
Neodymium (Nd) †	ug/L	0.22	2320066	0.29	2320066	0.19	2320080	0.22	0.040	2320066
Praseodymium (Pr) †	ug/L	0.061	2320066	0.079	2320066	0.052	2320080	0.056	0.010	2320066
Rhenium (Re) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320080	<0.040	0.040	2320066
Rhodium (Rh) †	ug/L	<0.020	2320066	<0.020	2320066	<0.020	2320080	<0.020	0.020	2320066
Rubidium (Rb) †	ug/L	0.89	2320066	1.1	2320066	3.5	2320080	1.3	0.020	2320066
Samarium (Sm) †	ug/L	0.034	2320066	0.044	2320066	0.030	2320080	0.040	0.030	2320066
Scandium (Sc) †	ug/L	<0.020	2320066	0.022	2320066	0.022	2320080	0.028	0.020	2320066
Terbium (Tb) †	ug/L	<0.010	2320066	<0.010	2320066	<0.010	2320080	<0.010	0.010	2320066
Thorium (Th) †	ug/L	0.015	2320066	0.020	2320066	0.020	2320080	0.018	0.015	2320066
Thulium (Tm) †	ug/L	<0.016	2320066	<0.016	2320066	<0.016	2320080	<0.016	0.016	2320066
Ytterbium (Yb) †	ug/L	<0.070	2320066	<0.070	2320066	<0.070	2320080	<0.070	0.070	2320066
Yttrium (Y) †	ug/L	0.13	2320066	0.14	2320066	0.13	2320080	0.23	0.020	2320066

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7310		KS7311	KS7312	KS7313		KS7314		
Sampling Date		2022/07/30		2022/07/30	2022/07/29	2022/07/29		2022/07/29		
COC Number		71701		71701	71701	71701		71701		
	Units	St-5	QC Batch	St-6	ST-7A Surf	ST-7A Fond	QC Batch	ST-7B Surf	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	50	2321837	73	51	52	2321840	49	5.0	2321840
Antimony (Sb) †	ug/L	0.020	2321837	0.016	0.017	0.037	2321840	0.015	0.0050	2321840
Silver (Ag) †	ug/L	<0.0030	2321837	<0.0030	<0.0030	<0.0030	2321840	<0.0030	0.0030	2321840
Arsenic (As) †	ug/L	0.21	2321837	0.23	0.21	0.22	2321840	0.21	0.080	2321840
Barium (Ba) †	ug/L	3.8	2321837	5.6	3.5	3.7	2321840	3.4	0.030	2321840
Beryllium (Be) †	ug/L	<0.010	2321837	<0.010	<0.010	<0.010	2321840	<0.010	0.010	2321840
Bismuth (Bi) †	ug/L	<0.0090	2321837	<0.0090	<0.0090	<0.0090	2321840	<0.0090	0.0090	2321840
Boron (B) †	ug/L	0.89	2321837	2.0	0.86	0.86	2321840	0.87	0.30	2321840
Cadmium (Cd) †	ug/L	<0.0060	2321837	0.0096	<0.0060	<0.0060	2321840	<0.0060	0.0060	2321840
Calcium (Ca) †	ug/L	1600	2321837	2800	1600	1500	2321840	1600	20	2321840
Chromium (Cr) †	ug/L	0.17	2321837	0.21	0.18	0.17	2321840	0.17	0.040	2321840
Cobalt (Co) †	ug/L	0.033	2321837	0.21	0.025	0.024	2321840	0.024	0.0080	2321840
Copper (Cu) †	ug/L	0.26	2321837	0.40	0.19	0.38	2321840	0.20	0.050	2321840
Tin (Sn) †	ug/L	<0.050	2321837	<0.050	0.056	5.7	2321840	<0.050	0.050	2321840
Iron (Fe) †	ug/L	92	2321837	140	89	92	2321840	88	0.50	2321840
Lithium (Li) †	ug/L	0.38	2321837	2.4	0.29	0.33	2321840	0.31	0.10	2321840
Magnesium (Mg) †	ug/L	430	2321837	560	450	460	2321840	460	10	2321840
Manganese (Mn) †	ug/L	4.6	2321837	6.9	5.2	5.4	2321840	5.2	0.030	2321840
Mercury (Hg) †	ug/L	<0.0020	2321837	<0.0020	<0.0020	<0.0020	2321840	<0.0020	0.0020	2321840
Molybdenum (Mo) †	ug/L	0.11	2321837	0.15	0.078	0.079	2321840	0.078	0.010	2321840
Nickel (Ni) †	ug/L	0.15	2321837	0.84	0.15	0.14	2321840	0.13	0.030	2321840
Lead (Pb) †	ug/L	0.051	2321837	0.093	0.061	0.076	2321840	0.057	0.010	2321840
Potassium (K) †	ug/L	230	2321837	280	220	220	2321840	230	10	2321840
Selenium (Se) †	ug/L	<0.050	2321837	0.055	<0.050	<0.050	2321840	<0.050	0.050	2321840
Sodium (Na) †	ug/L	660	2321837	890	640	660	2321840	660	10	2321840
Strontium (Sr) †	ug/L	8.8	2321837	15	8.7	8.9	2321840	8.9	0.040	2321840
Tellurium (Te) †	ug/L	0.0060	2321837	<0.0050	<0.0050	<0.0050	2321840	<0.0050	0.0050	2321840
Thallium (Tl) †	ug/L	<0.010	2321837	<0.010	<0.010	<0.010	2321840	<0.010	0.010	2321840
Titanium (Ti) †	ug/L	<0.40	2321837	<0.40	0.47	0.54	2321840	<0.40	0.40	2321840
Tungsten (W) †	ug/L	<0.040	2321837	<0.040	<0.040	<0.040	2321840	<0.040	0.040	2321840
Uranium (U) †	ug/L	0.14	2321837	0.093	0.071	0.074	2321840	0.071	0.0010	2321840
Vanadium (V) †	ug/L	0.097	2321837	0.11	0.093	0.093	2321840	0.088	0.050	2321840

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7310		KS7311	KS7312	KS7313		KS7314		
Sampling Date		2022/07/30		2022/07/30	2022/07/29	2022/07/29		2022/07/29		
COC Number		71701		71701	71701	71701		71701		
	Units	St-5	QC Batch	St-6	ST-7A Surf	ST-7A Fond	QC Batch	ST-7B Surf	RDL	QC Batch
Zinc (Zn) †	ug/L	0.65	2321837	2.3	25	1.5	2321840	0.71	0.50	2321840
Total Hardness (CaCO3) †	ug/L	5600	2321837	9300	5800	5700	2321840	5800	40	2321840
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.30	2320066	0.37	0.26	0.25	2320066	0.26	0.040	2320080
Cesium (Cs) †	ug/L	0.060	2320066	0.28	0.033	0.032	2320066	0.032	0.020	2320080
Dysprosium (Dy) †	ug/L	<0.040	2320066	<0.040	<0.040	<0.040	2320066	<0.040	0.040	2320080
Erbium (Er) †	ug/L	<0.020	2320066	<0.020	<0.020	<0.020	2320066	<0.020	0.020	2320080
Europium (Eu) †	ug/L	<0.020	2320066	<0.020	<0.020	<0.020	2320066	<0.020	0.020	2320080
Gadolinium (Gd) †	ug/L	<0.040	2320066	<0.040	<0.040	<0.040	2320066	<0.040	0.040	2320080
Holmium (Ho) †	ug/L	<0.015	2320066	<0.015	<0.015	<0.015	2320066	<0.015	0.015	2320080
Gallium (Ga) †	ug/L	<0.040	2320066	<0.040	<0.040	<0.040	2320066	<0.040	0.040	2320080
Lanthanum (La) †	ug/L	0.20	2320066	0.24	0.18	0.17	2320066	0.17	0.020	2320080
Lutetium (Lu) †	ug/L	<0.016	2320066	<0.016	<0.016	<0.016	2320066	<0.016	0.016	2320080
Neodymium (Nd) †	ug/L	0.16	2320066	0.19	0.14	0.13	2320066	0.14	0.040	2320080
Praseodymium (Pr) †	ug/L	0.043	2320066	0.052	0.038	0.037	2320066	0.038	0.010	2320080
Rhenium (Re) †	ug/L	<0.040	2320066	<0.040	<0.040	<0.040	2320066	<0.040	0.040	2320080
Rhodium (Rh) †	ug/L	<0.020	2320066	<0.020	<0.020	<0.020	2320066	<0.020	0.020	2320080
Rubidium (Rb) †	ug/L	0.98	2320066	1.3	0.85	0.85	2320066	0.74	0.020	2320080
Samarium (Sm) †	ug/L	<0.030	2320066	0.033	<0.030	<0.030	2320066	<0.030	0.030	2320080
Scandium (Sc) †	ug/L	0.020	2320066	0.025	<0.020	<0.020	2320066	<0.020	0.020	2320080
Terbium (Tb) †	ug/L	<0.010	2320066	<0.010	<0.010	<0.010	2320066	<0.010	0.010	2320080
Thorium (Th) †	ug/L	<0.015	2320066	0.019	<0.015	<0.015	2320066	<0.015	0.015	2320080
Thulium (Tm) †	ug/L	<0.016	2320066	<0.016	<0.016	<0.016	2320066	<0.016	0.016	2320080
Ytterbium (Yb) †	ug/L	<0.070	2320066	<0.070	<0.070	<0.070	2320066	<0.070	0.070	2320080
Yttrium (Y) †	ug/L	0.10	2320066	0.12	0.084	0.078	2320066	0.079	0.020	2320080

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7315		KS7316		KS7317	KS7318		
Sampling Date		2022/07/29		2022/07/29		2022/07/29	2022/07/30		
COC Number		71701		71701		71701	71701		
	Units	ST-7B Fond	QC Batch	ST-8 Surf	QC Batch	ST-8 Fond	ST-9	RDL	QC Batch
METALS									
Aluminum (Al) †	ug/L	49	2321840	50	2321840	54	49	5.0	2321837
Antimony (Sb) †	ug/L	0.018	2321840	0.018	2321840	0.018	0.022	0.0050	2321837
Silver (Ag) †	ug/L	<0.0030	2321840	<0.0030	2321840	<0.0030	<0.0030	0.0030	2321837
Arsenic (As) †	ug/L	0.23	2321840	0.18	2321840	0.26	0.21	0.080	2321837
Barium (Ba) †	ug/L	3.3	2321840	3.4	2321840	3.5	3.1	0.030	2321837
Beryllium (Be) †	ug/L	<0.010	2321840	<0.010	2321840	<0.010	<0.010	0.010	2321837
Bismuth (Bi) †	ug/L	<0.0090	2321840	<0.0090	2321840	<0.0090	<0.0090	0.0090	2321837
Boron (B) †	ug/L	0.87	2321840	0.85	2321840	0.87	0.82	0.30	2321837
Cadmium (Cd) †	ug/L	<0.0060	2321840	<0.0060	2321840	0.0071	<0.0060	0.0060	2321837
Calcium (Ca) †	ug/L	1600	2321840	1600	2321840	1600	1500	20	2321837
Chromium (Cr) †	ug/L	0.17	2321840	0.14	2321840	0.18	0.15	0.040	2321837
Cobalt (Co) †	ug/L	0.024	2321840	0.026	2321840	0.029	0.020	0.0080	2321837
Copper (Cu) †	ug/L	1.0	2321840	0.19	2321840	0.73	0.23	0.050	2321837
Tin (Sn) †	ug/L	4.0	2321840	<0.050	2321840	5.1	<0.050	0.050	2321837
Iron (Fe) †	ug/L	89	2321840	89	2321840	100	61	0.50	2321837
Lithium (Li) †	ug/L	0.33	2321840	0.30	2321840	0.32	0.33	0.10	2321837
Magnesium (Mg) †	ug/L	460	2321840	460	2321840	450	450	10	2321837
Manganese (Mn) †	ug/L	5.3	2321840	5.2	2321840	6.1	2.8	0.030	2321837
Mercury (Hg) †	ug/L	<0.0020	2321840	<0.0020	2321840	<0.0020	<0.0020	0.0020	2321837
Molybdenum (Mo) †	ug/L	0.078	2321840	0.080	2321840	0.087	0.081	0.010	2321837
Nickel (Ni) †	ug/L	0.13	2321840	0.14	2321840	0.20	0.13	0.030	2321837
Lead (Pb) †	ug/L	0.060	2321840	0.062	2321840	0.074	0.037	0.010	2321837
Potassium (K) †	ug/L	220	2321840	220	2321840	220	220	10	2321837
Selenium (Se) †	ug/L	<0.050	2321840	<0.050	2321840	<0.050	<0.050	0.050	2321837
Sodium (Na) †	ug/L	670	2321840	650	2321840	660	630	10	2321837
Strontium (Sr) †	ug/L	8.8	2321840	8.8	2321840	8.8	8.5	0.040	2321837
Tellurium (Te) †	ug/L	<0.0050	2321840	<0.0050	2321840	<0.0050	<0.0050	0.0050	2321837
Thallium (Tl) †	ug/L	<0.010	2321840	<0.010	2321840	<0.010	<0.010	0.010	2321837
Titanium (Ti) †	ug/L	0.66	2321840	0.53	2321840	0.83	0.63	0.40	2321837
Tungsten (W) †	ug/L	<0.040	2321840	<0.040	2321840	<0.040	<0.040	0.040	2321837
Uranium (U) †	ug/L	0.072	2321840	0.071	2321840	0.072	0.071	0.0010	2321837
Vanadium (V) †	ug/L	0.088	2321840	0.086	2321840	0.10	0.070	0.050	2321837

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7315		KS7316		KS7317	KS7318		
Sampling Date		2022/07/29		2022/07/29		2022/07/29	2022/07/30		
COC Number		71701		71701		71701	71701		
	Units	ST-7B Fond	QC Batch	ST-8 Surf	QC Batch	ST-8 Fond	ST-9	RDL	QC Batch
Zinc (Zn) †	ug/L	2.5	2321840	0.58	2321840	9.2	0.92	0.50	2321837
Total Hardness (CaCO3) †	ug/L	5800	2321840	5800	2321840	5800	5700	40	2321837
METALS ICP-MS									
Cerium (Ce) †	ug/L	0.25	2320066	0.25	2320080	0.26	0.24	0.040	2320080
Cesium (Cs) †	ug/L	0.033	2320066	0.032	2320080	0.028	0.039	0.020	2320080
Dysprosium (Dy) †	ug/L	<0.040	2320066	<0.040	2320080	<0.040	<0.040	0.040	2320080
Erbium (Er) †	ug/L	<0.020	2320066	<0.020	2320080	<0.020	<0.020	0.020	2320080
Europium (Eu) †	ug/L	<0.020	2320066	<0.020	2320080	<0.020	<0.020	0.020	2320080
Gadolinium (Gd) †	ug/L	<0.040	2320066	<0.040	2320080	<0.040	<0.040	0.040	2320080
Holmium (Ho) †	ug/L	<0.015	2320066	<0.015	2320080	<0.015	<0.015	0.015	2320080
Gallium (Ga) †	ug/L	<0.040	2320066	<0.040	2320080	<0.040	<0.040	0.040	2320080
Lanthanum (La) †	ug/L	0.17	2320066	0.17	2320080	0.17	0.16	0.020	2320080
Lutetium (Lu) †	ug/L	<0.016	2320066	<0.016	2320080	<0.016	<0.016	0.016	2320080
Neodymium (Nd) †	ug/L	0.14	2320066	0.13	2320080	0.14	0.13	0.040	2320080
Praseodymium (Pr) †	ug/L	0.038	2320066	0.037	2320080	0.037	0.035	0.010	2320080
Rhenium (Re) †	ug/L	<0.040	2320066	<0.040	2320080	<0.040	<0.040	0.040	2320080
Rhodium (Rh) †	ug/L	<0.020	2320066	<0.020	2320080	<0.020	<0.020	0.020	2320080
Rubidium (Rb) †	ug/L	0.84	2320066	0.72	2320080	0.71	0.73	0.020	2320080
Samarium (Sm) †	ug/L	<0.030	2320066	<0.030	2320080	<0.030	<0.030	0.030	2320080
Scandium (Sc) †	ug/L	<0.020	2320066	<0.020	2320080	<0.020	<0.020	0.020	2320080
Terbium (Tb) †	ug/L	<0.010	2320066	<0.010	2320080	<0.010	<0.010	0.010	2320080
Thorium (Th) †	ug/L	<0.015	2320066	<0.015	2320080	<0.015	<0.015	0.015	2320080
Thulium (Tm) †	ug/L	<0.016	2320066	<0.016	2320080	<0.016	<0.016	0.016	2320080
Ytterbium (Yb) †	ug/L	<0.070	2320066	<0.070	2320080	<0.070	<0.070	0.070	2320080
Yttrium (Y) †	ug/L	0.079	2320066	0.076	2320080	0.079	0.074	0.020	2320080

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7319		KS7320		KS7321		KS7322		
Sampling Date		2022/07/29		2022/07/30		2022/07/30		2022/07/30		
COC Number		71701		71701		71701		71701		
	Units	ST-10	QC Batch	ST-11 Surface	QC Batch	ST-11 Fond	QC Batch	ST-12	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	70	2321840	46	2321830	84	2321837	47	5.0	2321830
Antimony (Sb) †	ug/L	0.016	2321840	0.026	2321830	0.020	2321837	0.017	0.0050	2321830
Silver (Ag) †	ug/L	<0.0030	2321840	<0.0030	2321830	<0.0030	2321837	<0.0030	0.0030	2321830
Arsenic (As) †	ug/L	0.21	2321840	0.20	2321830	0.30	2321837	0.21	0.080	2321830
Barium (Ba) †	ug/L	2.2	2321840	3.4	2321830	4.2	2321837	3.3	0.030	2321830
Beryllium (Be) †	ug/L	<0.010	2321840	<0.010	2321830	<0.010	2321837	<0.010	0.010	2321830
Bismuth (Bi) †	ug/L	<0.0090	2321840	<0.0090	2321830	<0.0090	2321837	<0.0090	0.0090	2321830
Boron (B) †	ug/L	0.72	2321840	0.79	2321830	0.81	2321837	0.78	0.30	2321830
Cadmium (Cd) †	ug/L	0.0063	2321840	<0.0060	2321830	0.0078	2321837	<0.0060	0.0060	2321830
Calcium (Ca) †	ug/L	1100	2321840	1500	2321830	1600	2321837	1500	20	2321830
Chromium (Cr) †	ug/L	0.18	2321840	0.15	2321830	0.23	2321837	0.14	0.040	2321830
Cobalt (Co) †	ug/L	0.039	2321840	0.017	2321830	0.063	2321837	0.016	0.0080	2321830
Copper (Cu) †	ug/L	0.19	2321840	0.18	2321830	0.48	2321837	0.22	0.050	2321830
Tin (Sn) †	ug/L	<0.050	2321840	<0.050	2321830	1.8	2321837	<0.050	0.050	2321830
Iron (Fe) †	ug/L	130	2321840	62	2321830	320	2321837	64	0.50	2321830
Lithium (Li) †	ug/L	0.65	2321840	0.30	2321830	0.36	2321837	0.31	0.10	2321830
Magnesium (Mg) †	ug/L	270	2321840	450	2321830	460	2321837	460	10	2321830
Manganese (Mn) †	ug/L	4.0	2321840	2.9	2321830	16	2321837	2.9	0.030	2321830
Mercury (Hg) †	ug/L	<0.0020	2321840	<0.0020	2321830	<0.0020	2321837	<0.0020	0.0020	2321830
Molybdenum (Mo) †	ug/L	0.095	2321840	0.077	2321830	0.065	2321837	0.075	0.010	2321830
Nickel (Ni) †	ug/L	0.12	2321840	0.12	2321830	0.18	2321837	0.17	0.030	2321830
Lead (Pb) †	ug/L	0.057	2321840	0.037	2321830	0.23	2321837	0.035	0.010	2321830
Potassium (K) †	ug/L	200	2321840	220	2321830	230	2321837	230	10	2321830
Selenium (Se) †	ug/L	<0.050	2321840	<0.050	2321830	<0.050	2321837	<0.050	0.050	2321830
Sodium (Na) †	ug/L	720	2321840	640	2321830	640	2321837	650	10	2321830
Strontium (Sr) †	ug/L	7.7	2321840	8.4	2321830	9.0	2321837	8.5	0.040	2321830
Tellurium (Te) †	ug/L	<0.0050	2321840	<0.0050	2321830	<0.0050	2321837	<0.0050	0.0050	2321830
Thallium (Tl) †	ug/L	<0.010	2321840	<0.010	2321830	<0.010	2321837	<0.010	0.010	2321830
Titanium (Ti) †	ug/L	0.74	2321840	0.45	2321830	1.2	2321837	<0.40	0.40	2321830
Tungsten (W) †	ug/L	<0.040	2321840	<0.040	2321830	<0.040	2321837	<0.040	0.040	2321830
Uranium (U) †	ug/L	0.24	2321840	0.071	2321830	0.077	2321837	0.072	0.0010	2321830
Vanadium (V) †	ug/L	0.13	2321840	0.066	2321830	0.19	2321837	0.070	0.050	2321830

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7319		KS7320		KS7321		KS7322		
Sampling Date		2022/07/29		2022/07/30		2022/07/30		2022/07/30		
COC Number		71701		71701		71701		71701		
	Units	ST-10	QC Batch	ST-11 Surface	QC Batch	ST-11 Fond	QC Batch	ST-12	RDL	QC Batch
Zinc (Zn) †	ug/L	0.81	2321840	0.62	2321830	2.0	2321837	0.58	0.50	2321830
Total Hardness (CaCO3) †	ug/L	3800	2321840	5600	2321830	5800	2321837	5700	40	2321830
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.36	2320066	0.24	2320066	0.65	2320083	0.23	0.040	2320080
Cesium (Cs) †	ug/L	0.065	2320066	0.032	2320066	0.052	2320083	0.031	0.020	2320080
Dysprosium (Dy) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320083	<0.040	0.040	2320080
Erbium (Er) †	ug/L	<0.020	2320066	<0.020	2320066	<0.020	2320083	<0.020	0.020	2320080
Europium (Eu) †	ug/L	<0.020	2320066	<0.020	2320066	<0.020	2320083	<0.020	0.020	2320080
Gadolinium (Gd) †	ug/L	<0.040	2320066	<0.040	2320066	0.043	2320083	<0.040	0.040	2320080
Holmium (Ho) †	ug/L	<0.015	2320066	<0.015	2320066	<0.015	2320083	<0.015	0.015	2320080
Gallium (Ga) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320083	<0.040	0.040	2320080
Lanthanum (La) †	ug/L	0.23	2320066	0.17	2320066	0.38	2320083	0.16	0.020	2320080
Lutetium (Lu) †	ug/L	<0.016	2320066	<0.016	2320066	<0.016	2320083	<0.016	0.016	2320080
Neodymium (Nd) †	ug/L	0.18	2320066	0.13	2320066	0.33	2320083	0.13	0.040	2320080
Praseodymium (Pr) †	ug/L	0.048	2320066	0.036	2320066	0.087	2320083	0.035	0.010	2320080
Rhenium (Re) †	ug/L	<0.040	2320066	<0.040	2320066	<0.040	2320083	<0.040	0.040	2320080
Rhodium (Rh) †	ug/L	<0.020	2320066	<0.020	2320066	<0.020	2320083	<0.020	0.020	2320080
Rubidium (Rb) †	ug/L	1.0	2320066	0.85	2320066	0.75	2320083	0.71	0.020	2320080
Samarium (Sm) †	ug/L	<0.030	2320066	<0.030	2320066	0.050	2320083	<0.030	0.030	2320080
Scandium (Sc) †	ug/L	<0.020	2320066	<0.020	2320066	0.026	2320083	<0.020	0.020	2320080
Terbium (Tb) †	ug/L	<0.010	2320066	<0.010	2320066	<0.010	2320083	<0.010	0.010	2320080
Thorium (Th) †	ug/L	0.022	2320066	<0.015	2320066	0.018	2320083	<0.015	0.015	2320080
Thulium (Tm) †	ug/L	<0.016	2320066	<0.016	2320066	<0.016	2320083	<0.016	0.016	2320080
Ytterbium (Yb) †	ug/L	<0.070	2320066	<0.070	2320066	<0.070	2320083	<0.070	0.070	2320080
Yttrium (Y) †	ug/L	0.11	2320066	0.076	2320066	0.16	2320083	0.073	0.020	2320080

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7323	KS7324	KS7325		KS7326		KS7327		
Sampling Date		2022/07/28	2022/07/28	2022/07/28		2022/07/29		2022/07/30		
COC Number		71701	71701	71701		71701		71701		
	Units	ST-13	ST-14	dup-1	QC Batch	dup-2	QC Batch	dup-3	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	230	110	85	2321830	51	2321837	60	5.0	2321830
Antimony (Sb) †	ug/L	0.022	0.077	0.014	2321830	0.020	2321837	0.018	0.0050	2321830
Silver (Ag) †	ug/L	<0.0030	<0.0030	<0.0030	2321830	<0.0030	2321837	<0.0030	0.0030	2321830
Arsenic (As) †	ug/L	0.36	0.65	0.18	2321830	0.21	2321837	0.23	0.080	2321830
Barium (Ba) †	ug/L	5.4	3.3	3.2	2321830	3.3	2321837	3.7	0.030	2321830
Beryllium (Be) †	ug/L	0.016	<0.010	<0.010	2321830	<0.010	2321837	<0.010	0.010	2321830
Bismuth (Bi) †	ug/L	<0.0090	<0.0090	<0.0090	2321830	<0.0090	2321837	<0.0090	0.0090	2321830
Boron (B) †	ug/L	0.70	1.2	0.93	2321830	0.86	2321837	1.3	0.30	2321830
Cadmium (Cd) †	ug/L	0.012	0.0069	0.0066	2321830	<0.0060	2321837	<0.0060	0.0060	2321830
Calcium (Ca) †	ug/L	1100	1300	1100	2321830	1600	2321837	1800	20	2321830
Chromium (Cr) †	ug/L	0.42	0.27	0.13	2321830	0.16	2321837	0.12	0.040	2321830
Cobalt (Co) †	ug/L	0.53	0.13	0.067	2321830	0.025	2321837	0.022	0.0080	2321830
Copper (Cu) †	ug/L	0.94	0.44	0.39	2321830	0.20	2321837	0.23	0.050	2321830
Tin (Sn) †	ug/L	<0.050	<0.050	<0.050	2321830	<0.050	2321837	<0.050	0.050	2321830
Iron (Fe) †	ug/L	830	200	110	2321830	88	2321837	81	0.50	2321830
Lithium (Li) †	ug/L	1.6	0.98	0.85	2321830	0.31	2321837	0.40	0.10	2321830
Magnesium (Mg) †	ug/L	270	220	180	2321830	460	2321837	530	10	2321830
Manganese (Mn) †	ug/L	19	4.2	3.2	2321830	5.2	2321837	3.3	0.030	2321830
Mercury (Hg) †	ug/L	<0.0020	<0.0020	<0.0020	2321830	<0.0020	2321837	<0.0020	0.0020	2321830
Molybdenum (Mo) †	ug/L	0.28	0.23	0.39	2321830	0.076	2321837	0.089	0.010	2321830
Nickel (Ni) †	ug/L	0.64	0.40	0.13	2321830	0.13	2321837	0.17	0.030	2321830
Lead (Pb) †	ug/L	0.19	0.13	0.089	2321830	0.058	2321837	0.038	0.010	2321830
Potassium (K) †	ug/L	140	240	210	2321830	220	2321837	250	10	2321830
Selenium (Se) †	ug/L	<0.050	0.061	0.055	2321830	<0.050	2321837	0.053	0.050	2321830
Sodium (Na) †	ug/L	670	820	810	2321830	630	2321837	580	10	2321830
Strontium (Sr) †	ug/L	6.9	8.3	6.9	2321830	8.7	2321837	8.7	0.040	2321830
Tellurium (Te) †	ug/L	<0.0050	<0.0050	<0.0050	2321830	<0.0050	2321837	<0.0050	0.0050	2321830
Thallium (Tl) †	ug/L	<0.010	<0.010	<0.010	2321830	<0.010	2321837	<0.010	0.010	2321830
Titanium (Ti) †	ug/L	2.8	1.3	<0.40	2321830	0.50	2321837	<0.40	0.40	2321830
Tungsten (W) †	ug/L	<0.040	<0.040	<0.040	2321830	<0.040	2321837	<0.040	0.040	2321830
Uranium (U) †	ug/L	0.15	0.12	0.14	2321830	0.070	2321837	0.082	0.0010	2321830
Vanadium (V) †	ug/L	0.29	0.26	0.16	2321830	0.091	2321837	0.091	0.050	2321830

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7323	KS7324	KS7325		KS7326		KS7327		
Sampling Date		2022/07/28	2022/07/28	2022/07/28		2022/07/29		2022/07/30		
COC Number		71701	71701	71701		71701		71701		
	Units	ST-13	ST-14	dup-1	QC Batch	dup-2	QC Batch	dup-3	RDL	QC Batch
Zinc (Zn) †	ug/L	3.2	1.4	1.5	2321830	0.69	2321837	<0.50	0.50	2321830
Total Hardness (CaCO3) †	ug/L	3900	4200	3500	2321830	5800	2321837	6600	40	2321830
METALS ICP-MS										
Cerium (Ce) †	ug/L	1.1	0.58	0.44	2320080	0.25	2320080	0.23	0.040	2320083
Cesium (Cs) †	ug/L	0.15	0.13	0.12	2320080	0.032	2320080	0.036	0.020	2320083
Dysprosium (Dy) †	ug/L	0.057	<0.040	<0.040	2320080	<0.040	2320080	<0.040	0.040	2320083
Erbium (Er) †	ug/L	0.033	<0.020	<0.020	2320080	<0.020	2320080	<0.020	0.020	2320083
Europium (Eu) †	ug/L	<0.020	<0.020	<0.020	2320080	<0.020	2320080	<0.020	0.020	2320083
Gadolinium (Gd) †	ug/L	0.072	<0.040	<0.040	2320080	<0.040	2320080	<0.040	0.040	2320083
Holmium (Ho) †	ug/L	<0.015	<0.015	<0.015	2320080	<0.015	2320080	<0.015	0.015	2320083
Gallium (Ga) †	ug/L	<0.040	<0.040	<0.040	2320080	<0.040	2320080	<0.040	0.040	2320083
Lanthanum (La) †	ug/L	0.55	0.35	0.29	2320080	0.17	2320080	0.16	0.020	2320083
Lutetium (Lu) †	ug/L	<0.016	<0.016	<0.016	2320080	<0.016	2320080	<0.016	0.016	2320083
Neodymium (Nd) †	ug/L	0.46	0.28	0.22	2320080	0.13	2320080	0.13	0.040	2320083
Praseodymium (Pr) †	ug/L	0.12	0.074	0.059	2320080	0.036	2320080	0.036	0.010	2320083
Rhenium (Re) †	ug/L	<0.040	<0.040	<0.040	2320080	<0.040	2320080	<0.040	0.040	2320083
Rhodium (Rh) †	ug/L	<0.020	<0.020	<0.020	2320080	<0.020	2320080	<0.020	0.020	2320083
Rubidium (Rb) †	ug/L	0.86	0.94	0.77	2320080	0.71	2320080	0.70	0.020	2320083
Samarium (Sm) †	ug/L	0.082	0.044	0.035	2320080	<0.030	2320080	<0.030	0.030	2320083
Scandium (Sc) †	ug/L	0.044	0.029	<0.020	2320080	<0.020	2320080	0.020	0.020	2320083
Terbium (Tb) †	ug/L	0.010	<0.010	<0.010	2320080	<0.010	2320080	<0.010	0.010	2320083
Thorium (Th) †	ug/L	0.057	0.022	0.016	2320080	<0.015	2320080	<0.015	0.015	2320083
Thulium (Tm) †	ug/L	<0.016	<0.016	<0.016	2320080	<0.016	2320080	<0.016	0.016	2320083
Ytterbium (Yb) †	ug/L	<0.070	<0.070	<0.070	2320080	<0.070	2320080	<0.070	0.070	2320083
Yttrium (Y) †	ug/L	0.36	0.13	0.13	2320080	0.078	2320080	0.073	0.020	2320083

RDL = Reportable Detection Limit
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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7328	KS7329	KS7330	KS7331		
Sampling Date		2022/07/31	2022/07/28	2022/07/29	2022/07/30		
COC Number		71701	71701	71701	71701		
	Units	BLANC DE TRANSPORT1 LOT 22JL21-A	BT-1 LOT 22JL21-A	BT-2 LOT 22JL21-A	BT-3 LOT 22JL21-A	RDL	QC Batch
METALS							
Aluminum (Al) †	ug/L	<5.0	<5.0	<5.0	<5.0	5.0	2321830
Antimony (Sb) †	ug/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	2321830
Silver (Ag) †	ug/L	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	2321830
Arsenic (As) †	ug/L	<0.080	<0.080	<0.080	<0.080	0.080	2321830
Barium (Ba) †	ug/L	0.081	<0.030	<0.030	0.057	0.030	2321830
Beryllium (Be) †	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	2321830
Bismuth (Bi) †	ug/L	<0.0090	<0.0090	<0.0090	<0.0090	0.0090	2321830
Boron (B) †	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	2321830
Cadmium (Cd) †	ug/L	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	2321830
Calcium (Ca) †	ug/L	<20	<20	<20	<20	20	2321830
Chromium (Cr) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2321830
Cobalt (Co) †	ug/L	<0.0080	<0.0080	<0.0080	<0.0080	0.0080	2321830
Copper (Cu) †	ug/L	<0.050	<0.050	<0.050	<0.050	0.050	2321830
Tin (Sn) †	ug/L	<0.050	<0.050	<0.050	<0.050	0.050	2321830
Iron (Fe) †	ug/L	0.98	1.5	<0.50	0.55	0.50	2321830
Lithium (Li) †	ug/L	<0.10	<0.10	<0.10	<0.10	0.10	2321830
Magnesium (Mg) †	ug/L	<10	<10	<10	<10	10	2321830
Manganese (Mn) †	ug/L	<0.030	<0.030	<0.030	0.058	0.030	2321830
Mercury (Hg) †	ug/L	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	2321830
Molybdenum (Mo) †	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	2321830
Nickel (Ni) †	ug/L	<0.030	<0.030	<0.030	0.11	0.030	2321830
Lead (Pb) †	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	2321830
Potassium (K) †	ug/L	<10	<10	<10	<10	10	2321830
Selenium (Se) †	ug/L	<0.050	<0.050	<0.050	<0.050	0.050	2321830
Sodium (Na) †	ug/L	<10	<10	<10	<10	10	2321830
Strontium (Sr) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2321830
Tellurium (Te) †	ug/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	2321830
Thallium (Tl) †	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	2321830
Titanium (Ti) †	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	2321830
Tungsten (W) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2321830
Uranium (U) †	ug/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	2321830
Vanadium (V) †	ug/L	<0.050	<0.050	<0.050	<0.050	0.050	2321830

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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TOTAL EXTRACTABLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7328	KS7329	KS7330	KS7331		
Sampling Date		2022/07/31	2022/07/28	2022/07/29	2022/07/30		
COC Number		71701	71701	71701	71701		
	Units	BLANC DE TRANSPORT1 LOT 22JL21-A	BT-1 LOT 22JL21-A	BT-2 LOT 22JL21-A	BT-3 LOT 22JL21-A	RDL	QC Batch
Zinc (Zn) †	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	2321830
Total Hardness (CaCO3) †	ug/L	<40	<40	<40	<40	40	2321830
METALS ICP-MS							
Cerium (Ce) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2320083
Cesium (Cs) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Dysprosium (Dy) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2320083
Erbium (Er) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Europium (Eu) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Gadolinium (Gd) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2320083
Holmium (Ho) †	ug/L	<0.015	<0.015	<0.015	<0.015	0.015	2320083
Gallium (Ga) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2320083
Lanthanum (La) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Lutetium (Lu) †	ug/L	<0.016	<0.016	<0.016	<0.016	0.016	2320083
Neodymium (Nd) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2320083
Praseodymium (Pr) †	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	2320083
Rhenium (Re) †	ug/L	<0.040	<0.040	<0.040	<0.040	0.040	2320083
Rhodium (Rh) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Rubidium (Rb) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Samarium (Sm) †	ug/L	<0.030	<0.030	<0.030	<0.030	0.030	2320083
Scandium (Sc) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083
Terbium (Tb) †	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	2320083
Thorium (Th) †	ug/L	<0.015	<0.015	<0.015	<0.015	0.015	2320083
Thulium (Tm) †	ug/L	<0.016	<0.016	<0.016	<0.016	0.016	2320083
Ytterbium (Yb) †	ug/L	<0.070	<0.070	<0.070	<0.070	0.070	2320083
Yttrium (Y) †	ug/L	<0.020	<0.020	<0.020	<0.020	0.020	2320083

RDL = Reportable Detection Limit
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† Parameter is not accreditable

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ACID SOLUBLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7306		KS7307		KS7308		KS7309		
Sampling Date		2022/07/28		2022/07/28		2022/07/28		2022/07/30		
COC Number		71701		71701		71701		71701		
	Units	St-1	QC Batch	St-2	QC Batch	St-3	QC Batch	St-4	RDL	QC Batch
METALS										
Mercury (Hg) †	ug/L	<0.0013	2319076	<0.0013	2319060	<0.0013	2319063	<0.0013	0.0013	2319076

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

Bureau Veritas ID		KS7310		KS7311		KS7312		KS7313		
Sampling Date		2022/07/30		2022/07/30		2022/07/29		2022/07/29		
COC Number		71701		71701		71701		71701		
	Units	St-5	QC Batch	St-6	QC Batch	ST-7A Surf	QC Batch	ST-7A Fond	RDL	QC Batch
METALS										
Mercury (Hg) †	ug/L	<0.0013	2319060	<0.0013	2319063	<0.0013	2319060	<0.0013	0.0013	2319063

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

Bureau Veritas ID		KS7314		KS7315		KS7316		KS7317		
Sampling Date		2022/07/29		2022/07/29		2022/07/29		2022/07/29		
COC Number		71701		71701		71701		71701		
	Units	ST-7B Surf	QC Batch	ST-7B Fond	QC Batch	ST-8 Surf	QC Batch	ST-8 Fond	RDL	QC Batch
METALS										
Mercury (Hg) †	ug/L	<0.0013	2319060	<0.0013	2319063	<0.0013	2319076	<0.0013	0.0013	2319063

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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ACID SOLUBLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7318	KS7319		KS7320		KS7321		
Sampling Date		2022/07/30	2022/07/29		2022/07/30		2022/07/30		
COC Number		71701	71701		71701		71701		
	Units	ST-9	ST-10	QC Batch	ST-11 Surface	QC Batch	ST-11 Fond	RDL	QC Batch
METALS									
Mercury (Hg) †	ug/L	<0.0013	<0.0013	2319060	<0.0013	2319063	<0.0013	0.0013	2319060

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

Bureau Veritas ID		KS7322	KS7323		KS7324	KS7325		KS7326		
Sampling Date		2022/07/30	2022/07/28		2022/07/28	2022/07/28		2022/07/29		
COC Number		71701	71701		71701	71701		71701		
	Units	ST-12	ST-13	QC Batch	ST-14	dup-1	QC Batch	dup-2	RDL	QC Batch
METALS										
Mercury (Hg) †	ug/L	<0.0013	<0.0013	2319063	<0.0013	<0.0013	2319076	<0.0013	0.0013	2319060

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

Bureau Veritas ID		KS7327		KS7328		KS7329		
Sampling Date		2022/07/30		2022/07/31		2022/07/28		
COC Number		71701		71701		71701		
	Units	dup-3	QC Batch	BLANC DE TRANSPORT1 LOT 22JL21-A	QC Batch	BT-1 LOT 22JL21-A	RDL	QC Batch
METALS								
Mercury (Hg) †	ug/L	<0.0013	2319076	<0.0013	2319060	<0.0013	0.0013	2319063

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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ACID SOLUBLE METALS (SURFACE WATER)

Bureau Veritas ID		KS7330		KS7331		
Sampling Date		2022/07/29		2022/07/30		
COC Number		71701		71701		
	Units	BT-2 LOT 22JL21-A	QC Batch	BT-3 LOT 22JL21-A	RDL	QC Batch
METALS						
Mercury (Hg) †	ug/L	<0.0013	2319060	<0.0013	0.0013	2319063

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7306	KS7306			KS7307		KS7308		
Sampling Date		2022/07/28	2022/07/28			2022/07/28		2022/07/28		
COC Number		71701	71701			71701		71701		
	Units	St-1	St-1 Lab-Dup	RDL	QC Batch	St-2	QC Batch	St-3	RDL	QC Batch
CONVENTIONALS										
BOD5	mg/L	<2.7	<2.7	2.7	2318807	<2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.011	N/A	0.0010	2318575	0.012	2318575	0.098	0.0010	2318575
Dissolved Carbon †	mg/L	8.1	N/A	0.20	2318828	8.8	2318828	7.7	0.20	2318824
Dissolved inorganic carbon †	mg/L	1.5	N/A	0.20	2318001	1.5	2318001	1.3	0.20	2318001
Dissolved organic carbon †	mg/L	6.6	N/A	0.20	2318867	7.3	2318867	6.4	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	<0.020	N/A	0.020	2318817	<0.020	2318817	<0.020	0.020	2318817
Nitrates (N-NO3-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	2318817	<0.020	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	<0.020	0.020	2319820	<0.020	2319816	<0.020	0.020	2319820
pH	pH	5.88	N/A	N/A	2318580	6.09	2318580	5.93	N/A	2318580
Sulfides (S2-)	mg/L	<0.020	<0.020	0.020	2319495	<0.020	2319500	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	N/A	0.40	2320472	<0.40	2320472	<0.40	0.40	2320472
Total Organic Carbon	mg/L	6.5	6.5	0.20	2318886	7.2	2318886	6.3	0.20	2318886
Turbidity	NTU	0.47	N/A	0.10	2318501	0.60	2318501	0.22	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	1.3	N/A	1.0	2318560	1.7	2318560	1.2	1.0	2318560
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2318820	<0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	0.24	N/A	0.050	2318820	0.48	2318820	0.60	0.050	2318820
Total Dissolved Solids	mg/L	17	N/A	10	2319250	25	2319250	30	10	2319250
Total Solids	mg/L	16	N/A	10	2319251	28	2319251	68	10	2319251
Total suspended solids (TSS)	mg/L	1.1	N/A	0.21	2319085	1.1	2319085	0.40	0.20	2319085

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7308		KS7309			KS7310		
Sampling Date		2022/07/28		2022/07/30			2022/07/30		
COC Number		71701		71701			71701		
	Units	St-3 Lab-Dup	QC Batch	St-4	RDL	QC Batch	St-5	RDL	QC Batch
CONVENTIONALS									
BOD5	mg/L	N/A	2318807	<2.0	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	N/A	2318575	0.0093	0.0010	2318575	0.013	0.0010	2318575
Dissolved Carbon †	mg/L	N/A	2318824	8.8	0.20	2318828	7.0	0.20	2318828
Dissolved inorganic carbon †	mg/L	N/A	2318001	1.6	0.20	2318001	1.9	0.20	2318001
Dissolved organic carbon †	mg/L	N/A	2318867	7.2	0.20	2318867	5.0	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	N/A	2318817	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrates (N-NO3-)	mg/L	N/A	2318817	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrites (N-NO2-)	mg/L	N/A	2318817	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	N/A	2319820	<0.020	0.020	2319816	<0.020	0.020	2319816
pH	pH	N/A	2318580	6.10	N/A	2318580	6.46	N/A	2318580
Sulfides (S2-)	mg/L	N/A	2319495	<0.020	0.020	2319500	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	N/A	2320472	<0.40	0.40	2320499	<0.40	0.40	2320499
Total Organic Carbon	mg/L	N/A	2318886	7.1	0.20	2318886	5.2	0.20	2318886
Turbidity	NTU	0.25	2318501	0.81	0.10	2318501	0.48	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	N/A	2318560	1.7	1.0	2318560	4.2	1.0	2318560
Bromide (Br-)	mg/L	N/A	2318820	<0.10	0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	N/A	2318820	0.24	0.050	2318820	0.30	0.050	2318820
Total Dissolved Solids	mg/L	N/A	2319250	23	10	2319416	12	10	2319416
Total Solids	mg/L	N/A	2319251	56	10	2319419	44	10	2319419
Total suspended solids (TSS)	mg/L	N/A	2319085	2.6	0.20	2319385	1.6	0.21	2319385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7311	KS7311			KS7312		
Sampling Date		2022/07/30	2022/07/30			2022/07/29		
COC Number		71701	71701			71701		
	Units	St-6	St-6 Lab-Dup	RDL	QC Batch	ST-7A Surf	RDL	QC Batch
CONVENTIONALS								
BOD5	mg/L	<2.0	N/A	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.023	0.023	0.0010	2318575	0.014	0.0010	2318575
Dissolved Carbon †	mg/L	8.0	N/A	0.20	2318828	6.8	0.20	2318824
Dissolved inorganic carbon †	mg/L	1.9	N/A	0.20	2318001	1.7	0.20	2318001
Dissolved organic carbon †	mg/L	6.1	N/A	0.20	2318867	5.1	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrates (N-NO3-)	mg/L	0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	N/A	0.020	2319816	<0.020	0.020	2319816
pH	pH	6.43	6.42	N/A	2318580	6.51	N/A	2318580
Sulfides (S2-)	mg/L	<0.020	N/A	0.020	2319500	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	N/A	0.40	2320499	<0.40	0.40	2320499
Total Organic Carbon	mg/L	6.4	6.4	0.20	2318887	5.1	0.20	2318886
Turbidity	NTU	0.47	N/A	0.10	2318501	0.41	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	3.9	3.9	1.0	2318560	4.4	1.0	2318560
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2318820	<0.10	0.10	2318818
Chloride (Cl)	mg/L	0.35	N/A	0.050	2318820	0.28	0.050	2318818
Total Dissolved Solids	mg/L	24	N/A	10	2319416	19	10	2319250
Total Solids	mg/L	76	N/A	10	2319419	20	10	2319251
Total suspended solids (TSS)	mg/L	2.2	N/A	0.20	2319385	1.1	0.21	2319079

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7313		KS7314			KS7315		
Sampling Date		2022/07/29		2022/07/29			2022/07/29		
COC Number		71701		71701			71701		
	Units	ST-7A Fond	QC Batch	ST-7B Surf	RDL	QC Batch	ST-7B Fond	RDL	QC Batch
CONVENTIONALS									
BOD5	mg/L	<2.0	2318807	<2.0	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.014	2318575	0.014	0.0010	2318575	0.014	0.0010	2318575
Dissolved Carbon †	mg/L	7.0	2318828	6.9	0.20	2318828	6.9	0.20	2318824
Dissolved inorganic carbon †	mg/L	1.9	2318001	1.8	0.20	2318001	1.8	0.20	2318001
Dissolved organic carbon †	mg/L	5.1	2318867	5.1	0.20	2318867	5.1	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	<0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrates (N-NO3-)	mg/L	<0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	2319816	<0.020	0.020	2319820	<0.020	0.020	2319820
pH	pH	6.51	2318580	6.52	N/A	2318580	6.50	N/A	2318580
Sulfides (S2-)	mg/L	<0.020	2319495	<0.020	0.020	2319500	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	2320499	<0.40	0.40	2320499	<0.40	0.40	2320472
Total Organic Carbon	mg/L	5.1	2318886	5.1	0.20	2318886	5.1	0.20	2318886
Turbidity	NTU	0.41	2318501	0.46	0.10	2318501	0.45	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.3	2318560	4.2	1.0	2318560	4.3	1.0	2318560
Bromide (Br-)	mg/L	<0.10	2318818	<0.10	0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	0.28	2318818	0.27	0.050	2318820	0.30	0.050	2318820
Total Dissolved Solids	mg/L	13	2319250	23	10	2319250	13	10	2319416
Total Solids	mg/L	16	2319251	28	10	2319251	32	10	2319419
Total suspended solids (TSS)	mg/L	0.80	2319085	0.51	0.20	2319085	1.3	0.21	2319085

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7316	KS7316			KS7317		
Sampling Date		2022/07/29	2022/07/29			2022/07/29		
COC Number		71701	71701			71701		
	Units	ST-8 Surf	ST-8 Surf Lab-Dup	RDL	QC Batch	ST-8 Fond	RDL	QC Batch
CONVENTIONALS								
BOD5	mg/L	<2.0	N/A	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.014	N/A	0.0010	2318575	0.014	0.0010	2318575
Dissolved Carbon †	mg/L	6.8	6.8	0.20	2318828	6.8	0.20	2318828
Dissolved inorganic carbon †	mg/L	1.8	N/A	0.20	2318001	1.9	0.20	2318001
Dissolved organic carbon †	mg/L	4.9	5.0	0.20	2318867	4.9	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrates (N-NO3-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	N/A	0.020	2319820	<0.020	0.020	2319816
pH	pH	6.52	N/A	N/A	2318580	6.50	N/A	2318580
Sulfides (S2-)	mg/L	<0.020	N/A	0.020	2319495	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	N/A	0.40	2320472	<0.40	0.40	2320499
Total Organic Carbon	mg/L	5.0	N/A	0.20	2318886	5.2	0.20	2318886
Turbidity	NTU	0.49	N/A	0.10	2318501	0.44	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.3	N/A	1.0	2318560	4.2	1.0	2318560
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2318820	<0.10	0.10	2318818
Chloride (Cl)	mg/L	0.27	N/A	0.050	2318820	0.29	0.050	2318818
Total Dissolved Solids	mg/L	18	N/A	10	2319416	20	10	2319416
Total Solids	mg/L	44	N/A	10	2319419	60	10	2319419
Total suspended solids (TSS)	mg/L	1.2	N/A	0.21	2319079	1.1	0.22	2319385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7318		KS7319			KS7320		
Sampling Date		2022/07/30		2022/07/29			2022/07/30		
COC Number		71701		71701			71701		
	Units	ST-9	QC Batch	ST-10	RDL	QC Batch	ST-11 Surface	RDL	QC Batch
CONVENTIONALS									
BOD5	mg/L	<2.0	2318807	<2.0	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.013	2318575	0.0094	0.0010	2318575	0.014	0.0010	2318575
Dissolved Carbon †	mg/L	7.0	2318828	6.8	0.20	2318828	6.8	0.20	2318828
Dissolved inorganic carbon †	mg/L	1.9	2318001	1.6	0.20	2318001	1.7	0.20	2318001
Dissolved organic carbon †	mg/L	5.1	2318867	5.2	0.20	2318867	5.1	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	<0.020	2318812	<0.020	0.020	2318817	0.040	0.020	2318817
Nitrates (N-NO3-)	mg/L	<0.020	2318812	<0.020	0.020	2318817	0.040	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	2319816	<0.020	0.020	2319816	<0.020	0.020	2319816
pH	pH	6.54	2318580	6.26	N/A	2318580	6.49	N/A	2318580
Sulfides (S2-)	mg/L	<0.020	2319500	<0.020	0.020	2319495	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	2320499	<0.40	0.40	2320499	<0.40	0.40	2320499
Total Organic Carbon	mg/L	5.2	2318886	5.5	0.20	2318886	5.3	0.20	2318887
Turbidity	NTU	0.34	2318501	0.44	0.10	2318501	0.32	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	4.3	2318560	2.4	1.0	2318560	4.1	1.0	2318560
Bromide (Br-)	mg/L	<0.10	2318818	<0.10	0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	0.28	2318818	0.31	0.050	2318820	0.28	0.050	2318820
Total Dissolved Solids	mg/L	18	2319416	21	10	2319416	16	10	2319416
Total Solids	mg/L	130	2319419	72	10	2319419	52	10	2319419
Total suspended solids (TSS)	mg/L	1.2	2319385	1.7	0.20	2319385	0.84	0.21	2319385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7320		KS7321			KS7322		
Sampling Date		2022/07/30		2022/07/30			2022/07/30		
COC Number		71701		71701			71701		
	Units	ST-11 Surface Lab-Dup	RDL	ST-11 Fond	RDL	QC Batch	ST-12	RDL	QC Batch
CONVENTIONALS									
BOD5	mg/L	N/A	2.0	<2.0	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	N/A	0.0010	0.014	0.0010	2318575	0.014	0.0010	2318575
Dissolved Carbon †	mg/L	N/A	0.20	7.7	0.20	2318828	6.8	0.20	2318824
Dissolved inorganic carbon †	mg/L	N/A	0.20	2.3	0.20	2318001	1.6	0.20	2318001
Dissolved organic carbon †	mg/L	N/A	0.20	5.4	0.20	2318867	5.1	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	0.036	0.020	0.060	0.020	2318817	0.021	0.020	2318817
Nitrates (N-NO3-)	mg/L	0.036	0.020	0.060	0.020	2318817	0.021	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	0.020	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	<0.020	0.020	2319816	<0.020	0.020	2319816
pH	pH	N/A	N/A	6.32	N/A	2318580	6.50	N/A	2318580
Sulfides (S2-)	mg/L	N/A	0.020	<0.020	0.020	2319495	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	N/A	0.40	<0.40	0.40	2320499	<0.40	0.40	2320472
Total Organic Carbon	mg/L	N/A	0.20	5.6	0.20	2318887	5.0	0.20	2318886
Turbidity	NTU	N/A	0.10	0.54	0.10	2318501	0.30	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	N/A	1.0	4.1	1.0	2318560	4.1	1.0	2318560
Bromide (Br-)	mg/L	<0.10	0.10	<0.10	0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	0.20	0.050	0.26	0.050	2318820	0.25	0.050	2318820
Total Dissolved Solids	mg/L	N/A	10	13	10	2319416	20	10	2319416
Total Solids	mg/L	N/A	10	48	10	2319419	64	10	2319419
Total suspended solids (TSS)	mg/L	N/A	0.21	1.2	0.22	2319385	0.60	0.20	2319385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7323			KS7324			KS7325		
Sampling Date		2022/07/28			2022/07/28			2022/07/28		
COC Number		71701			71701			71701		
	Units	ST-13	RDL	QC Batch	ST-14	RDL	QC Batch	dup-1	RDL	QC Batch
CONVENTIONALS										
BOD5	mg/L	<2.0	2.0	2318807	<2.0	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.0099	0.0010	2318575	0.011	0.0010	2318575	0.0097	0.0010	2318575
Dissolved Carbon †	mg/L	14	0.20	2318828	8.4	0.20	2318824	8.2	0.20	2318828
Dissolved inorganic carbon †	mg/L	2.4	0.20	2318001	1.1	0.20	2318001	1.7	0.20	2318001
Dissolved organic carbon †	mg/L	11	0.20	2318867	7.3	0.20	2318867	6.5	0.20	2318867
Nitrate (N) and Nitrite(N)	mg/L	<0.020	0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2318812	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2319820	<0.020	0.020	2319816	<0.020	0.020	2319820
pH	pH	5.89	N/A	2318580	6.15	N/A	2318580	6.18	N/A	2318580
Sulfides (S2-)	mg/L	<0.020	0.020	2319495	<0.020	0.020	2319495	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2320472	<0.40	0.40	2320499	<0.40	0.40	2320472
Total Organic Carbon	mg/L	12	0.20	2318886	7.2	0.20	2318886	6.7	0.20	2318886
Turbidity	NTU	0.48	0.10	2318501	0.51	0.10	2318501	0.41	0.10	2318501
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	1.6	1.0	2318560	1.9	1.0	2318560	2.2	1.0	2318560
Bromide (Br-)	mg/L	<0.10	0.10	2318818	<0.10	0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	0.29	0.050	2318818	0.42	0.050	2318820	0.27	0.050	2318820
Total Dissolved Solids	mg/L	28	10	2319250	29	10	2319250	25	10	2319250
Total Solids	mg/L	48	10	2319251	56	10	2319251	48	10	2319251
Total suspended solids (TSS)	mg/L	2.0	0.44	2319085	1.1	0.21	2319085	1.5	0.20	2319085

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7326			KS7327		
Sampling Date		2022/07/29			2022/07/30		
COC Number		71701			71701		
	Units	dup-2	RDL	QC Batch	dup-3	RDL	QC Batch
CONVENTIONALS							
BOD5	mg/L	<2.0	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	0.014	0.0010	2318577	0.014	0.0010	2318577
Dissolved Carbon †	mg/L	6.8	0.20	2318828	6.7	0.20	2318828
Dissolved inorganic carbon †	mg/L	1.8	0.20	2318001	1.8	0.20	2318001
Dissolved organic carbon †	mg/L	5.0	0.20	2318872	4.9	0.20	2318872
Nitrate (N) and Nitrite(N)	mg/L	<0.020	0.020	2318817	0.083	0.020	2318817
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2318817	0.083	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2318817	<0.020	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2319816	<0.020	0.020	2319820
pH	pH	6.41	N/A	2318582	6.47	N/A	2318582
Sulfides (S2-)	mg/L	<0.020	0.020	2319495	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2320499	<0.40	0.40	2320472
Total Organic Carbon	mg/L	5.1	0.20	2318887	5.1	0.20	2318886
Turbidity	NTU	0.42	0.10	2318537	0.31	0.10	2318537
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	3.9	1.0	2318561	4.1	1.0	2318561
Bromide (Br-)	mg/L	<0.10	0.10	2318820	<0.10	0.10	2318820
Chloride (Cl)	mg/L	0.29	0.050	2318820	0.29	0.050	2318820
Total Dissolved Solids	mg/L	17	10	2319416	23	10	2319416
Total Solids	mg/L	56	10	2319419	60	10	2319419
Total suspended solids (TSS)	mg/L	1.1	0.20	2319385	0.84	0.21	2319386

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7328			KS7329	KS7329		
Sampling Date		2022/07/31			2022/07/28	2022/07/28		
COC Number		71701			71701	71701		
	Units	**BLANC DE TRANSPORT1 LOT 22JL21-A**	**RDL**	**QC Batch**	**BT-1 LOT 22JL21-A**	**BT-1 LOT 22JL21-A Lab-Dup**	**RDL**	**QC Batch**
CONVENTIONALS								
BOD5	mg/L	<2.0	2.0	2318807	<2.0	N/A	2.0	2318807
Conductivity	mS/cm	<0.0010	0.0010	2318577	<0.0010	<0.0010	0.0010	2318577
Dissolved Carbon †	mg/L	0.61	0.20	2318824	0.25	N/A	0.20	2318828
Dissolved inorganic carbon †	mg/L	0.61	0.20	2318001	0.25	N/A	0.20	2318001
Dissolved organic carbon †	mg/L	<0.20	0.20	2318872	<0.20	N/A	0.20	2318872
Nitrate (N) and Nitrite(N)	mg/L	<0.020	0.020	2318817	<0.020	N/A	0.020	2318817
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2318817	<0.020	N/A	0.020	2318817
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2318817	<0.020	N/A	0.020	2318817
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	0.020	2319816	<0.020	N/A	0.020	2319820
pH	pH	5.70	N/A	2318582	5.53	5.46	N/A	2318582
Sulfides (S2-)	mg/L	<0.020	0.020	2319500	<0.020	N/A	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2320499	<0.40	N/A	0.40	2320472
Total Organic Carbon	mg/L	<0.20	0.20	2318886	<0.20	N/A	0.20	2318886
Turbidity	NTU	<0.10	0.10	2318537	0.10	N/A	0.10	2318537
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	<1.0	1.0	2318561	<1.0	<1.0	1.0	2318561
Bromide (Br-)	mg/L	<0.10	0.10	2318820	<0.10	N/A	0.10	2318820
Chloride (Cl)	mg/L	0.087	0.050	2318820	0.079	N/A	0.050	2318820
Total Dissolved Solids	mg/L	<10	10	2319416	<10	N/A	10	2319250
Total Solids	mg/L	<10	10	2319419	<10	N/A	10	2319251
Total suspended solids (TSS)	mg/L	<0.20	0.20	2319386	<0.21	N/A	0.21	2319085

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (SURFACE WATER)

Bureau Veritas ID		KS7330	KS7330			KS7331		
Sampling Date		2022/07/29	2022/07/29			2022/07/30		
COC Number		71701	71701			71701		
	Units	BT-2 LOT 22JL21-A	BT-2 LOT 22JL21-A Lab-Dup	RDL	QC Batch	BT-3 LOT 22JL21-A	RDL	QC Batch
CONVENTIONALS								
BOD5	mg/L	<2.0	N/A	2.0	2318807	<2.0	2.0	2318807
Conductivity	mS/cm	<0.0010	N/A	0.0010	2318577	<0.0010	0.0010	2318577
Dissolved Carbon †	mg/L	0.27	N/A	0.20	2318828	0.24	0.20	2318828
Dissolved inorganic carbon †	mg/L	<0.20	N/A	0.20	2318001	<0.20	0.20	2318001
Dissolved organic carbon †	mg/L	0.32	N/A	0.20	2318872	0.28	0.20	2318872
Nitrate (N) and Nitrite(N)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrates (N-NO3-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2318817	<0.020	0.020	2318812
Nitrogen ammonia (N-NH4+ and N-NH3)	mg/L	<0.020	N/A	0.020	2319820	<0.020	0.020	2319816
pH	pH	5.41	N/A	N/A	2318582	5.41	N/A	2318582
Sulfides (S2-)	mg/L	<0.020	N/A	0.020	2319495	<0.020	0.020	2319495
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	<0.40	0.40	2320472	<0.40	0.40	2320499
Total Organic Carbon	mg/L	<0.20	N/A	0.20	2318887	0.21	0.20	2318887
Turbidity	NTU	0.10	N/A	0.10	2318537	<0.10	0.10	2318537
Alkalinity Total (as CaCO3) pH 4.5 †	mg/L	<1.0	N/A	1.0	2318561	<1.0	1.0	2318561
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2318820	<0.10	0.10	2318818
Chloride (Cl)	mg/L	0.082	N/A	0.050	2318820	0.057	0.050	2318818
Total Dissolved Solids	mg/L	<10	N/A	10	2319416	<10	10	2319416
Total Solids	mg/L	<10	N/A	10	2319419	<10	10	2319419
Total suspended solids (TSS)	mg/L	<0.20	N/A	0.20	2319386	<0.21	0.21	2319386

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

Bureau Veritas ID		KS7331		
Sampling Date		2022/07/30		
COC Number		71701		
	Units	BT-3 LOT 22JL21-A Lab-Dup	RDL	QC Batch
CONVENTIONALS				
TKN Total Kjeldahl Nitrogen	mg/L	<0.40	0.40	2320499

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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GENERAL COMMENTS

pH in water: Holding time already past upon reception.: KS7306
Turbidity: Holding time already past upon reception.: KS7306
BOD 5 Days Low Level: Holding time already past upon reception.: KS7306
Dissolved Carbon: Holding time already past upon reception.: KS7306
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7306
Dissolved Organic Carbon: Holding time already past upon reception.: KS7306
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7306
pH in water: Holding time already past upon reception.: KS7307
Turbidity: Holding time already past upon reception.: KS7307
BOD 5 Days Low Level: Holding time already past upon reception.: KS7307
Dissolved Carbon: Holding time already past upon reception.: KS7307
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7307
Dissolved Organic Carbon: Holding time already past upon reception.: KS7307
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7307
pH in water: Holding time already past upon reception.: KS7308
Turbidity: Holding time already past upon reception.: KS7308
BOD 5 Days Low Level: Holding time already past upon reception.: KS7308
Dissolved Carbon: Holding time already past upon reception.: KS7308
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7308
Dissolved Organic Carbon: Holding time already past upon reception.: KS7308
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7308
pH in water: Holding time already past upon reception.: KS7309, KS7310, KS7311, KS7312
Turbidity: Holding time already past upon reception.: KS7312
BOD 5 Days Low Level: Holding time already past upon reception.: KS7312
Dissolved Carbon: Holding time already past upon reception.: KS7312
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7312
Dissolved Organic Carbon: Holding time already past upon reception.: KS7312
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7312
pH in water: Holding time already past upon reception.: KS7313
Turbidity: Holding time already past upon reception.: KS7313
BOD 5 Days Low Level: Holding time already past upon reception.: KS7313
Dissolved Carbon: Holding time already past upon reception.: KS7313
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7313
Dissolved Organic Carbon: Holding time already past upon reception.: KS7313
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7313
pH in water: Holding time already past upon reception.: KS7314
Turbidity: Holding time already past upon reception.: KS7314
BOD 5 Days Low Level: Holding time already past upon reception.: KS7314
Dissolved Carbon: Holding time already past upon reception.: KS7314
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7314
Dissolved Organic Carbon: Holding time already past upon reception.: KS7314
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7314
pH in water: Holding time already past upon reception.: KS7315
Turbidity: Holding time already past upon reception.: KS7315
BOD 5 Days Low Level: Holding time already past upon reception.: KS7315
Dissolved Carbon: Holding time already past upon reception.: KS7315
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7315
Dissolved Organic Carbon: Holding time already past upon reception.: KS7315
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7315
pH in water: Holding time already past upon reception.: KS7316
Turbidity: Holding time already past upon reception.: KS7316
BOD 5 Days Low Level: Holding time already past upon reception.: KS7316

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Dissolved Carbon: Holding time already past upon reception.: KS7316
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7316
Dissolved Organic Carbon: Holding time already past upon reception.: KS7316
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7316
pH in water: Holding time already past upon reception.: KS7317
Turbidity: Holding time already past upon reception.: KS7317
BOD 5 Days Low Level: Holding time already past upon reception.: KS7317
Dissolved Carbon: Holding time already past upon reception.: KS7317
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7317
Dissolved Organic Carbon: Holding time already past upon reception.: KS7317
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7317
pH in water: Holding time already past upon reception.: KS7318, KS7319
Turbidity: Holding time already past upon reception.: KS7319
BOD 5 Days Low Level: Holding time already past upon reception.: KS7319
Dissolved Carbon: Holding time already past upon reception.: KS7319
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7319
Dissolved Organic Carbon: Holding time already past upon reception.: KS7319
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7319
pH in water: Holding time already past upon reception.: KS7320, KS7321, KS7322, KS7323
Turbidity: Holding time already past upon reception.: KS7323
BOD 5 Days Low Level: Holding time already past upon reception.: KS7323
Dissolved Carbon: Holding time already past upon reception.: KS7323
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7323
Dissolved Organic Carbon: Holding time already past upon reception.: KS7323
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7323
pH in water: Holding time already past upon reception.: KS7324
Turbidity: Holding time already past upon reception.: KS7324
BOD 5 Days Low Level: Holding time already past upon reception.: KS7324
Dissolved Carbon: Holding time already past upon reception.: KS7324
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7324
Dissolved Organic Carbon: Holding time already past upon reception.: KS7324
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7324
pH in water: Holding time already past upon reception.: KS7325
Turbidity: Holding time already past upon reception.: KS7325
BOD 5 Days Low Level: Holding time already past upon reception.: KS7325
Dissolved Carbon: Holding time already past upon reception.: KS7325
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7325
Dissolved Organic Carbon: Holding time already past upon reception.: KS7325
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7325
pH in water: Holding time already past upon reception.: KS7326
Turbidity: Holding time already past upon reception.: KS7326
BOD 5 Days Low Level: Holding time already past upon reception.: KS7326
Dissolved Carbon: Holding time already past upon reception.: KS7326
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7326
Dissolved Organic Carbon: Holding time already past upon reception.: KS7326
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7326
pH in water: Holding time already past upon reception.: KS7327, KS7328
Turbidity: Holding time already past upon reception.: KS7328
BOD 5 Days Low Level: Holding time already past upon reception.: KS7328
Dissolved Carbon: Holding time already past upon reception.: KS7328
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7328
Dissolved Organic Carbon: Holding time already past upon reception.: KS7328
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7328
pH in water: Holding time already past upon reception.: KS7329
Turbidity: Holding time already past upon reception.: KS7329

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BOD 5 Days Low Level: Holding time already past upon reception.: KS7329
Dissolved Carbon: Holding time already past upon reception.: KS7329
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7329
Dissolved Organic Carbon: Holding time already past upon reception.: KS7329
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7329
pH in water: Holding time already past upon reception.: KS7330
Turbidity: Holding time already past upon reception.: KS7330
BOD 5 Days Low Level: Holding time already past upon reception.: KS7330
Dissolved Carbon: Holding time already past upon reception.: KS7330
Dissolved Inorganic Carbon: Holding time already past upon reception.: KS7330
Dissolved Organic Carbon: Holding time already past upon reception.: KS7330
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS7330
pH in water: Holding time already past upon reception.: KS7331

CONVENTIONAL PARAMETERS (SURFACE WATER)

TSD < TDS: Both values fall within acceptable RPD limits for duplicates and are likely equivalent - KS7306.

Carbone Organique Total < Carbone Organique Dissous : Les deux résultats sont considérés équivalents puisque dans les limites acceptables pour une analyse en duplicata - KS7306, KS7307, 7309, 7322, 7324, 7330, 7331.
Radium-226: Cette analyse est accréditée par le MELCC.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2318501	APO	Spiked Blank	Turbidity	2022/08/03		111	%
2318501	APO	Method Blank	Turbidity	2022/08/03	<0.10		NTU
2318537	APO	Spiked Blank	Turbidity	2022/08/03		110	%
2318537	APO	Method Blank	Turbidity	2022/08/03	<0.10		NTU
2318560	JAN	QC Standard	Alkalinity Total (as CaCO3) pH 4.5	2022/08/03		98	%
2318560	JAN	Spiked Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/08/03		101	%
2318560	JAN	Method Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/08/03	<1.0		mg/L
2318561	JAN	Spiked Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/08/03		97	%
2318561	JAN	Method Blank	Alkalinity Total (as CaCO3) pH 4.5	2022/08/03	<1.0		mg/L
2318575	JAN	QC Standard	Conductivity	2022/08/03		97	%
2318575	JAN	Spiked Blank	Conductivity	2022/08/03		101	%
2318575	JAN	Method Blank	Conductivity	2022/08/03	<0.0010		mS/cm
2318577	JAN	Spiked Blank	Conductivity	2022/08/03		101	%
2318577	JAN	Method Blank	Conductivity	2022/08/03	<0.0010		mS/cm
2318580	JAN	QC Standard	pH	2022/08/03		100	%
2318580	JAN	Spiked Blank	pH	2022/08/03		101	%
2318582	JAN	Spiked Blank	pH	2022/08/03		101	%
2318807	DNA	QC Standard	BOD5	2022/08/08		91	%
2318807	DNA	Spiked Blank	BOD5	2022/08/08		91	%
2318807	DNA	Spiked Blank DUP	BOD5	2022/08/08		94	%
2318807	DNA	Method Blank	BOD5	2022/08/08	<2.0		mg/L
2318807	DNA	Method Blank DUP	BOD5	2022/08/08	<2.0		mg/L
2318812	VCH	Spiked Blank	Nitrate (N) and Nitrite(N)	2022/08/04		104	%
			Nitrates (N-NO3-)	2022/08/04		104	%
			Nitrites (N-NO2-)	2022/08/04		104	%
2318812	VCH	Method Blank	Nitrate (N) and Nitrite(N)	2022/08/04	<0.020		mg/L
			Nitrates (N-NO3-)	2022/08/04	<0.020		mg/L
			Nitrites (N-NO2-)	2022/08/04	<0.020		mg/L
2318817	VCH	Spiked Blank	Nitrate (N) and Nitrite(N)	2022/08/03		104	%
			Nitrates (N-NO3-)	2022/08/03		105	%
			Nitrites (N-NO2-)	2022/08/03		104	%
2318817	VCH	Method Blank	Nitrate (N) and Nitrite(N)	2022/08/04	<0.020		mg/L
			Nitrates (N-NO3-)	2022/08/04	<0.020		mg/L
			Nitrites (N-NO2-)	2022/08/04	<0.020		mg/L
2318818	VCH	Spiked Blank	Bromide (Br-)	2022/08/04		104	%
			Chloride (Cl)	2022/08/04		100	%
2318818	VCH	Method Blank	Bromide (Br-)	2022/08/04	<0.10		mg/L
			Chloride (Cl)	2022/08/04	<0.050		mg/L
2318820	VCH	Spiked Blank	Bromide (Br-)	2022/08/03		103	%
			Chloride (Cl)	2022/08/03		100	%
2318820	VCH	Method Blank	Bromide (Br-)	2022/08/04	<0.10		mg/L
			Chloride (Cl)	2022/08/04	<0.050		mg/L
2318824	VCH	Spiked Blank	Dissolved Carbon	2022/08/03		101	%
2318824	VCH	Method Blank	Dissolved Carbon	2022/08/03	<0.20		mg/L
2318828	VCH	Spiked Blank	Dissolved Carbon	2022/08/03		101	%
2318828	VCH	Method Blank	Dissolved Carbon	2022/08/03	0.24, RDL=0.20		mg/L
2318867	BAG	Spiked Blank	Dissolved organic carbon	2022/08/05		102	%
2318867	BAG	Method Blank	Dissolved organic carbon	2022/08/05	<0.20		mg/L
2318872	BAG	Spiked Blank	Dissolved organic carbon	2022/08/05		102	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2318872	BAG	Method Blank	Dissolved organic carbon	2022/08/05	0.24, RDL=0.20		mg/L
2318886	BAG	Spiked Blank	Total Organic Carbon	2022/08/05		101	%
2318886	BAG	Method Blank	Total Organic Carbon	2022/08/05	<0.20		mg/L
2318887	BAG	Spiked Blank	Total Organic Carbon	2022/08/05		101	%
2318887	BAG	Method Blank	Total Organic Carbon	2022/08/05	0.30, RDL=0.20		mg/L
2318920	DES	Spiked Blank	1-Chlorooctadecane	2022/08/05		75	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05		65	%
2318920	DES	Spiked Blank DUP	1-Chlorooctadecane	2022/08/05		77	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05		66	%
2318920	DES	Method Blank	1-Chlorooctadecane	2022/08/05		83	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05	<100		ug/L
2319060	AT7	Spiked Blank	Mercury (Hg)	2022/08/17		205	%
2319060	AT7	Method Blank	Mercury (Hg)	2022/08/17	<0.0013		ug/L
2319063	AT7	Spiked Blank	Mercury (Hg)	2022/08/17		145	%
2319063	AT7	Method Blank	Mercury (Hg)	2022/08/17	<0.0013		ug/L
2319076	AT7	Spiked Blank	Mercury (Hg)	2022/08/17		85	%
2319076	AT7	Method Blank	Mercury (Hg)	2022/08/17	<0.0013		ug/L
2319078	DES	Spiked Blank	1-Chlorooctadecane	2022/08/04		74	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/04		63	%
2319078	DES	Spiked Blank DUP	1-Chlorooctadecane	2022/08/04		80	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/04		73	%
2319078	DES	Method Blank	1-Chlorooctadecane	2022/08/04		67	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/04	<100		ug/L
2319079	SAT	Spiked Blank	Total suspended solids (TSS)	2022/08/05		100	%
2319079	SAT	Method Blank	Total suspended solids (TSS)	2022/08/05	<0.20		mg/L
2319085	SAT	Spiked Blank	Total suspended solids (TSS)	2022/08/05		100	%
2319085	SAT	Method Blank	Total suspended solids (TSS)	2022/08/05	<0.20		mg/L
2319250	ZZH	Spiked Blank	Total Dissolved Solids	2022/08/05		99	%
2319250	ZZH	Method Blank	Total Dissolved Solids	2022/08/05	<10		mg/L
2319251	ZZH	Spiked Blank	Total Solids	2022/08/05		100	%
2319251	ZZH	Method Blank	Total Solids	2022/08/05	<10		mg/L
2319385	SAT	Spiked Blank	Total suspended solids (TSS)	2022/08/08		100	%
2319385	SAT	Method Blank	Total suspended solids (TSS)	2022/08/08	<0.20		mg/L
2319386	SAT	Spiked Blank	Total suspended solids (TSS)	2022/08/08		100	%
2319386	SAT	Method Blank	Total suspended solids (TSS)	2022/08/08	<0.20		mg/L
2319416	ZZH	Spiked Blank	Total Dissolved Solids	2022/08/06		99	%
2319416	ZZH	Method Blank	Total Dissolved Solids	2022/08/06	<10		mg/L
2319419	ZZH	Spiked Blank	Total Solids	2022/08/06		100	%
2319419	ZZH	Method Blank	Total Solids	2022/08/06	<10		mg/L
2319495	ANB	Spiked Blank	Sulfides (S2-)	2022/08/05		87	%
2319495	ANB	Method Blank	Sulfides (S2-)	2022/08/05	<0.020		mg/L
2319500	ANB	Spiked Blank	Sulfides (S2-)	2022/08/05		86	%
2319500	ANB	Method Blank	Sulfides (S2-)	2022/08/05	<0.020		mg/L
2319527	DES	Spiked Blank	1-Chlorooctadecane	2022/08/08		90	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/08		82	%
2319527	DES	Spiked Blank DUP	1-Chlorooctadecane	2022/08/08		85	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/08		79	%
2319527	DES	Method Blank	1-Chlorooctadecane	2022/08/08		110	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/08	<100		ug/L

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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2319816	AGO	QC Standard	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/08/06		114	%
2319816	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/08/06		117	%
2319816	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/08/06	<0.020		mg/L
2319820	AGO	Spiked Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/08/06		115	%
2319820	AGO	Method Blank	Nitrogen ammonia (N-NH4+ and N-NH3)	2022/08/06	<0.020		mg/L
2320066	BKI	Spiked Blank	Cerium (Ce)	2022/08/09		115	%
			Cesium (Cs)	2022/08/09		110	%
			Dysprosium (Dy)	2022/08/09		114	%
			Erbium (Er)	2022/08/09		114	%
			Europium (Eu)	2022/08/09		114	%
			Gadolinium (Gd)	2022/08/09		114	%
			Holmium (Ho)	2022/08/09		113	%
			Gallium (Ga)	2022/08/09		112	%
			Lanthanum (La)	2022/08/09		114	%
			Lutetium (Lu)	2022/08/09		113	%
			Neodymium (Nd)	2022/08/09		115	%
			Praseodymium (Pr)	2022/08/09		115	%
			Rhenium (Re)	2022/08/09		106	%
			Rhodium (Rh)	2022/08/09		112	%
			Rubidium (Rb)	2022/08/09		118	%
			Samarium (Sm)	2022/08/09		113	%
			Scandium (Sc)	2022/08/09		104	%
			Terbium (Tb)	2022/08/09		113	%
			Thorium (Th)	2022/08/09		98	%
			Thulium (Tm)	2022/08/09		112	%
			Ytterbium (Yb)	2022/08/09		113	%
			Yttrium (Y)	2022/08/09		117	%
2320066	BKI	Method Blank	Cerium (Ce)	2022/08/09	<0.040		ug/L
			Cesium (Cs)	2022/08/09	<0.020		ug/L
			Dysprosium (Dy)	2022/08/09	<0.040		ug/L
			Erbium (Er)	2022/08/09	<0.020		ug/L
			Europium (Eu)	2022/08/09	<0.020		ug/L
			Gadolinium (Gd)	2022/08/09	<0.040		ug/L
			Holmium (Ho)	2022/08/09	<0.015		ug/L
			Gallium (Ga)	2022/08/09	<0.040		ug/L
			Lanthanum (La)	2022/08/09	<0.020		ug/L
			Lutetium (Lu)	2022/08/09	<0.016		ug/L
			Neodymium (Nd)	2022/08/09	<0.040		ug/L
			Praseodymium (Pr)	2022/08/09	<0.010		ug/L
			Rhenium (Re)	2022/08/09	<0.040		ug/L
			Rhodium (Rh)	2022/08/09	<0.020		ug/L
			Rubidium (Rb)	2022/08/09	<0.020		ug/L
			Samarium (Sm)	2022/08/09	<0.030		ug/L
			Scandium (Sc)	2022/08/09	<0.020		ug/L
			Terbium (Tb)	2022/08/09	<0.010		ug/L
			Thorium (Th)	2022/08/09	<0.015		ug/L
			Thulium (Tm)	2022/08/09	<0.016		ug/L
			Ytterbium (Yb)	2022/08/09	<0.070		ug/L
			Yttrium (Y)	2022/08/09	<0.020		ug/L
2320080	BKI	Spiked Blank	Cerium (Ce)	2022/08/09		120	%
			Cesium (Cs)	2022/08/09		105	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Dysprosium (Dy)	2022/08/09		120	%
			Erbium (Er)	2022/08/09		120	%
			Europium (Eu)	2022/08/09		120	%
			Gadolinium (Gd)	2022/08/09		121	%
			Holmium (Ho)	2022/08/09		119	%
			Gallium (Ga)	2022/08/09		116	%
			Lanthanum (La)	2022/08/09		119	%
			Lutetium (Lu)	2022/08/09		120	%
			Neodymium (Nd)	2022/08/09		120	%
			Praseodymium (Pr)	2022/08/09		120	%
			Rhenium (Re)	2022/08/09		114	%
			Rhodium (Rh)	2022/08/09		112	%
			Rubidium (Rb)	2022/08/09		104	%
			Samarium (Sm)	2022/08/09		119	%
			Scandium (Sc)	2022/08/09		101	%
			Terbium (Tb)	2022/08/09		119	%
			Thorium (Th)	2022/08/09		111	%
			Thulium (Tm)	2022/08/09		119	%
			Ytterbium (Yb)	2022/08/09		117	%
			Yttrium (Y)	2022/08/09		120	%
2320080	BKI	Method Blank	Cerium (Ce)	2022/08/09	<0.040		ug/L
			Cesium (Cs)	2022/08/09	<0.020		ug/L
			Dysprosium (Dy)	2022/08/09	<0.040		ug/L
			Erbium (Er)	2022/08/09	<0.020		ug/L
			Europium (Eu)	2022/08/09	<0.020		ug/L
			Gadolinium (Gd)	2022/08/09	<0.040		ug/L
			Holmium (Ho)	2022/08/09	<0.015		ug/L
			Gallium (Ga)	2022/08/09	<0.040		ug/L
			Lanthanum (La)	2022/08/09	<0.020		ug/L
			Lutetium (Lu)	2022/08/09	<0.016		ug/L
			Neodymium (Nd)	2022/08/09	<0.040		ug/L
			Praseodymium (Pr)	2022/08/09	<0.010		ug/L
			Rhenium (Re)	2022/08/09	<0.040		ug/L
			Rhodium (Rh)	2022/08/09	<0.020		ug/L
			Rubidium (Rb)	2022/08/09	<0.020		ug/L
			Samarium (Sm)	2022/08/09	<0.030		ug/L
			Scandium (Sc)	2022/08/09	<0.020		ug/L
			Terbium (Tb)	2022/08/09	<0.010		ug/L
			Thorium (Th)	2022/08/09	<0.015		ug/L
			Thulium (Tm)	2022/08/09	<0.016		ug/L
			Ytterbium (Yb)	2022/08/09	<0.070		ug/L
			Yttrium (Y)	2022/08/09	<0.020		ug/L
2320083	BKI	Spiked Blank	Cerium (Ce)	2022/08/09		120	%
			Cesium (Cs)	2022/08/09		110	%
			Dysprosium (Dy)	2022/08/09		191 (1)	%
			Erbium (Er)	2022/08/09		120	%
			Europium (Eu)	2022/08/09		120	%
			Gadolinium (Gd)	2022/08/09		119	%
			Holmium (Ho)	2022/08/09		119	%
			Gallium (Ga)	2022/08/09		117	%
			Lanthanum (La)	2022/08/09		117	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Lutetium (Lu)	2022/08/09		119	%
			Neodymium (Nd)	2022/08/09		119	%
			Praseodymium (Pr)	2022/08/09		118	%
			Rhenium (Re)	2022/08/09		116	%
			Rhodium (Rh)	2022/08/09		112	%
			Rubidium (Rb)	2022/08/09		101	%
			Samarium (Sm)	2022/08/09		118	%
			Scandium (Sc)	2022/08/09		106	%
			Terbium (Tb)	2022/08/09		118	%
			Thorium (Th)	2022/08/09		107	%
			Thulium (Tm)	2022/08/09		119	%
			Ytterbium (Yb)	2022/08/09		119	%
			Yttrium (Y)	2022/08/09		118	%
2320083	BKI	Method Blank	Cerium (Ce)	2022/08/09	<0.040		ug/L
			Cesium (Cs)	2022/08/09	<0.020		ug/L
			Dysprosium (Dy)	2022/08/09	<0.040		ug/L
			Erbium (Er)	2022/08/09	<0.020		ug/L
			Europium (Eu)	2022/08/09	<0.020		ug/L
			Gadolinium (Gd)	2022/08/09	<0.040		ug/L
			Holmium (Ho)	2022/08/09	<0.015		ug/L
			Gallium (Ga)	2022/08/09	<0.040		ug/L
			Lanthanum (La)	2022/08/09	<0.020		ug/L
			Lutetium (Lu)	2022/08/09	<0.016		ug/L
			Neodymium (Nd)	2022/08/09	<0.040		ug/L
			Praseodymium (Pr)	2022/08/09	<0.010		ug/L
			Rhenium (Re)	2022/08/09	<0.040		ug/L
			Rhodium (Rh)	2022/08/09	<0.020		ug/L
			Rubidium (Rb)	2022/08/09	<0.020		ug/L
			Samarium (Sm)	2022/08/09	<0.030		ug/L
			Scandium (Sc)	2022/08/09	<0.020		ug/L
			Terbium (Tb)	2022/08/09	<0.010		ug/L
			Thorium (Th)	2022/08/09	<0.015		ug/L
			Thulium (Tm)	2022/08/09	<0.016		ug/L
			Ytterbium (Yb)	2022/08/09	<0.070		ug/L
			Yttrium (Y)	2022/08/09	<0.020		ug/L
2320472	SKL	Spiked Blank	TKN Total Kjeldahl Nitrogen	2022/08/16		94	%
2320472	SKL	Method Blank	TKN Total Kjeldahl Nitrogen	2022/08/11	<0.40		mg/L
2320499	SKL	Spiked Blank	TKN Total Kjeldahl Nitrogen	2022/08/12		100	%
2320499	SKL	Method Blank	TKN Total Kjeldahl Nitrogen	2022/08/11	<0.40		mg/L
2321830	BKI	Spiked Blank	Aluminum (Al)	2022/08/13		81	%
			Antimony (Sb)	2022/08/13		108	%
			Silver (Ag)	2022/08/13		91	%
			Arsenic (As)	2022/08/13		97	%
			Barium (Ba)	2022/08/13		102	%
			Beryllium (Be)	2022/08/13		85	%
			Bismuth (Bi)	2022/08/13		97	%
			Boron (B)	2022/08/13		85	%
			Cadmium (Cd)	2022/08/13		101	%
			Calcium (Ca)	2022/08/13		90	%
			Chromium (Cr)	2022/08/13		92	%
			Cobalt (Co)	2022/08/13		94	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Copper (Cu)	2022/08/13		99	%
			Tin (Sn)	2022/08/13		108	%
			Iron (Fe)	2022/08/13		90	%
			Lithium (Li)	2022/08/13		86	%
			Magnesium (Mg)	2022/08/13		91	%
			Manganese (Mn)	2022/08/13		100	%
			Mercury (Hg)	2022/08/13		95	%
			Molybdenum (Mo)	2022/08/13		96	%
			Nickel (Ni)	2022/08/13		98	%
			Lead (Pb)	2022/08/13		100	%
			Potassium (K)	2022/08/13		92	%
			Selenium (Se)	2022/08/13		94	%
			Sodium (Na)	2022/08/13		109	%
			Strontium (Sr)	2022/08/13		106	%
			Tellurium (Te)	2022/08/13		97	%
			Thallium (Tl)	2022/08/13		96	%
			Titanium (Ti)	2022/08/13		100	%
			Tungsten (W)	2022/08/13		115	%
			Uranium (U)	2022/08/13		98	%
			Vanadium (V)	2022/08/13		91	%
			Zinc (Zn)	2022/08/13		97	%
2321830	BKI	Method Blank	Aluminum (Al)	2022/08/13	<5.0		ug/L
			Antimony (Sb)	2022/08/13	<0.0050		ug/L
			Silver (Ag)	2022/08/13	<0.0030		ug/L
			Arsenic (As)	2022/08/13	<0.080		ug/L
			Barium (Ba)	2022/08/13	<0.030		ug/L
			Beryllium (Be)	2022/08/13	<0.010		ug/L
			Bismuth (Bi)	2022/08/13	<0.0090		ug/L
			Boron (B)	2022/08/13	<0.30		ug/L
			Cadmium (Cd)	2022/08/13	<0.0060		ug/L
			Calcium (Ca)	2022/08/13	<20		ug/L
			Chromium (Cr)	2022/08/13	<0.040		ug/L
			Cobalt (Co)	2022/08/13	<0.0080		ug/L
			Copper (Cu)	2022/08/13	<0.050		ug/L
			Tin (Sn)	2022/08/13	<0.050		ug/L
			Iron (Fe)	2022/08/13	<0.50		ug/L
			Lithium (Li)	2022/08/13	<0.10		ug/L
			Magnesium (Mg)	2022/08/13	<10		ug/L
			Manganese (Mn)	2022/08/13	<0.030		ug/L
			Mercury (Hg)	2022/08/13	<0.0020		ug/L
			Molybdenum (Mo)	2022/08/13	<0.010		ug/L
			Nickel (Ni)	2022/08/13	<0.030		ug/L
			Lead (Pb)	2022/08/13	<0.010		ug/L
			Potassium (K)	2022/08/13	<10		ug/L
			Selenium (Se)	2022/08/13	<0.050		ug/L
			Sodium (Na)	2022/08/13	<10		ug/L
			Strontium (Sr)	2022/08/13	<0.040		ug/L
			Tellurium (Te)	2022/08/13	<0.0050		ug/L
			Thallium (Tl)	2022/08/13	<0.010		ug/L
			Titanium (Ti)	2022/08/13	<0.40		ug/L
			Tungsten (W)	2022/08/13	<0.040		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Uranium (U)	2022/08/13	<0.0010		ug/L
			Vanadium (V)	2022/08/13	<0.050		ug/L
			Zinc (Zn)	2022/08/13	<0.50		ug/L
			Total Hardness (CaCO3)	2022/08/13	<40		ug/L
2321837	BKI	Spiked Blank	Aluminum (Al)	2022/08/13		85	%
			Antimony (Sb)	2022/08/13		108	%
			Silver (Ag)	2022/08/13		95	%
			Arsenic (As)	2022/08/13		101	%
			Barium (Ba)	2022/08/13		102	%
			Beryllium (Be)	2022/08/13		87	%
			Bismuth (Bi)	2022/08/13		99	%
			Boron (B)	2022/08/13		86	%
			Cadmium (Cd)	2022/08/13		103	%
			Calcium (Ca)	2022/08/13		93	%
			Chromium (Cr)	2022/08/13		95	%
			Cobalt (Co)	2022/08/13		97	%
			Copper (Cu)	2022/08/13		101	%
			Tin (Sn)	2022/08/13		106	%
			Iron (Fe)	2022/08/13		93	%
			Lithium (Li)	2022/08/13		88	%
			Magnesium (Mg)	2022/08/13		91	%
			Manganese (Mn)	2022/08/13		102	%
			Mercury (Hg)	2022/08/13		98	%
			Molybdenum (Mo)	2022/08/13		98	%
			Nickel (Ni)	2022/08/13		96	%
			Lead (Pb)	2022/08/13		99	%
			Potassium (K)	2022/08/13		93	%
			Selenium (Se)	2022/08/13		98	%
			Sodium (Na)	2022/08/13		106	%
			Strontium (Sr)	2022/08/13		106	%
			Tellurium (Te)	2022/08/13		90	%
			Thallium (Tl)	2022/08/13		97	%
			Titanium (Ti)	2022/08/13		100	%
			Tungsten (W)	2022/08/13		110	%
			Uranium (U)	2022/08/13		98	%
			Vanadium (V)	2022/08/13		94	%
			Zinc (Zn)	2022/08/13		98	%
2321837	BKI	Method Blank	Aluminum (Al)	2022/08/12	<5.0		ug/L
			Antimony (Sb)	2022/08/12	<0.0050		ug/L
			Silver (Ag)	2022/08/12	<0.0030		ug/L
			Arsenic (As)	2022/08/12	<0.080		ug/L
			Barium (Ba)	2022/08/12	<0.030		ug/L
			Beryllium (Be)	2022/08/12	<0.010		ug/L
			Bismuth (Bi)	2022/08/12	<0.0090		ug/L
			Boron (B)	2022/08/12	<0.30		ug/L
			Cadmium (Cd)	2022/08/12	<0.0060		ug/L
			Calcium (Ca)	2022/08/12	<20		ug/L
			Chromium (Cr)	2022/08/12	<0.040		ug/L
			Cobalt (Co)	2022/08/12	<0.0080		ug/L
			Copper (Cu)	2022/08/12	<0.050		ug/L
			Tin (Sn)	2022/08/12	<0.050		ug/L

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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Iron (Fe)	2022/08/12	<0.50		ug/L
			Lithium (Li)	2022/08/12	<0.10		ug/L
			Magnesium (Mg)	2022/08/12	<10		ug/L
			Manganese (Mn)	2022/08/12	<0.030		ug/L
			Mercury (Hg)	2022/08/12	<0.0020		ug/L
			Molybdenum (Mo)	2022/08/12	<0.010		ug/L
			Nickel (Ni)	2022/08/12	<0.030		ug/L
			Lead (Pb)	2022/08/12	<0.010		ug/L
			Potassium (K)	2022/08/12	<10		ug/L
			Selenium (Se)	2022/08/12	<0.050		ug/L
			Sodium (Na)	2022/08/12	<10		ug/L
			Strontium (Sr)	2022/08/12	<0.040		ug/L
			Tellurium (Te)	2022/08/12	<0.0050		ug/L
			Thallium (Tl)	2022/08/12	<0.010		ug/L
			Titanium (Ti)	2022/08/12	<0.40		ug/L
			Tungsten (W)	2022/08/12	<0.040		ug/L
			Uranium (U)	2022/08/12	<0.0010		ug/L
			Vanadium (V)	2022/08/12	<0.050		ug/L
			Zinc (Zn)	2022/08/12	<0.50		ug/L
			Total Hardness (CaCO3)	2022/08/12	<40		ug/L
2321840	BKI	Spiked Blank	Aluminum (Al)	2022/08/13		82	%
			Antimony (Sb)	2022/08/13		108	%
			Silver (Ag)	2022/08/13		93	%
			Arsenic (As)	2022/08/13		101	%
			Barium (Ba)	2022/08/13		101	%
			Beryllium (Be)	2022/08/13		84	%
			Bismuth (Bi)	2022/08/13		100	%
			Boron (B)	2022/08/13		85	%
			Cadmium (Cd)	2022/08/13		103	%
			Calcium (Ca)	2022/08/13		91	%
			Chromium (Cr)	2022/08/13		90	%
			Cobalt (Co)	2022/08/13		93	%
			Copper (Cu)	2022/08/13		97	%
			Tin (Sn)	2022/08/13		104	%
			Iron (Fe)	2022/08/13		91	%
			Lithium (Li)	2022/08/13		86	%
			Magnesium (Mg)	2022/08/13		90	%
			Manganese (Mn)	2022/08/13		100	%
			Mercury (Hg)	2022/08/13		97	%
			Molybdenum (Mo)	2022/08/13		97	%
			Nickel (Ni)	2022/08/13		97	%
			Lead (Pb)	2022/08/13		100	%
			Potassium (K)	2022/08/13		92	%
			Selenium (Se)	2022/08/13		100	%
			Sodium (Na)	2022/08/13		108	%
			Strontium (Sr)	2022/08/13		107	%
			Tellurium (Te)	2022/08/13		94	%
			Thallium (Tl)	2022/08/13		98	%
			Titanium (Ti)	2022/08/13		98	%
			Tungsten (W)	2022/08/13		112	%
			Uranium (U)	2022/08/13		99	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Vanadium (V)	2022/08/13		92	%
			Zinc (Zn)	2022/08/13		97	%
2321840	BKI	Method Blank	Aluminum (Al)	2022/08/13	<5.0		ug/L
			Antimony (Sb)	2022/08/13	<0.0050		ug/L
			Silver (Ag)	2022/08/13	<0.0030		ug/L
			Arsenic (As)	2022/08/13	<0.080		ug/L
			Barium (Ba)	2022/08/13	<0.030		ug/L
			Beryllium (Be)	2022/08/13	<0.010		ug/L
			Bismuth (Bi)	2022/08/13	<0.0090		ug/L
			Boron (B)	2022/08/13	<0.30		ug/L
			Cadmium (Cd)	2022/08/13	<0.0060		ug/L
			Calcium (Ca)	2022/08/13	<20		ug/L
			Chromium (Cr)	2022/08/13	<0.040		ug/L
			Cobalt (Co)	2022/08/13	<0.0080		ug/L
			Copper (Cu)	2022/08/13	<0.050		ug/L
			Tin (Sn)	2022/08/13	<0.050		ug/L
			Iron (Fe)	2022/08/13	<0.50		ug/L
			Lithium (Li)	2022/08/13	<0.10		ug/L
			Magnesium (Mg)	2022/08/13	<10		ug/L
			Manganese (Mn)	2022/08/13	<0.030		ug/L
			Mercury (Hg)	2022/08/13	<0.0020		ug/L
			Molybdenum (Mo)	2022/08/13	<0.010		ug/L
			Nickel (Ni)	2022/08/13	<0.030		ug/L
			Lead (Pb)	2022/08/13	<0.010		ug/L
			Potassium (K)	2022/08/13	<10		ug/L
			Selenium (Se)	2022/08/13	<0.050		ug/L
			Sodium (Na)	2022/08/13	<10		ug/L
			Strontium (Sr)	2022/08/13	<0.040		ug/L
			Tellurium (Te)	2022/08/13	<0.0050		ug/L
			Thallium (Tl)	2022/08/13	<0.010		ug/L
			Titanium (Ti)	2022/08/13	<0.40		ug/L
			Tungsten (W)	2022/08/13	<0.040		ug/L
			Uranium (U)	2022/08/13	<0.0010		ug/L
			Vanadium (V)	2022/08/13	<0.050		ug/L
			Zinc (Zn)	2022/08/13	<0.50		ug/L
			Total Hardness (CaCO3)	2022/08/13	<40		ug/L
2323636	MOE	Spiked Blank	Radium-226	2022/08/17		95	%
			Radium-226	2022/08/17		95	%
			Radium-226	2022/08/17		95	%
2323636	MOE	Method Blank	Radium-226	2022/08/17	<0.005		Bq/L
			Radium-226	2022/08/17	<0.005		Bq/L
			Radium-226	2022/08/17	<0.005		Bq/L
2325018	FK1	Spiked Blank	Radium-226	2022/08/16		100	%
2325018	FK1	Method Blank	Radium-226	2022/08/16	<0.005		Bq/L
2325019	MOE	Spiked Blank	Radium-226	2022/08/20		90	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2325019	MOE	Method Blank	Radium-226	2022/08/22	<0.005		Bq/L

RDL = Reportable Detection Limit

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

(1) Recovery or relative percent difference (RPD) for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

<Signature removed>

Caroline Bougie, B.Sc. Chemist, Montreal, Laboratory Coordinator

<Signature removed>

Peter Corbiere, B.Sc., Chemist, Montréal, Analyst 2

<Signature removed>

Denis Shragin, B. Sc. Chemist, Québec, Analyst II

<Signature removed>

Danish Samad, Laboratory Supervisor

<Signature removed>

Jonathan Fauvel, B.Sc., Chemist, Montreal, Manager of Inorganics

<Signature removed>

Michelina Cinquino, Analyst II

<Signature removed>

Mira El Masri, M.Sc. Chemist, Montréal, Analyst II

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VALIDATION SIGNATURE PAGE(CONT'D)

The analytical data and all QC contained in this report were reviewed and validated by:

<Signature removed>

Shu Yang, B.Sc. Chemist, Montreal, Analyst II

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251275
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251275-01-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Possiblement une bouteille de MES de trop... (erreur terrain)

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Analysis Requested: EAU SURFACE avec chlorophylle - Projet 22-0186	Analysis Requested: MES Basse limite	# of Bottles	Comments
1		St-1	28-07-2022	13:30	ES	N	N	X		X	21	Bouteille DIC filtrée Bat. MES Basse limite 1L
2		St-2	28-07-2022	10:36	ES	N	N	X		X	21	" " "
3		St-3	28-07-2022	17:20	ES	N	N	X		X	21	" " "
4		St-4	30-07-2022	16:45	ES	N	N	X		X	21	" " "
5		St-5	30-07-2022	15:00	ES	N	N		X	X	24	" " "
6		St-6	30-07-2022	14:00	ES	N	N	X		X	21	" " "
7		ST-7A Surf	29-07-2022	15:45	ES	N	N		X	X	24	" " "
8		ST-7A Fond	29-07-2022	16:15	ES	N	N		X	X	24	" " "
9		ST-7B Surf	29-07-2022	14:00	ES	N	N		X	X	24	" " "
10		ST-7B Fond	29-07-2022	14:30	ES	N	N		X	X		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Rachel Hussherr	22/08/01	15:45			16h		☐	13 10 6	☐ Yes ☒ No

WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE
'ERMS-AND-CONDITIONS.
ER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

C239989_COC

Placer
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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251275
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251275-02-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
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Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Analysis Requested: EAU SURFACE avec chlorophylle - Projet 22-0186	# of Bottles	Comments
1		ST-8 Surf	2022-07-29	10:30	ES				X	24	Bouteilles DIC filtrées Bout. MES Basse limite 1L
2		ST-8 Fond	2022-07-29	10:30	ES				X	24	" " "
3		ST-9	2022-07-30	12:22	ES			X		21	" " "
4		ST-10	2022-07-29	12:27	ES			X		21	" " "
5		ST-11 Surface	2022-07-30	9:10	ES				X	24	" " "
6		ST-11 Fond	2022-07-30	9:20	ES				X	24	" " "
7		ST-12	2022-07-30	10:52	ES				X	24	" " "
8		ST-13	2022-07-28	15:20	ES			X		21	" " "
9		ST-14	2022-07-28	11:26	ES			X		21	" " "
10		dup-1	2022-07-28	—	ES			X	X	21	" " "

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Rachel Hussherr	22-08-01	15:45			16h	

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐	13 10 6	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

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Chain Of Custody Record

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Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251275
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251275-03-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

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Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SURFACE sans chlorophylle - Projet 22-0186	Analysis Requested: EAU SURFACE avec chlorophylle - Projet 22-0186	# of Bottles	Comments
1		dup-2	2022-07-29	—	ES	N	N		X	24	Pas de Chla DIC filtré MES 12
2		dup-3	2022-07-30	—	ES	N	N	X	~~X~~ 1	21	Pas de Chl a DIC filtré MES 12
3		~~dup-4~~							~~X~~ 2		
4		~~dup-5~~							~~X~~ 2		
5		BLANC DE TRANSPORT1							X	21	
6		~~BLANC DE TRANSPORT2~~							~~X~~ 1		
7		BLANC DE TERRAIN1 BT-1	2022-07-28					X	~~X~~ 1	21	Pas de bouteille pour MES basse limite
8		BLANC DE TERRAIN2 BT-2	2022-07-29						X	22	Pas de bouteille MES basse limite Une Seule Bouteille de Chla
9		BLANC DE TERRAIN3 BT-3	2022-07-30						X	22	Pas de bouteille MES basse limite Une Seule Bouteille de Chl a
10		~~BLANC DE TERRAIN4~~							~~X~~ 1		

Turnaround Time (TAT) Required

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Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Rachel Hussherr	22/08/01	15:45			16h	

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐	13 10 6	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

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eurofins | EnvironeX
4495, boul. Wilfrid-Hamel, suite 150, Québec (Québec) G1P 2J7 (418) 977-1220
2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001
3705, boul. Industriel, Sherbrooke (Québec) J1L 1X8 (819) 481-1469
Sans frais : 1 (877) 977-1220

CERTIFICAT D'ANALYSES OFFICIEL

Bureau Veritas (Sainte-Foy)
Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387138

Identification client : KS7310-St-5
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.62**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

Accr. * : Accréditation du MELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées -- PNA : Paramètre non-accrédité
Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
Ce certificat ne peut être reproduit, sinon en entier, sans l'autorisation écrite du laboratoire. Résultats applicables qu'aux échantillons soumis à l'analyse.
Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.

CONFIDENTIEL

eurofins | EnvironeX
4495, boul. Wilfrid-Hamel, suite 150, Québec (Québec) G1P 2J7 (418) 977-1220
2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001
3705, boul. Industriel, Sherbrooke (Québec) J1L 1X8 (819) 481-1469
Sans frais : 1 (877) 977-1220

CERTIFICAT D'ANALYSES OFFICIEL

Bureau Veritas (Sainte-Foy)
Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387139

Identification client : KS7312-ST-7A surf
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**2.01**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

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CERTIFICAT D'ANALYSES OFFICIEL

Bureau Veritas (Sainte-Foy)
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2690 avenue Dalton
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G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387140

Identification client : KS7313-ST-7A Fond
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.21**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387141

Identification client : KS7314-ST-7B Surf
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.83**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387142

Identification client : KS7315-ST-7B Fond
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.74**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387143

Identification client : KS7316-ST-8 Surf
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.33**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387144

Identification client : KS7317-ST-8 Fond
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.75**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387145

Identification client : KS7320-ST-11 Surface
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.15**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387146

Identification client : KS7321-ST-11 Fond
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.2**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387147

Identification client : KS7322-ST-12
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.18**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387148

Identification client : KS7326-dup-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.34**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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2690 avenue Dalton
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G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387149

Identification client : KS7328-BLANC DE TRAN
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-31
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : Lot 22JL21-A

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**<.1**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387150

Identification client : KS7330-BT-2 LOT 22JL21
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**<.1**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
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Données sur le prélèvement

Échantillon EnvironeX : 6387151

Identification client : KS7331-BT-3 LOT 22JL21
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**<.1**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

Accr. * : Accréditation du MELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées -- PNA : Paramètre non-accrédité
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Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387152

Identification client : KS7332-ST-5-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.15**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387153

Identification client : KS7333-ST-5-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.53**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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CONFIDENTIEL

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Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387154

Identification client : KS7334-ST-7A Surf-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.21**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387155

Identification client : KS7335-ST-7A Surf-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.55**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387156

Identification client : KS7336-ST-7A Fond-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.93**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
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Données sur le prélèvement

Échantillon EnvironeX : 6387157

Identification client : KS7337-ST-7A Fond-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.15**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.

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Bureau Veritas (Sainte-Foy)
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2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387158

Identification client : KS7338-ST-7B Surf-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.43**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387159

Identification client : KS7339-ST-7B Surf-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.41**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Demande d'analyse : 100176246
Date du rapport: 2022-08-09
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Données sur le prélèvement

Échantillon EnvironeX : 6387160

Identification client : KS7340-ST-7B fond-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.08**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387161

Identification client : KS7341-ST-7B Fond-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.03**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387162

Identification client : KS7342-ST-8 Surf-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.14**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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CONFIDENTIEL

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Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387163

Identification client : KS7343-ST-8 Surf-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.35**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387164

Identification client : KS7344-ST-8 Fond-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.97**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387165

Identification client : KS7345-ST-8 Fond-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.89**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387166

Identification client : KS7346-ST-11 Surface-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.17**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

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Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.

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3705, boul. Industriel, Sherbrooke (Québec) J1L 1X8 (819) 481-1469
Sans frais : 1 (877) 977-1220

CERTIFICAT D'ANALYSES OFFICIEL

Bureau Veritas (Sainte-Foy)
Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387167

Identification client : KS7347-ST-11 Surface-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.15**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Soustraitance
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G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387168

Identification client : KS7348-ST-11 Fond-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.29**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
Ce certificat ne peut être reproduit, sinon en entier, sans l'autorisation écrite du laboratoire. Résultats applicables qu'aux échantillons soumis à l'analyse.
Tous les résultats d'analyse provenant de matrice solide sont calculés sur une base sèche, à moins d'avis contraires.

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CERTIFICAT D'ANALYSES OFFICIEL

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G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387169

Identification client : KD7349-ST-11 Fond-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.29**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387170

Identification client : KS7350-ST-12-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.33**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

Accr. * : Accréditation du MELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées -- PNA : Paramètre non-accrédité
Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

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2325, boul. Fernand-Lafontaine, Longueuil (Québec) J4N 1N7 (514) 332-6001
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CERTIFICAT D'ANALYSES OFFICIEL

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Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387171

Identification client : KS7351-ST-12-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-30
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.17**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

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CONFIDENTIEL

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CERTIFICAT D'ANALYSES OFFICIEL

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Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387172

Identification client : KS7352-DUP-2-1
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**0.99**	µg/L		

Commentaires de l'échantillon L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Avertissement | Hors critères

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Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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CONFIDENTIEL

eurofins | EnvironeX
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CERTIFICAT D'ANALYSES OFFICIEL

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2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:

Certificat : **3344462**
Demande d'analyse : 100176246
Date du rapport: 2022-08-09
Projet client : C239989
Bon de commande : C239989
Chargé de projets : Nada Bouchrika : 514-332-6001 #5100
Adresse courriel : Nada.Bouchrika@et.eurofinsca.com

Données sur le prélèvement

Échantillon EnvironeX : 6387173

Identification client : KS7353-DUP-2-2
Nature : Eau de surface
Nom du préleveur : Elodie Bergeron
Date de prélèvement: 2022-07-29
Date de réception: 2022-08-03
Lieu du prélèvement : Voir Référence
Info. supplémentaires : NA

État à la réception : Conforme

Chlore résiduel libre : NA
Chlore résiduel total : NA
Chloramine : NA
Résultat pH : NA
Température à la réception (°C) : 7.6

Paramètres	Accr. *	Méthode Interne	Résultats	Unités	Date d'analyse	Laboratoire
Chlorophylle A	Non	ILCE-071			2022-08-09	SH
Chlorophylle A			**1.23**	µg/L		

Commentaires de l'échantillon : L'analyse de chlorophylle A a été effectuée dans un délai dépassé, à la demande du client.

Commentaires du certificat : C.C :
Madison Tremblay : Madison.TREMBLAY@bvlabs.com

<Signature removed>
Approuvé pa
Vanessa Perreault, M. Sc.
Chimiste, site de Québec
Vanessa Perreault 2015-121 QUÉBEC

Avertissement | Hors critères

Accr. * : Accréditation du MELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées -- PNA : Paramètre non-accrédité
Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe / Méthode interne : CHM ou MBIO (méthodes QC) ; ILCE ou ILME (méthodes LG)

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CONFIDENTIEL

Contrôle de la qualité

Bureau Veritas (Sainte-Foy)
Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:
Fax:

Certificat: **3344462**
Date du rapport: 2022-08-09
Client: D32130581
Site: Madison Tremblay
Projet: D32130581-3
Nom du Projet: C239989
Commande:

Paramètres	Contrôle	NoContrôle	Résultats	Valeur attendue	Écarts	LR	Unités
SCCCHLO01 - Chlorophylle A							
Échant 6387138							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387139							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387140							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387141							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387142							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387143							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387144							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387145							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387146							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387147							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387148							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387149							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387150							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387151							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387152							

Accr. * : Accréditation du MDDELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées = Hors normes
Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
Ce certificat ne peut être reproduit, sinon en entier, sans l'autorisation écrite du laboratoire.
Résultats applicables qu'aux échantillons soumis à l'analyse.

CONFIDENTIEL

Contrôle de la qualité

Bureau Veritas (Sainte-Foy)
Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:
Fax:

Certificat: **3344462**
Date du rapport: 2022-08-09
Client: D32130581
Site: Madison Tremblay
Projet: D32130581-3
Nom du Projet: C239989
Commande:

Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387153							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387154							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387155							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387156							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387157							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387158							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387159							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387160							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387161							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387162							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387163							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387164							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387165							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387166							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387167							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387168							

Accr. * : Accréditation du MDDELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées = Hors normes
Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Résultats applicables qu'aux échantillons soumis à l'analyse.

CONFIDENTIEL

Contrôle de la qualité

Bureau Veritas (Sainte-Foy)
Soustraitance
2690 avenue Dalton
Sainte-Foy, Québec
G1P 3S4
Tél.:
Fax:

Certificat: **3344462**
Date du rapport: 2022-08-09
Client: D32130581
Site: Madison Tremblay
Projet: D32130581-3
Nom du Projet: C239989
Commande:

Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387169							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387170							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387171							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387172							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L
Échant 6387173							
Chlorophylle A	Blanc	6393507	<.1	N/D	N/D	0.1	µg/L

Accr. * : Accréditation du MDDELCC -- NA : Non-Applicable -- TNI: Colonies trop nombreuses pour être identifiées -- TNC : Colonies trop nombreuses pour être comptées = Hors normes
Laboratoire traitant : QC : Québec; LG : Longueuil; SH :Sherbrooke; ST : Sous-traitance externe

À moins d'une demande explicite du client, les échantillons d'analyse chimiques seront entreposés au maximum 21 jours après l'émission du certificat pour les paramètres dont le délai analytique le permet.
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Résultats applicables qu'aux échantillons soumis à l'analyse.

Environnement et Lutte contre les changements climatiques
Québec

Certificat d'analyse

Direction de l'analyse chimique
850 boul. Vanier
Laval (Québec) H7C 2M7
Tél.: 450 664-1750
Fax: 450 661-8512

Client: Bureau Veritas Canada (2019) Inc. - Québec
2690, Dalton
Québec (Québec) G1P 3S4

Nom de projet: Maxxam Québec
Responsable: Maxxam Analytics
Téléphone: 418-658-5784
Code projet client:

Date de réception: 4 août 2022
Numéro de dossier: L060180
Bon de commande: C239989
Code projet CEAEQ: 1161

Numéro de l'échantillon : L060180-01

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7306-(033)
Description de prélèvement: St-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	1,27	mg/l	0,15

Numéro de l'échantillon : L060180-02

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7307
Description de prélèvement: St-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	1,13	mg/l	0,15

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Version 1 (1368371)

Certificat d'analyse (suite de l'échantillon numéro : L060180-03)

Numéro de l'échantillon : L060180-03

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7308
Description de prélèvement: St-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	35,5	mg/l	0,15

Numéro de l'échantillon : L060180-04

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7309
Description de prélèvement: St-4
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,70	mg/l	0,15

Numéro de l'échantillon : L060180-05

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7310
Description de prélèvement: St-5
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,71	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060180-06)

Numéro de l'échantillon : L060180-06

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7311
Description de prélèvement: St-6
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	4,64	mg/l	0,15

Numéro de l'échantillon : L060180-07

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7312
Description de prélèvement: ST-7A Surf
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,79	mg/l	0,15

Numéro de l'échantillon : L060180-08

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7313
Description de prélèvement: ST-7A Fond
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,67	mg/l	0,15

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Version 1 (1368371)

Certificat d'analyse (suite de l'échantillon numéro : L060180-09)

Numéro de l'échantillon : L060180-09

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7314
Description de prélèvement: ST-7B Surf
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	0,67	mg/l	0,15

Numéro de l'échantillon : L060180-10

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7315
Description de prélèvement: ST-7B Fond
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	0,67	mg/l	0,15

Numéro de l'échantillon : L060180-11

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7316
Description de prélèvement: ST-8 Surf
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	0,68	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060180-12)

Numéro de l'échantillon : L060180-12

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7317
Description de prélèvement: ST-8 Fond
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,67	mg/l	0,15

Numéro de l'échantillon : L060180-13

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7318
Description de prélèvement: ST-9
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,74	mg/l	0,15

Numéro de l'échantillon : L060180-14

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7319
Description de prélèvement: ST-10
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,59	mg/l	0,15

Ce certificat ne doit pas être reproduit, sinon en entier, sans le consentement écrit du CEAEQ

Certificat d'analyse (suite de l'échantillon numéro : L060180-15)

Numéro de l'échantillon : L060180-15

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7320
Description de prélèvement: ST-11 Surface
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,68	mg/l	0,15

Numéro de l'échantillon : L060180-16

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7321
Description de prélèvement: ST-11 Fond
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,73	mg/l	0,15

Numéro de l'échantillon : L060180-17

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7322
Description de prélèvement: ST-12
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,69	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060180-18)

Numéro de l'échantillon : L060180-18

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7323
Description de prélèvement: ST-13
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,17	mg/l	0,15

Numéro de l'échantillon : L060180-19

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7324
Description de prélèvement: ST-14
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	1,14	mg/l	0,15

Numéro de l'échantillon : L060180-20

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7325
Description de prélèvement: dup-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,65	mg/l	0,15

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Version 1 (1368371)

Certificat d'analyse (suite de l'échantillon numéro : L060180-21)

Numéro de l'échantillon : L060180-21

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7326
Description de prélèvement: dup-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	0,68	mg/l	0,15

Numéro de l'échantillon : L060180-22

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7327
Description de prélèvement: dup-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	0,68	mg/l	0,15

Numéro de l'échantillon : L060180-23

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS7328
Description de prélèvement: BLANC DE TRANSPORT1 LOT 22JL21-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 9 août 2022			
Sulfates	<0,15	mg/l	0,15

Ce certificat ne doit pas être reproduit, sinon en entier, sans le consentement écrit du CEAEQ

Certificat d'analyse (suite de l'échantillon numéro : L060180-24)

Numéro de l'échantillon : L060180-24

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7329
Description de prélèvement: BT-1 LOT 22JL21-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L060180-25

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7330
Description de prélèvement: BT-2 LOT 22JL21-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L060180-26

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7331
Description de prélèvement: BT-3 LOT 22JL21-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Les résultats ne se rapportent qu'à l'échantillon soumis à l'analyse.

J'atteste avoir formellement constaté ces faits

***Certificat approuvé le* 24 août 2022**

<Signature removed>

Joleine Salomon, chimiste
Contaminants inorganiques, Laval

Légende:
ABS: Absence
DNQ: Résultat entre la LDM et la LQM
INT: Interférences - Analyse impossible
ND: Non détecté
ST: Sous-traitance
PR: Présence
RNF: Résultat non disponible
NDR: Détecté - Mais ne satisfait pas le rapport isotopique
TNI: Colonies trop nombreuses pour être identifiées
VR: Voir remarque

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Version 1 (1368371)

Your Project #: ENVMTL JOB#C239989

Attention: SOUSTRAITANCEQUE

BUREAU VERITAS CANADA (2019) INC.
MONTREAL
889 MONTEE DE LIESSE
VILLE ST-LAURENT, QC
CANADA H4T 1P5

Your C.O.C. #: c239989-mcal-01-01, c239989-mcal-02-01, c239989-mcal-03-01

Report Date: 2022/08/31
Report #: R3224460
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C260760
Received: 2022/08/12, 08:40

Sample Matrix: Water
Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Fluoride - Low Level	26	N/A	2022/08/18	AB SOP-00005	SM 23 4500-F C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

Your Project #: ENVMTL JOB#C239989

Attention: SOUSTRAITANCEQUE

BUREAU VERITAS CANADA (2019) INC.
MONTREAL
889 MONTEE DE LIESSE
VILLE ST-LAURENT, QC
CANADA H4T 1P5

Your C.O.C. #: c239989-mcal-01-01, c239989-mcal-02-01, c239989-mcal-03-01

Report Date: 2022/08/31
Report #: R3224460
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C260760
Received: 2022/08/12, 08:40

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Solutions, Western Canada Customer Experience Team
Email: customersolutionswest@bureauveritas.com
Phone# (403) 291-3077

==========

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For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		AZQ841		AZQ842		AZQ843		
Sampling Date		2022/07/28		2022/07/28		2022/07/28		
COC Number		c239989-mcal-01-01		c239989-mcal-01-01		c239989-mcal-01-01		
	UNITS	KS7306-(033) ST-1	QC Batch	KS7307-ST2	QC Batch	KS7308-ST-3	RDL	QC Batch
Misc. Inorganics								
Fluoride (F)	mg/L	0.020	A686177	0.019	A686175	0.029	0.010	A686002
RDL = Reportable Detection Limit								

Bureau Veritas ID		AZQ844		AZQ845	AZQ846		
Sampling Date		2022/07/30		2022/07/30	2022/07/30		
COC Number		c239989-mcal-01-01		c239989-mcal-01-01	c239989-mcal-01-01		
	UNITS	KS7309-ST-4	QC Batch	KS7310-ST-5	KS7311-ST-6	RDL	QC Batch
Misc. Inorganics							
Fluoride (F)	mg/L	0.019	A686185	0.017	0.019	0.010	A686177
RDL = Reportable Detection Limit							

Bureau Veritas ID		AZQ847		AZQ848		AZQ849		
Sampling Date		2022/07/29		2022/07/29		2022/07/29		
COC Number		c239989-mcal-01-01		c239989-mcal-01-01		c239989-mcal-01-01		
	UNITS	KS7312-ST-7A SURF	QC Batch	KS7313-ST-7A FOND	QC Batch	KS7314-ST-7B-SURF	RDL	QC Batch
Misc. Inorganics								
Fluoride (F)	mg/L	0.017	A686002	0.017	A686177	0.018	0.010	A686185
RDL = Reportable Detection Limit								

Bureau Veritas ID		AZQ850		AZQ907	AZQ908		
Sampling Date		2022/07/29		2022/07/29	2022/07/29		
COC Number		c239989-mcal-01-01		c239989-mcal-02-01	c239989-mcal-02-01		
	UNITS	KS7315-ST-7B-FOND	QC Batch	KS7316-ST-8 SURF	KS7317-ST-8 FOND	RDL	QC Batch
Misc. Inorganics							
Fluoride (F)	mg/L	0.017	A686002	0.017	0.019	0.010	A686185
RDL = Reportable Detection Limit							

Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		AZQ909		AZQ910		AZQ911		
Sampling Date		2022/07/30		2022/07/29		2022/07/30		
COC Number		c239989-mcal-02-01		c239989-mcal-02-01		c239989-mcal-02-01		
	UNITS	KS7318-ST-9	QC Batch	KS7319-ST-10	QC Batch	KS7320-ST-11 SURFACE	RDL	QC Batch
Misc. Inorganics								
Fluoride (F)	mg/L	0.016	A686177	0.022	A686185	0.025	0.010	A686177
RDL = Reportable Detection Limit								

Bureau Veritas ID		AZQ912	AZQ913	AZQ914		
Sampling Date		2022/07/30	2022/07/30	2022/07/28		
COC Number		c239989-mcal-02-01	c239989-mcal-02-01	c239989-mcal-02-01		
	UNITS	KS7321-ST-11 FOND	KS7322-ST-12	KS7323-ST-13	RDL	QC Batch
Misc. Inorganics						
Fluoride (F)	mg/L	0.016	0.017	0.017	0.010	A686177
RDL = Reportable Detection Limit						

Bureau Veritas ID		AZQ915		AZQ916	AZQ940		
Sampling Date		2022/07/28		2022/07/28	2022/07/29		
COC Number		c239989-mcal-02-01		c239989-mcal-02-01	c239989-mcal-03-01		
	UNITS	KS7324-ST-14	QC Batch	KS7325-DUP-1	KS7326-DUP-2	RDL	QC Batch
Misc. Inorganics							
Fluoride (F)	mg/L	0.020	A686175	0.020	0.017	0.010	A686185
RDL = Reportable Detection Limit							

Bureau Veritas ID		AZQ941		AZQ942		AZQ943		
Sampling Date		2022/07/30		2022/07/31		2022/07/28		
COC Number		c239989-mcal-03-01		c239989-mcal-03-01		c239989-mcal-03-01		
	UNITS	KS7327-DUP-3	QC Batch	KS7328-BLANC DE TRANSPORT1 LOT 22JL21-A	QC Batch	KS7329-BT-1 LOT 22JL21-A	RDL	QC Batch
Misc. Inorganics								
Fluoride (F)	mg/L	0.016	A686177	<0.010	A686185	<0.010	0.010	A686175
RDL = Reportable Detection Limit								

Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		AZQ944	AZQ945		
Sampling Date		2022/07/29	2022/07/30		
COC Number		c239989-mcal-03-01	c239989-mcal-03-01		
	UNITS	**KS7330-BT-2 LOT 22JL21-A**	**KS7331-BT-3 LOT 22JL21-A**	**RDL**	**QC Batch**
Misc. Inorganics					
Fluoride (F)	mg/L	<0.010	<0.010	0.010	A686177
RDL = Reportable Detection Limit					

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.3°C

Results relate only to the items tested.

Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A686002	JLD	Matrix Spike	Fluoride (F)	2022/08/18		88	%	80 - 120
A686002	JLD	Spiked Blank	Fluoride (F)	2022/08/18		93	%	80 - 120
A686002	JLD	Method Blank	Fluoride (F)	2022/08/18	<0.010		mg/L	
A686002	JLD	RPD	Fluoride (F)	2022/08/18	0		%	20
A686175	JLD	Matrix Spike [AZQ943-01]	Fluoride (F)	2022/08/18		87	%	80 - 120
A686175	JLD	Spiked Blank	Fluoride (F)	2022/08/18		93	%	80 - 120
A686175	JLD	Method Blank	Fluoride (F)	2022/08/18	<0.010		mg/L	
A686175	JLD	RPD [AZQ842-01]	Fluoride (F)	2022/08/18	1.6		%	20
A686177	JLD	Matrix Spike [AZQ941-01]	Fluoride (F)	2022/08/18		88	%	80 - 120
A686177	JLD	Spiked Blank	Fluoride (F)	2022/08/18		94	%	80 - 120
A686177	JLD	Method Blank	Fluoride (F)	2022/08/18	<0.010		mg/L	
A686177	JLD	RPD [AZQ914-01]	Fluoride (F)	2022/08/18	2.4		%	20
A686185	JLD	Matrix Spike [AZQ907-01]	Fluoride (F)	2022/08/18		87	%	80 - 120
A686185	JLD	Spiked Blank	Fluoride (F)	2022/08/18		94	%	80 - 120
A686185	JLD	Method Blank	Fluoride (F)	2022/08/18	<0.010		mg/L	
A686185	JLD	RPD [AZQ916-01]	Fluoride (F)	2022/08/18	2.5		%	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

<Signature removed>

Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eaux de surface
Your C.O.C. #: 71702

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/12/21
Report #: R2815009
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C240111
Received: 2022/08/01, 16:00

Sample Matrix: Surface Water
Samples Received: 76

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Trace Level Total Phosphorus (CEAEQ) (1)	76	N/A	N/A		

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
Note: RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by CEAEQ-Quebec,

Note: All parameters included in the present certificate are accredited by the MELCC unless stated otherwise.

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: Eaux de surface
Your C.O.C. #: 71702

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/12/21
Report #: R2815009
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C240111
Received: 2022/08/01, 16:00

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Madison Tremblay, Project Manager
Email: madison.tremblay@bureauveritas.com
Phone# (418)658-5784 Ext:7066426

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Aglaia Yannakis, General Manager responsible for Quebec Environmental laboratory operations.

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

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889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 251261
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-01-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Analysis Requested

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		St-1-1	28-07-2022	13:32	ES	N	N	X	1	triplicatas
2		St-1-2	28-07-2022	13:32	ES	N	N	X	1	
3		St-1-3	28-07-2022	13:32	ES	N	N	X	1	
4		St-2-1	28-07-2022	10:36	ES	N	N	X	1	triplicatas
5		St-2-2	28-07-2022	10:36	ES	N	N	X	1	
6		St-2-3	28-07-2022	10:36	ES	N	N	X	1	
7		St-3-1	28-07-2022	17:20	ES	N	N	X	1	triplicatas
8		St-3-2	28-07-2022	17:20	ES	N	N	X	1	
9		St-3-3	28-07-2022	17:20	ES	N	N	X	1	
10		St-4-1	28-07-2022	16:45	ES	N	N	X	1	?

C240111_COC

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Rachel Hussherr	22-08-01	15:45					☐	13 10 6	☐ Yes ☒ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251261
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-02-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		St-4-2	30-07-2022	16:45	ES	N	N	X	~~2~~ 1	} triplicatas
2		St-4-3	30-07-2022	16:45	ES	N	N	X	1	
3		St-5-1	30-07-2022	15:00	ES	N	N	X	1	
4		St-5-2	30-07-2022	15:00	ES	N	N	X	1	} triplicatas
5		St-5-3	30-07-2022	15:00	ES	N	N	X	1	
6		St-6-1	30-07-2022	14:00	ES	N	N	X	1	
7		St-6-2	30-07-2022	14:00	ES	N	N	X	1	} triplicatas
8		St-6-3	30-07-2022	14:00	ES	N	N	X	1	
9		ST-7A Surf-1	29-07-2022	15:45	ES	N	N	X	1	
10		ST-7A Surf-2	29-07-2022	15:45	ES	N	N	X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Rachel Hussherr <Signature removed>	22-08-01	15:45					☐	13 10 6	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251261
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-03-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

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Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Analysis Requested: Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		ST-7A Surf-3	31-07-2022	9:40	ES			X	1	
2		ST-7A Fond-1	29-07-2022	~~15:45~~ 16:15	ES			X	1	} triplicatas
3		ST-7A Fond-2	29-07-2022	~~15:45~~ 16:15	ES			X	1	
4		ST-7A Fond-3	29-07-2022	~~15:45~~ 16:15	ES			X	1	
5		ST-7B Surf-1	29-07-2022	14:00	ES			X	1	} triplicatas
6		ST-7B Surf-2	29-07-2022	14:00	ES			X	1	
7		ST-7B Surf-3	29-07-2022	14:00	ES			X	1	
8		ST-7B Fond-1	29-07-2022	14:30	ES			X	1	} triplicatas
9		ST-7B Fond-2	29-07-2022	14:30	ES			X	1	
10		ST-7B Fond-3	29-07-2022	14:30	ES			X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Rachel Hussherr	2022-08-01	15:45					☐	13 10 6	☐ Yes ☐ No
<Signature removed>									

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

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889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 251261
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-04-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		ST-8 Surf-1	2022-07-29	10:30	ES			X	1	triplicatas
2		ST-8 Surf-2	2022-07-29	10:30	ES			X	1	
3		ST-8 Surf-3	2022-07-29	10:30	ES			X	1	
4		ST-8 Fond-1	2022-07-29	10:30	ES			X	1	triplicatas
5		ST-8 Fond-2	2022-07-29	10:30	ES			X	1	
6		ST-8 Fond-3	2022-07-29	10:30	ES			X	1	
7		St-9-1	2022-07-30	12:22	ES			X	1	triplicatas
8		St-9-2	2022-07-30	12:22	ES			X	1	
9		St-9-3	2022-07-30	12:22	ES			X	1	
10		St-10-1	2022-07-29	12:29	ES			X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
Rachel Hussherr <Signature removed>	22-08-01	15:45					☐	13 10 6	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

16 h

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel (514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251261
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-05-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		St-10-2	29-07-2022	12:27	ES	N	N	X	1	triplicatas
2		St-10-3	29-07-2022	12:27	ES	N	N	X	1	
3		ST-11 Surface-1	30-07-2022	9:10	ES	N	N	X	1	triplicatas
4		ST-11 Surface-2	30-07-2022	9:10	ES	N	N	X	1	
5		ST-11 Surface-3	30-07-2022	9:10	ES	N	N	X	1	
6		ST-11 Fond-1	30-07-2022	9:20	ES	N	N	X	1	triplicatas
7		ST-11 Fond-2	30-07-2022	9:20	ES	N	N	X	1	
8		ST-11 Fond-3	30-07-2022	9:20	ES	N	N	X	1	
9		St-12-1	30-07-2022	10:52	ES	N	N	X	1	triplicatas
10		St-12-2	30-07-2022	10:52	ES	N	N	X	1	

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Rachel Hussherr <Signature removed>	22-08-01	15:45				

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐	13 10 6	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

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White: Bureau Veritas Yellow: Client

16 h

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889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free (877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 251261
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-06-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10ºC) from time of sampling until delivery to Bureau Veritas

Analysis Requested

Turnaround Time (TAT) Required

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Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		St-12-3	2022-07-30	10:52	ES	N	N	X	1	
2		St-13-1	2022-07-28	15:20	ES	N	N	X	1	triplicatas
3		St-13-2	2022-07-28	15:20	ES	N	N	X	1	
4		St-13-3	2022-07-28	15:20	ES	N	N	X	1	
5		St-14-1	2022-07-28	11:26	ES	N	N	X	1	triplicatas
6		St-14-2	2022-07-28	11:26	ES	N	N	X	1	
7		St-14-3	2022-07-28	11:26	ES	N	N	X	1	
8		dup-1-1	2022-07-28	—	ES	N	N	X	1	triplicatas
9		dup-1-2	2022-07-28	—	ES	N	N	X	1	
10		dup-1-3	2022-07-28	—	ES	N	N	X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Rachel Hussherr <Signature removed>	2208-01	15:45				

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐	13 10 6	☐ Yes ☐ No

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White: Bureau Veritas Yellow: Client

16h

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251261
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-07-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
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	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y/N)	Metals Field Filtered ? (Y/N)	Analysis Requested: Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		dup-2-1	2022-07-29	—	ES			X	1	} triplicatas
2		dup-2-2	2022-07-29	—	ES			X	1	
3		dup-2-3	2022-07-29	—	ES			X	1	
4		dup-3-1	2022-07-30	—	ES			X	1	} triplicatas
5		dup-3-2	2022-07-30	—	ES			X	1	
6		dup-3-3	2022-07-30	—	ES			X	1	
7		~~dup-4-1~~						~~X~~		
8		~~dup-4-2~~						~~X~~		
9		~~dup-4-3~~						~~X~~		
10		~~dup-5-1~~						~~X~~		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
Rachel Hussherr	22-08-01	15:45					☐	13 10 6	☐ Yes ☒ No
<Signature removed>									

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White: Bureau Veritas Yellow: Client

RECEIVED

16h

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251261
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251261-08-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
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Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: Phosphore total à l'état de trace(CEAEQ)	# of Bottles	Comments
1		~~dup-5-2~~						~~X~~		
2		~~dup-5-3~~						~~X~~		
3		BLANC DE TRANSPORT1	30-07-2022	/	ES	N	N	X		
4		~~BLANC DE TRANSPORT2~~						~~X~~		
5		BLANC DE TERRAIN1 BT-1	28-07-2022	/	ES	N	N	X		3 vials de phosphore
6		BLANC DE TERRAIN2 BT-2	29-07-2022	/	ES	N	N	X		3 vials de phosphore
7		BLANC DE TERRAIN3 BT-3	30-07-2022	/	ES	N	N	X		2 vials de phosphore
8		~~BLANC DE TERRAIN4~~						~~X~~		
9		~~BLANC DE TERRAIN5~~						~~X~~		
10										

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Rachel Hussherr <Signature removed>	22-08-01	15:45				

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐	13 10 6	☐ Yes ☐ No

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White: Bureau Veritas Yellow: Client

REÇU le 01 AOÛT 2022 16h

1 vial pour tous, sauf blanc transport → 2
BT1 → 3
BT2 → 3
BT3 → ~~3~~ 2

* Ne pas suivre le eCoC, les IDs sont erronées *
eCoCQ71702

eCOC: Q71702

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env

Invoice Information

Dest.: Comptes payables
Nemaska Lithium Inc.
1250, boul.René-Lévesque Ouest
Suite 2200
Montréal , QC , H3B 4W8
Email to:
payables@nemaskalithium.com
jeannie.marchand@nemaskalithium.com

Report Information

Dest.: Rachel Hussherr
Groupe Synergis
5582
boulevard des Hêtres
Shawinigan , QC , G9N 4W1
Email to:
rhussherr@synergis.ca

Project Information

Quote #: C20034
PO/AFE#:
Project #: 22-0186
Site Location: Eaux de surface

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Trace Level Total Phosphorus (CEAEQ)
St-1-1	1	2022/07/31	SURFACE WATER	1	A
St-1-2	2	2022/07/31	SURFACE WATER	1	A
St-1-3	3	2022/07/31	SURFACE WATER	1	A
St-2-1	4	2022/07/31	SURFACE WATER	1	A
St-2-2	5	2022/07/31	SURFACE WATER	1	A
St-2-3	6	2022/07/31	SURFACE WATER	1	A
St-3-1	7	2022/07/31	SURFACE WATER	1	A
St-3-2	8	2022/07/31	SURFACE WATER	1	A
St-3-3	9	2022/07/31	SURFACE WATER	1	A
St-4-1	10	2022/07/31	SURFACE WATER	1	A
St-4-2	11	2022/07/31	SURFACE WATER	1	A
St-4-3	12	2022/07/31	SURFACE WATER	1	A
St-5-1	13	2022/07/31	SURFACE WATER	1	A

eCOC: Q71702

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Trace Level Total Phosphorus (CEAEQ)
St-5-2	14	2022/07/31	SURFACE WATER	1	A
St-5-3	15	2022/07/31	SURFACE WATER	1	A
St-6-1	16	2022/07/31	SURFACE WATER	1	A
St-6-2	17	2022/07/31	SURFACE WATER	1	A
St-6-3	18	2022/07/31	SURFACE WATER	1	A
ST-7A Surf-1	19	2022/07/31	SURFACE WATER	1	A
ST-7A Surf-2	20	2022/07/31	SURFACE WATER	1	A
ST-7A Surf-3	21	2022/07/31	SURFACE WATER	1	A
ST-7A Fond-1	22	2022/07/31	SURFACE WATER	1	A
ST-7A Fond-2	23	2022/07/31	SURFACE WATER	1	A
ST-7A Fond-3	24	2022/07/31	SURFACE WATER	1	A
ST-7B Surf-1	25	2022/07/31	SURFACE WATER	1	A
ST-7B Surf-2	26	2022/07/31	SURFACE WATER	1	A
ST-7B Surf-3	27	2022/07/31	SURFACE WATER	1	A
ST-7B Fond-1	28	2022/07/31	SURFACE WATER	1	A
ST-7B Fond-2	29	2022/07/31	SURFACE WATER	1	A
ST-7B Fond-3	30	2022/07/31	SURFACE WATER	1	A

eCOC: Q71702

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Trace Level Total Phosphorus (CEAEQ)
ST-8 Surf-1	31	2022/07/31	SURFACE WATER	1	A
ST-8 Surf-2	32	2022/07/31	SURFACE WATER	1	A
ST-8 Surf-3	33	2022/07/31	SURFACE WATER	1	A
ST-8 Fond-1	34	2022/07/31	SURFACE WATER	1	A
ST-8 Fond-2	35	2022/07/31	SURFACE WATER	1	A
ST-8 Fond-3	36	2022/07/31	SURFACE WATER	1	A
St-9-1	37	2022/07/31	SURFACE WATER	1	A
St-9-2	38	2022/07/31	SURFACE WATER	1	A
St-9-3	39	2022/07/31	SURFACE WATER	1	A
St-10-1	40	2022/07/31	SURFACE WATER	1	A
St-10-2	41	2022/07/31	SURFACE WATER	1	A
St-10-3	42	2022/07/31	SURFACE WATER	1	A
ST-11 Surface-1	43	2022/07/31	SURFACE WATER	1	A
ST-11 Surface-2	44	2022/07/31	SURFACE WATER	1	A
ST-11 Surface-3	45	2022/07/31	SURFACE WATER	1	A
ST-11 Fond-1	46	2022/07/31	SURFACE WATER	1	A
ST-11 Fond-2	47	2022/07/31	SURFACE WATER	1	A

eCOC: Q71702

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Trace Level Total Phosphorus (CEAEQ)
ST-11 Fond-3	48	2022/07/31	SURFACE WATER	1	A
St-12-1	49	2022/07/31	SURFACE WATER	1	A
St-12-2	50	2022/07/31	SURFACE WATER	1	A
St-12-3	51	2022/07/31	SURFACE WATER	1	A
St-13-1	52	2022/07/31	SURFACE WATER	1	A
St-13-2	53	2022/07/31	SURFACE WATER	1	A
St-13-3	54	2022/07/31	SURFACE WATER	1	A
St-14-1	55	2022/07/31	SURFACE WATER	1	A
St-14-2	56	2022/07/31	SURFACE WATER	1	A
St-14-13	57	2022/07/31	SURFACE WATER	1	A
dup-1-	58	2022/07/31	SURFACE WATER	1	A
dup-1-2	59	2022/07/31	SURFACE WATER	1	A
dup-1-3	60	2022/07/31	SURFACE WATER	1	A
dup-2-1	61	2022/07/31	SURFACE WATER	1	A
dup-2-2	62	2022/07/31	SURFACE WATER	1	A
dup-2-3	63	2022/07/31	SURFACE WATER	1	A
dup-3-1	64	2022/07/31	SURFACE WATER	1	A

Parameter Summary

Package/Test	Parameter	RDL *	Unit	Samples
Trace Level Total Phosphorus (CEAEQ)	Total phosphorous	0.6	ug/L	All

**RDLs are subject to change based on interferences present at the time of analysis.*

eCOC: Q71702

Expected TAT: Standard TAT

Cost Estimate

#	Description	Matrix	Quote #	Rate	Test Total
72	Trace Level Total Phosphorus (CEAEQ)	SURFACE WATER	C20034	$ 120.00	$ 8,640.00
				Total (excluding applicable taxes):	**$ 8,640.00**

Prices listed above are estimates only and are subject to change

Environnement et Lutte contre les changements climatiques
Québec

Certificat d'analyse

Direction de l'analyse chimique
2700, rue Einstein
Québec (Québec) G1P 3W8
Tél.: 418 643-1301
Téléc.: 418 528-1091

Client: Bureau Veritas Canada (2019) Inc. - Québec
2690, Dalton
Québec (Québec) G1P 3S4

Nom de projet: Maxxam Québec
Responsable: Maxxam Analytics
Téléphone: 418-658-5784
Code projet client:

Date de réception: 15 décembre 2022
Numéro de dossier: Q140656
Bon de commande: C240111
Code projet CEAEQ: 1161

Numéro de l'échantillon : Q140656-01

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7768-(081) St-1-1
Description de prélèvement: KS7768-(081) St-1-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,1	µg/l	0,6

Numéro de l'échantillon : Q140656-02

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7769-St-1-2
Description de prélèvement: KS7769-St-1-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,8	µg/l	0,6

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Version 1 (1386825)

Certificat d'analyse (suite de l'échantillon numéro : Q140656-03)

Numéro de l'échantillon : Q140656-03

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7770-St-1-3
Description de prélèvement: KS7770-St-1-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	6,9	µg/l	0,6

Numéro de l'échantillon : Q140656-04

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7771-St-2-1
Description de prélèvement: KS7771-St-2-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	7,3	µg/l	0,6

Numéro de l'échantillon : Q140656-05

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7772-St-2-2
Description de prélèvement: KS7772-St-2-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	6,7	µg/l	0,6

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Version 1 (1386825)

Certificat d'analyse (suite de l'échantillon numéro : Q140656-06)

Numéro de l'échantillon : Q140656-06

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7773-St-2-3
Description de prélèvement: KS7773-St-2-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,5	µg/l	0,6

Numéro de l'échantillon : Q140656-07

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7774-St-3-1
Description de prélèvement: KS7774-St-3-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	8,4	µg/l	0,6

Numéro de l'échantillon : Q140656-08

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7775-St-3-2
Description de prélèvement: KS7775-St-3-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-09)

Numéro de l'échantillon : Q140656-09

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7776-St-3-3
Description de prélèvement: KS7776-St-3-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q140656-10

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7777-St-4-1
Description de prélèvement: KS7777-St-4-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	9,0	µg/l	0,6

Numéro de l'échantillon : Q140656-11

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7778-St-4-2
Description de prélèvement: KS7778-St-4-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	9,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-12)

Numéro de l'échantillon : Q140656-12

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7779-St-4-3
Description de prélèvement: KS7779-St-4-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	9,1	µg/l	0,6

Numéro de l'échantillon : Q140656-13

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7780-St-5-1
Description de prélèvement: KS7780-St-5-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,4	µg/l	0,6

Numéro de l'échantillon : Q140656-14

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7781-St-5-2
Description de prélèvement: KS7781-St-5-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,0	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-15)

Numéro de l'échantillon : Q140656-15

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7782-St-5-3
Description de prélèvement: KS7782-St-5-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,1	µg/l	0,6

Numéro de l'échantillon : Q140656-16

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7783-St-6-1
Description de prélèvement: KS7783-St-6-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,8	µg/l	0,6

Numéro de l'échantillon : Q140656-17

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7784-St-6-2
Description de prélèvement: KS7784-St-6-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,1	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-18)

Numéro de l'échantillon : Q140656-18

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7785-St-6-3
Description de prélèvement: KS7785-St-6-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,3	µg/l	0,6

Numéro de l'échantillon : Q140656-19

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7786-ST-7A Surf-1
Description de prélèvement: KS7786-ST-7A Surf-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,2	µg/l	0,6

Numéro de l'échantillon : Q140656-20

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7787-ST-7A Surf-2
Description de prélèvement: KS7787-ST-7A Surf-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-21)

Numéro de l'échantillon : Q140656-21

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS7788-ST-7A Surf-3
Description de prélèvement: KS7788-ST-7A Surf-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	5,5	µg/l	0,6

Numéro de l'échantillon : Q140656-22

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7789-ST-7A Fond-1
Description de prélèvement: KS7789-ST-7A Fond-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	4,8	µg/l	0,6

Numéro de l'échantillon : Q140656-23

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7790-ST-7A Fond-2
Description de prélèvement: KS7790-ST-7A Fond-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	4,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-24)

Numéro de l'échantillon : Q140656-24

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7791-ST-7A Fond-3
Description de prélèvement: KS7791-ST-7A Fond-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,4	µg/l	0,6

Numéro de l'échantillon : Q140656-25

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7792-ST-7B Surf-1
Description de prélèvement: KS7792-ST-7B Surf-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,1	µg/l	0,6

Numéro de l'échantillon : Q140656-26

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7793-ST-7B Surf-2
Description de prélèvement: KS7793-ST-7B Surf-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,7	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-27)

Numéro de l'échantillon : Q140656-27

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7794-ST-7B Surf-3
Description de prélèvement: KS7794-ST-7B Surf-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	5,3	µg/l	0,6

Numéro de l'échantillon : Q140656-28

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7795-ST-7B Fond-1
Description de prélèvement: KS7795-ST-7B Fond-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	5,1	µg/l	0,6

Numéro de l'échantillon : Q140656-29

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7796-ST-7B Fond-2
Description de prélèvement: KS7796-ST-7B Fond-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	4,9	µg/l	0,6

Ce certificat ne doit pas être reproduit, sinon en entier, sans le consentement écrit du CEAEQ

Certificat d'analyse (suite de l'échantillon numéro : Q140656-30)

Numéro de l'échantillon : Q140656-30

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7797-ST-7B Fond-3
Description de prélèvement: KS7797-ST-7B Fond-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,1	µg/l	0,6

Numéro de l'échantillon : Q140656-31

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7798-ST-8 Surf-1
Description de prélèvement: KS7798-ST-8 Surf-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q140656-32

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7799-ST-8 Surf-2
Description de prélèvement: KS7799-ST-8 Surf-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-33)

Numéro de l'échantillon : Q140656-33

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7800-ST-8 Surf-3
Description de prélèvement: KS7800-ST-8 Surf-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	5,1	µg/l	0,6

Numéro de l'échantillon : Q140656-34

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7801-ST-8 Fond-1
Description de prélèvement: KS7801-ST-8 Fond-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	11,2	µg/l	0,6

Numéro de l'échantillon : Q140656-35

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7802-ST-8 Fond-2
Description de prélèvement: KS7802-ST-8 Fond-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	7,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-36)

Numéro de l'échantillon : Q140656-36

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7803-ST-8 Fond-3
Description de prélèvement: KS7803-ST-8 Fond-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	7,9	µg/l	0,6

Numéro de l'échantillon : Q140656-37

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7804-ST-9-1
Description de prélèvement: KS7804-ST-9-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,4	µg/l	0,6

Numéro de l'échantillon : Q140656-38

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7805-ST-9-2
Description de prélèvement: KS7805-ST-9-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,7	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-39)

Numéro de l'échantillon : Q140656-39

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7806-ST-9-3
Description de prélèvement: KS7806-ST-9-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	4,7	µg/l	0,6

Numéro de l'échantillon : Q140656-40

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7807-ST-10-1
Description de prélèvement: KS7807-ST-10-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	5,8	µg/l	0,6

Numéro de l'échantillon : Q140656-41

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7808-ST-10-2
Description de prélèvement: KS7808-ST-10-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	5,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-42)

Numéro de l'échantillon : Q140656-42

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7809-ST-10-3
Description de prélèvement: KS7809-ST-10-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,8	µg/l	0,6

Numéro de l'échantillon : Q140656-43

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7810-ST-11 Surface-1
Description de prélèvement: KS7810-ST-11 Surface-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	4,0	µg/l	0,6

Numéro de l'échantillon : Q140656-44

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7811-ST-11 Surface-2
Description de prélèvement: KS7811-ST-11 Surface-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	3,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-45)

Numéro de l'échantillon : Q140656-45

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7812-ST-11 Surface-3
Description de prélèvement: KS7812-ST-11 Surface-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	3,7	µg/l	0,6

Numéro de l'échantillon : Q140656-46

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7813-ST-11 Fond-1
Description de prélèvement: KS7813-ST-11 Fond-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	8,0	µg/l	0,6

Numéro de l'échantillon : Q140656-47

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7814-ST-11 Fond-2
Description de prélèvement: KS7814-ST-11 Fond-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-48)

Numéro de l'échantillon : Q140656-48

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7815-ST-11 Fond-3
Description de prélèvement: KS7815-ST-11 Fond-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,9	µg/l	0,6

Numéro de l'échantillon : Q140656-49

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7816-St-12-1
Description de prélèvement: KS7816-St-12-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	3,8	µg/l	0,6

Numéro de l'échantillon : Q140656-50

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7817-St-12-2
Description de prélèvement: KS7817-St-12-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	3,4	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-51)

Numéro de l'échantillon : Q140656-51

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7818-St-12-3
Description de prélèvement: KS7818-St-12-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	3,9	µg/l	0,6

Numéro de l'échantillon : Q140656-52

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7819-St-13-1
Description de prélèvement: KS7819-St-13-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	7,2	µg/l	0,6

Numéro de l'échantillon : Q140656-53

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7820-St-13-2
Description de prélèvement: KS7820-St-13-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	7,3	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-54)

Numéro de l'échantillon : Q140656-54

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7821-St-13-3
Description de prélèvement: KS7821-St-13-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	7,7	µg/l	0,6

Numéro de l'échantillon : Q140656-55

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7822-St-14-1
Description de prélèvement: KS7822-St-14-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,5	µg/l	0,6

Numéro de l'échantillon : Q140656-56

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7823-St-14-2
Description de prélèvement: KS7823-St-14-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-57)

Numéro de l'échantillon : Q140656-57

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7824-St-14-3
Description de prélèvement: KS7824-St-14-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	5,8	µg/l	0,6

Numéro de l'échantillon : Q140656-58

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7825-DUP-1-1
Description de prélèvement: KS7825-DUP-1-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	5,7	µg/l	0,6

Numéro de l'échantillon : Q140656-59

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7826-DUP-1-2
Description de prélèvement: KS7826-DUP-1-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	5,9	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-60)

Numéro de l'échantillon : Q140656-60

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7827-DUP-1-3
Description de prélèvement: KS7827-DUP-1-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	6,0	µg/l	0,6

Numéro de l'échantillon : Q140656-61

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7828-DUP-2-1
Description de prélèvement: KS7828-DUP-2-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,0	µg/l	0,6

Numéro de l'échantillon : Q140656-62

Préleveur: Client
Date de prélèvement: 29 juillet 2029
Description de l'échantillon: KS7829-DUP-2-2
Description de prélèvement: KS7829-DUP-2-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	5,2	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-63)

Numéro de l'échantillon : Q140656-63

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS7830-DUP-2-3
Description de prélèvement: KS7830-DUP-2-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	4,8	µg/l	0,6

Numéro de l'échantillon : Q140656-64

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7831-DUP-3-1
Description de prélèvement: KS7831-DUP-3-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	3,2	µg/l	0,6

Numéro de l'échantillon : Q140656-65

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7832-DUP-3-2
Description de prélèvement: KS7832-DUP-3-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	3,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-66)

Numéro de l'échantillon : Q140656-66

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7833-DUP-3-3
Description de prélèvement: KS7833-DUP-3-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	3,7	µg/l	0,6

Numéro de l'échantillon : Q140656-67

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS7834-BLANC DE TRANSPORT1-1
Description de prélèvement: KS7834-BLANC DE TRANSPORT1-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	<0,6	µg/l	0,6

Numéro de l'échantillon : Q140656-68

Préleveur: Client
Date de prélèvement: 28 juillet 2022
Description de l'échantillon: KS7835-BLANC DE TRANSPORT1-2
Description de prélèvement: KS7835-BLANC DE TRANSPORT1-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2 Date d'analyse: 19 décembre 2022	Résultat	Unité	LDM
Phosphore total	<0,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-69)

Numéro de l'échantillon : Q140656-69

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS7836-BT1-1
Description de prélèvement: KS7836-BT1-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

Numéro de l'échantillon : Q140656-70

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS7837-BT1-2
Description de prélèvement: KS7837-BT1-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

Numéro de l'échantillon : Q140656-71

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS7838-BT1-3
Description de prélèvement: KS7838-BT1-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	3,2	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-72)

Numéro de l'échantillon : Q140656-72

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS7839-BT2-1
Description de prélèvement: KS7839-BT2-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

Numéro de l'échantillon : Q140656-73

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KU1175-BT2-2
Description de prélèvement: KU1175-BT2-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

Numéro de l'échantillon : Q140656-74

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KU1176-BT2-3
Description de prélèvement: KU1176-BT2-3
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	Résultat	Unité	LDM
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

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Certificat d'analyse (suite de l'échantillon numéro : Q140656-75)

Numéro de l'échantillon : Q140656-75

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KU1177-BT3-1
Description de prélèvement: KU1177-BT3-1
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

Numéro de l'échantillon : Q140656-76

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KU1178-BT3-2
Description de prélèvement: KU1178-BT3-2
Point de prélèvement:
Nature de l'échantillon: eau naturelle de surface

Phosphore total - Persul. trace verre à 660 nm

Méthode: MA. 303 - P 5.2	**Résultat**	**Unité**	**LDM**
Date d'analyse: 19 décembre 2022			
Phosphore total	<0,6	µg/l	0,6

Remarque(s)

Niveau: Dossier

No Dossier: Q140656

Non-Conformité: hors délai de conservation

Les résultats ne se rapportent qu'à l'échantillon soumis à l'analyse.

J'atteste avoir formellement constaté ces faits

***Certificat approuvé le* 21 décembre 2022**

<Signature removed>

Jean-Luc Pilote, M.Sc. Chimiste
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Légende:
ABS: Absence
DNQ: Résultat entre la LDM et la LQM
INT: Interférences - Analyse impossible
ND: Non détecté
ST: Sous-traitance
PR: Présence
RNF: Résultat non disponible
NDR: Détecté - Mais ne satisfait pas le rapport isotopique
TNI: Colonies trop nombreuses pour être identifiées
VR: Voir remarque

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Version 1 (1386825)

Nemaska Ressources

Appendix 2
Hydrology (NMX P7)

Nemaska Ressources

Environmental Monitoring Report for the Whabouchi Spodumene Mine Project 2022

Hydrology (NMX P7)

Report presented to:

Nemaska Lithium

March 16, 2023

Project 121022001
(22-0186)

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Nemaska Ressources

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Revision N°	Date	Description of modification | issue
02	2023-03-13	Final version
01	2023-01-23	Draft version

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Reference to Quote

Nemaska Ressources. 2023. Environmental Monitoring Report for the Whabouchi Spodumene Mine Project 2022 - Hydrology (NMX P7). Project report 22-0186. 22 pages.

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List of Acronyms

CE	Cours d'eau (Water course)
DGPS	Differential Geographic Positioning System
GPS	Global positioning system
MELCCFP	Ministère de l'Environnement et de la Lutte contre les changements climatiques, de la Faune et des Parcs
MERN	Ministère de l'Énergie et des Ressources naturelles

1 Introduction

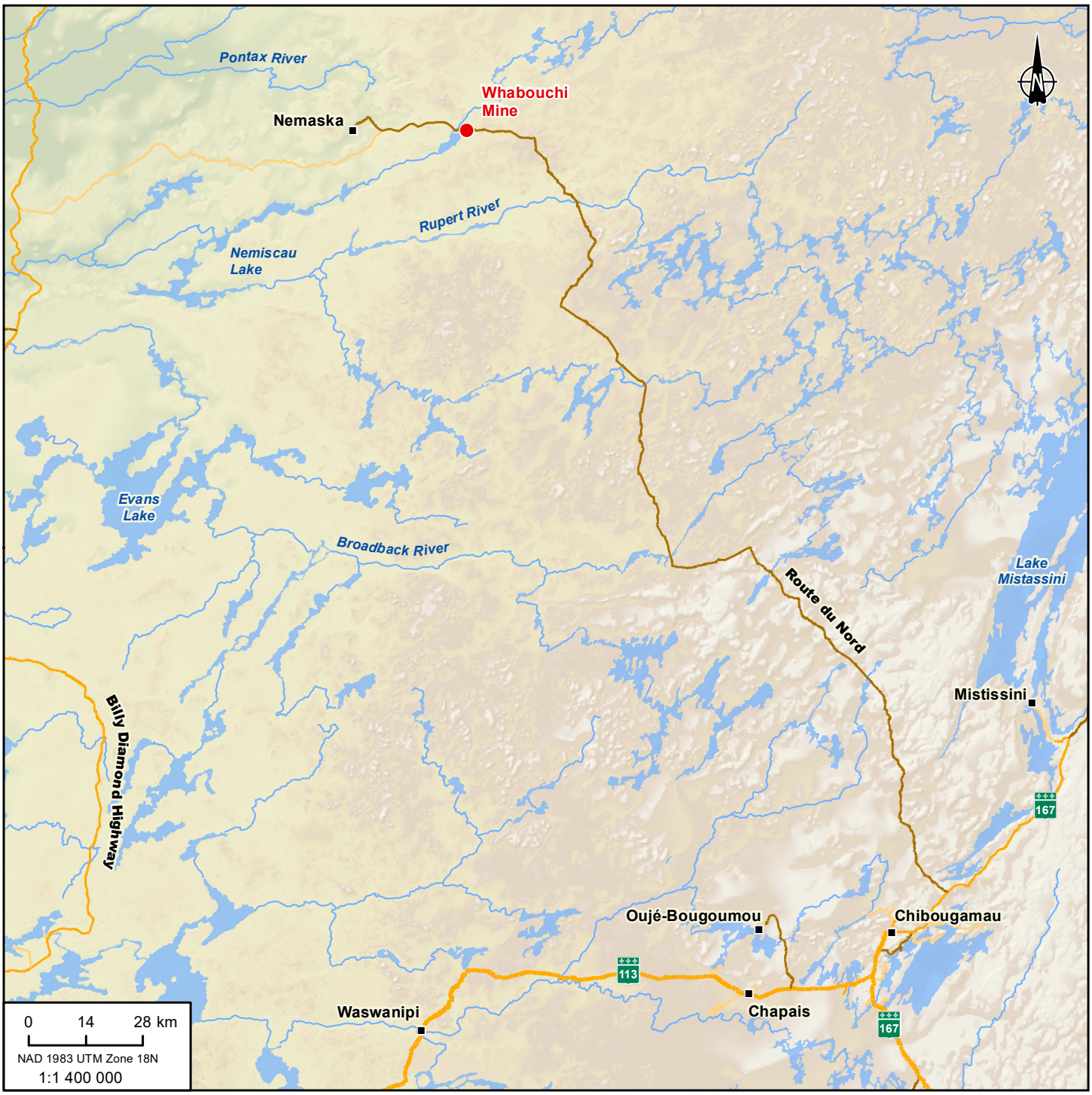
Nemaska Lithium's Whabouchi Mine project consists of developing a deposit of spodumene, a lithium-rich mineral. The Whabouchi Mine is located along the Route du Nord, in the territory of the Regional Government of Eeyou Istchee James Bay (GREIBJ), 30 kilometres east of Nemiscau and 280 kilometres north of Chibougamau (Map 1).

The general objective of the environmental follow-up program is to measure, observe and document any changes (natural or project-related) in the environment in relation to the baseline, to verify the accuracy of the environmental assessment, and to evaluate the effectiveness of the mitigation measures proposed in the project's environmental assessment. This follow-up allows Nemaska Lithium to meet its commitments to the various government authorities and communities.

1.1 Mandate and Objectives

The monitoring of hydrologic conditions is specifically aimed at achieving the following objectives:

- Evaluate the influence of the Whabouchi Project water management plan on water levels in Lakes 2, 27, and 28, the Mountains, and Spodumene, and on flows and levels in C Creek and the Lake 2 outlet;
- Determine if the project affects water levels above the walleye spawning area in D Creek and the brook trout spawning areas in C and G Creeks;
- Determine the initial (current) status of outflow at the outlet of the slough (D Creek) located downstream of Lake Spodumene (NMX monitoring B7A).



Map 1

Location of the Whabouchi Mining Project

Infrastructure

- Whabouchi Mine

Hydrography

- Permanent Watercourse
- Waterbody

Road Network

- National Road
- Collector Road
- Local Road
- Access Road

Data Sources:
BDGA 1:1 000 000, MERN Québec, 2020
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022

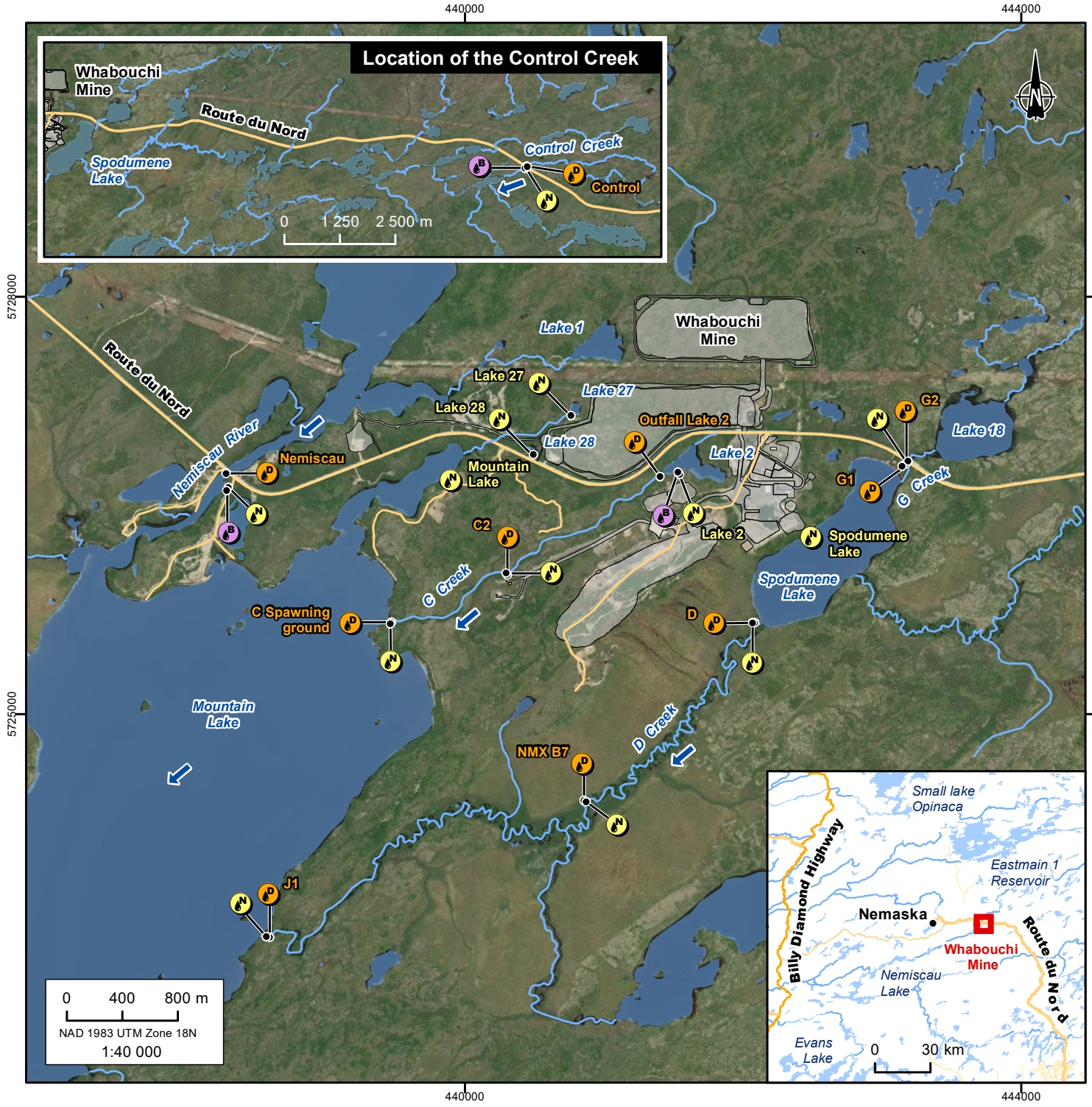
Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium

Nemaska Ressources



Map 2

Location of Sampling Stations

Infrastructure

- Whabouchi Mine

Hydrography

- Flow Direction
- Permanent Watercourse
- Waterbody

Road network

- Main Road
- Local Road

Hydrological Sampling Station

- Barometer
- Level Logger (Water Level Measurement)
- Gauging Station (Flow Measurement)

Data Sources:
Géobase du réseau hydrographique du Québec, MERN Québec, 2019
Road Network, Adresse Québec, 2021-12; Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Hydrology (NMX P7)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2 Methodology

2.1 Hydrological Monitoring in Rivers and Monitoring of Spawning Grounds

Flow and water level monitoring were conducted from 2018 to 2022 on the major water bodies affected or potentially affected by the project (Map 1). As of 2019, monitoring also includes an additional flow station and level recorder at Creek C (Creek C, Station C2; Map 1) and another in Creek D (Station J1, Map 1).

For each of the hydrometric stations located in a stream, it was necessary to establish the level/discharge relationship in order to be able to directly transpose a water level to a discharge. To do this, a cross-section of the stream near the probe was defined on which current velocity readings were taken in order to extract a flow associated with a specific water level. Measurements were taken minimally at three times during the 2018 and 2019 campaigns, namely:

- Sometime after (June 12-14, 2018) or during spring freshet (May 20-23, 2019);
- During summer low flow (September 5, 2018 and August 31 to September 3, 2019);
- During the brook trout run or spawning period (October 3, 2018 and October 17-19, 2019).

Note that the spawning period for brook trout can span more than 60 days (Blanchfield and Ridway 1997) and a brook trout aggregation was observed on September 22 during the 2019 fish population monitoring (NMX B4 monitoring). Thus, the monitoring was conducted during the spawning period.

Due to the shutdown of the Whabouchi mine in 2020, velocity measurements were taken during the summer period only during the 2020 campaign, i.e. July 14 and 15, 2020.

For the year 2021, measurements were taken twice during the year, as follows:

- Sometime after the spring freshet (between June 14 and June 16, 2021);
- During the summer period (September 11-14).

In 2022, measurements were also taken twice during the year, as follows:

- During the spring freshet (June 1-3, 2022);
- During the summer period (normal flow; July 28-29, 2022).

Current velocity measurements were made using a Swoffer 2100 electromagnetic induction current meter. For each stream cross section, between 5 and 26 measurement stations were evenly distributed along the section. At each station, current velocity was measured at 60% of stream

depth when the stream was less than 1 metre deep and at 20% and then 80% of stream depth when the depth was greater than 1 metre.

The average stream velocities (i.e., the velocity measured and recorded by the device during a 30-second period) were related to the flow areas (area included by the measuring station) to calculate the discharge. Stream flow is the cumulative flow of all flow sections in the stream cross section (Figure 1).

The stream gauging campaigns collected data at a specific time and related it to the probe data collected at the same time. Therefore, the more campaigns that collect stream velocity and water level data, the more refined the level/flow relationship can be. This relationship will ultimately allow the prediction of flows based on continuously collected water levels, which will make the taking of current velocity readings optional in the medium term. Indeed, the probes record the water level variations continuously (one data/hour), contrary to the gauging campaigns where the collected data is a snapshot (photo) at a precise moment of the water level. However, the relationship depends on the fact that (1) there is no significant change in the bed of the river, (2) the level recorder remains in the same place and (3) the value of the correlation coefficient is acceptable.

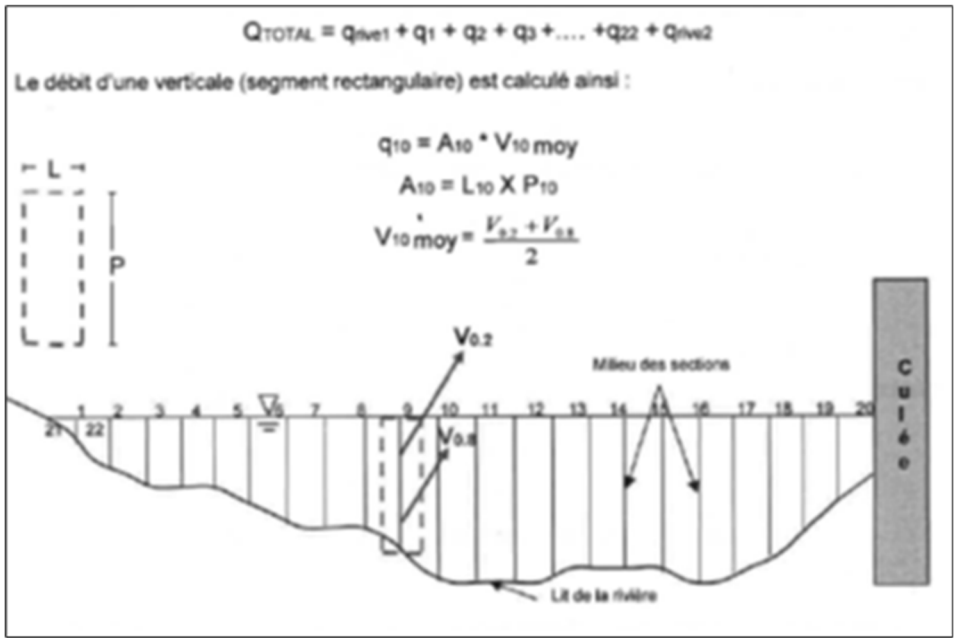


Figure 1. Example of a Flow Calculation

2.2 Hydrological Monitoring in Lakes

To monitor water level changes in Lakes 2, 27, 28, Mountains, and Spodumene (Map 1), Solinst Edge M20 water level loggers (*level loggers*) with an accuracy of 0.01 m were installed in June 2018. The loggers were installed within the lakeshore at a depth sufficient to avoid being submerged. The instruments were programmed to measure water level changes every hour throughout the year. Due to the topography and distance, two Solinst Barologger 5 model 3001 barometers were added to link the atmospheric data with the water levels. This makes it possible to ignore local barometric variations and thus achieve a high level of accuracy in the measurements. Finally, in order to minimize the loss of time and the risk of error during data retrieval, a Bluetooth system was used to download the data from the level probes when possible. This system allows the probes to be left in the water during data recovery.

At the time of the installation of the loggers and at each subsequent monitoring, the daytime water elevation was recorded and positioned in a terrestrial coordinate system using a GNSS GPS (Trimble model R8) which provides centimetre accuracy. A relationship was then established between the value of the water level during the visits and the elevation of the water of the day, in order to obtain elevation values from the water level.

During the monitoring conducted in 2022, the data collected by the loggers since their installation in 2018 were downloaded. The loggers are still in operation and faulty loggers are replaced as needed.

2.3 Initial State of Outflow at the Outlet of the Wetland Located Downstream of Spodumene Lake (follow-up NMX-B7A)

In 2021, a gauging station and level logger (level logger 5,3001) were installed at Creek D near the outlet of the slough downstream of Lake Spodumene (follow-up NMX B7, Map 1).

The method used to measure flow is the same method used for hydrological monitoring of streams presented in section 2.2. In addition, the NMX B7A monitoring is conducted during the hydrological stream monitoring campaigns, including the campaigns conducted in 2022.

3 Results and Discussion

The hydrologic monitoring data for individual lakes and streams harvested in 2022 are presented in Tables 1 through 3. In order to compare the results with previous years, the data collected between 2018 and 2021 are also presented in Tables 1 and 2. As for the results of the level probes, they are presented in Figures 2 and 3. The level-discharge relationship is presented in Figure 5. It is important to note that the control station has been moved to another stream in 2021, due to the presence of a beaver dam that has a large influence on the flow of the control stream monitored between 2018 and 2020. Data related to the former control collected between 2018 and 2020 are therefore no longer relevant and are not included in this report.

3.1 Hydrological Monitoring of River Flows

In Table 1, it can be seen that in the majority of streams, the variation in flow is highly variable and the pattern of variability is unique to each stream. However, it is possible to establish some trends.

First, it can be observed that the spring freshet was already over or decreasing during the monitoring conducted in spring 2022 during the first week of June. In fact, apart from C creek and Nemiscau stations, all the stations had a flow close to summer flow during this campaign. For C creek and Nemiscau stations, the June campaign allowed for the measurement of flows that can be associated with flood flows or above summer values (Figure 2). The Nemiscau River, which has a much larger water regime and fluctuates much more slowly, had a flow that was closer to the values observed during the spring freshet in 2019. It is also interesting to note that the observed flow values in 2022 are characterized by slightly lower magnitudes compared to previous years for the summer period. One hypothesis could be a lower occurrence of significant rainfall events, but in the absence of rainfall data, it is impossible to validate this. One explanation for these results could come from the precipitation data where fewer significant heavy rainfall events occurred during this period compared to previous years.

Since the level recorders on the Nemiscau River and the control stream have only been in operation since the June 2021 campaign, little data is available at the time of the redaction of this report. Nevertheless, it can be observed that the level variations for the control stream follow the same pattern as those generally observed for the streams in the sector for the year 2021. On the other hand, the Nemiscau River shows a pattern of water level variation where the curve fluctuates much less. This is due to the fact that this river modulates a much larger watershed and therefore reacts on a different time scale than smaller streams.

While larger streams such as the Nemiscau River show some relationship between time of year and flow, it is more difficult to establish this type of relationship on smaller streams, such as C Creek, which respond more quickly to precipitation. In the context of point precipitation events that can have a significant effect on flows within a small-time window, rainfall data are critical to flow

interpretation. Although a UQAT weather station has been in operation since year 2021, the rain gauge was not reinstalled in 2022. In addition to the UQAT weather station, the closest weather station to the site that is still in operation is located at the Waskaganish airport, 200 km west of the Whabouchi mine site. Moreover, this station does not record data related to rainfall. It is therefore important that the weather station operated by UQAT remain in operation, particularly during the operation phase of the mine site, or that an independent meteorological station be installed as planned in the NMX B6 component of the environmental and social follow-up of the Whabouchi mine (Norda Stelo, 2019). In fact, it might be appropriate to consider setting up this second meteorological station within the study area belonging to Nemaska Lithium, in order to ensure the collection of rainfall data needed for the hydrological monitoring program, without depending on UQAT to maintain the station.

In recent years, a network of perimeter ditches has been constructed in the Lake 2 watershed and these ditches are likely to drain some of the runoff that feeds Lake 2 (Annie Fréchette, Environmental Coordinator, personal communication). This could have an impact on the hydrology of Lake 2 and on the flow measured at C Creek. However, information regarding the location and extent of the ditch network is currently missing. A complete review of the mine site drainage plan by Nemaska Lithium will take place shortly and should provide more information on this subject (Vincent Perron, Senior Director - Environment and Stakeholder Relations, personal communication). It will then be possible to use geomatics to determine the percentage of runoff from the Lake 2 watershed that is diverted and thus extrapolate the effect on the flow at the Lake 2 outlet. A gauging station could be installed at one of the ditches to validate the relationship.

Table 1. Stream Gauging Data from 2018 to 2022

Stream	Campaign	2018			2019			2020			2021			2022		
		Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date
C Creek (Spawning area)	Spring	0.030	273.686	14-june-18	0,007[1]	275,345	23-may-19	-	-	-	0,005	273,633	16-june-21	0.034	273.766	03-june-22
	Summer	0.014	273.431	05-sept-18	-	-	-	0,070	273,616	14-july-20	0,053	273,824	11-sept-21	0.021	273.725	28-july-22
	Fall	0.041	273.563	03-oct-18	0,037	274,862[4]	18-oct-19	-	-	-	-	-	-	-	-	-
C Creek Station C2[2]	Spring	-	-	-	0,029	281,585	22-may-19	-	-	-	0,003	282,007	15-june-21	0.024	282.063	02-june-22
	Summer	-	-	-	-	281,792	31-august-19	0,061	282,297	15-july-20	0,051	282,263	12-sept-21	0.018	282.037	28-july-22
	Fall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D Creek Station D	Spring	0.708	280.032	14-june-18	3,573	280,737	20-may-19	-	-	-	0,852	279,942	15-june-21	1.751	280.225	01-june-22
	Summer	0.320	-	05-sept-18	1,002	279,799	31-august-19	0,610	279,894	15-july-20	1,410	280,242	12-sept-21	0.732	279.918	29-july-22
	Fall	1.113	280.429	03-oct-18	0,514	280,024[4]	18-oct-19	-	-	-	-	-	-	-	-	-
D Creek NMX B7[2]	Spring	-	-	-	-	-	-	-	-	-	0,611	278,731	15-june-21	1.125	279.129	01-june-22
	Summer	-	-	-	-	-	-	-	-	-	1,588	279,302	12-sept-21	0.837	278.919	29-july-22
	Fall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D Creek Station J1[2]	Spring	-	-	-	-	-	-	-	-	-	0,896	272,992	15-june-21	2.262	273.923	03-june-22
	Summer	-	-	-	-	-	-	0,805	272,908	14-july-20	2,554	273,121	11-sept-21	1.653	273.865	28-july-22
	Fall	-	-	-	1,006	272,972	19-oct-19	-	-	-	-	-	-	-	-	-
G Creek (Spawning area) Transect 1	Spring	0.182	280.356	12-june-18	0,587	280,892	22-may-19	-	-	-	0,121	280,280	15-june-21	0.211	280.355	02-june-22
	Summer	0.097	280.233	05-sept-18	-	280,202	31-august-19	0,094	280,161	15-july-20	0,086	280,320	11-sept-21	0.114	280.135	29-july-22
	Fall	0.251	280.546	03-oct-18	0,168	280,281	17-oct-19	-	-	-	-	-	-	-	-	-
G Creek (Spawning area) Transect 2	Spring	0.106	280.356	12-june-18	0,453	280,889	22-may-19	-	-	-	0,103	280,155	15-june-21	0.238	280.292	02-june-22
	Summer	0.052	280.233	05-sept-18	-	280,202	31-august-19	0,130	280,195	15-july-20	0,172	280,274	11-sept-21	0.182	280.035	29-july-22
	Fall	0.360	280.546	03-oct-18	0,103	280,281	17-oct-19	-	-	-	-	-	-	-	-	-
	Spring	-	-	-	0,013	290,263	21-may-19	-	-	-	0,008	290,209	15-june-21	0.007	290.215	02-june-22

Stream	Campaign	2018			2019			2020			2021			2022		
		Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date	Flow (m^3/s)	WD (m)	Date
Outfall Lake 2[2]	Summer	0,003	290,189	05-sept-18	0,009	290,064	31-august-19	0,004	290,213	14-july-20	0,010	290,308	12-sep-21	0.012	290.245	28-july-22
	Fall	-	290,327	03-oct-18	-	290,244	17-oct-19	-	-	-	-	-	-	-	-	-
Control Creek[3]	Spring	-	-	-	-	-	-	-	-	-	0,045	290,933	16-june-21	0.274	291.063	03-june-22
	Summer	-	-	-	-	-	-	-	-	-	0,350	291,124	14-sept-21	0.146	290.967	29-july-22
	Fall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nemiscau River	Spring	63,455	273,558	14-june-18	83,799	273,829	21-may-19	-	-	-	63,034	273,268	16-june-21	117.954	273.716	02-june-22
	Summer	-	272,613	05-sept-18	-	-	03-sept-19	25,700	273,087	15-july-20	38,408	273,141	11-sept-21	40.474	273.084	28-july-22
	Fall	-	273,013	03-oct-18	27,668	272,258	17-oct-19	-	-	-	-	-	-	-	-	-

1 Flow measured upstream of the usual station due to the presence of snow
2 Missing data from 2018, 2019 and 2020 (D Creek station NMX B7 only) are due to the fact that the station was not yet monitored.
3 The control stream monitored between 2018 and 2020 was abandoned due to the presence of a beaver dam, so a new control stream has been monitored since 2021.
4 Suspicious data
WD = Water of the day

3.2 Monitoring of Lakes Hydrometric Stations

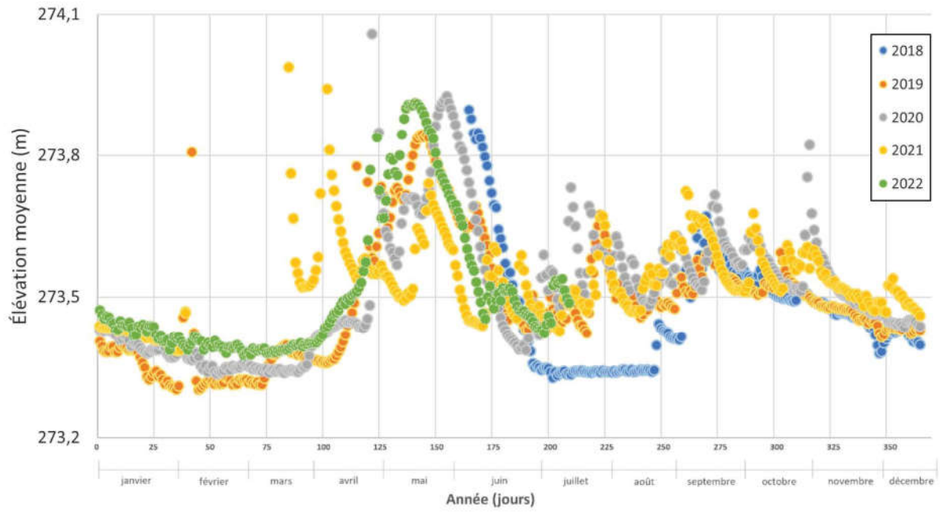
The analysis of the data presented in Figure 3 shows some trends. First, it is possible to observe that the spring freshet generally occurs during the last two weeks of May. This trend was observed in all years of the monitoring, although the intensity and exact date varied, especially for 2021 where it was earlier. In addition, an early flood event is identified at the week of April 10, 2021 in all monitored water bodies. The low flood range in late May 2021 is possibly attributable to this early flood. It can also be observed that low water generally occurs between June 24 and July 19, but water levels can vary rapidly depending on precipitation. This trend is particularly true for Lake 27.

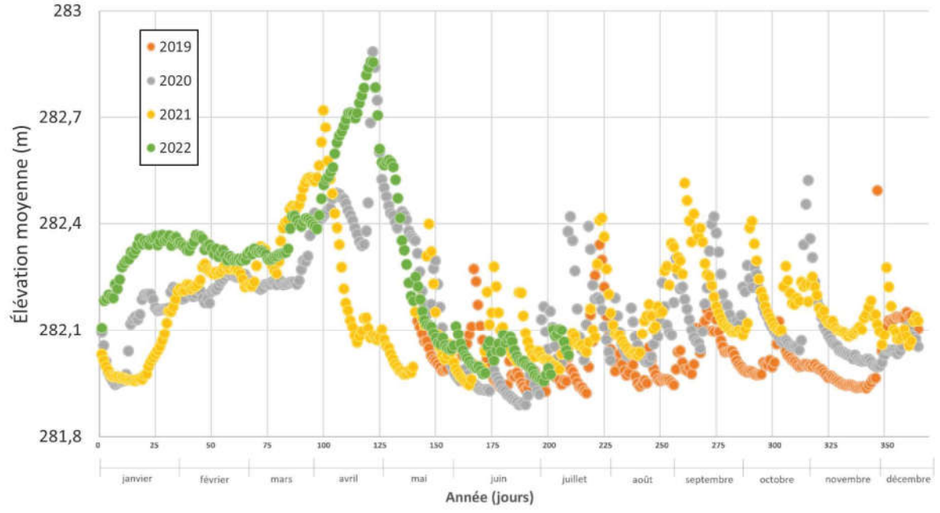
It is also interesting to note that the pattern of annual water level variation is repeated fairly closely from one water body to the next, with the exception of Lake 28, which has a much less pronounced spring peak with a longer duration than the other water bodies. One hypothesis to explain this phenomenon could come from the fact that it is the only lake without an outfall, so that the only possible outflows are via the processes of infiltration and evapotranspiration. The amplitude of the tidal range is rather constant between years for the same water body. However, a singularity is noted in mid-November 2020 where the data seem to indicate a high flood. In the absence of meteorological data, it is difficult to explain this phenomenon, although it is likely that the area received large amounts of rain.

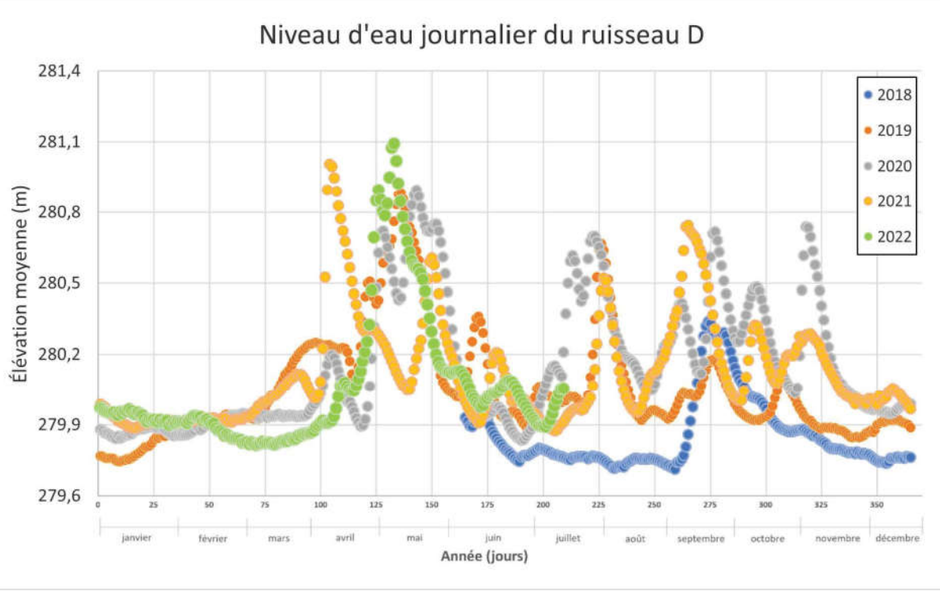
Analysis of daytime water elevation values between stations, particularly for stations in lakes 27 and 28 characterized by high organic dominated substrate, makes it possible for stations to become entrenched in sediment over time compromising interpretation of data from year to year.

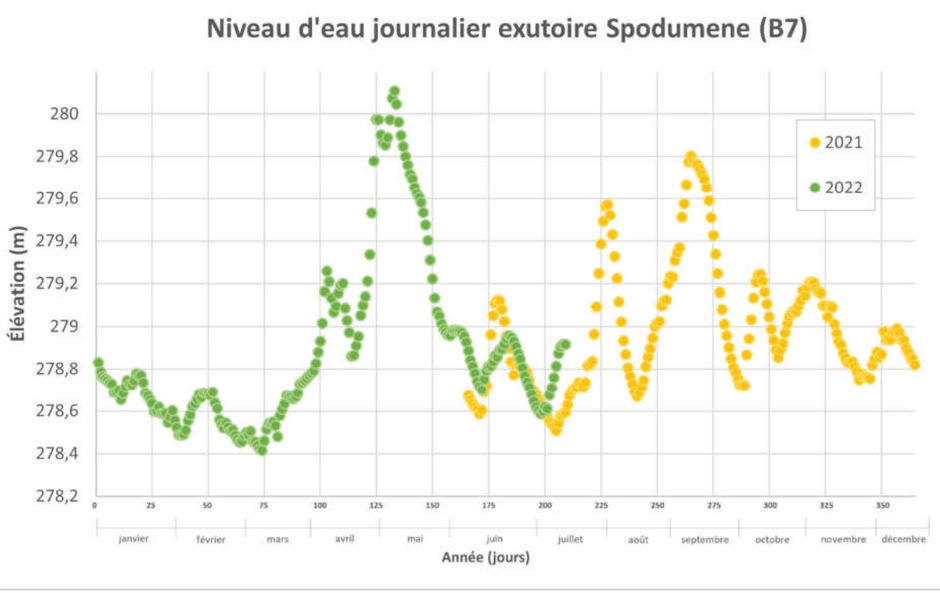
Table 2. Daytime Water Level Data for Lakes Measured Between 2018 and 2022

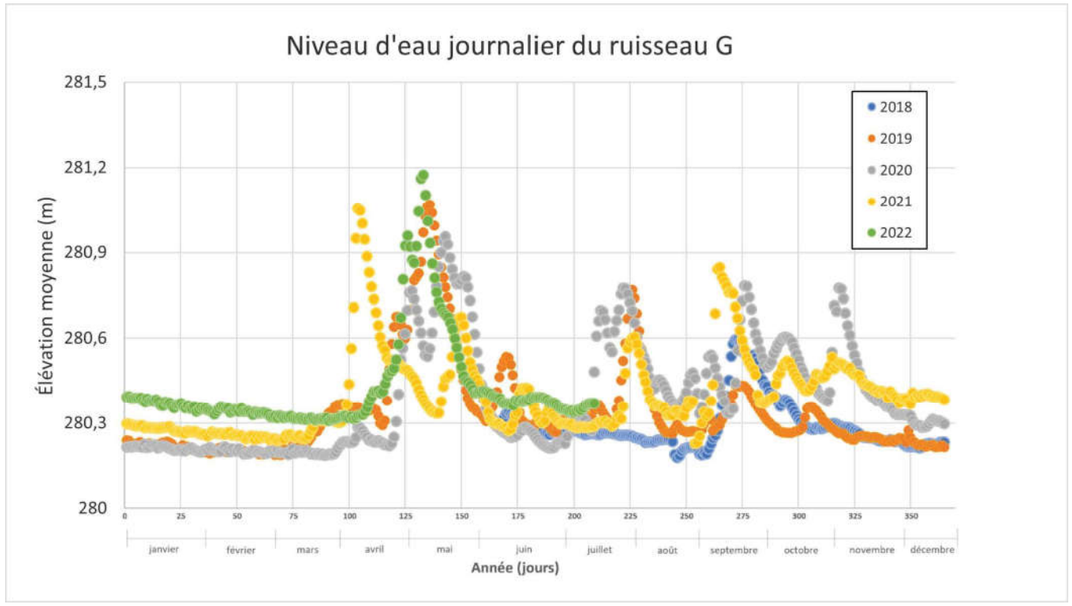
Site	Campaign	2018		2019		2020		2021		2022	
		WD (m)	Date	WD (m)	Date	WD (m)	Date	WD (m)	Date	WD (m)	Date
Lake 27	Spring	286.655	14-june	286,817	21-may	-	-	286,694	17-june	286.614	02-june
	Summer	286,653	05-sept	286,780	03-sept	286,736	16-june	286,839	12-sept	286.499	28-july
	Fall	286,773	03-oct	286,747	17-oct	-	-	-	-		
Lake 28	Spring	283,787	13-june	283,839	21-may	-	-	283,698	17-june	283.610	02-june
	Summer	283,800	05-sept	283,798	03-sept	283,822	16-july	283,847	12-sept	283.586	28-july
	Fall	283,832	03-oct	-	-	-	-	-	-		
Lake 2	Spring	290,262	12-june	290,336	21-may	-	-	290,22	15-june	290.239	02-june
	Summer	290,189	05-sept	290,051	31-août	290,208	14-july	290,33	12-sept	290.245	28-july
	Fall	290,327	03-oct	290,237	17-oct	-	-	-	-		
Nemiscau River	Spring	273.558	13-june	273.866	21-may	-	-	273,246	16-june	273.636	02-june
	Summer	273.613[1]	05-sept	-	-	273.153	15-july	273,141	12-sept	273.001	28-july
	Fall	273.013	03-oct	273.079	17-oct	-	-	-	-		
Lac des Montagnes	Spring	277,236	12-june	275,533	21-may	-	-	275,018	16-june	273.729	02-june
	Summer	274,466[1]	05-sept	274,714	03-sept	274,837	15-july	273,141	11-sept	273.094	28-july
	Fall	274,861	03-oct	-	-	-	-	-	-		
Spodumene Lake	Spring	280,070	14-june	280,865	20-may	-	-	279,99	15-june	280.219	02-june
	Summer	-	05-sept	280,025	03-sept	279,954	15-july	280,322	14-sept	279.967	29-july
	Fall	280,491	03-oct	280,029	18-oct	-	-	-	-		

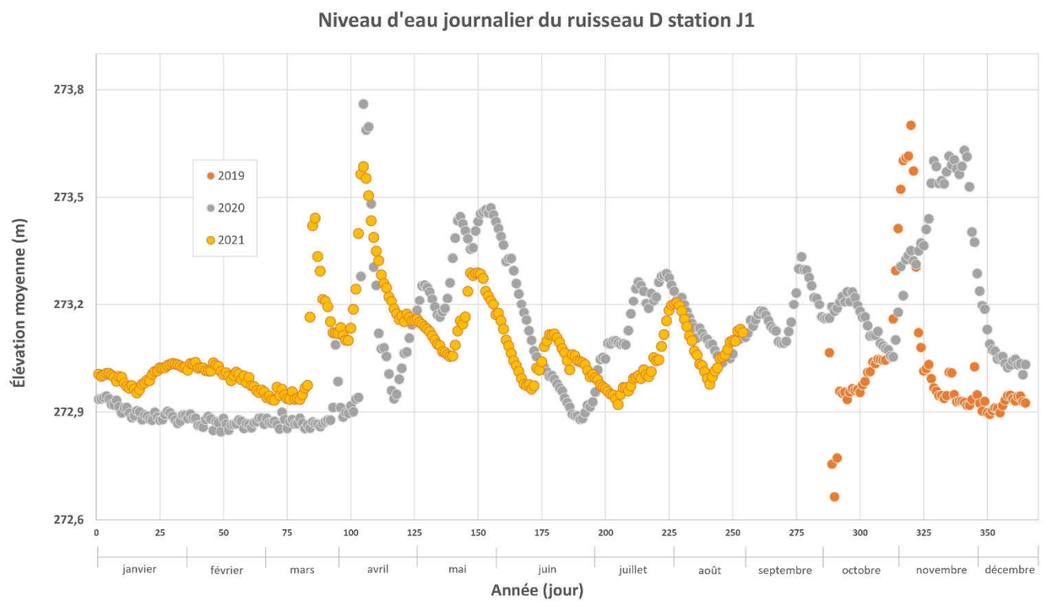

Niveau d'eau journalier du ruisseau C
Élévation moyenne (m)
274,1
273,8
273,5
273,2
2018
2019
2020
2021
2022
janvier
février
mars
avril
mai
juin
juillet
août
septembre
octobre
novembre
décembre
Année (jours)

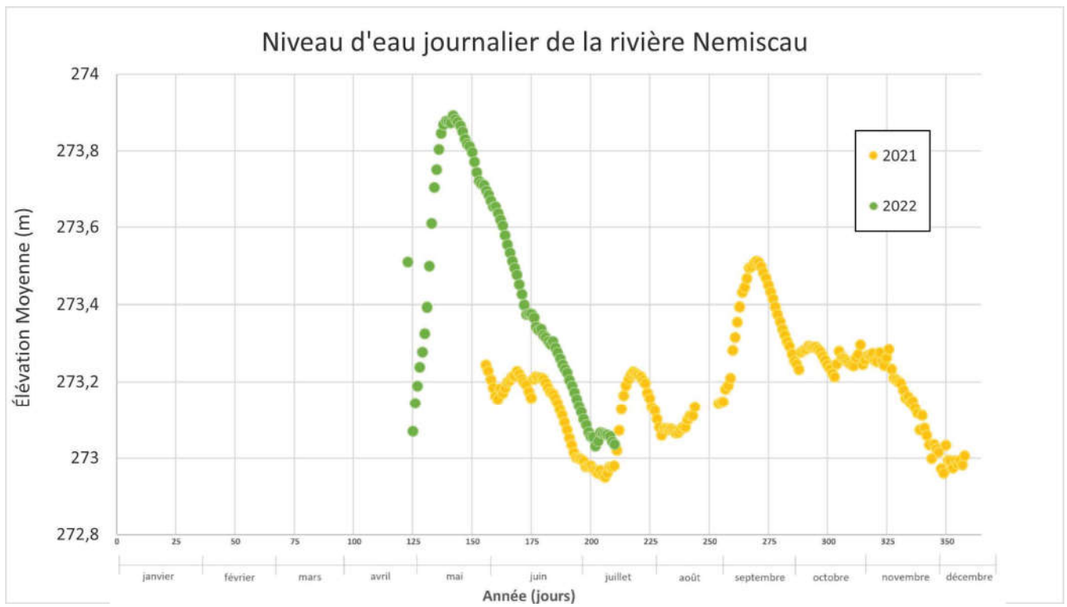

Niveau d'eau journalier du ruisseau C station 2
Élévation moyenne (m)
283
282,7
282,4
282,1
281,8
2019
2020
2021
2022
janvier
février
mars
avril
mai
juin
juillet
août
septembre
octobre
novembre
décembre
Année (jours)


Niveau d'eau journalier du ruisseau D
Élévation moyenne (m)
281,4
281,1
280,8
280,5
280,2
279,9
279,6
2018
2019
2020
2021
2022
janvier
février
mars
avril
mai
juin
juillet
août
septembre
octobre
novembre
décembre
Année (jours)


Niveau d'eau journalier exutoire Spodumene (B7)
Élévation (m)
280
279,8
279,6
279,4
279,2
279
278,8
278,6
278,4
278,2
2021
2022
janvier
février
mars
avril
mai
juin
juillet
août
septembre
octobre
novembre
décembre
Année (jours)







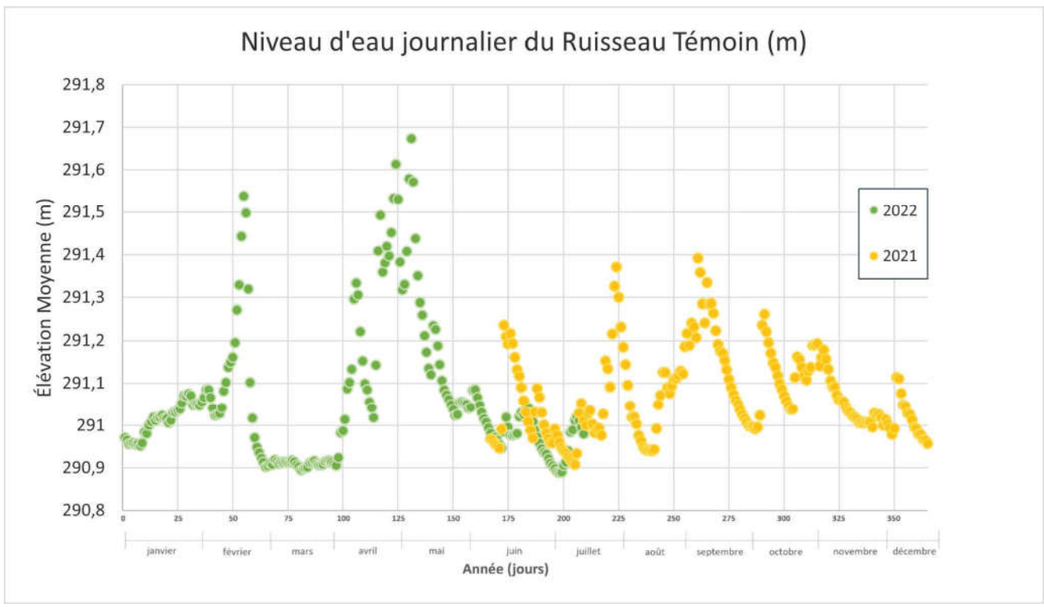
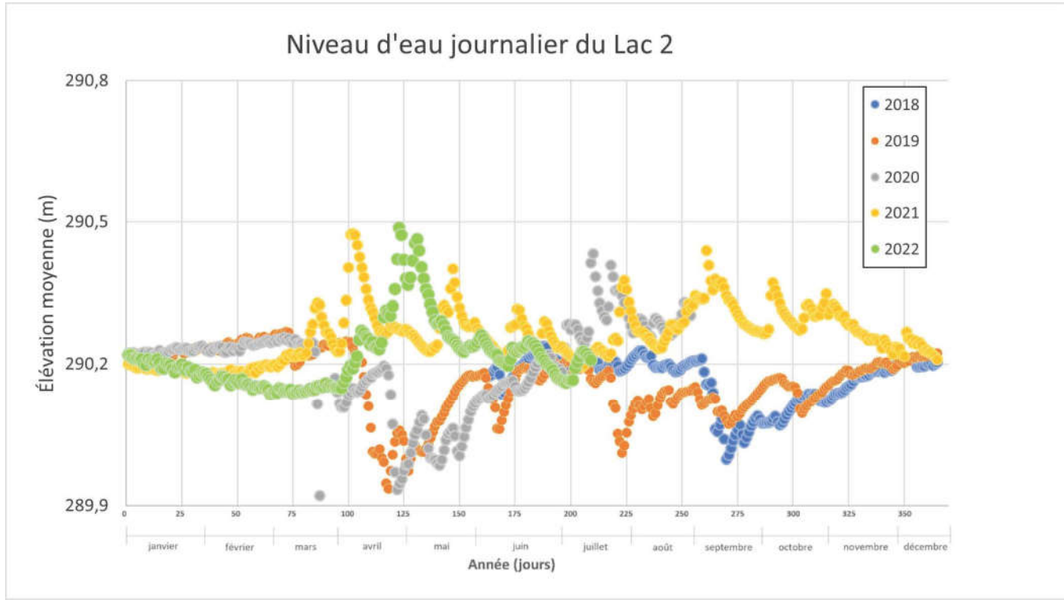
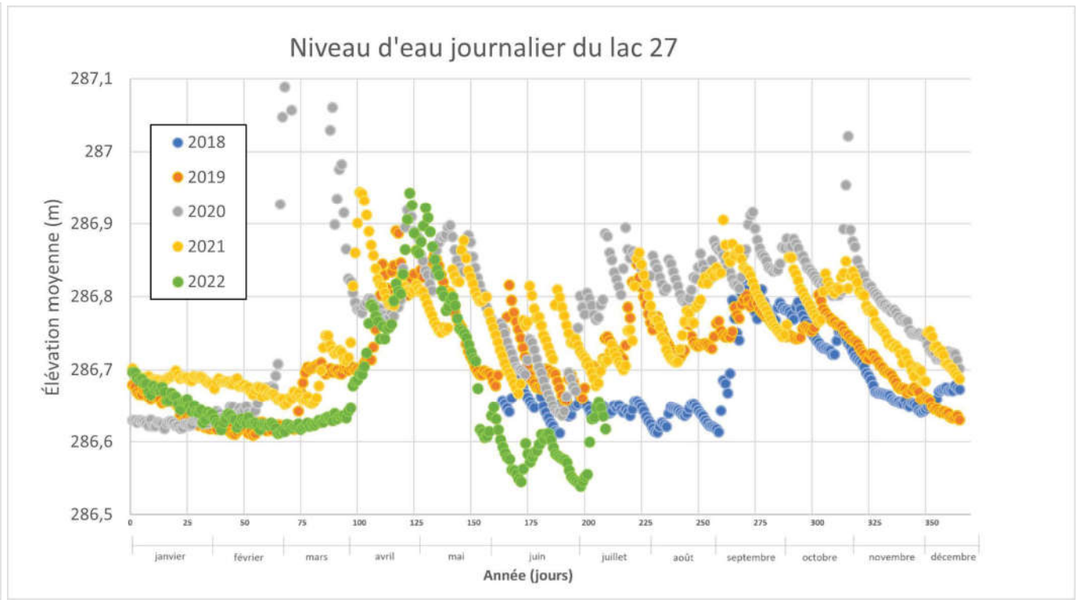
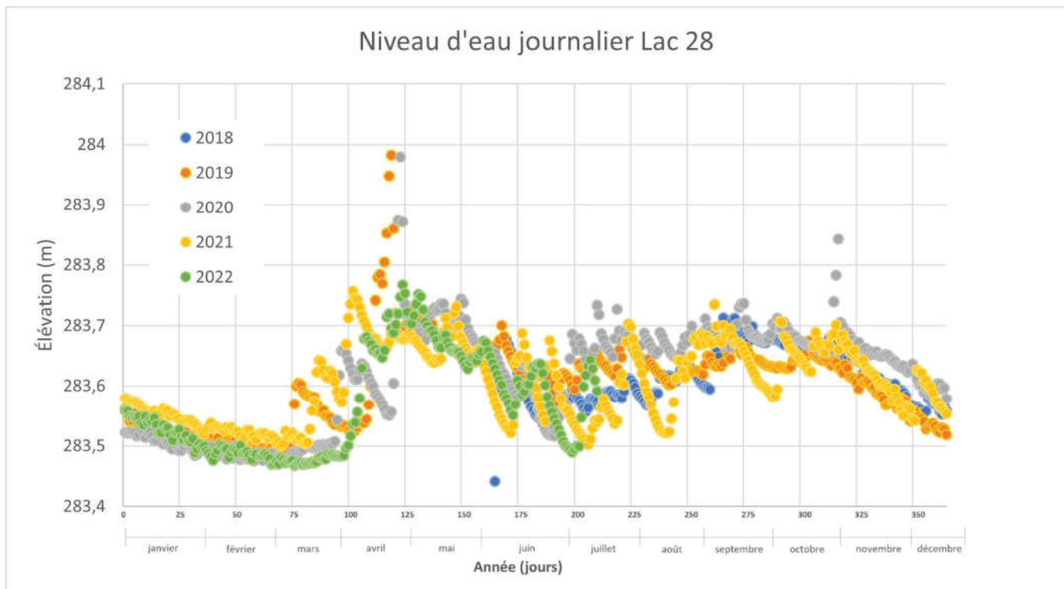


Figure 2. Daily Water Level Changes in Study Streams Between 2018 and 2022







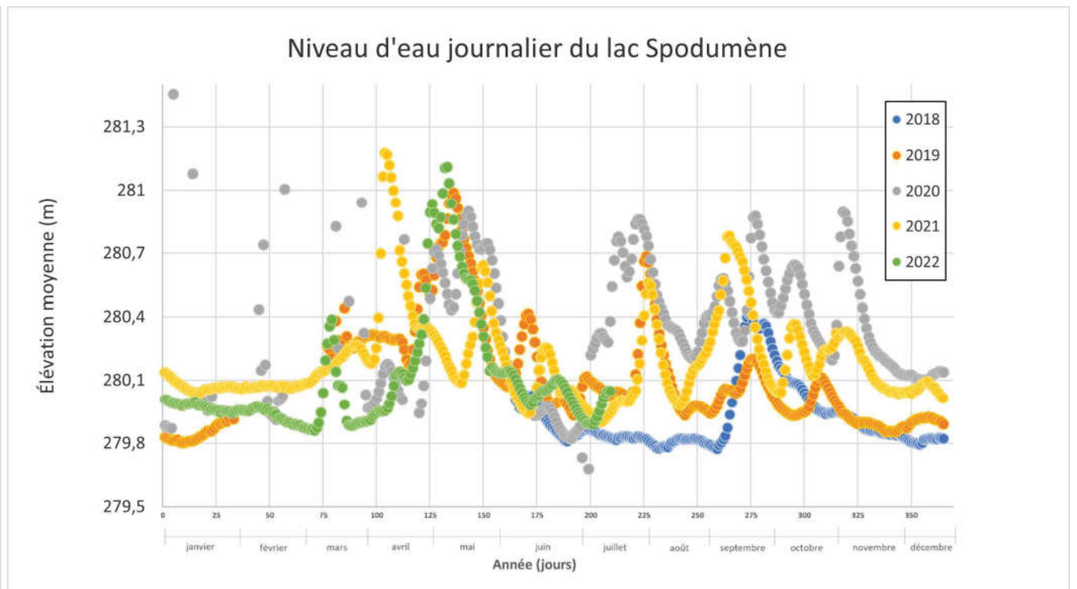


Figure 3. Daily Water Level Variation in the Study Lakes Between 2018 and 2022

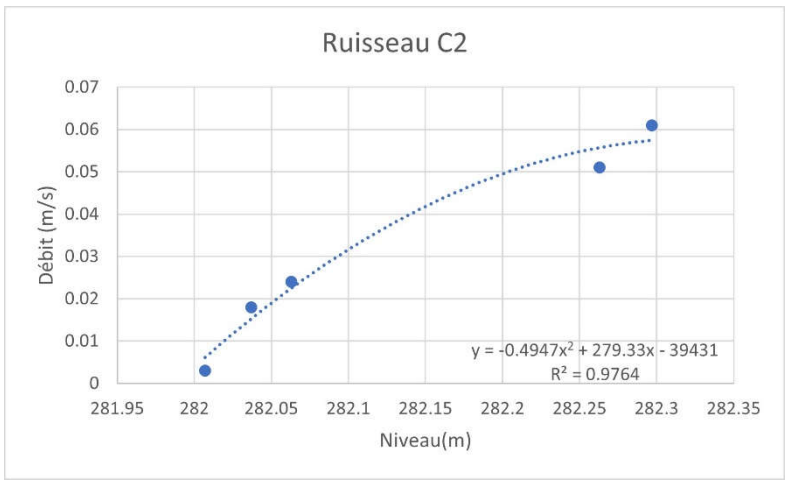
3.3 Flow Level Relation

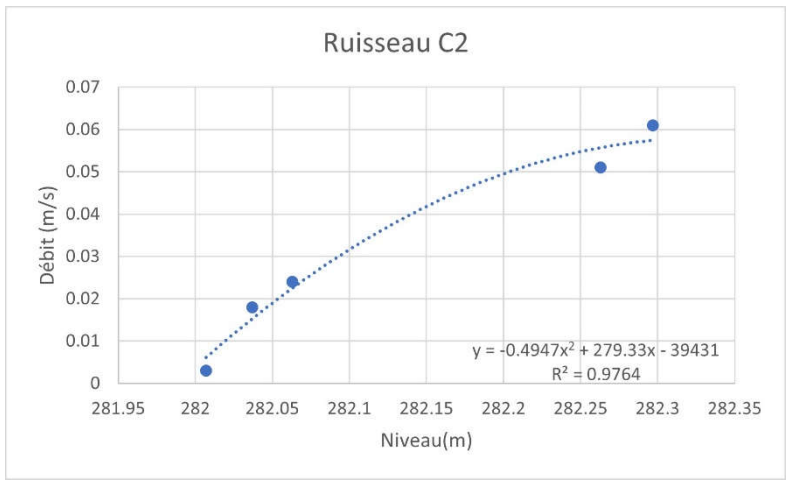
The relationship between level and flow was examined for streams where we have a minimum of three flow data sets. It should also be noted that some suspect flow values were discarded in the linking.

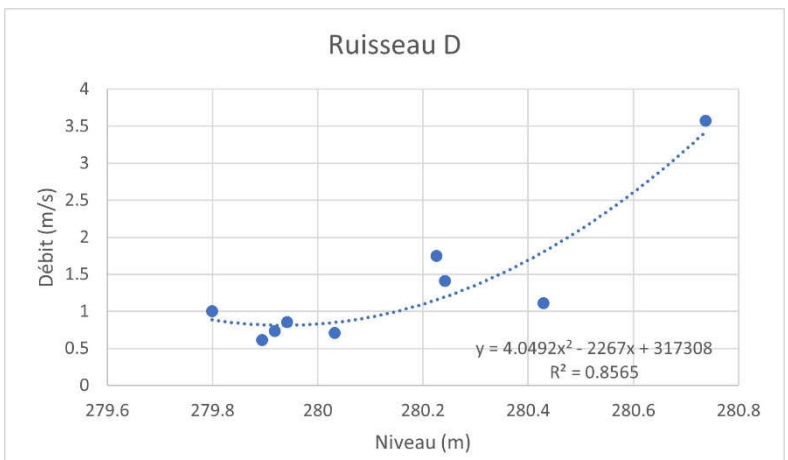
Looking at the graphs in Figure 5, we can first see a good correlation between water level and flow in C, G and D Creeks and the Lake 2 outfall. This relationship demonstrates that it will eventually be possible to obtain flow directly from the values of the recording probes. Furthermore, the data currently available already allows us to estimate the flow of these streams from the level values with a respectable level of confidence. At the Nemiscau River and station J1, the relationship between water levels and flows is not as equivocal, although the 2022 campaigns have helped to increase the correlation. Therefore, it will be necessary to continue the calibration program at these hydrometric stations before pronouncing on flows with a greater degree of confidence.

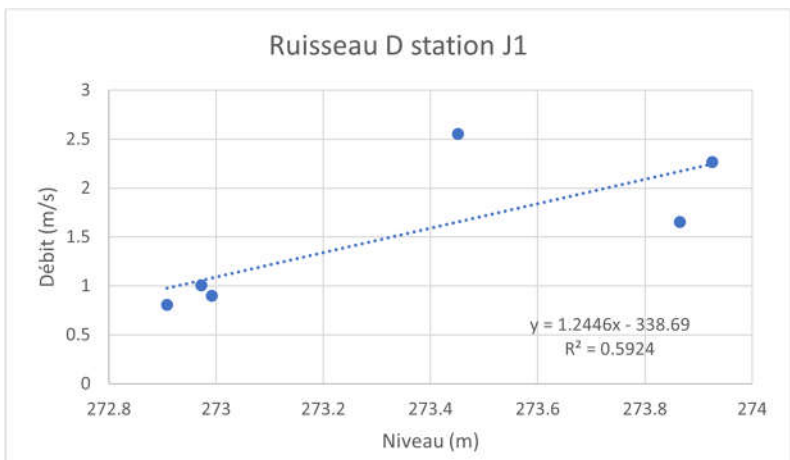
Although the correlation for the Lake 2 outfall regarding the level/discharge relationship is good, the value collected on September 12, 2021 seems to provide a source of error and change the true nature of the correlation. It is indeed strange to observe a lower flow with a higher water level. It is possible that a reading error was introduced during the field surveys. It would therefore be relevant to collect a new data in this water level spectrum in order to validate the whole. According to the data in figure 2, this water level would only be reached during the spring flood and a few times during the fall flood. Therefore, it is recommended that an inventory campaign be carried out in the fall of 2023 to help complete/enhance the missing values as during flood periods.

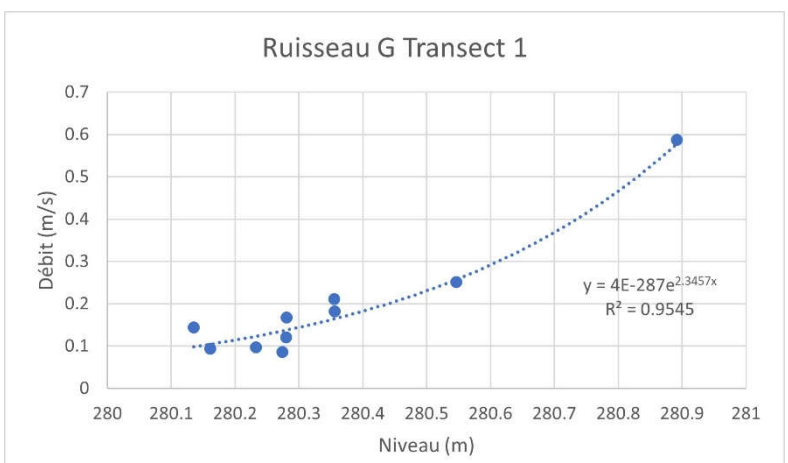
The validity of the stage-discharge relationship can be verified as more data become available. Moreover, the analysis of the level-flow relationship graphs makes it possible to target the water levels for which it is necessary or relevant to obtain more data in order to refine the rating curve of the rivers under study. As an indication, a minimum of three flow collection campaigns is necessary to establish a rating curve. Ideally, one data collection is necessary during low water, in average level and another during a flood. Subsequent data collection campaigns should target periods when water levels are between those already collected. To this end, the data presented in Figures 2 and 3 allow us to target the periods of time during which the flow data needed to optimize the rating curve of the level-flow relationship can be collected. As mentioned before, everything suggests that we have enough data to cover the summer period, but that too few data have been collected during the fall season, which, according to figures 2 and 3, seems to be a good season for collecting data during flood periods.

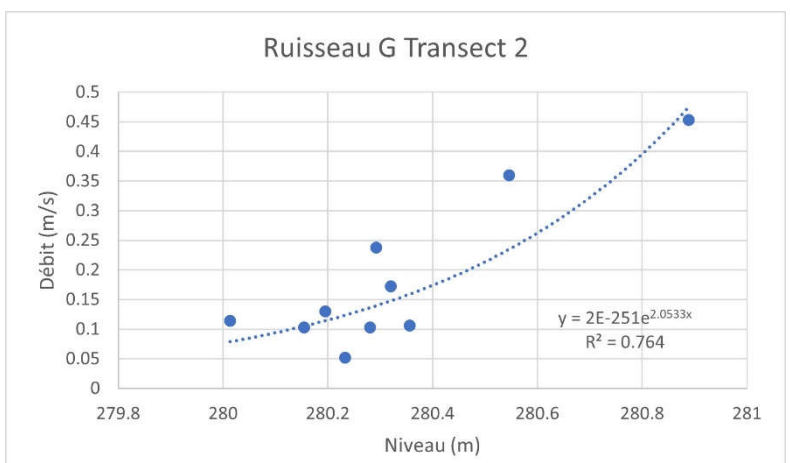


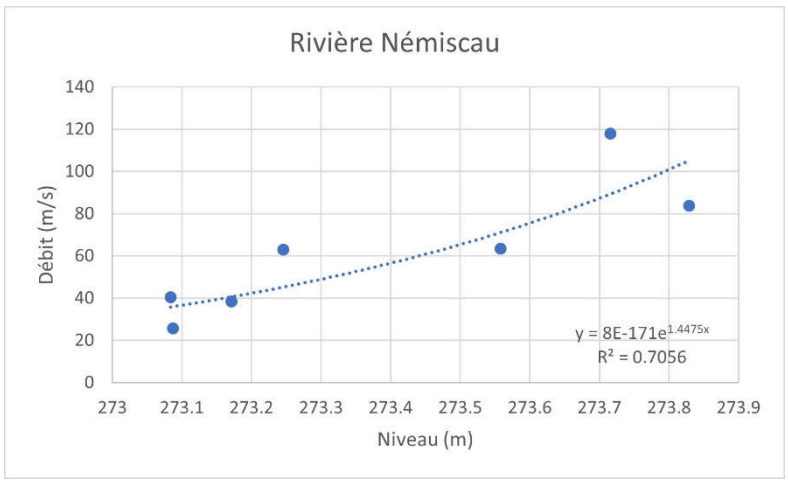












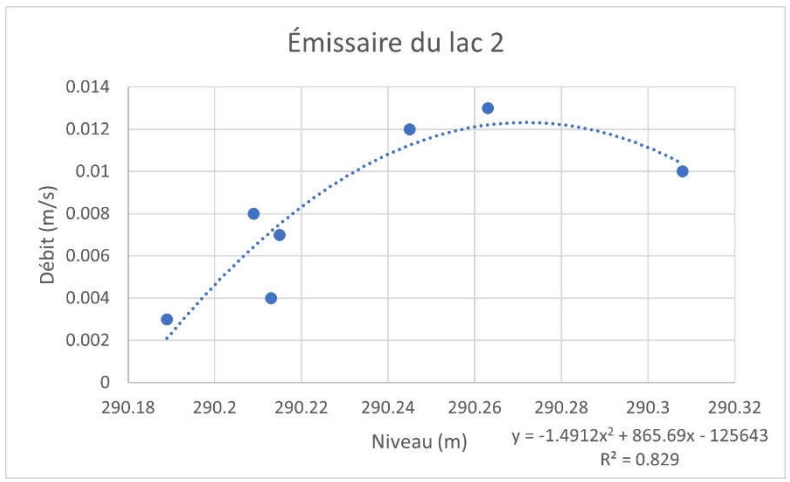


Figure 4. Relationship Between Water Level (m) and Discharge (m/s) for Study Streams

3.4 Initial Status of Outflow at the Outlet of the Wetland Located Downstream of Spodumene Lake (follow-up NMX-B7A)

Flow was measured twice in two years of monitoring and the data are presented in Table 1 (Section 3.1). It can be noted that the flows at this station show a similar pattern to what has been observed at the other stations on D Creek. It can therefore be stated with a high level of certainty that the flow measured on June 1, 2022 shows a value close to the average summer flow and represented the end of the spring freshet with a level rise of about 279 m. It can be noted that the water level of the river at this station varies slightly more than for the other hydrometric stations in the river (Figure 2). Indeed, a peak exceeding the value of 280 m during the spring flood compared to the average summer value of about 278.8 m was observed for this station when the average variation for the other stations varies from about 0.3 to 0.7 m. This could be explained by the fact that the stream is relatively incised at this station compared to the other stations.

3.5 Water Levels above Spawning Sites in C, D and G Creeks

Table 3 presents the water level changes and current velocities over the spawning grounds of C, D and G Creeks in 2022.

During the spring monitoring of the week of June 2, near the end of walleye spawning (10°C), there was a water thickness of 1.10 m at the access to C Creek from Spodumene Lake (D Creek, station 1). The water level is therefore more than sufficient to allow walleye from Spodumene Lake to reach D creek. At the D creek walleye spawning area (D Creek, station J1), the water thickness averaged 40 cm, which is sufficient to ensure the spawning of the species. Walleye normally spawn in depths of about 20 cm, but individuals have been documented spawning in depths as shallow as 8 cm (Raabe, 2006). The current speed documented during the monitoring at the spawning site was between 0.43 and 0.81 m/s, which is favourable for walleye spawning. This species does indeed spawn in streams where current velocity is generally between 0.4 and 1.0 m/s (Bozek et al. 2011).

The results show that in the fall, the water level above the spawning grounds of C and G creeks is maintained around 20 cm thick, which is sufficient for brook trout spawning. In fact, a minimum water thickness of 10 cm is required for this species (MFFP, 2016)

Table 3. Variation in Water Levels and Velocities Over Spawning Areas in 2022

				Measure 1		Measure 2		Measure 3		Measure 4		Measure 5		Measure 6		Measure 7		Measure 8		Measure 9		Measure 10		Measure 11		Measure 12		Measure 13	
Site	Flow (m^3/s)	Space between measure-ments (m)	Date	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)	V. (m/s)	D. (m)
D Creek Station 1	1,751	1,0	01-june-22	0.00	0.25	0.00	0.43	0.00	0.70	0.00	0.80	0.00	0.58	0.00	0.45	0.32	0.45	0.39	0.60	0.39	0.63	0.50	0.85	0,40	1,05	0,41	1,10	0,00	0,40
	0,732	1,0	29-july-22	0.00	0.20	0.00	0.46	0.00	0.75	0.00	0.56	0.00	0.27	0.05	0.26	0.18	0.23	0.28	0.38	0.26	0.51	0.20	0.80	0,17	0,95	0,17	0,92	-	-
Spawning area J1 D Creek	2,262	1,0	03-june-22	0.52	0.33	0.63	0.35	0.75	0.45	0.57	0.52	0.68	0.35	0.81	0.40	0.64	0.45	0.74	0.40	0.43	0.37	-	-	-	-	-	-	-	-
	1,653	1,0	28-july-22	0.53	0.30	0.61	0.37	0.56	0.35	0.47	0.40	0.64	0.30	0.68	0.45	0.37	0.45	0.55	0.30	0.38	0.27	-	-	-	-	-	-	-	-
Spawning area C Creek	0,034	0,30	03-june-22	0.02	0.22	0.10	0.28	0.20	0.28	0.11	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0,021	0,30	28-july-22	0.07	0.12	0.20	0.20	0.08	0.25	0.01	0.20	0.02	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G Creek Transect 1	0,211	0,50	02-june-22	0.00	0.10	0.00	0.10	0.00	0.40	0.30	0.50	0.30	0.60	0.20	0.60	0.10	0.50	-	-	-	-	-	-	-	-	-	-	-	-
	0,114	0,50	29-july-22	0.40	0.10	0.50	0.20	0.50	0.20	0.20	0.20	0.10	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
G Creek Transect 2	0,238	0,50	02-june-22	0.26	0.12	0.48	0.17	0.63	0.24	0.21	0.26	0.23	0.27	0.19	0.26	0.24	0.24	-	-	-	-	-	-	-	-	-	-	-	-
	0,182	0,50	29-july-22	0.02	0.23	0.75	0.24	0.36	0.25	0.29	0.27	0.10	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Measurements 1 to 13 correspond to the different measurement points in each transect
V. = Velocity and D = Depth

4 Conclusion and Recommendations

The 2018 to 2022 hydrologic monitoring work provides a preliminary picture of the baseline condition, but additional data will need to be collected to complete the study. As such, partial data should be considered and interpreted with caution.

The data collected allowed the detection of annual and interannual trends in flows and water levels in the study river system. A relationship between water levels (elevation) and flows is obtained for most streams, but refinement of the relationship is often required to obtain a higher level of confidence. Additional data will need to be collected for this purpose.

For the first time in 2022, it was possible to monitor the spring freshet at NMX B7 to track the outflow from the slough below Spodumene Lake, consistent with NMX B7A monitoring. It can be noted that the flows at this station show a similar pattern to what was observed at the other stations on D Creek, but with a slightly higher spread between peak and summer mean flow.

Water level and flow monitoring conducted at the spawning grounds since 2018 indicate that water levels above the spawning grounds are sufficient to provide spawning for the target species. Indeed, water levels have never dropped below the acceptable threshold for fish spawning since the beginning of the monitoring. This implies that conditions are permissive for spawning under natural conditions.

Based on the results of this monitoring, the following recommendations are made for continued hydrological monitoring from 2023 onward:

- Conduct a spring monitoring campaign during the last week of May to collect flow data relevant to the implementation of the level-flow relationship;
- Conduct a second fall campaign in September or as needed;
- Continue NMX B7A monitoring in the same manner as NMX P7 monitoring so as to complete the initial status of outflow at the slough outlet downstream of Spodumene Lake;
- Resurvey benchmarks on the Nemiscau River and other in-lake stations;
- Update faulty or inadequate equipment at level recorders;
- Obtain mine site drainage pattern to assess effect on flow at Lake 2 outlet;
- Install a weather station at the mine site with at least a rain gauge and ideally, also obtaining snow levels.

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Nemaska Ressources

Appendix 3
Groundwater (NMX P8)

Nemaska Ressources

Environmental Monitoring Report for the Whabouchi Spodumene Mine Project 2022

Groundwater
(NMX P8)

Report presented to:

Nemaska Lithium

March 16, 2023

Project 121022001
(22-0186)

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Nemaska Ressources

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Revision N°	Date	Description of modification | issue
03	2023-03-16	Final report
02	2023-02-01	Conclusion modifications of draft version
01	2023-01-23	Draft version

Scope and Limitation

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Reference to Quote

Nemaska Ressources. 2023. Environmental Monitoring Report for the 2022 Whabouchi Spodumene Mine Project - Groundwater (NMX P8). Project report 22-0186). 31 pages + appendices.

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1 Introduction

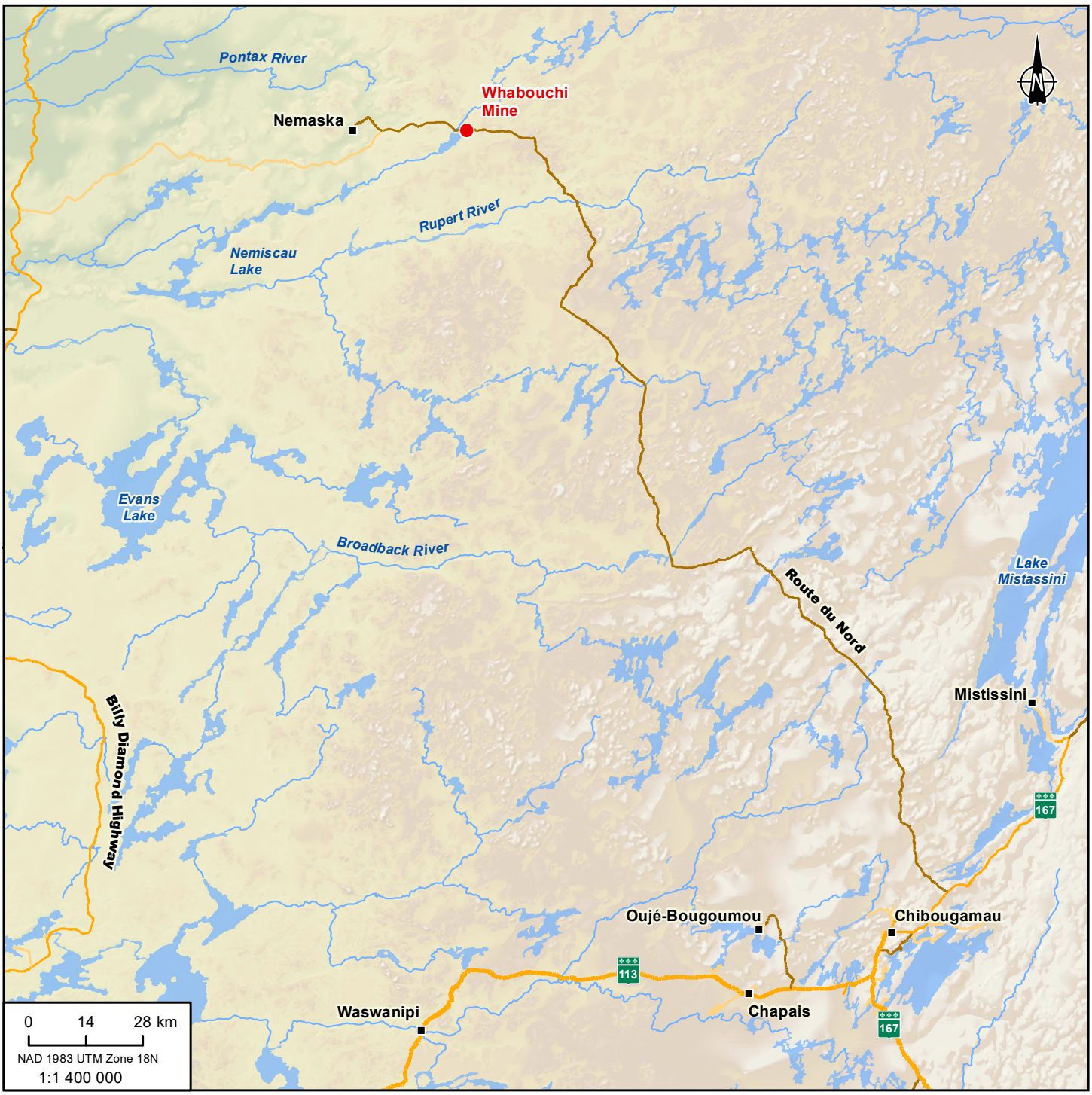
Nemaska Lithium's Whabouchi Mine project consists of developing a deposit of spodumene, a lithium-rich mineral. The Whabouchi Mine is located along the Route du Nord, on the territory of the Regional Government of Eeyou Istchee Baie-James (GREIBJ), 30 kilometres east of Nemiscau and 280 kilometres north of Chibougamau (Map 1).

In its Environmental and Social Impact Assessment (ESIA), Nemaska Lithium committed to conducting groundwater quality monitoring (Nemaska Lithium, 2013; Roche ltée, 2014a and 2014b). This is the NMX P8 follow-up of the Whabouchi Mine Environmental and Social Monitoring Program (Norda Stelo, 2019).

Because groundwater quality and flow regime may be affected by mining activities, groundwater monitoring is required under:

- Sections 2.3.2 and 2.3.3 of the Mining Directive 019 (MDDEP, 2012):
  - Section 2.3.2: The operator shall install a groundwater monitoring network around the at-risk developments defined in Section 2.3.1.1, except in the case where all underlying hydrogeologic formations are Class III without hydraulic connection. Where a tailings impoundment area with Level A or Level B sealing measures is present, the operator shall install a groundwater monitoring network in all cases, without exception;
  - Section 2.3.3: The operator shall conduct piezometry monitoring at locations where observation wells have been installed for groundwater quality monitoring. The frequency of measurements shall be twice a year, in the spring and summer, to represent the periods of high and low water. Before the beginning of mining activities, the initial piezometry must be determined. This may be done by taking water samples to determine the local background.
- Global certificate of authorization from the ministère du Développement de l'Environnement et de la Lutte contre les Changements climatiques (Reference 3214-14-052, issued September 8, 2015 and amended July 26, 2016) (MDDELCC, 2015 and MDDELCC, 2016):
  - Condition 24: One (1) year after the authorization of the project, the proponent shall file for approval, with the Administrator, an update of the environmental and social follow-up program, which shall include the follow-ups described in the Mining Industry Directive 019, those subject to a commitment by the proponent, as well as the follow-ups required by this certificate of authorization. The environmental and social follow-up program must include the participation of the Nemaska Crees and the Environment Committee provided for in the Chinuchi Agreement. The proponent shall specify the extent to which the Nemaska Crees are involved in carrying out these follow-ups, more specifically those concerning *Lac des Montagnes*. The environmental and social follow-up program must also include the post-operation and post-restoration follow-ups planned for the project;

- Condition 33: The proponent shall incorporate monitoring of major ions, total dissolved solids, and redox potential in groundwater as part of its environmental and social monitoring program under Condition 24.



Map 1

Location of the Whabouchi Mining Project

Infrastructure

- Whabouchi Mine

Hydrography

- Permanent Watercourse
- Waterbody

Road Network

- National Road
- Collector Road
- Local Road
- Access Road

Data Sources:
BDGA 1:1 000 000, MERN Québec, 2020
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium

Nemaska Ressources

1.1 Mandate and Objective

The general objective of the environmental follow-up program is to measure, observe, and document any changes (natural or project-related) in the environment in relation to the baseline, to verify the accuracy of the environmental assessment, and to evaluate the effectiveness of the mitigation measures proposed as part of the project's environmental assessment. This follow-up allows Nemaska Lithium to meet its commitments to the various government authorities and communities.

The overall objective of the NMX P8 groundwater monitoring is to track changes in groundwater quality and levels in order to measure the actual impacts of the project on these indicators. As the mine site is currently in the care and maintenance phase, the objective of the 2022 monitoring is to determine background levels. For this purpose, the services of Richelieu Hydrogéologie inc. have been retained by Nemaska Ressources.

The specific objectives of this follow-up report are as follows:

- Monitor groundwater levels and quality at mining infrastructure that may be considered at-risk development under Directive 019;
- Measure the effects of open-pit operations on groundwater levels.

This last objective is specifically aimed at the operation phase of the mine.

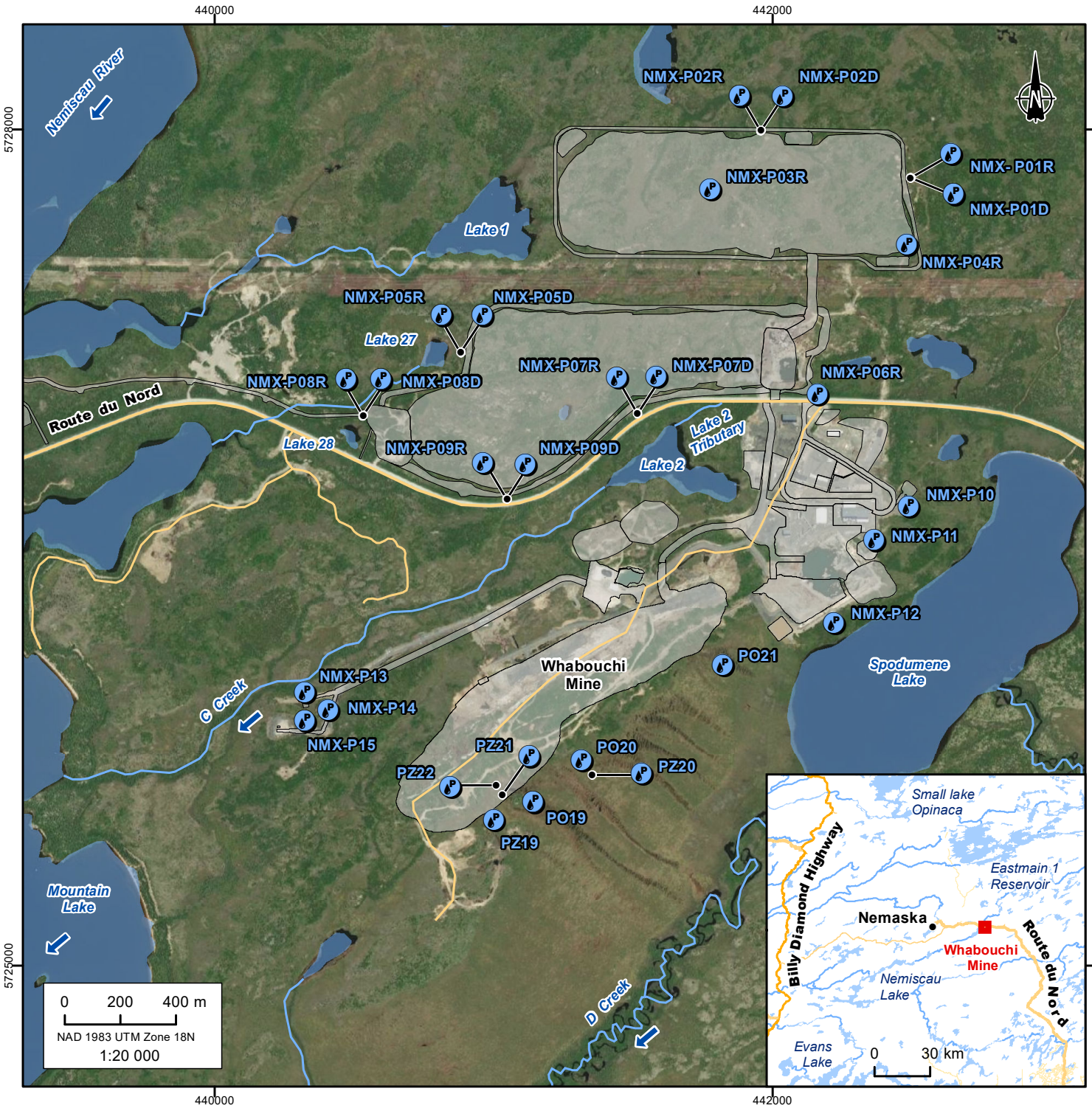
The following sections describe the sampling campaigns conducted to date, present the results obtained, explain and interpret the quality control of the results, and propose modifications to the program, if necessary.

This document presents the status as of August 2022.

Note that one of the related objectives of this monitoring (Norda Stelo, 2019) is for groundwater depth in the minerotrophic and ombrotrophic areas of Spodumene Lake Bog (NMX monitoring B7D). Under normal circumstances, this monitoring, which concerns groundwater, would be covered in this report. However, it can only be done once additional piezometers have been installed in the bog to monitor changes in the water table at this location. In the absence of these piezometers, no data are available on groundwater level fluctuations in the bog.

1.2 Study Area

Map 2 shows the study site and the location of the observation wells being installed in 2019 and sampled in this follow-up.



Map 2

Location of Sampling Stations

Infrastructure

- Whabouchi Mine

Hydrography

- Flow Direction
- Permanent Watercourse
- Waterbody

Road Network

- Main Road
- Local Road

Groundwater Sampling Station

- Observation Well

Data Sources:
Géobase du réseau hydrographique du Québec, MERN Québec, 2019
Road Network, Adresse Québec, 2021-12; Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Groundwater (NMX P8)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2 Methodology

In order to facilitate environmental monitoring around the mine, drilling and installation of observation wells was carried out in March and April 2019 with the aim of monitoring piezometric levels and groundwater quality. A total of 21 observation wells, either individual or grouped in nests of two wells, were placed in bedrock and overlying deposits. These wells, numbered NMX-P01 to NMX-P15, are located in the vicinity of the plant, the garage, the explosive storage facilities, and the waste rock and tailings piles.

2.1 Sampling Schedule

Two groundwater sampling campaigns were conducted in June and July of 2022, shortly after the spring freshet and at the end of the summer period. Where possible, these dates were selected to match sampling to high and low water periods.

Table 1 below presents the schedule for the sampling campaigns.

Table 1. Groundwater Monitoring Work Schedule

Date	Event
June 3 to June 5, 2022	Sampling after spring freshet
July 29 to August 2, 2022	Sampling at the end of the summer period

2.2 Groundwater Sampling Methodology

The sampling work was carried out following the guidelines of the guides published by the Centre d'expertise en analyse environnementale du Québec (MDDELCC, 2008, 2011, 2017).

Two methods were used to sample the wells: micropurge and volume purge. The micro-purge method uses a peristaltic pump (geopump) and the fixed volume purge method uses a Hydrolift pump (photos 1 and 3 in Appendix 1).

Generally, for wells of 8 or 9 metres and more in depth, peristaltic pumps are not powerful enough to pump water, so the Hydrolift pump must be used. The Hydrolift is used with a tubing equipped with a Waterra type ball valve and works according to the following principle: during the descent, the water is pushed inside the tubing and is trapped during the ascent by the retaining ball fixed at the base of the tubing. By continuously moving the tube up and down, the water rises to the surface. The Hydrolift makes it possible to make the

back and forth.

When the depth is less than 8 metres, micropurging should always be preferred, because it avoids the suspension of particles at the bottom of the well and it allows not to mix the different horizons present in the same well.

The sampling process takes approximately 45 minutes per observation well. Dedicated 9.5 mm diameter HDPE tubing is present in the wells and the depth to be sampled is indicated with a line. This corresponds to approximately 1 m from the bottom of the well.

When a sample is taken, it is important to ensure that the water collected is representative of the hydrogeological conditions at the time the sample is taken. For this reason, the well must be purged. This avoids sampling stagnant water that does not represent the natural conditions of the aquifer, since it no longer has the same physicochemical characteristics, especially since it has been in contact with oxygen. The steps of realization are the following:

2.2.1 Step 1: Reading of the Piezometric Level

The first step is to measure the depth of the water table with a Heron electric probe. The reference point is the top of the internal casing of the well. Then, the probe is lowered to the bottom of the well to measure its depth. The diameter of the well is noted, as well as general information such as the condition of the well and the height above ground of the protective casing. Using the diameter of the well and the height of the water column in the well, it is possible to calculate the volume of water in the well. This volume is needed to determine the required volume to be pumped out during the volume determined purge (VD).

Before each measurement, the probe is cleaned by rinsing the graduated tape in a soap solution of Alconox brand, followed by a rinse with demineralized water.

2.2.2 Step 2: Purge

As previously mentioned, two methods of blowdown were used, the microblowdown and the predetermined volume blowdown. The micro-flush method is used for wells with a shallow water level (less than 9 m). A peristaltic pump is used in this case. The peristaltic pump is equipped with a power cord that can only be connected to a 12 V socket (car lighter). If the well is inaccessible by vehicle, it is then necessary to take along an energy source of the Power Pack type (1000 W in this case) which can supply the energy. The duration of the micropurge is approximately 15 minutes. The dedicated HDPE casing in the well is coupled to a flexible hose (Tygon) and inserted into the pump mechanism. Note that one hose is dedicated for each well. The sampling device is then connected to a YSI ProPlus multiparameter probe equipped with a closed measuring chamber (flow cell) for continuous verification of physicochemical parameters. When the parameters (dissolved oxygen, temperature, conductivity, pH, ORP) are stable for 10 seconds, the values and the purge

time are noted. The piezometric level is measured again at the end of the purge and the pumped volume is noted. The multiparameter probe is then disconnected and the sample is taken. Care is taken to minimize the drawdown of the well and not to exceed a purge rate of 0.5 L/min.

The volume-determined purge method is used with deep wells (9 metres and more). Since the pumping method induces water mixing in the well, it is impossible to sample a precise horizon of the well screen, as is the case with micropurging. The water in the well must then be completely renewed before the sample is taken. The volume to be purged is then 3 times the volume of water present in the well, according to the following formula:

Volume to be purged = 3x ((Depth(tot) – (Depth(water)) x π x r^2)

The duration of the volume purge is approximately 30 minutes. The flow rate is adjusted so that the volume to be purged lasts no longer than one hour, but not to exceed the flow rate of 1 L/min, if possible. A 9.5 mm diameter HDPE tubing is present in the well with a ball valve at its end. Pumping is done in a back-and-forth motion using a Hydrolift pump powered by electricity from a portable generator or vehicle power, where possible.

When the determined volume is pumped, pumping is continued in order to make the physicochemical measurements (in a graduated bucket or in the transparent cup of the probe). The duration of pumping and the volume pumped are then noted, and the dynamic level is measured. Sampling is then carried out.

2.2.3 Step 3: Sampling

Sampling is done according to the laboratory's guidelines (some bottles must be filled to the rim so that there is no air left in the bottle). The bottle dedicated to dissolved metals sampling is the last to be filled since the water sample must be filtered to remove solids from the water using a high capacity 45 micron mesh filter designed for high turbidity waters (Waterra FHT-45). It should be noted that the filters are single use (one per sample).

The collected water samples are then stored at 4°C in coolers equipped with ice packs and transferred to refrigerators until they are sent by air or road to the Bureau Véritas laboratory in Quebec City, which is accredited by the MELCCFP in accordance with the standards and requirements of the Program for the Accreditation of Analytical Laboratories (PALA) and the ISO/CEI 17025 standard.

2.3 Sampled Wells

The number and distribution of groundwater sampling stations remained similar during the two 2022 sampling campaigns. Table 2 shows the wells that were sampled during each of the sampling campaigns, while their locations are shown on Map 2. Wells PZ21 and PO19 were not sampled as they are broken. Well P019 has been broken for several years, but the breakage of well PZ21 dates back to 2021 (pumping pipe broken and stuck in the bottom, preventing the installation of a new pipe). A photographic report of the sampling conducted in 2022 is presented in Appendix 1.

Table 2. Wells Sampled During the Sampling Campaigns

May 2019	September 2019	October 2019	July 2020	June and September 2021	June and August 2022
23 stations	23 stations	14 stations	21 stations	20 stations	26 stations
NMX-P01R	NMX-P01R	NMX-P01R	-	-	NMX-P01R
NMX-P01D	NMX-P01D	NMX-P01D	-	-	NMX-P01D
NMX-P02R	NMX-P02R	NMX-P02R	-	-	NMX-P02R
NMX-P02D	-	-	-	-	NMX-P02D
NMX-P03R	NMX-P03R	NMX-P03R	-	-	NMX-P03R
NMX-P04R	NMX-P04R	NMX-P04R	-	-	NMX-P04R
NMX-P05R	NMX-P05R	NMX-P05R	NMX-P05R	NMX-P05R	NMX-P05R
NMX-P05D	NMX-P05D	NMX-P05D	NMX-P05D	NMX-P05D	NMX-P05D
NMX-P06R	NMX-P06R	NMX-P06R	NMX-P06DR	NMX-P06R	NMX-P06R
NMX-P07R	NMX-P07R	NMX-P07R	NMX-P07R	NMX-P07R	NMX-P07R
NMX-P07D	NMX-P07D	NMX-P07D	NMX-P07D	NMX-P07D	NMX-P07D
NMX-P08R	NMX-P08R	NMX-P08R	NMX-P08R	NMX-P08R	NMX-P08R
NMX-P08D	NMX-P08D	NMX-P08D	NMX-P08D	NMX-P08D	NMX-P08D
NMX-P09R	NMX-P09R	NMX-P09R	NMX-P09R	NMX-P09R	NMX-P09R
NMX-P09D	NMX-P09D	NMX-P09D	NMX-P09D	NMX-P09D	NMX-P09D
NMX-P10	NMX-P10	NMX-P10	NMX-P10	NMX-P10	NMX-P10
-	-	-	NMX-P11	NMX-P11	NMX-P11
NMX-P12	NMX-P12	NMX-P12	NMX-P12	NMX-P12	NMX-P12
NMX-P13	NMX-P13	NMX-P13	NMX-P13	NMX-P13	NMX-P13
NMX-P14	NMX-P14	NMX-P14	NMX-P14	NMX-P14	NMX-P14
NMX-P15	NMX-P15	NMX-P15	NMX-P15	NMX-P15	NMX-P15
PZ19	PZ19	PZ19	PZ19	PZ19	PZ19
PZ20	PZ20	PZ20	PZ20	PZ20	PZ20
-	-	-	PZ21	-	-
PZ22	PZ22	PZ22	PZ22	PZ22	PZ22
-	-	-	PO20	PO20	PO20
-	-	-	PO21	PO21	PO21

2.4 Analytical Program

The collected samples were analyzed for a series of parameters listed in Table 3.

Table 3. Groundwater Quality Monitoring Parameters for the Whabouchi Mining Project

Parameters	Unit	Detection limit 2021	Detection limit 2022
***In situ* physicochemical measures**			
pH	-	± 0,2	± 0,2
Electric conductivity	µS/cm	± 0,2	± 0,2
Water temperature	°C	± 0,5	± 0,5
Dissolved oxygen	%	± 1,0	± 1,0
Dissolved oxygen	mg/L	± 0,1	± 0,1
Hydraulic conductivity	m/s	± 0,2	± 0,2
Chemical analysis			
Bicarbonates	mg/L	1,000	1,000
Conductivity	mS/cm	0,001	0,001
Total cyanides	mg/L	0,003	0,003
pH	-	-	-
Redox potential	mV	-	-
Total dissolved solids	mg/L	10,00	10,00
Anions			
Bromides (Br-)	mg/L	0,10	0,10
Chlorides (Cl-)	mg/L	0,05	0,05
Fluorides (F-)	mg/L	0,10	0,10
Sulfates (SO_4^{2-})	mg/L	0,50	0,50
Nutrients			
Nitrates (NO_{3-})	mg N/L	0,02	0,02
Nitrites (NO_{2-})	mg N/L	0,02	0,02
Total extractable metals			
Aluminum (Al)	µg/L	10,00	30,00
Antimony (Sb)	µg/L	1,00	3,00
Silver (Ag)	µg/L	0,10	0,30
Arsenic (As)	µg/L	0,30	0,30
Barium (Ba)	µg/L	2,00	20,00
Beryllium (Be)	µg/L	0,40	2,00
Bismuth (Bi)	µg/L	0,25	50,00

Parameters	Unit	Detection limit 2021	Detection limit 2022
Boron (B)	µg/L	20,00	50,00
Cadmium (Cd)	µg/L	0,20	1,00
Calcium (Ca)	µg/L	300,00	300,00
Chromium (Cr)	µg/L	0,50	5,00
Cobalt (Co)	µg/L	0,50	20,00
Copper (Cu)	µg/L	0,50	3,00
Total hardness ($CaCO_3$)	µg/L	-	-
Tin (Sn)	µg/L	1,00	50,00
Iron (Fe)	µg/L	60,00	100,00
Lithium (Li)	µg/L	10,00	100,00
Magnesium (Mg)	µg/L	100,00	200,00
Manganese (Mn)	µg/L	0,40	3,00
Mercury (Hg)	µg/L	0,10	0,10
Molybdenum (Mo)	µg/L	0,50	10,00
Nickel (Ni)	µg/L	1,00	10,00
Phosphorus (P)	µg/L	10,00	10,00
Lead (Pb)	µg/L	0,10	1,00
Potassium (K)	µg/L	100,00	200,00
Selenium (Se)	µg/L	1,00	1,00
Silicium (Si)	µg/L	100,00	100,00
Sodium (Na)	µg/L	100,00	100,00
Strontium (Sr)	µg/L	2,00	50,00
Thallium (Tl)	µg/L	2,00	10,00
Titanium (Ti)	µg/L	10,00	50,00
Tungsten (W)	µg/L	1,00	10,00
Uranium (U)	µg/L	1,00	2,00
Vanadium (V)	µg/L	2,00	10,00
Zinc (Zn)	µg/L	5,00	5,00
Metals ICP-MS			
Cerium (Ce)	µg/L	0,30	0,30
Cesium (Cs)	µg/L	2,00	2,00
Dysprosium (Dy)	µg/L	2,00	2,00
Erbium (Er)	µg/L	0,50	0,50
Europium (Eu)	µg/L	0,40	0,40
Gadolinium (Gd)	µg/L	0,50	0,50
Holmium (Ho)	µg/L	0,30	0,30

Parameters	Unit	Detection limit 2021	Detection limit 2022
Lanthanum (La)	µg/L	0,30	0,30
Lutetium (Lu)	µg/L	1,00	1,00
Neodymium (Nd)	µg/L	2,00	2,00
Praseodymium (Pr)	µg/L	0,40	0,40
Rhenium (Re)	µg/L	-	-
Rhodium (Rh)	µg/L	0,20	0,20
Rubidium (Rb)	µg/L	2,00	2,00
Samarium (Sm)	µg/L	2,00	2,00
Scandium (Sc)	µg/L	3,00	3,00
Terbium (Tb)	µg/L	1,00	1,00
Thorium (Th)	µg/L	2,00	2,00
Thulium (Tm)	µg/L	0,30	0,30
Ytterbium (Yb)	µg/L	3,00	3,00
Yttrium (Y)	µg/L	2,00	2,00
Petroleum hydrocarbons (C10-C50)	µg/L	100,00	100,00
	2022 values above 2021 detection limit		

The results of the analyses were compared, where possible, to the groundwater quality criteria present in Appendix 7 of the MELCC Soil Protection and Remediation of Contaminated Sites (PSRTC) Intervention Guide (Beaulieu, 2019).

Many of the detection limits have increased between 2021 and 2022, making it difficult to read the trends for the parameters involved. Therefore, it is recommended to keep detection limits as low as possible, but more importantly, constant from one sampling campaign to the next.

2.5 Quality Control

Sampling, transport, and analytical methods were performed in accordance with the recommendations of the *Guide d'échantillonnage à fins d'analyses environnementales, cahier 3* (MDDEP, 2011). As an example, measurements of physicochemical parameters were performed continuously and samples were only taken when a stabilization of the parameters was observed. On each sampling day and for a randomly selected well, ("ghost") samples were collected in duplicate during the sampling campaigns. The duplicates collected were then named "ghost" or "duplicate" so that the laboratory could not determine the source of the duplicate sample. Field blanks and transport blanks were also collected during each sampling campaign. In order to achieve a minimum number of 10% of the duplicate samples, a minimum of three samples were collected as duplicates during the two sampling campaigns.

At each sampling campaign, the laboratory issued an analytical quality control certificate, detailing the use of method blanks, fortified blank and certified reference material.

2.6 Surveys and Monitoring of Piezometric Levels

In April 2019, Richelieu Hydrogeology Inc. conducted an initial water level survey of observation wells NMX-P01 through NMX-P15 and installed Levelogger automatic recording pressuremeter probes in each of these wells. The probes are programmed to take a measurement every six hours. Subsequently, a water level survey of the sampled wells was performed by the person in charge during each sampling campaign. These measurements and their interpretation are presented in section 4 of this document.

3 Results and Discussion

3.1 Validation of Laboratory Analysis

Validation of the analyses performed in the laboratory was performed using the following methods:

- Duplicate comparison;
- Ion balance;
- Electrical conductivity measured in the laboratory and *in situ*.

3.1.1 Comparison of Duplicates

Appendix 2 presents an examination of the results obtained from the six duplicates collected during the two sampling campaigns. It shows that the average error rate is about 11% for all the parameters analyzed for all the duplicates. Then, only 5.2% of the parameters analyzed for all wells (444) have values > 10% error compared to the duplicate samples (Hounslow, 1995). These differences in values can be explained by the type of analytical method, the calibration of the measuring devices or the type of elements analyzed (very low detection limit for example). In general, these errors are small and do not have a major impact on the interpretation of the results.

3.1.2 Ion Balance

The ion balance of major ions was done by comparing the sum of cations (Ca2+, Mg2+, Na+ and K+) to the sum of anions (Cl-, SO4-, HCO3- and NO3-, Br-, F-) in meq/L according to the following formula:

$$\text{Electroneutrality (\%)} = \frac{(\sum \text{cations} + \sum \text{anions}) * 100}{(\sum \text{cations} - \sum \text{anions})}$$

Of the 52 available samples excluding duplicates, the difference between the sum of cations and the sum of anions ranges from 0.003% to 44% with an average difference of 4.93%, which shows an improvement compared to the year 2021. It is only 10 samples that have values above 15%.

The rate is very acceptable for the calculation of the ion balance. For the few samples that show higher differences, this could be explained by a bad analysis procedure by the laboratory. It is more likely that these imbalances are caused by the low concentrations of major ions, sometimes below the detection limits. In addition, some ions were not quantified such as bromide, nitrates and phosphates. Finally, the presence of minor ions in high concentrations or the presence of organic

ions can also be the cause of the calculated unbalances (Hounslow, 1995). Since the quality of the measurement of major ions is validated by the measurement of duplicates, it is possible to confirm that despite the differences observed in the ion balance, this will have little impact on the final validity of the results.

3.1.3 Comparison of Electrical Conductivity Measured in the Laboratory and *In Situ*

Electrical conductivity (EC, µS/cm) measured in the laboratory was compared to values measured in the field. For both campaigns, the checks indicate a median error for conductivity of 22.5% with 34 out of 52 samples showing errors greater than 15%. The large differences in conductivity can be explained if the field measurement was done while the water was still turbid. In this case, some dissolved elements may have been retained by creating complexes with the particles present in the water. This could also be explained by a bad calibration of one (or both) of the measuring devices (laboratory and/or field), although less likely. Particular attention will be given to the calibration of the measuring devices during future campaigns and standardized calibration solutions will be provided in the field in order to monitor/correct the possible drift of the measuring sensors.

Finally, the electrical conductivity measured in the laboratory was compared to the sums of cations and anions according to the following formula:

$$\Sigma \text{ anions} = \Sigma \text{ cations (meq/l)} = \text{CE}/100 \text{ (µS/cm)}$$

The checks, made first with the anions, indicate a median difference of 25%, while the average difference with the sum of the cations is 32%. It is also observed that the samples with a high difference are not systematically the same as those identified by ionic balance. These differences are quite high and can be explained by the fact that some ions have not been quantified. Also, some major ions present very low concentrations, sometimes below the detection limits. Finally, the presence of minor ions in high concentration or the presence of organic ions can also be the cause of the calculated imbalances (Hounslow, 1995).

3.1.4 Other Verifications

Hounslow (1995) suggests several other validation calculations, including those that compare total dissolved solids or pH, measured in the field, with those measured in the laboratory or other calculations based on comparisons of calcium, sodium and potassium ions. These were not performed because total dissolved solids were only measured in the field, not in the laboratory. In addition, because the mine is located in a remote area, the laboratory pH measurement cannot be performed within a 24-hour time frame, making the laboratory pH data invalid for the quality control assessment of the measurements. On the other hand, the three verifications performed are considered sufficient.

3.2 Water Types Encountered

In order to characterize the types of water encountered at the Whabouchi Mine site, the results were separated according to the known hydrostratigraphic units, i.e. bedrock and unconsolidated deposits. The wells NMX-P12, NMX-P14 and NMX-P15 straddle the divide between unconsolidated deposits and bedrock. Therefore, their samples could not be assigned to a specific stratigraphic unit. The following paragraphs describe the results obtained for each of them and for each sampling period.

3.2.1 Hydrostratigraphic Units

Piper diagrams for all sampled wells (Figure 1) are shown below. The samples are identified by their well of origin, but also according to the date of sampling and the hydrostratigraphic unit encountered in the wells. It is possible to observe that the samples have three types of water: in majority, a bicarbonated calcium water (Ca-HCO_3), followed by a calcic-magnesian sulfate water (Ca, Mg-SO_4), and finally, a sodium bicarbonate water (Na-HCO_3), typically representing waters that have interacted with the reservoir rocks for a longer period. This profile remains quite similar to last year, although there is a decrease in the number of samples for Na-HCO_3 type waters, suggesting a slightly greater input of young surface water.

The Ca-HCO_3 type waters are characteristic of a recharge zone where they have little interaction with unconsolidated deposits and bedrock. In contrast, Ca, Mg-SO_4 type waters are generally found in areas where the waters may interact with evaporite type rocks (e.g., gypsum). Since the units in the region do not contain evaporite rocks, this scenario is unlikely. Another process that could explain the presence of Ca, Mg-SO_4 type waters would be the oxidation of naturally occurring sulfides either in reservoir rocks or in surface deposits and fills.

Furthermore, there does not seem to be a clear distinction between high and low water periods since the point clouds are located in the same areas. However, for the hydrostratigraphic units, the majority of wells composed of Ca, Mg-SO_4 type waters are located in bedrock. This can be explained by longer residence times than in unconsolidated deposits. For the other wells, the lack of distinction between rock and unconsolidated water indicates a strong hydraulic link between rock and unconsolidated deposits. This is especially likely because most of the wells in the bedrock are in the first few metres of the bedrock unit, close to the contact with the overburden. Water infiltration along the well casing is excluded, since all the wells have a bentonite plug opposite the contact with the surface deposits.

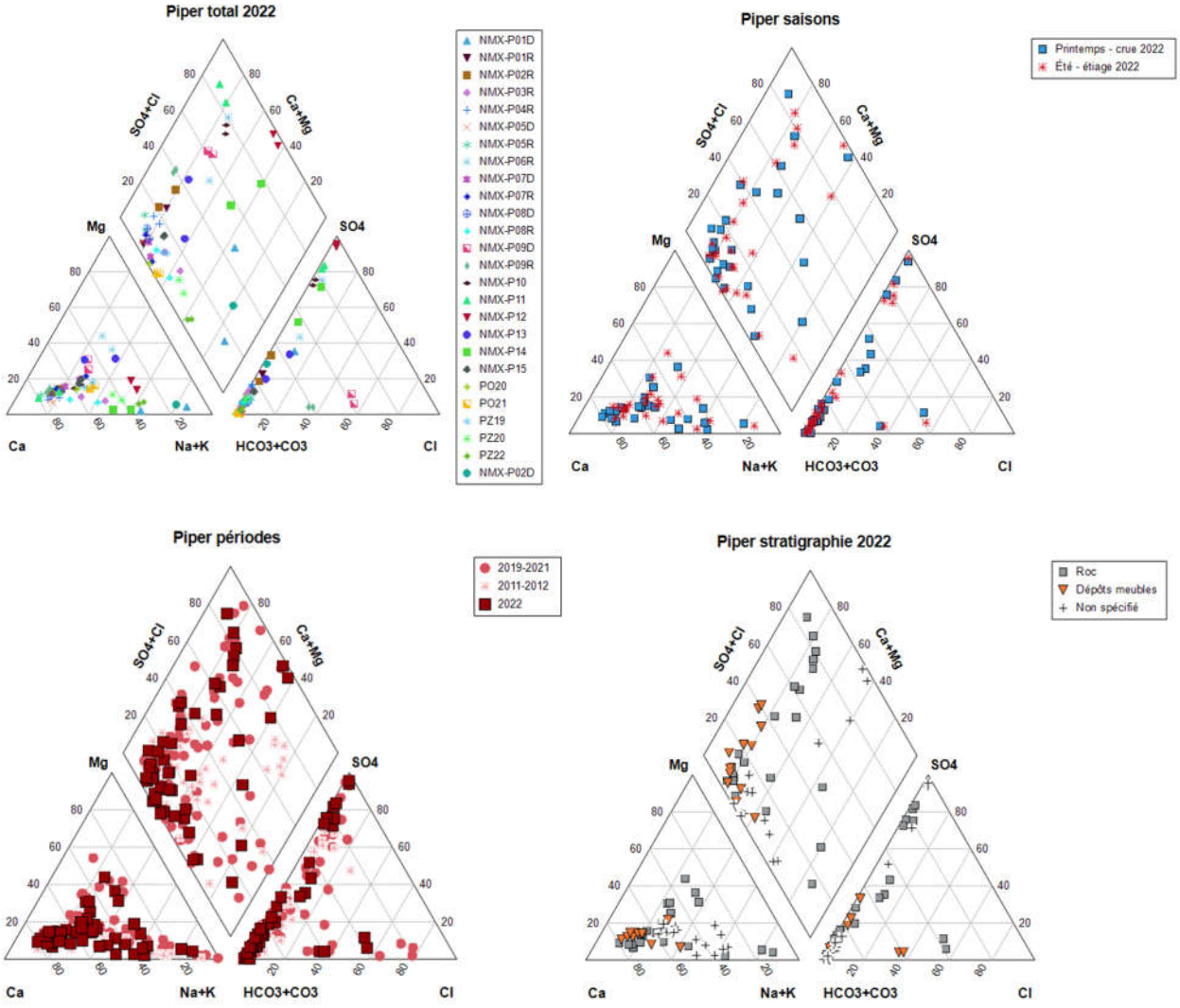


Figure 1. Piper Diagrams of All Stratigraphic Units

3.2.2 Till Deposit

The Piper diagrams for the wells installed in the unconsolidated deposits during high water (beginning of June 2022) and low water (end of July 2022) are shown below. It can be seen that the water in all wells is of the Ca-HCO_3 type, except for well NMX-P09D which is Ca-Cl and wells NMX-P01D and NMX-P02D which are Na-HCO_3. Ca-Cl type waters are generally of anthropogenic origin in areas such as the study site where there has been no marine invasion. Na-HCO_3 type waters reflect a longer residence time. The difference in water composition between the low and high water periods is minimal for the unconsolidated deposits, with the exception of well NMX-P01D which has two more varied compositions but still within the same Na-HCO_3 type water profile, a type that can be more easily modified by the dilution effect with younger recharge water.

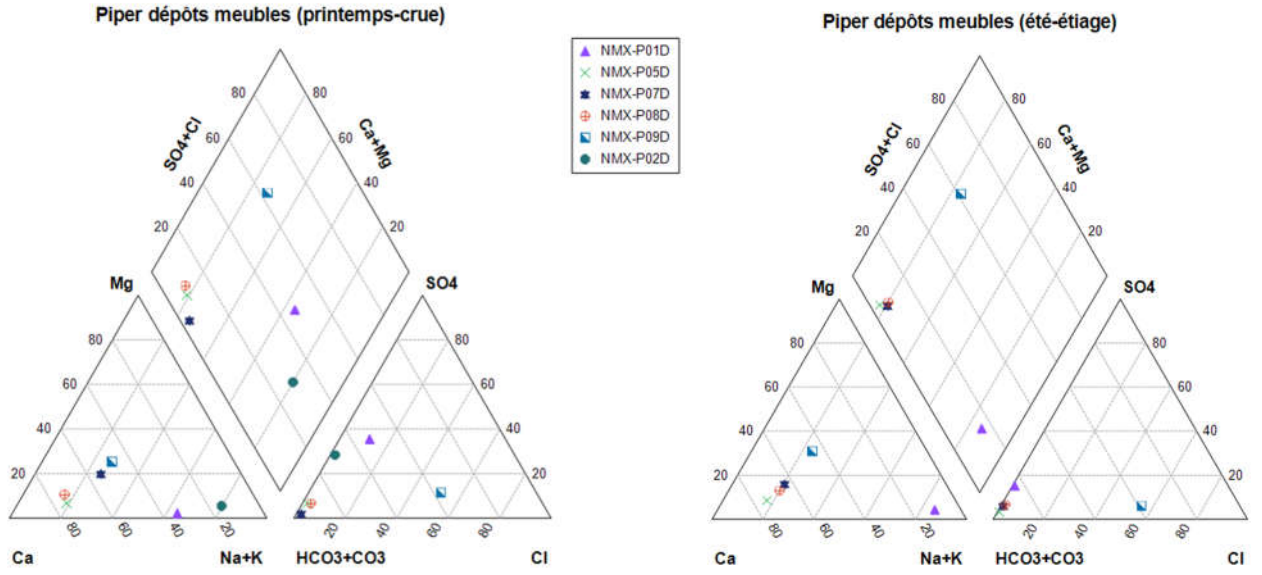


Figure 2. Piper Diagram Representing the Overburden Unit.

3.2.3 Bedrock

Piper diagrams for the wells installed in the bedrock during high and low water periods are shown below. The samples are distributed between the Ca-HCO_3 and Ca, Mg-SO_4 types. The water type varies very little for the majority of samples between high and low water periods for the bedrock. Only samples NMX-P06R and NMX-P13 vary more pronounced between high and low water periods, with an increase in sulfate concentration for sample NMX-P06R and a decrease in sulfate concentration for sample NMX-P13. This trend is similar to the year 2021.

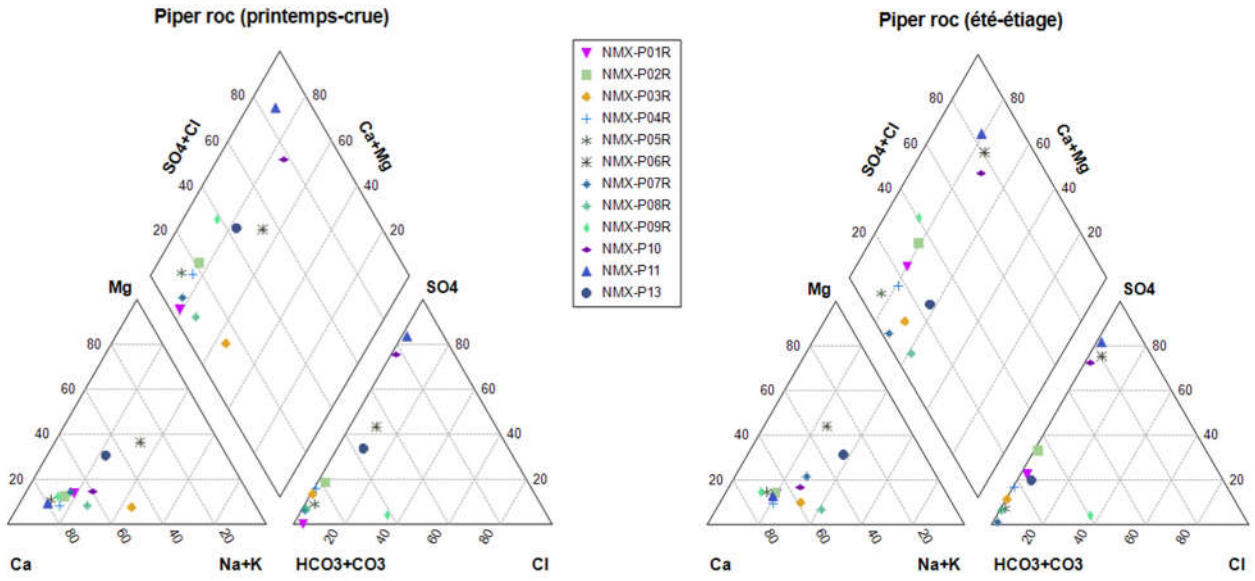
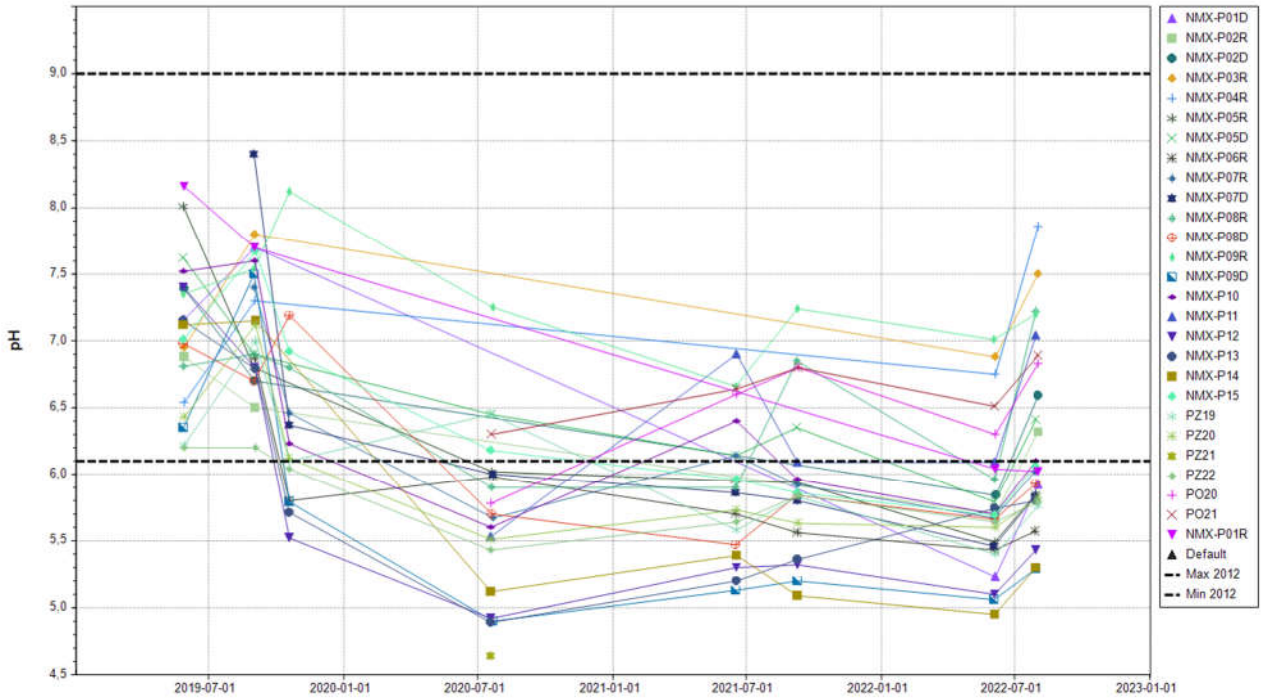


Figure 3. Piper Diagram Representing the Bedrock Unit.

3.3 General Comments on the Results

Analytical results of groundwater collected from observation wells during the two sampling campaigns conducted in 2022 are presented in Appendix 2. Salient results from the 2022 monitoring are also presented in Map 3.

Groundwater is relatively low in mineral content. Electrical conductivity of the water measured in the laboratory ranges from 10 to 220 µS/cm, with an average of 70 µS/cm. Groundwater pH measured in situ ranges from acidic (4.37) to slightly alkaline (7.85), with no clear distinction between the different hydrostratigraphic units. A slight (but generalized) decrease in groundwater pH is observed compared to the last campaigns conducted (Fig. 4), except for the campaign at the end of July 2022, which shows an increase in pH towards more neutral values. In addition, the measurement of redox potential shows a generalized increase in values for all wells, except for the last campaign, highlighting the presence of oxidizing waters (from 22.8 to 409.0 mV) in all wells and for all seasons, when some wells had negative (reducing) values in previous years (from -114.4 to 242.30 mV, Fig. 4). These trends remain to be validated in future monitoring campaigns.



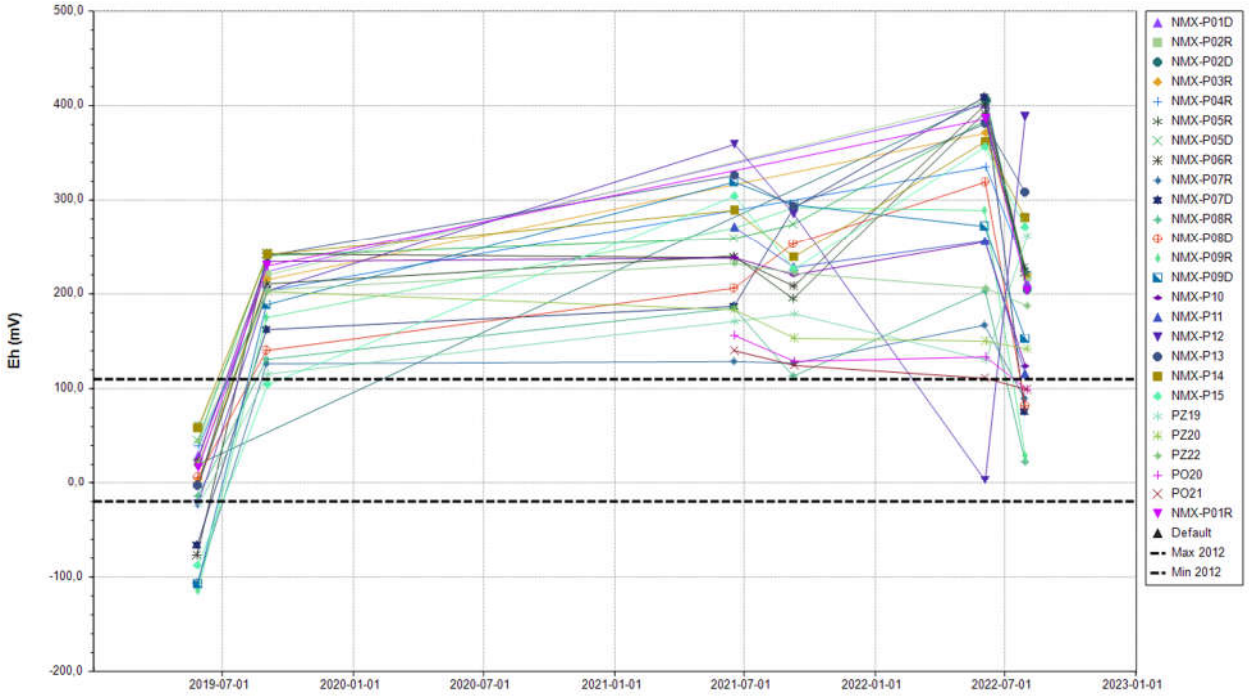


Figure 4. Time Series of pH and Eh Changes Between 2012 (min/max) and 2022 for All Wells

Excesses of drinking water criteria are observed in 19 samples for aluminum, 25 samples for arsenic, 23 samples for manganese, four samples for zinc, and one sample for lead (Appendix 2). Excesses of the surface water resurgence criteria are observed in one sample for cadmium, two samples for copper, and four samples for zinc that significantly exceed the criteria limit (Appendix 2). It has been brought to our attention that the two wells with elevated zinc levels are composed of galvanized steel pipes where the galvanization process involves zinc. When the pipes are in contact with naturally acidic water (pH between 4 and 6), the zinc will tend to dissolve in the water, which would explain the high levels. The wells are located within a peat bog and peat bogs are known to have relatively acidic pH values down to 4 or slightly less. pH measurements taken in 2021 in the vicinity of the wells concerned ranged from 4 to 6 (Nemaska Ressources, 2022). It will therefore be recommended that galvanized steel wells be replaced with PVC pipes.

The excesses observed for the other parameters are found as much in the unconsolidated deposits as in the bedrock. The presence of metals, sometimes in high concentrations, is a problem frequently observed in Quebec groundwater. Their presence is mainly caused by the dissolution/oxidation of natural sulphide minerals present in soils, overburden and rocks. In the case of the Whabouchi Mine, although the rocks associated with the mineralization are not particularly rich in sulphides, the presence of sulphides in the surrounding rocks is noted. During surface work (soil stripping), the rocks can be brought into contact with oxidized fluids (recharge water), which can also lead to the oxidation of sulphide minerals. The observation wells where

increases in sulfate concentrations are observed are located hydraulically downstream (Map 3) of areas where stripping or backfilling activities have been carried out.

Organic compounds of the C10-C50 petroleum hydrocarbon type are below the detection limits, in non-quantifiable concentrations, with the exception of wells NMX-PO5R, PO20 and PO21 which have values between 220 and 620 µg/L (Appendix 2). Since these last two wells were drilled recently, it is possible that the machinery used during the installation of the wells is the cause of these levels. Nevertheless, being located in a peat bog south of the mine, it is possible that the results obtained are not representative of the presence of petroleum hydrocarbons. Soils rich in natural organic compounds may contain hydrocarbons that are not of petroleum origin (biogenic hydrocarbons), but which interfere in the C10-C50 chromatographic region by overestimating this concentration (Beaulieu, 2021). As a result, some results may turn out to be false positives. It is therefore recommended that the laboratory performing the analysis be notified of the presence of high concentrations of organic matter so that they can apply an additional purification step to the sample (Beaulieu, 2021).

Map 3. Highlights of 2022

3.4 Trend Detection

According to the recommendations of the MELCCFP's Groundwater Quality Monitoring Technical Guide (GTSQES), the best tool to determine a change in groundwater quality, during the construction and operation phases of the mine, is through the determination of a trend rather than a fixed threshold (MELCC, 2017). Indeed, the method presented in the GTSQES is based on a non-parametric statistical method. This analytical method allows for the identification of a change in groundwater quality over time, independent of any maximum concentration criteria. This method is therefore a tool to detect potential contamination before any quality criteria are exceeded.

This method is implemented by maintaining water quality monitoring in the observation wells present at the site. The database obtained from monitoring since spring 2019 will be able to serve as a basis for trend detection over time. Therefore, we recommend continuing the sampling program on a biennial basis (spring/fall) in order to increase the database and perform the trend analysis described in the GTSQES methodology once extraction activities have begun at the site.

3.5 Piezometry

Appendix 3 presents the manually measured piezometric levels and pressure meter probe data for the period April 2019 through September 2022. During the low water period, the pressure probes installed in wells NMX-P01D and NMX-P06R were dewatered for a period of weeks to months. Figures 5 and 6 summarize the compilation of these data. The following observations can be made:

- Across the monitored observation wells, piezometry ranges from 282 to 323 m elevation.
- Other than NMX-P01 where fluctuations in bedrock are greater than in unconsolidated deposits, fluctuations are generally similar for both units.
- Groundwater flow appears to roughly follow the shape of the topography. Thus, there are multiple flow directions across the site. These are in the same direction as the slope of the surface terrain.
- Fluctuations observed for a single well range from 0.4 to 9.3 m. The largest fluctuation was observed at well NMX-P06R and this is likely to be underestimated due to dewatering of the pressuremeter probe.
- The large drawdown observed at well NMX-P06R, and to a lesser extent at other surrounding observation wells, between 2019 and 2022 appears to be anthropogenic due to the regularity of water levels during this time period as well as the rapidity of the water level drop and rise. These fluctuations are most likely due to the presence of a pumping well used for the site's drinking water needs which, when combined with winter low water and soil freeze-up (thus preventing the well from recharging with water), dries out the well until snowmelt and spring freshet.

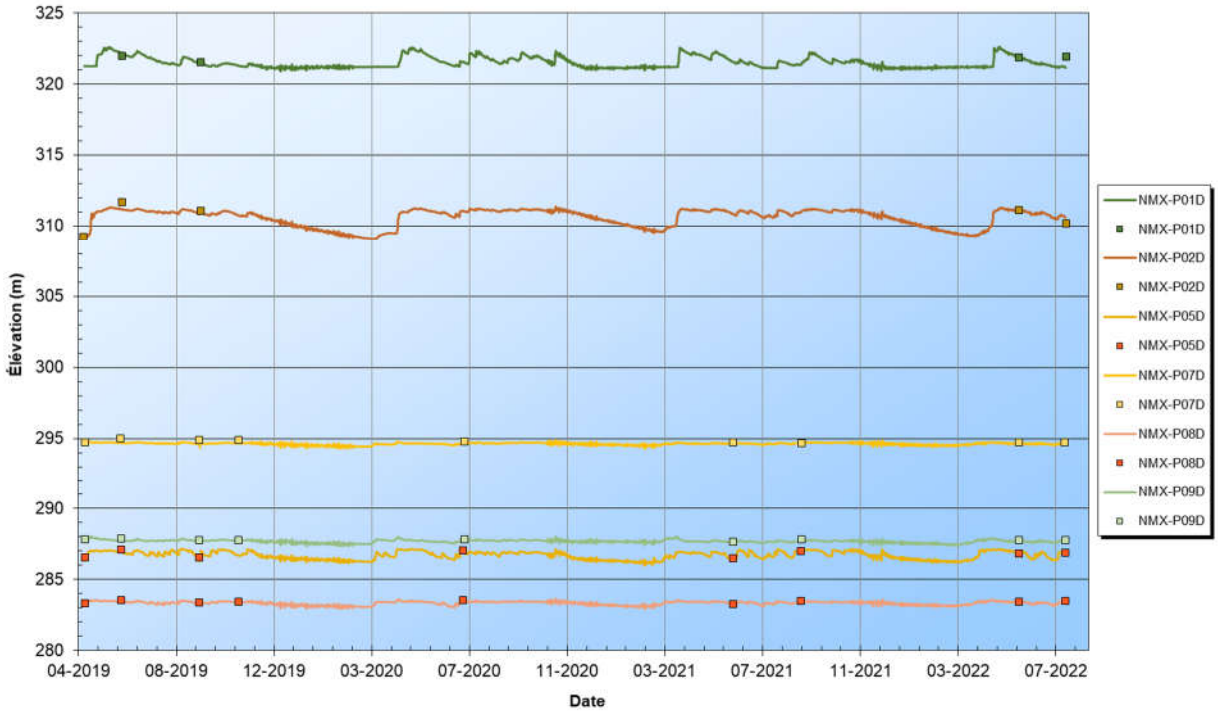


Figure 5. Monitoring of Water Table Elevation in Unconsolidated Deposits

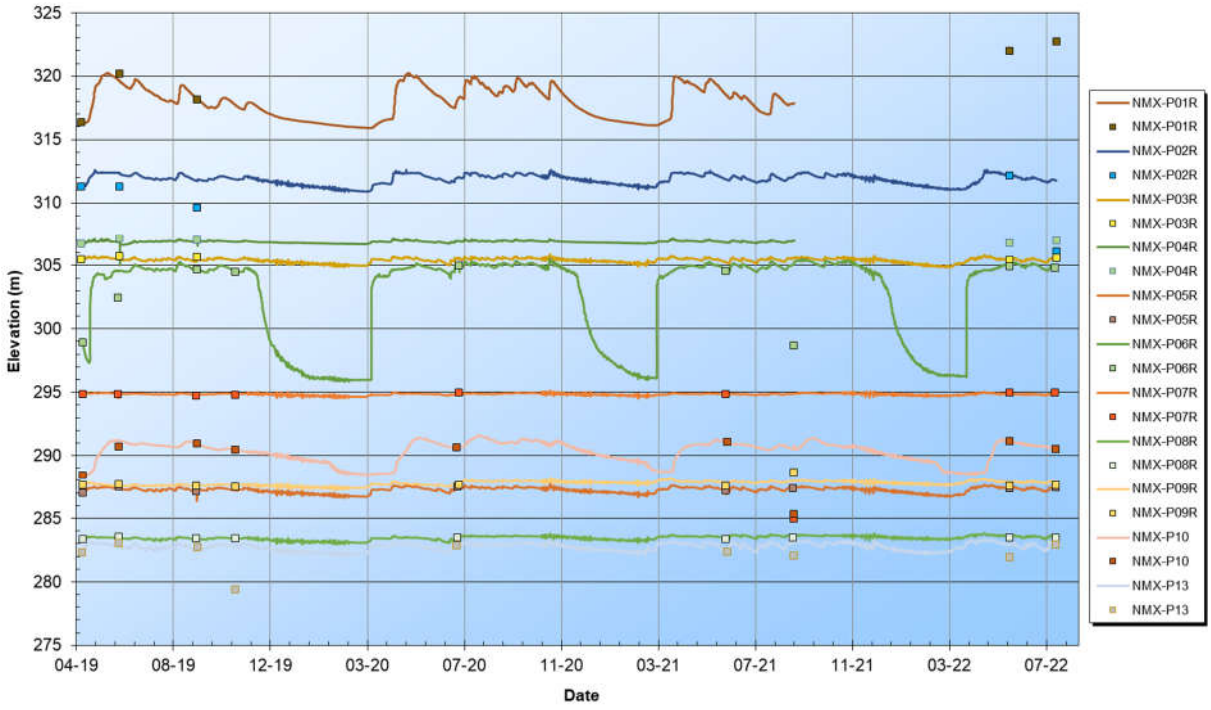


Figure 6. Monitoring of Water Table Elevation in Bedrock

4 Conclusion

The sampling work carried out under this mandate allowed for the determination of hydrogeochemical conditions around the Whabouchi mine. The conclusions are as follows:

- Three main types of water are observed on the property, calcic bicarbonate water (Ca-HCO_3) representing recharge water, magnesian calcic sulfate water (Ca, Mg-SO_4), and sodium bicarbonate water (Na-HCO_3), typically representing water that has interacted with the reservoir rocks for a longer period. The unconsolidated hydrostratigraphic unit has less seasonal variability than the bedrock unit. A slight decrease in pH is also observed in the majority of the wells except for the last campaign;
- Groundwater is poorly mineralized and is characterized primarily by excesses of water consumption criteria for aluminum, arsenic, manganese, and lead as well as excesses of resurgence criteria to surface water for cadmium, copper, and zinc in several observation wells. These metals are naturally present in groundwater associated with certain rock types and do not originate from the activities carried out on the site, with the possible exception of zinc in piezometers PO20 and PO21, the origin of which is not yet clearly explained;
- Many of the detection limits increased between 2021 and 2022, making it difficult to read trends for the relevant parameters;
- The trend monitoring method used to assess groundwater quality during the construction and operation phases of the mine will be the one recommended in the SWQG (MELCC, 2017).

It is therefore recommended that the sampling program be continued on a biennial basis (spring/fall), as mentioned in version 2 of the environmental and social monitoring program (Norda Stelo, 2019), in order to increase the database and to perform the trend analysis described in the GTSQES method once mining activities have begun and afterwards.

It is also recommended that the analytical laboratory be notified of the presence of high concentrations of organic matter so that an additional purification step can be applied to the samples for C_{10}-C_{50} hydrocarbon analysis to eliminate the possibility of obtaining false positives.

It is also recommended to keep the detection limits as low as possible but above all constant from one sampling campaign to the next based on the limits used in 2021.

It is still recommended to wait until the water is clear and free of particles before taking the electrical conductivity (EC) measurement, and to calibrate the measurement probes before each sampling campaign using standard solutions, ideally every day.

We also recommend replacing the PO20 and PO21 wells, made of galvanized steel, with PVC pipes in order to avoid any dissolution of zinc in the water and thus prevent a degradation of the natural water chemistry of the area.

Finally, it is recommended that the missing piezometers be installed in the Spodumene Lake Bog for future groundwater level monitoring (monitoring sub-objective NMX-B7). Additional information on this installation is provided in Appendix 5.

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Appendix 1

Photographic File

Photo 1. Installation of pumping equipment in observation well NMX-P10 during the June 2022 sampling campaign

Photo 2. Groundwater sampling in observation well NMX-P13 during the June 2022 sampling campaign

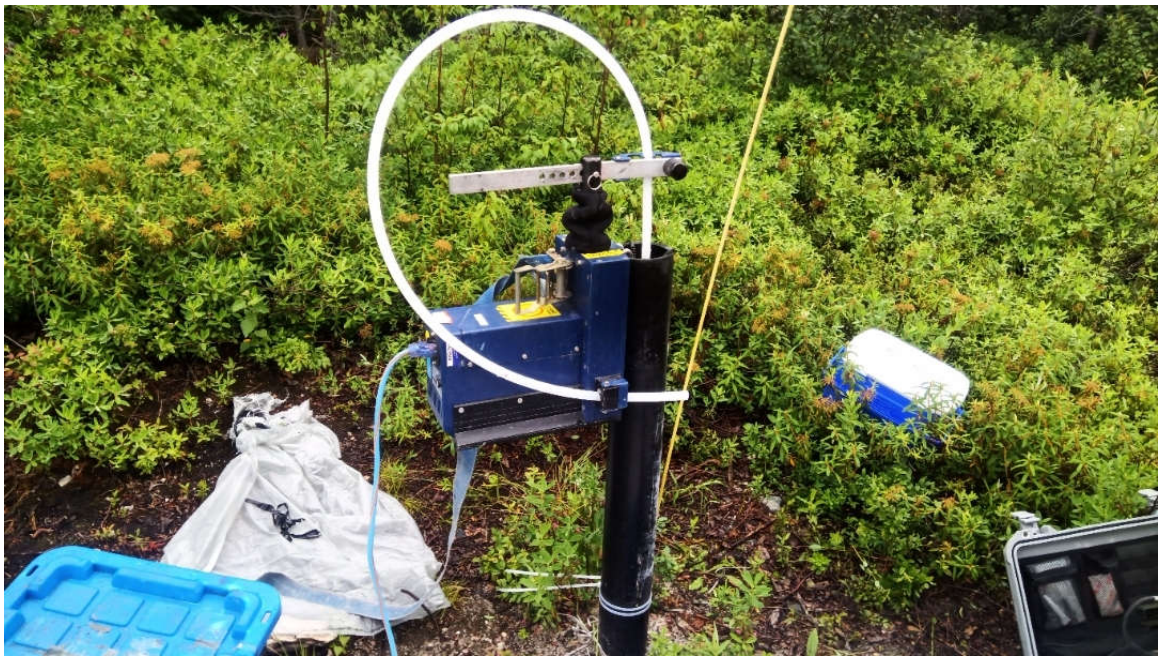

Photo 3. Installation of pumping equipment in observation well NMX-P06R during the July 2022 sampling campaign

Photo 4. Measurement of in situ parameters in piezometer PZ20 during the July 2022 sampling campaign

Appendix 2

Analysis Results

Analytical results of groundwater samples

| Analyzed substance (mg/L, or mm/cm) | Unit | Water consumption criterion[1] | Resurgence criterion[2] | MW-P01R | | | MW-P02S | | | MW-P03R | | | MW-P04R | | | MW-P05D | | | MW-P06 | | | MW-P07D | | | MW-P08R | | | MW-P09D | | | MW-P10 | | | MW-P11 | | | MW-P12 | | | MW-P13 | | | MW-P14 | | | MW-P15 | | | P216 | | | P226 | | | P232 | | | P236 | | | P241 | | | Project statistics | | | n RDL |
|---|---|---

Quality control through blanks and duplicates

Analyzed substance (mg/L, ou mention)	Unit	Water consumption criterion[7]	Resurgence criterion[7]	Duplicate														Field blank						Transport blank		Project statistic			
																										< RDL	mean	max	nb > criterion
Sampling date				2022-06-03[1]	Sample	Error	2022-06-04[2]	Sample	Error	2022-06-05[3]	Sample	Error	2022-07-29[4]	Sample	Error	2022-07-30[5]	Sample	Error	2022-07-31[6]	Sample	Error	2022-06-03	2022-06-04	2022-06-05	2022-07-29	2022-07-30	2022-07-31	2022-06-05	2022-07-31				
Chemical analysis																																	
Bicarbonates (HCO3)	mg/L	-	-	40	39	2,564102564	7,2	7,5	4	15	14	7,142857143	5,8	5,5	5,454545455	69	70	1,428571429	13	10	30	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	8	19,26	70,00	0
Conductivity	mS/cm	-	-	0,08	0,08	1,25	0,036	0,036	0	0,034	0,033	3,03030303	0,072	0,070	2,857142857	0,22	0,22	0	0,028	0,023	21,73913043	<0,0010	<0,0010	<0,0010	<0,0010	<0,0010	<0,0010	<0,0010	<0,0010	8	1,66	21,74	0
Total cyanides[2] (CNt)	mg/L	0,2	0,022	<0,0030	<0,0030		<0,0030	<0,0030		<0,0030	<0,0030		<0,0030	<0,0030		<0,0030	<0,0030		<0,0030	<0,0030		<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	<0,0030	20	< LDR	0,00	0
pH	-	-	-	6,31	6,37	0,941915228	6,07	6,09	0,328407225	6,24	6,16	1,298701299	5,74	5,70	0,701754386	7,33	7,38	0,677506775	6,07	5,92	2,533783784	6,18	5,97	5,69	5,46	5,45	5,44	6,04	5,67	0	4,91	7,38	0
Redox potential	mV	-	-	73,80	166,90	55,78190533	196,60	401,00	50,97256858	95,10	130,4	27,07055215	164,00	227,00	27,75330396	133,50	29,00	360,3448276	92,20	262,00	64,80916031	206	283	279	183,50	145,50	153,50	202	188,50	0	161,51	401,00	0
Total dissolved solids	mg/L	-	-	81,00	81,00	0	58,00	53,00	9,433962264	35,00	51,00	31,37254902	82	74	10,81081081	160	170	5,882352941	45	31	45,16129032	<12	<11	<12	<10	<10	<10	<10	<10	8	56,87	170,00	0
Anions																																	
Bromides (Br-)	mg/L	-	-	<0,10	<0,10		<0,10	<0,10		<0,10	<0,10		<0,10	<0,10		0,31	0,33	6,060606061	<0,10	<0,10		<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	18	2,23	6,06	0
Chloride (Cl-)	mg/L	250	860	0,33	0,33	0	0,9	1,0	10,20408163	0,28	0,35	20	0,93	0,91	2,197802198	23	25	8	0,19	0,21	9,523809524	<0,050	<0,050	0,1	<0,050	<0,050	<0,050	0,055	<0,050	6	55,16	25,00	0
Fluorides (F-)	mg/L	1,5	4,0	0,12	0,13	7,692307692	0,14	0,19	26,31578947	0,02	0,024	16,66666667	0,17	0,17	2,958579882	0,24	0,228	5,701754386	0,02	0,022	4,545454545	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	<0,010	8	3,54	26,32	0
Sulfates (SO4-2)	mg/L	-	-	2,1	2,1	0,975609756	5,55	5,5	1,277372263	0,9	0,9	2,352941176	17,60	16,80	4,761904762	4	4	1,098901099	0,91	0,86	5,813953488	<0,15	<0,15	<0,15	<0,15	<0,15	<0,15	<0,15	<0,15	8	4,25	17,60	0
Nutrients																																	
Nitrates (NO3-) in N	mg/L	-	300	<0,020	<0,020		0,28	0,29	3,448275862	0,022	0,023	4,347826087	1,5	1,3	15,38461538	<0,020	0,047		<0,020	<0,020		<0,020	<0,020	0,026	<0,020	<0,020	<0,020	<0,020	<0,020	12	27,22	15,38	0
Nitrites (NO2-) in N	mg/L	1	-	<0,020	<0,020		<0,020	<0,020		<0,020	<0,020		<0,020	<0,020		<0,020	<0,020		<0,020	<0,020		<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	<0,020	20	< LDR	0,00	0
Metals																																	
Aluminum (Al)	µg/L	100	-	**100**	**110**	9,090909091	**190**	**200**	5	99	99	0	**240**	**240**	0	<30	<30		**110**	**110**	0	<30	<30	<30	<30	<30	<30	<30	<30	10	100,76	240,00	4
Antimony (Sb)	µg/L	6	1100	<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	20	< LDR	0,00	0
Silver (Ag)[1]	µg/L	100	0,1	<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	20	< LDR	0,00	0
Arsenic (As)	µg/L	0,3	340	**1,2**	**1,2**	0	<0,30	<0,30		**0,68**	**0,73**	6,849315068	<0,30	<0,30		**0,82**	**0,86**	4,651162791	**0,54**	**0,50**	8	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	12	26,17	8,00	4
Barium (Ba)[1]	µg/L	1000	1910	<20	<20		<20	<20		<20	<20		<20	<20		<20	<20		<20	<20		<20	<20	<20	<20	<20	<20	<20	<20	20	< LDR	0,00	0
Beryllium (Be)	µg/L	-	-	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	20	< LDR	0,00	0
Bismuth (Bi)	µg/L	-	-	<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50	<50	<50	<50	<50	<50	<50	20	< LDR	0,00	0
Boron (B)	µg/L	5000	28000	<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50	<50	<50	<50	<50	<50	<50	20	< LDR	0,00	0
Cadmium (Cd)[1]	µg/L	5	0,75	<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	20	< LDR	0,00	0
Calcium (Ca)	µg/L	-	-	7500	7600	1,315789474	1800	1800	0	1200	1200	0	3900	3900	0	31000	31000	0	1200	1200	0	<500	<500	<500	<500	<500	<500	<500	<500	8	5183,41	31000,00	0
Chromium (Cr)	µg/L	50	-	<5,0	<5,0		<5,0	<5,0		6,3	6,2	1,612903226	<5,0	<5,0		<5,0	<5,0		6,2	5,7	8,771929825	<5,0	<5,0	<5,0	<5,0	<5,0	<5,0	<5,0	<5,0	16	12,11	8,77	0
Cobalt (Co)	µg/L	-	370	<20	<20		<20	<20		<20	<20		<20	<20		<20	<20		<20	<20		<20	<20	<20	<20	<20	<20	<20	<20	20	< LDR	0,00	0
Copper (Cu)[1]	µg/L	1000	30,5	<3,0	<3,0		8,8	8,6	2,325581395	<3,0	<3,0		8,4	8,5	1,176470588	<3,0	<3,0		<3,0	<3,0		<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	16	133,54	8,80	0
Total hardness (CaCO3)[4]	µg/L	-	-	23000	23000	0	9900	10000	1	3700	3900	5,128205128	23000	23000	0	93000	94000	1,063829787	4200	4200	0	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	8	17494,84	94000,00	0
Tin (Sn)	µg/L	-	-	<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50	<50	<50	<50	<50	<50	<50	20	< LDR	0,00	0
Iron (Fe)	µg/L	-	-	8500	8300	2,409638554	<100	<100		7700	7700	0	<100	<100		<100	110		7100	6700	5,970149254	<100	<100	<100	<100	<100	<100	<100	<100	13	4611,84	8500,00	0
Lithium (Li)	µg/L	-	-	<100	<100		<100	<100		<100	<100		<100	<100		<100	<100		<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	20	< LDR	0,00	0
Magnesium (Mg)	µg/L	-	-	980	960	2,083333333	1300	1300	0	210	200	5	3300	3300	0	3600	3800	5,263157895	290	270	7,407407407	<200	<200	<200	<200	<200	<200	<200	<200	8	1084,99	3800,00	0
Manganese (Mn)[1]	µg/L	50	6521	**160**	**160**	0	<3,0	<3,0		22	22	0	6,6	6,3	4,761904762	**84**	**87**	3,448275862	21	22	4,545454545	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	10	422,04	160,00	2
Mercury (Hg)	µg/L	1	0,0013	<0,10	<0,10		<0,10	<0,10		<0,10	<0,10		<0,10	<0,10		<0,10	<0,10		<0,10	<0,10		<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	20	< LDR	0,00	0
Molybdenum (Mo)	µg/L	40	29000	<10	<10		<10	10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	19	9683,33	10,00	0
Nickel (Ni)[1]	µg/L	70	168,5	<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	20	< LDR	0,00	0
Phosphorus (P)	µg/L	-	-	<10	<10		<10	<10		<10	<10		14	18	22,22222222	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	18	18,07	22,22	0
Lead (Pb)[1]	µg/L	5	18,60	<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	20	< LDR	0,00	0
Potassium (K)	µg/L	-	-	1200	1200	0	1200	1300	7,692307692	<200	<200		2100	2100	0	2300	2400	4,166666667	<200	<200		<200	<200	<200	<200	<200	<200	<200	<200	12	1150,99	2400,00	0
Selenium (Se)	µg/L	10	62	<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	20	< LDR	0,00	0
Silicium (Si)	µg/L	-	-	12000	12000	0	7000	7100	1,408450704	5900	5800	1,724137931	6700	6600	1,515151515	9500	9700	2,06185567	4400	4300	2,325581395	<100	110	120	<100	<100	<100	<100	<100	6	4561,95	12000,00	0
Sodium (Na)	µg/L	200000	-	1500	1500	0	1500	1500	0	640	650	1,538461538	2400	2300	4,347826087	5200	5400	3,703703704	860	810	6,172839506	<200	<200	<200	<200	<200	1100	<200	<200	7	11268,79	5400,00	0
Strontium (Sr)	µg/L	-	-	<50	<50		<50	<50		<50	<50		<50	<50		120	130	7,692307692	<50	<50		<50	<50	<50	<50	<50	<50	<50	<50	18	85,90	130,00	0
Thallium (Tl)	µg/L	-	-	<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	20	< LDR	0,00	0
Titanium (Ti)	µg/L	-	-	<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50		<50	<50	<50	<50	<50	<50	<50	<50	20	< LDR	0,00	0
Tungsten (W)	µg/L	-	-	<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	20	< LDR	0,00	0
Uranium (U)	µg/L	20	320	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		3,3	3,4	2,941176471	<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	18	69,93	3,40	0
Vanadium (V)	µg/L	-	-	<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	20	< LDR	0,00	0
Zinc (Zn)[1]	µg/L	5000	387,83	6,7	5,0	34	100	100	0	<5,0	<5,0		200	190	5,263157895	<5,0	<5,0		<5,0	<5,0		<5,0	6,9	<5,0	<5,0	<5,0	<5,0	6,9	<5,0	12	464,81	200,00	0
Dissolved metals ICP-MS																																	
Cerium (Ce)	µg/L	-	-	25	23	8,695652174	6,2	6,4	3,125	19	12	58,33333333	3,4	3,5	2,857142857	<0,30	<0,30		12	11	9,090909091	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	10	13,69	58,33	0
Cesium (Cs)	µg/L	-	-	2,7	2,5	8	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		2,9	2,9	0	<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	16	3,17	8,00	0
Dysprosium (Dy)	µg/L	-	-	<2,0	<2,0		3,3	3,3	0	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	18	2,20	3,30	0
Erbium (Er)	µg/L	-	-	<0,50	<0,50		1,7	1,7	0	<0,50	<0,50		0,95	0,94	1,063829787	<0,50	<0,50		<0,50	<0,50		<0,50	<0,50	<0,50	<0,50	<0,50	<0,50	<0,50	<0,50	16	1,06	1,70	0
Europium (Eu)	µg/L	-	-	<0,40	<0,40		<0,40	<0,40		<0,40	<0,40		<0,40	<0,40		<0,40	<0,40		<0,40	<0,40		<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	20	< LDR	0,00	0
Gadolinium (Gd)	µg/L	-	-	1,1	1,1	0	3,9	4,0	2,5	0,83	0,53	56,60377358	2,1	2,2	4,545454545	<0,50	<0,50		0,55	0,51	7,843137255	<0,50	<0,50	<0,50	<0,50	<0,50	<0,50	<0,50	<0,50	10	5,89	56,60	0
Holmium (Ho)	µg/L	-	-	<0,30	<0,30		0,58	0,59	1,694915254	<0,30	<0,30		0,32	0,33	3,030303033	<0,30	<0,30		<0,30	<0,30		<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	16	1,09	3,03	0
Lanthane (La)	µg/L	-	-	11	10	10	2,5	2,6	3,846153846	8,4	5,3	58,49056604	1,4	1,4	0	<0,30	<0,30		5,3	5,2	1,923076923	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	10	8,49	58,49	0
Lutetium (Lu)	µg/L	-	-	<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	20	< LDR	0,00	0
Neodymium (Nd)	µg/L	-	-	11	11	0	5,5	5,7	3,50877193	8,1	5,1	58,82352941	3,1	3,1	0	<2,0	<2,0		5,2	5,0	4	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	10	8,61	58,82	0
Praseodymium (Pr)	µg/L	-	-	2,9	2,7	7,407407407	1,1	1,1	0	2,2	1,4	57,14285714	0,62	0,62	0	<0,40	<0,40		1,4	1,3	7,692307692	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	<0,40	10	5,84	57,14	0
Rhenium (Re)	µg/L	-	-	-	-		-	-		-	-		-	-		-	-		-	-		-	-	-	-	-	-	-	-	0	< LDR	0,00	0
Rhodium (Rh)	µg/L	-	-	<0,20	<0,20		<0,20	<0,20		<0,20	<0,20		<0,20	<0,20		<0,20	<0,20		<0,20	<0,20		<0,20	<0,20	<0,20	<0,20	<0,20	<0,20	<0,20	<0,20	20	< LDR	0,00	0
Rubidium (Rb)	µg/L	-	-	9,4	8,9	5,617977528	6,6	6,7	1,492537313	2,1	<2,0		7,5	7,4	1,351351351	4,5	4,5	0	<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	11	5,08	9,40	0
Samarium (Sm)	µg/L	-	-	<2,0	<2,0		2,7	2,7	0	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	18	1,80	2,70	0
Scandium (Sc)	µg/L	-	-	<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	20	< LDR	0,00	0
Terbium (Tb)	µg/L	-	-	<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0		<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	<1,0	20	< LDR	0,00	0
Thorium (Th)	µg/L	-	-	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	20	< LDR	0,00	0
Thulium (Tm)	µg/L	-	-	<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30		<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	<0,30	20	< LDR	0,00	0
Ytterbium (Yb)	µg/L	-	-	<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0		<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	<3,0	20	< LDR	0,00	0
Yttrium (Y)	µg/L	-	-	3,8	3,7	2,702702703	27	27	0	3,0	<2,0		15	15	0	<2,0	<2,0		<2,0	<2,0		<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	<2,0	13	9,72	27,00	0
Hydrocarbons																																	
Petroleum hydrocarbons (C10-C50)	µg/L	-	2800	<100	<100		<100	<100		<100	<100		<100	<100		<100	<100		<100	<100		<100	<100	<100	<100	<100	<100	<100	<100	20	< LDR	0,00	0

Mean	5,945527809		4,812902601		17,68872829		4,310871529		20,19936461		11,21171197
Total mean	10,69485113										
Total median	8,578619889										
Nb >10%	2,00		3,00		9,00		4,00		1,00		4,00
Nb >10% total	23,00										

Notes

[1]NMX-P07R Sample duplicate

[2]NMX-P06R Sample duplicate

[3]NMX-PZ19 Sample duplicate

[4]NMX-P06R Sample duplicate

[5]NMX-P09R Sample duplicate

[6]PZ19 Sample duplicate

[7]Beaulieu, M. 2021. Guide d'intervention – Protection des sols et réhabilitation des terrains contaminés. Ministère de l'Environnement et de la lutte contre les changements climatiques, Québec, mai 2021, 326 p.[http://www.environnement.gouv.qc.ca/sol/terrains/guide-intervention/guide-intervention-protection-rehab.pdf]

[8]The quality criteria for these metals vary with the hardness of the surface water into which the groundwater resurfaces. The values presented were calculated from a hardness of 50 mg/L in CaCO3 equivalent. If the hardness of the receiving environment is different, refer to Appendix 8. For total fluoride, the quality criterion was established for water hardness ≤ 120 mg/L in CaCO3 equivalent. Although a higher hardness may reduce the toxicity of these, it is recommended that this criterion be applied also to waters with a hardness of more than 120 mg/L. For uranium, the quality criterion has been established for water with hardness ranging from 20 to 100 mg/L in CaCO3 equivalent. Although a higher hardness may reduce its toxicity, it is recommended that this criterion also be applied to waters with a hardness of over 100 mg/L.

[9]The hardness used for the criteria calculations is an average of the surface water hardness that was taken on this same project. The spreadsheet proposed by the department allows for a maximum hardness of 400 mg/L. The exceedances of the criteria that change with the surface hardness in this table may therefore be fictitious since the actual hardness is higher, i.e. 6900 mg/L. Average surface water hardness on the network: J:\Nemaska_Ressources\22_0186_Suivis_envir_Nemaska_Lithium_2022\3_Donnees\Terrain\Surface_water_NMX_P3\Compilation. Calculation file proposed by the Ministry: C:\Users\ArielJacquesDesktop\Criteria_to_respect_2022

(1)The detection limit has been increased due to the instrumentation.

Appendix 3

Piezometric Monitoring Data

Parameters	Date	X (UTM 18)	Y (UTM 18)	Z tubing (m)	Well Depth (m)	Edge (m)	Probe Measure	Water Elevation (m)
NMX-P01R	2019-04-11	442497,1	5727825,5	323,5	-	0,78	7,18	316,3
NMX-P01R	2019-05-29	442497,1	5727825,5	323,5	12 ,88	0,79	3,347	320,2
NMX-P01R	2019-09-02	442497,1	5727825,5	323,5	12 ,88	0,79	5,37	318,2
NMX-P01R	2022-06-03	442497,1	5727825,5	323,5	12 ,88	0,79	1,58	321,9
NMX-P01R	2022-07-31	442497,1	5727825,5	323,5	12 ,88	0,79	0,84	322,7
NMX-P01D	2019-04-11	442495,5	5727826,2	323,7	-	0,85	Puits sec	
NMX-P01D	2019-05-29	442495,5	5727826,2	323,7	1,83	0,84	1,75	321,9
NMX-P01D	2019-09-02	442495,5	5727826,2	323,7	1,83	0,84	2,15	321,5
NMX-P01D	2022-06-03	442495,5	5727826,2	323,7	1,83	0,84	1,84	321,8
NMX-P01D	2022-07-31	442495,5	5727826,2	323,7	1,83	0,84	1,77	321,9
NMX-P02R	2019-04-11	441958,1	5727993,6	312,4	-	0,88	1,18	311,2
NMX-P02R	2019-05-29	441958,1	5727993,6	312,4	13,56	0,835	1,18	311,2
NMX-P02R	2019-09-02	441958,1	5727993,6	312,4	13,56	0,835	2,8	309,6
NMX-P02R	2022-06-03	441958,1	5727993,6	312,4	13,56	0,835	0,3	312,1
NMX-P02R	2022-07-31	441958,1	5727993,6	312,4	13,56	0,835	6,36	306,1
NMX-P02D	2019-04-11	441958,7	5727995,4	312,5	-	0,87	3,28	309,2
NMX-P02D	2019-05-29	441958,7	5727995,4	312,5	2,95	0,835	0,844	311,6
NMX-P02D	2019-09-02	441958,7	5727995,4	312,5	2,95	0,835	1,43	311,0
NMX-P02D	2022-06-03	441958,7	5727995,4	312,5	2,95	0,835	1,36	311,1
NMX-P02D	2022-07-31	441958,7	5727995,4	312,5	2,95	0,835	2,32	310,2
NMX-P03R	2019-04-11	441775,8	5727786,3	307,7	-	0,88	2,24	305,4
NMX-P03R	2019-05-29	441775,8	5727786,3	307,7	11,25	0,83	1,948	305,7
NMX-P03R	2019-09-02	441775,8	5727786,3	307,7	11,25	0,83	2,05	305,6
NMX-P03R	2022-06-03	441775,8	5727786,3	307,7	11,25	0,83	2,29	305,4
NMX-P03R	2022-07-31	441775,8	5727786,3	307,7	11,25	0,83	2,07	305,6
NMX-P04R	2019-04-11	442480,3	5727588,1	308,0	-	0,89	1,27	306,7
NMX-P04R	2019-05-29	442480,3	5727588,1	308,0	12,32	0,875	0,835	307,1
NMX-P04R	2019-09-02	442480,3	5727588,1	308,0	12,32	0,875	0,92	307,0
NMX-P04R	2022-06-03	442480,3	5727588,1	308,0	12,32	0,875	1,22	306,7
NMX-P04R	2022-07-31	442480,3	5727588,1	308,0	12,32	0,875	1,04	306,9
NMX-P05R	2019-04-13	440882,8	5727199,4	288,0	-	0,79	1,07	287,0
NMX-P05R	2019-05-28	440882,8	5727199,4	288,0	12,16	0,755	0,55	287,5
NMX-P05R	2019-09-01	440882,8	5727199,4	288,0	12,16	0,755	0,93	287,1
NMX-P05R	2020-07-20	440882,8	5727199,4	288,0	12,16	0,755	0,56	287,5
NMX-P05R	2021-06-17	440882,8	5727199,4	288,0	12,16	0,755	0,86	287,2
NMX-P05R	2021-09-08	440882,8	5727199,4	288,0	12,16	0,755	0,7	287,3
NMX-P05R	2022-06-03	440882,8	5727199,4	288,0	12,16	0,755	0,7	287,3
NMX-P05R	2022-07-30	440882,8	5727199,4	288,0	12,16	0,755	0,62	287,4
NMX-P05D	2019-04-13	440883,1	5727200,8	288,0	-	0,83	1,49	286,5
NMX-P05D	2019-05-28	440883,1	5727200,8	288,0	1,68	0,792	0,935	287,1
NMX-P05D	2019-09-01	440883,1	5727200,8	288,0	1,68	0,792	1,47	286,5
NMX-P05D	2020-07-20	440883,1	5727200,8	288,0	1,68	0,792	0,98	287,0
NMX-P05D	2021-06-17	440883,1	5727200,8	288,0	1,68	0,792	1,56	286,4
NMX-P05D	2021-09-08	440883,1	5727200,8	288,0	1,68	0,792	1,05	287,0
NMX-P05D	2022-06-03	440883,1	5727200,8	288,0	1,68	0,792	1,21	286,8
NMX-P05D	2022-07-30	440883,1	5727200,8	288,0	1,68	0,792	1,14	286,9
NMX-P06R	2019-04-13	442160,6	5727049,7	307,6	-	0,84	8,71	298,9
NMX-P06R	2019-05-27	442160,6	5727049,7	307,6	11,07	0,86	5,19	302,4
NMX-P06R	2019-09-02	442160,6	5727049,7	307,6	11,07	0,87	2,98	304,6
NMX-P06R	2019-10-19	442160,6	5727049,7	307,6	11,07	0,87	3,13	304,5
NMX-P06R	2020-07-22	442160,6	5727049,7	307,6	11,07	0,87	2,62	305,0
NMX-P06R	2021-06-17	442160,6	5727049,7	307,6	11,07	0,87	3,11	304,5
NMX-P06R	2021-09-09	442160,6	5727049,7	307,6	11,07	0,87	8,96	298,7
NMX-P06R	2022-06-03	442160,6	5727049,7	307,6	11,07	0,87	2,73	304,9
NMX-P06R	2022-07-29	442160,6	5727049,7	307,6	11,07	0,87	2,81	304,8
NMX-P07R	2019-04-13	441515,5	5726980,8	295,8	-	0,82	0,91	294,8
NMX-P07R	2019-05-27	441515,5	5726980,8	295,8	13,51	0,74	0,943	294,8
NMX-P07R	2019-09-01	441515,5	5726980,8	295,8	13,51	0,74	1,02	294,7
NMX-P07R	2019-10-19	441515,5	5726980,8	295,8	13,51	0,74	1	294,8
NMX-P07R	2020-07-22	441515,5	5726980,8	295,8	13,51	0,76	0,83	294,9
NMX-P07R	2021-06-17	441515,5	5726980,8	295,8	13,51	0,76	0,9	294,9
NMX-P07R	2021-09-09	441515,5	5726980,8	295,8	13,51	0,76	10,8	285,0
NMX-P07R	2022-06-03	441515,5	5726980,8	295,8	13,51	0,76	0,82	294,9
NMX-P07R	2022-07-29	441515,5	5726980,8	295,8	13,51	0,76	0,82	294,9
NMX-P07D	2019-04-13	441516,3	5726982,8	295,7	-	0,79	1,01	294,7
NMX-P07D	2019-05-27	441516,3	5726982,8	295,7	4,57	0,76	0,724	295,0
NMX-P07D	2019-09-01	441516,3	5726982,8	295,7	4,57	0,76	0,86	294,8
NMX-P07D	2019-10-19	441516,3	5726982,8	295,7	4,57	0,76	0,83	294,9
NMX-P07D	2020-07-22	441516,3	5726982,8	295,7	4,57	0,74	0,98	294,7
NMX-P07D	2021-06-17	441516,3	5726982,8	295,7	4,57	0,74	1	294,7
NMX-P07D	2021-09-09	441516,3	5726982,8	295,7	4,57	0,74	1,05	294,7
NMX-P07D	2022-06-03	441516,3	5726982,8	295,7	4,57	0,74	1	294,7
NMX-P07D	2022-07-29	441516,3	5726982,8	295,7	4,57	0,74	1	294,7
NMX-P08R	2019-04-13	440531,8	5726973,0	284,7	-	0,83	1,35	283,3
NMX-P08R	2019-05-28	440531,8	5726973,0	284,7	16,69	0,855	1,174	283,5

Parameters	Date	X (UTM 18)	Y (UTM 18)	Z tubing (m)	Well Depth (m)	Edge (m)	Probe Measure	Water Elevation (m)
NMX-P08R	2019-09-01	440531,8	5726973,0	284,7	16,69	0,855	1,3	283,4
NMX-P08R	2019-10-19	440531,8	5726973,0	284,7	16,69	0,855	1,28	283,4
NMX-P08R	2020-07-20	440531,8	5726973,0	284,7	17,48	0,855	1,21	283,5
NMX-P08R	2021-06-17	440531,8	5726973,0	284,7	17,48	0,855	1,33	283,3
NMX-P08R	2021-09-08	440531,8	5726973,0	284,7	17,48	0,855	1,22	283,5
NMX-P08R	2022-06-03	440531,8	5726973,0	284,7	17,48	0,855	1,23	283,4
NMX-P08R	2022-07-30	440531,8	5726973,0	284,7	17,48	0,855	1,23	283,4
NMX-P08D	2019-04-13	440533,8	5726973,5	284,7	-	0,81	1,36	283,3
NMX-P08D	2019-05-28	440533,8	5726973,5	284,7	5,79	0,825	1,158	283,5
NMX-P08D	2019-09-01	440533,8	5726973,5	284,7	5,79	0,825	1,32	283,4
NMX-P08D	2019-10-19	440533,8	5726973,5	284,7	5,79	0,825	1,26	283,4
NMX-P08D	2020-07-20	440533,8	5726973,5	284,7	6,53	0,825	1,18	283,5
NMX-P08D	2021-06-17	440533,8	5726973,5	284,7	6,53	0,825	1,41	283,3
NMX-P08D	2021-09-08	440533,8	5726973,5	284,7	6,53	0,825	1,21	283,5
NMX-P08D	2022-06-03	440533,8	5726973,5	284,7	6,53	0,825	1,24	283,4
NMX-P08D	2022-07-30	440533,8	5726973,5	284,7	6,53	0,825	1,22	283,5
NMX-P09R	2019-04-13	441047,7	5726672,7	288,9	-	0,86	1,31	287,6
NMX-P09R	2019-05-28	441047,7	5726672,7	288,9	14,38	0,885	1,258	287,7
NMX-P09R	2019-09-01	441047,7	5726672,7	288,9	14,38	0,885	1,37	287,5
NMX-P09R	2019-10-19	441047,7	5726672,7	288,9	14,38	0,885	1,42	287,5
NMX-P09R	2020-07-22	441047,7	5726672,7	288,9	15,1	0,885	1,3	287,6
NMX-P09R	2021-06-17	441047,7	5726672,7	288,9	15,1	0,885	1,39	287,5
NMX-P09R	2021-09-09	441047,7	5726672,7	288,9	15,1	0,885	0,27	288,6
NMX-P09R	2022-06-03	441047,7	5726672,7	288,9	15,1	0,885	1,37	287,5
NMX-P09R	2022-07-30	441047,7	5726672,7	288,9	15,1	0,885	1,32	287,6
NMX-P09D	2019-04-13	441049,4	5726674,3	288,9	-	0,73	1,14	287,8
NMX-P09D	2019-05-28	441049,4	5726674,3	288,9	4,27	0,715	1,1	287,8
NMX-P09D	2019-09-01	441049,4	5726674,3	288,9	4,27	0,715	1,19	287,7
NMX-P09D	2019-10-19	441049,4	5726674,3	288,9	4,27	0,715	1,17	287,8
NMX-P09D	2020-07-22	441049,4	5726674,3	288,9	5,12	0,715	1,13	287,8
NMX-P09D	2021-06-17	441049,4	5726674,3	288,9	5,12	0,715	1,28	287,7
NMX-P09D	2021-09-09	441049,4	5726674,3	288,9	5,12	0,715	1,12	287,8
NMX-P09D	2022-06-03	441049,4	5726674,3	288,9	5,12	0,715	1,2	287,7
NMX-P09D	2022-07-30	441049,4	5726674,3	288,9	5,12	0,715	1,17	287,8
NMX-P10	2019-04-13	442487,4	5726650,9	296,7	-	0,85	8,3	288,4
NMX-P10	2019-05-28	442487,4	5726650,9	296,7	12,8	0,825	6,046	290,7
NMX-P10	2019-09-02	442487,4	5726650,9	296,7	12,8	0,825	5,77	290,9
NMX-P10	2019-10-19	442487,4	5726650,9	296,7	12,8	0,825	6,24	290,5
NMX-P10	2020-07-19	442487,4	5726650,9	296,7	11,48	0,825	6,06	290,6
NMX-P10	2021-06-18	442487,4	5726650,9	296,7	11,48	0,825	5,63	291,1
NMX-P10	2021-09-09	442487,4	5726650,9	296,7	11,48	0,825	11,43	285,3
NMX-P10	2022-06-03	442487,4	5726650,9	296,7	11,48	0,825	5,6	291,1
NMX-P10	2022-07-30	442487,4	5726650,9	296,7	11,48	0,825	6,2	290,5
NMX-P11	2019-04-12	442363,037	5726528,9	292,5	-	0,8	0,21	292,3
NMX-P11	2020-07-19	442363,037	5726528,9	292,5	6,68	0,825	4	288,5
NMX-P11	2021-06-18	442363,037	5726528,9	292,5	6,68	0,825	4,34	288,2
NMX-P11	2021-09-09	442363,037	5726528,9	292,5	6,68	0,825	3,83	288,7
NMX-P11	2022-06-03	442363,037	5726528,9	292,5	6,68	0,825	4,1	288,4
NMX-P11	2022-07-30	442363,037	5726528,9	292,5	6,68	0,825	4,1	288,4
NMX-P12	2019-04-12	442218,6	5726232,0	283,262	-	0,78	0,78	282,5
NMX-P12	2019-05-28	442218,6	5726232,0	283,262	4,88	1,07	1,35	281,9
NMX-P12	2019-09-02	442218,6	5726232,0	283,262	4,88	1,07	1,4	281,9
NMX-P12	2019-10-19	442218,6	5726232,0	283,262	4,88	1,07	1,61	281,7
NMX-P12	2020-07-19	442218,6	5726232,0	283,262	5,4	1,07	1,4	281,9
NMX-P12	2021-06-18	442218,6	5726232,0	283,3	5,4	1,07	1,56	281,7
NMX-P12	2021-09-09	442218,6	5726232,0	283,3	5,4	1,07	1,32	281,9
NMX-P12	2022-06-03	442218,6	5726232,0	283,3	5,4	1,07	1,4	281,9
NMX-P12	2022-07-30	442218,6	5726232,0	283,3	5,4	1,07	1,4	281,9
NMX-P13	2019-04-12	440322,4	5725982,4	284,1	-	0,84	1,83	282,3
NMX-P13	2019-05-28	440322,4	5725982,4	284,1	4,42	0,935	1,107	283,0
NMX-P13	2019-09-03	440322,4	5725982,4	284,1	4,42	0,935	1,4	282,7
NMX-P13	2019-10-19	440322,4	5725982,4	284,1	4,42	0,935	4,72	279,4
NMX-P13	2020-07-19	440322,4	5725982,4	284,1	5,19	0,935	1,29	282,8
NMX-P13	2021-06-18	440322,4	5725982,4	284,1	5,19	0,935	1,76	282,4
NMX-P13	2021-09-09	440322,4	5725982,4	284,1	5,19	0,935	2,1	282,0
NMX-P13	2022-06-03	440322,4	5725982,4	284,1	5,19	0,935	2,2	281,9
NMX-P13	2022-07-30	440322,4	5725982,4	284,1	5,19	0,935	1,22	282,9
NMX-P14	2019-04-13	440405,7	5725918,6	291,5	-	0,81	1,94	289,6
NMX-P14	2019-05-28	440405,7	5725918,6	291,5	4,6	0,835	1,345	290,2
NMX-P14	2019-09-03	440405,7	5725918,6	291,5	4,6	0,835	4,26	287,3
NMX-P14	2020-07-19	440405,716	5725918,629	291,5	5,19	0,835	1,33	290,2
NMX-P14	2021-06-18	440405,7	5725918,6	291,5	5,19	0,835	4,8	286,7
NMX-P14	2021-09-09	440405,7	5725918,6	291,5	5,19	0,835	1,84	289,7
NMX-P14	2022-06-03	440405,7	5725918,6	291,5	5,19	0,835	1,29	290,3
NMX-P14	2022-07-30	440405,7	5725918,6	291,5	5,19	0,835	1,27	290,3

Parameters	Date	X (UTM 18)	Y (UTM 18)	Z tubing (m)	Well Depth (m)	Edge (m)	Probe Measure	Water Elevation (m)
NMX-P15	2019-04-12	440322,1	5725880,5	288,71	-	0,89	1,28	287,4
NMX-P15	2019-05-28	440322,1	5725880,5	288,71	3,66	0,855	1,12	287,6
NMX-P15	2019-09-03	440322,1	5725880,5	288,71	3,66	0,855	2,23	286,5
NMX-P15	2019-10-19	440322,1	5725880,5	288,71	3,66	0,855	2,79	285,9
NMX-P15	2020-07-19	440322,1	5725880,5	288,71	4,61	0,855	1,22	287,5
NMX-P15	2021-06-18	440322,1	5725880,5	288,71	4,61	0,855	1,26	287,5
NMX-P15	2021-09-09	440322,1	5725880,5	288,71	4,61	0,855	1,33	287,4
NMX-P15	2022-06-03	440322,1	5725880,5	288,71	4,61	0,855	1,23	287,5
NMX-P15	2022-07-30	440322,1	5725880,5	288,71	4,61	0,855	1,24	287,5
PZ19	2021-06-18	441000,5	5725525,4	286,274	6,2	-	1,98	284,3
PZ19	2021-09-10	441000,5	5725525,4	286,274	6,2	-	1,72	284,6
PZ19	2022-06-03	441000,5	5725525,4	286,274	6,2	-	1,92	284,4
PZ19	2022-07-31	441000,5	5725525,4	286,274	6,2	-	1,85	284,4
PZ20	2021-06-18	441353,6	5725684,6	284,925	7,3	-	4,17	280,8
PZ20	2021-09-10	441353,6	5725684,6	284,925	7,3	-	4,15	280,8
PZ20	2022-06-03	441353,6	5725684,6	284,925	7,3	-	4,12	280,8
PZ20	2022-07-31	441353,6	5725684,6	284,925	7,3	-	4,22	280,7
PO20	2021-06-18	441314,0	5725739,0	285,345	1,83	-	0,88	284,5
PO20	2021-09-10	441314,0	5725739,0	285,345	1,83	-	0,75	284,6
PO20	2022-06-03	441314,0	5725739,0	285,345	1,83	-	0,89	284,5
PO20	2022-07-31	441314,0	5725739,0	285,345	1,83	-	1,1	284,2
PO21	2021-06-18	441821,0	5726080,0	283,539	1,5	-	-	
PO21	2021-09-10	441821,0	5726080,0	283,539	1,5	-	-	
PO21	2022-06-03	441821,0	5726080,0	283,539	1,5	-	-	
PO21	2022-07-31	441821,0	5726080,0	283,539	1,5	-	-	
PZ21	2021-06-18	441032,0	5725613,1	286,51	3,5	-	2,65	283,9
PZ22	2021-06-18	441009,2	5725647,4	286,591	4,6	-	2,85	283,7
PZ22	2021-09-10	441009,2	5725647,4	286,591	4,6	-	2,55	284,0
PZ22	2022-06-03	441009,2	5725647,4	286,591	4,6	-	2,84	283,8
PZ22	2022-07-31	441009,2	5725647,4	286,591	4,6	-	2,87	283,7

NOTES :

P07D et P07R : alidate GPS coordinates and other data (except well depth). I have the impression that they have been inverted since the beginning if we go to the excel file Liste_puits_2021 with the well depth data of 2021 and 2022

Probe measurement = Water height (start) on the field forms

Well depth and Z : Data taken from the Excel file Liste_Puits_2021 here on the network:
J:\Nemaska_Ressources\22_0186_Suivis_envir_Nemaska_Lithium_2022\3_Donnees\Terrain\Eau_souterraine_NMX_P8\Compilations

Water elevation (m) = Z tubing - Probe measurement

Edge: Don't know where this data comes from

PO-21 : Cap not unscrewable, hence the lack of probe measurement data

Appendix 4

Certificates of Analysis from the Bureau Veritas Laboratory

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: PO-souterraine
Your C.O.C. #: 66402

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/07/06
Report #: R2769114
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226313
Received: 2022/06/06, 15:30

Sample Matrix: Ground Water
Samples Received: 33

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Alkalinity (pH end point 4.5)	33	N/A	2022/06/06	STL SOP-00038	SM 23 2320-B m
Anions in water	6	N/A	2022/06/06	STL SOP-00014	MA.300–Ions 1.3 R3 m
Anions in water	20	N/A	2022/06/07	STL SOP-00014	MA.300–Ions 1.3 R3 m
Anions in water	6	N/A	2022/06/08	STL SOP-00014	MA.300–Ions 1.3 R3 m
Anions in water	1	N/A	2022/06/09	STL SOP-00014	MA.300–Ions 1.3 R3 m
Pet. Hydrocarbons (C10-C50) in waters	17	2022/06/10	2022/06/11	STL SOP-00173	MA.400–HYD. 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	16	2022/06/10	2022/06/13	STL SOP-00173	MA.400–HYD. 1.1 R3 m
Total Cyanide	33	2022/06/08	2022/06/08	STL SOP-00035	MA300-CN 1.2 R4 m
Conductivity	33	N/A	2022/06/06	STL SOP-00038	SM 23 2510-B m
Fluoride (Low Level) (3)	32	N/A	2022/07/01	STL SOP-00038	SM 4500-F C m
Fluoride (Low Level) (3)	1	N/A	2022/07/02	STL SOP-00038	SM 4500-F C m
Dissolved Elements by ICP-MS	33	N/A	2022/06/29	STL SOP-00071	MA 200-Met 1.2 R7 m
Dissolved Metals (filtered on site)	1	N/A	2022/06/10	STL SOP-00062	MA.200–Mét. 1.2 R7 m
Dissolved Metals (filtered on site)	32	N/A	2022/06/11	STL SOP-00062	MA.200–Mét. 1.2 R7 m
Nitrates(NO3-), Nitrites(NO2-)-water	16	N/A	2022/06/06	STL SOP-00014	MA.300–Ions 1.3 R3 m
Nitrates(NO3-), Nitrites(NO2-)-water	16	N/A	2022/06/07	STL SOP-00014	MA.300–Ions 1.3 R3 m
Nitrates(NO3-), Nitrites(NO2-)-water	1	N/A	2022/06/09	STL SOP-00014	MA.300–Ions 1.3 R3 m
pH in water	33	N/A	2022/06/06	STL SOP-00038	MA.100–pH 1.1 R3 m
Redox Potential (1)	33	N/A	N/A		
Anions (Sulfate) (2)	33	N/A	N/A		
Total Dissolved Solids	18	2022/06/10	2022/06/13	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Dissolved Solids	5	2022/06/10	2022/06/14	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Dissolved Solids	10	2022/06/11	2022/06/13	STL SOP-00050	MA.115–S.D. 1.0 R4 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are

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Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: PO-souterraine
Your C.O.C. #: 66402

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/07/06
Report #: R2769114
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C226313
Received: 2022/06/06, 15:30

reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
Note: RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Eurofins Environment Testing Canada, 146 Colonnade Road, No.8 , Ottawa, ON, K2E 7Y1
(2) This test was performed by CEAEQ-Laval,
(3) Please note that the low level fluoride analysis is sensitive to the presence of polyvalent cations. This may represent a low bias in the result.

Note: All parameters included in the present certificate are accredited by the MELCC unless stated otherwise.

Encryption Key <Signature removed>
Madison Tremblay
Project Manager
11 Jul 2022 10:15:33

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Madison Tremblay, Project Manager
Email: madison.tremblay@bureauveritas.com
Phone# (418)658-5784 Ext:7066426
==========
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.
For Service Group specific validation please refer to the Validation Signature Page.

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

HYDROCARBONS BY GCFID (GROUND WATER)

Bureau Veritas ID		KM2593	KM2594	KM2595	KM2596	KM2597	KM2598	KM2599		
Sampling Date		2022/06/05 11:10	2022/06/05 11:00	2022/06/05 09:15	2022/06/05 09:00	2022/06/05 10:35	2022/06/05 08:10	2022/06/04 09:00		
COC Number		66402	66402	66402	66402	66402	66402	66402		
	Units	NMX- P01R	NMX-P01D	NMX-P02R	NMX P02D	NMX-P03R	NMX-P04R	NMX-P05R	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	<100	100	2301103
Surrogate Recovery (%)										
1-Chlorooctadecane	%	67	63	61	69	66	66	65	N/A	2301103

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM2600	KM2601	KM2602	KM2603	KM2604	KM2605	KM2606		
Sampling Date		2022/06/04 08:15	2022/06/04 12:05	2022/06/03 14:45	2022/06/03 15:45	2022/06/04 11:00	2022/06/04 09:40	2022/06/04 17:20		
COC Number		66402	66402	66402	66402	66402	66402	66402		
	Units	NMX-P05D	NMX-P06R	NMX-P07D	NMX-P07R	NMX -P08R	NMX-P08D	NMX-P09R	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	<100	100	2301103
Surrogate Recovery (%)										
1-Chlorooctadecane	%	60	66	66	64	63	79	65	N/A	2301103

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

HYDROCARBONS BY GCFID (GROUND WATER)

Bureau Veritas ID		KM2607	KM2608	KM2609		KM2610	KM2611	KM2612		
Sampling Date		2022/06/03 16:25	2022/06/04 14:45	2022/06/04 13:25		2022/06/04 12:55	2022/06/04 15:10	2022/06/04 16:00		
COC Number		66402	66402	66402		66402	66402	66402		
	Units	**NMX-P09D**	**NMX-P10**	**NMX-P11**	**QC Batch**	**NMX-P12**	**NMX-P13**	**NMX-P14**	**RDL**	**QC Batch**
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	2301103	<100	<100	<100	100	2301107
Surrogate Recovery (%)										
1-Chlorooctadecane	%	70	70	58	2301103	63	60	66	N/A	2301107

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM2613	KM2614	KM2615	KM2616	KM2617	KM2618		
Sampling Date		2022/06/04 16:30	2022/06/05 13:15	2022/06/05 14:25	2022/06/05 13:45	2022/06/05 14:50	2022/06/04 17:30		
COC Number		66402	66402	66402	66402	66402	66402		
	Units	**NMX-P15**	**Pz19**	**Pz20**	**Pz22**	**PO20**	**PO21**	**RDL**	**QC Batch**
PETROLEUM HYDROCARBONS									
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	300	350	100	2301107
Surrogate Recovery (%)									
1-Chlorooctadecane	%	77	74	67	66	72	66	N/A	2301107

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

HYDROCARBONS BY GCFID (GROUND WATER)

Bureau Veritas ID		KM2619	KM2620	KM2621	KM2622		
Sampling Date		2022/06/05 15:10	2022/06/04 12:10	2022/06/05 15:00	2022/06/03		
COC Number		66402	66402	66402	66402		
	Units	BLANC DE TERRAIN1 LOT 22MA24-A	BLANC DE TERRAIN2 LOT 22MA24-A	BLANC DE TERRAIN3 LOT 22MA24-A	DUPLICATA 1	RDL	QC Batch
PETROLEUM HYDROCARBONS							
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	100	2301107
Surrogate Recovery (%)							
1-Chlorooctadecane	%	64	71	61	57	N/A	2301107

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KM2623	KM2624	KM2625		
Sampling Date		2022/06/04	2022/06/05	2022/06/05		
COC Number		66402	66402	66402		
	Units	DUPLICATA 2	DUPLICATA 3	BLANC DE TRANSPORT 1 LOT 22MA24-A	RDL	QC Batch
PETROLEUM HYDROCARBONS						
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	100	2301107
Surrogate Recovery (%)						
1-Chlorooctadecane	%	63	68	71	N/A	2301107

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2593	KM2593	KM2594	KM2595	KM2596		KM2597		
Sampling Date		2022/06/05 11:10	2022/06/05 11:10	2022/06/05 11:00	2022/06/05 09:15	2022/06/05 09:00		2022/06/05 10:35		
COC Number		66402	66402	66402	66402	66402		66402		
	Units	NMX- P01R	NMX-P01R Lab-Dup	NMX-P01D	NMX-P02R	NMX P02D	QC Batch	NMX-P03R	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	39	42	170	<30	540	2299869	<30	30	2299869
Antimony (Sb)	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	2299869	<3.0	3.0	2299869
Silver (Ag) †	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	2299869	<0.30	0.30	2299869
Arsenic (As)	ug/L	<0.30	<0.30	<0.30	<0.30	0.49	2299869	0.39	0.30	2299869
Barium (Ba)	ug/L	<20	<20	<20	<20	<20	2299869	<20	20	2299869
Beryllium (Be) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2299869	<2.0	2.0	2299869
Bismuth (Bi) †	ug/L	<50	<50	<50	<50	<50	2299869	<50	50	2299869
Boron (B)	ug/L	<50	<50	<50	<50	<50	2299869	<50	50	2299869
Cadmium (Cd)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2299869	<1.0	1.0	2299869
Calcium (Ca)	ug/L	5600	5600	590	4400	1500	2299869	13000	500	2299869
Chromium (Cr)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	2299869	<5.0	5.0	2299869
Cobalt (Co)	ug/L	<20	<20	<20	<20	<20	2299869	<20	20	2299869
Copper (Cu)	ug/L	3.9	3.9	<3.0	3.0	46	2299869	<3.0	3.0	2299869
Total Hardness (CaCO3) †	ug/L	17000	17000	2100	13000	5000	2299869	39000	1000	2299869
Tin (Sn) †	ug/L	<50	<50	<50	<50	<50	2299869	<50	50	2299869
Iron (Fe)	ug/L	<100	<100	<100	<100	2300	2299869	<100	100	2299869
Lithium (Li) †	ug/L	<100	<100	<100	<100	<100	2299869	<100	100	2299869
Magnesium (Mg)	ug/L	690	680	<200	420	320	2299869	1200	200	2299869
Manganese (Mn)	ug/L	24	24	<3.0	3.4	180	2299869	14	3.0	2299869
Mercury (Hg)	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	2299869	<0.10	0.10	2299869
Molybdenum (Mo)	ug/L	<10	<10	<10	<10	<10	2299869	14	10	2299869
Nickel (Ni)	ug/L	<10	<10	<10	<10	49	2299869	<10	10	2299869
Phosphorus	ug/L	<10	<10	130	<10	<10	2299869	<10	10	2299869
Lead (Pb)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2299869	<1.0	1.0	2299869
Potassium (K) †	ug/L	710	700	330	230	540	2299869	1300	200	2299869
Selenium (Se)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2299869	<1.0	1.0	2299869
Silicon (Si) †	ug/L	7700	7700	5000	7300	8700	2299869	7400	100	2299869
Sodium (Na)	ug/L	1400	1400	1100	1000	9000	2299869	6100	200	2299869
Strontium (Sr) †	ug/L	<50	<50	<50	<50	<50	2299869	<50	50	2299869
Thallium (Tl) †	ug/L	<10	<10	<10	<10	<10	2299869	<10	10	2299869
Titanium (Ti) †	ug/L	<50	<50	<50	<50	<50	2299869	<50	50	2299869

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2593	KM2593	KM2594	KM2595	KM2596		KM2597		
Sampling Date		2022/06/05 11:10	2022/06/05 11:10	2022/06/05 11:00	2022/06/05 09:15	2022/06/05 09:00		2022/06/05 10:35		
COC Number		66402	66402	66402	66402	66402		66402		
	Units	NMX- P01R	NMX-P01R Lab-Dup	NMX-P01D	NMX-P02R	NMX P02D	QC Batch	NMX-P03R	RDL	QC Batch
Tungsten (W) †	ug/L	47	47	<10	<10	37	2299869	<10	10	2299869
Uranium (U)	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2299869	2.8	2.0	2299869
Vanadium (V) †	ug/L	<10	<10	<10	<10	<10	2299869	<10	10	2299869
Zinc (Zn)	ug/L	<5.0	<5.0	<5.0	7.6	7.9	2299869	<5.0	5.0	2299869
METALS ICP-MS										
Cerium (Ce) †	ug/L	0.83	0.79	0.82	0.34	3.6	2306960	<0.30	0.30	2306975
Cesium (Cs) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2306960	<2.0	2.0	2306975
Dysprosium (Dy) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2306960	<2.0	2.0	2306975
Erbium (Er) †	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	2306960	<0.50	0.50	2306975
Europium (Eu) †	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	2306960	<0.40	0.40	2306975
Gadolinium (Gd) †	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	2306960	<0.50	0.50	2306975
Holmium (Ho) †	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	2306960	<0.30	0.30	2306975
Lanthanum (La) †	ug/L	0.90	0.86	0.83	<0.30	1.5	2306960	<0.30	0.30	2306975
Lutetium (Lu) †	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2306960	<1.0	1.0	2306975
Neodymium (Nd) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2306960	<2.0	2.0	2306975
Praseodymium (Pr) †	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	2306960	<0.40	0.40	2306975
Rhodium (Rh) †	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	2306960	<0.20	0.20	2306975
Rubidium (Rb) †	ug/L	3.6	3.5	2.6	3.1	3.7	2306960	4.0	2.0	2306975
Samarium (Sm) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2306960	<2.0	2.0	2306975
Scandium (Sc) †	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	2306960	<3.0	3.0	2306975
Terbium (Tb) †	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	2306960	<1.0	1.0	2306975
Thorium (Th) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2306960	<2.0	2.0	2306975
Thulium (Tm) †	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	2306960	<0.30	0.30	2306975
Ytterbium (Yb) †	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	2306960	<3.0	3.0	2306975
Yttrium (Y) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	2306960	<2.0	2.0	2306975

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2598		KM2599	KM2600		KM2601	KM2602		
Sampling Date		2022/06/05 08:10		2022/06/04 09:00	2022/06/04 08:15		2022/06/04 12:05	2022/06/03 14:45		
COC Number		66402		66402	66402		66402	66402		
	Units	NMX-P04R	QC Batch	NMX-P05R	NMX-P05D	QC Batch	NMX-P06R	NMX-P07D	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	<30	2300612	210	150	2299869	200	320	30	2299869
Antimony (Sb)	ug/L	<3.0	2300612	<3.0	<3.0	2299869	<3.0	<3.0	3.0	2299869
Silver (Ag) †	ug/L	<0.30	2300612	<0.30	<0.30	2299869	<0.30	<0.30	0.30	2299869
Arsenic (As)	ug/L	<0.30	2300612	<0.30	0.47	2299869	<0.30	0.48	0.30	2299869
Barium (Ba)	ug/L	<20	2300612	<20	<20	2299869	<20	<20	20	2299869
Beryllium (Be) †	ug/L	<2.0	2300612	<2.0	<2.0	2299869	<2.0	<2.0	2.0	2299869
Bismuth (Bi) †	ug/L	<50	2300612	<50	<50	2299869	<50	<50	50	2299869
Boron (B)	ug/L	<50	2300612	<50	<50	2299869	<50	<50	50	2299869
Cadmium (Cd)	ug/L	<1.0	2300612	<1.0	<1.0	2299869	<1.0	<1.0	1.0	2299869
Calcium (Ca)	ug/L	23000	2300612	3800	7100	2299869	1800	2900	500	2299869
Chromium (Cr)	ug/L	<5.0	2300612	<5.0	<5.0	2299869	<5.0	<5.0	5.0	2299869
Cobalt (Co)	ug/L	<20	2300612	<20	<20	2299869	<20	<20	20	2299869
Copper (Cu)	ug/L	<3.0	2300612	<3.0	7.6	2299869	8.6	<3.0	3.0	2299869
Total Hardness (CaCO3) †	ug/L	64000	2300612	11000	19000	2299869	10000	9700	1000	2299869
Tin (Sn) †	ug/L	<50	2300612	<50	<50	2299869	<50	<50	50	2299869
Iron (Fe)	ug/L	<100	2300612	<100	1800	2299869	<100	11000	100	2299869
Lithium (Li) †	ug/L	<100	2300612	<100	<100	2299869	<100	<100	100	2299869
Magnesium (Mg)	ug/L	1500	2300612	320	370	2299869	1300	630	200	2299869
Manganese (Mn)	ug/L	14	2300612	21	190	2299869	<3.0	140	3.0	2299869
Mercury (Hg)	ug/L	<0.10	2300612	<0.10	<0.10	2299869	<0.10	<0.10	0.10	2299869
Molybdenum (Mo)	ug/L	17	2300612	<10	<10	2299869	10	<10	10	2299869
Nickel (Ni)	ug/L	<10	2300612	<10	<10	2299869	<10	14	10	2299869
Phosphorus	ug/L	<10	2300612	<10	<10	2299869	<10	19	10	2299869
Lead (Pb)	ug/L	<1.0	2300612	<1.0	<1.0	2299869	<1.0	<1.0	1.0	2299869
Potassium (K) †	ug/L	730	2300612	<200	350	2299869	1300	990	200	2299869
Selenium (Se)	ug/L	<1.0	2300612	<1.0	<1.0	2299869	<1.0	<1.0	1.0	2299869
Silicon (Si) †	ug/L	9100	2300612	5200	8400	2299869	7100	8300	100	2299869
Sodium (Na)	ug/L	5200	2300612	630	1900	2299869	1500	1000	200	2299869
Strontium (Sr) †	ug/L	110	2300612	<50	<50	2299869	<50	<50	50	2299869
Thallium (Tl) †	ug/L	<10	2300612	<10	<10	2299869	<10	<10	10	2299869
Titanium (Ti) †	ug/L	<50	2300612	<50	<50	2299869	<50	<50	50	2299869

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2598		KM2599	KM2600		KM2601	KM2602		
Sampling Date		2022/06/05 08:10		2022/06/04 09:00	2022/06/04 08:15		2022/06/04 12:05	2022/06/03 14:45		
COC Number		66402		66402	66402		66402	66402		
	Units	NMX-P04R	QC Batch	NMX-P05R	NMX-P05D	QC Batch	NMX-P06R	NMX-P07D	RDL	QC Batch
Tungsten (W) †	ug/L	<10	2300612	<10	44	2299869	<10	<10	10	2299869
Uranium (U)	ug/L	2.8	2300612	<2.0	<2.0	2299869	<2.0	<2.0	2.0	2299869
Vanadium (V) †	ug/L	<10	2300612	<10	<10	2299869	<10	<10	10	2299869
Zinc (Zn)	ug/L	<5.0	2300612	<5.0	<5.0	2299869	100	<5.0	5.0	2299869
METALS ICP-MS										
Cerium (Ce) †	ug/L	<0.30	2306975	1.2	2.5	2306960	6.4	6.3	0.30	2306975
Cesium (Cs) †	ug/L	<2.0	2306975	<2.0	<2.0	2306960	<2.0	<2.0	2.0	2306975
Dysprosium (Dy) †	ug/L	<2.0	2306975	<2.0	<2.0	2306960	3.3	<2.0	2.0	2306975
Erbium (Er) †	ug/L	<0.50	2306975	<0.50	<0.50	2306960	1.7	<0.50	0.50	2306975
Europium (Eu) †	ug/L	<0.40	2306975	<0.40	<0.40	2306960	<0.40	<0.40	0.40	2306975
Gadolinium (Gd) †	ug/L	<0.50	2306975	<0.50	<0.50	2306960	4.0	<0.50	0.50	2306975
Holmium (Ho) †	ug/L	<0.30	2306975	<0.30	<0.30	2306960	0.59	<0.30	0.30	2306975
Lanthanum (La) †	ug/L	<0.30	2306975	0.60	1.1	2306960	2.6	3.5	0.30	2306975
Lutetium (Lu) †	ug/L	<1.0	2306975	<1.0	<1.0	2306960	<1.0	<1.0	1.0	2306975
Neodymium (Nd) †	ug/L	<2.0	2306975	<2.0	<2.0	2306960	5.7	2.8	2.0	2306975
Praseodymium (Pr) †	ug/L	<0.40	2306975	<0.40	<0.40	2306960	1.1	0.76	0.40	2306975
Rhodium (Rh) †	ug/L	<0.20	2306975	<0.20	<0.20	2306960	<0.20	<0.20	0.20	2306975
Rubidium (Rb) †	ug/L	3.9	2306975	<2.0	<2.0	2306960	6.7	7.1	2.0	2306975
Samarium (Sm) †	ug/L	<2.0	2306975	<2.0	<2.0	2306960	2.7	<2.0	2.0	2306975
Scandium (Sc) †	ug/L	<3.0	2306975	<3.0	<3.0	2306960	<3.0	<3.0	3.0	2306975
Terbium (Tb) †	ug/L	<1.0	2306975	<1.0	<1.0	2306960	<1.0	<1.0	1.0	2306975
Thorium (Th) †	ug/L	<2.0	2306975	<2.0	<2.0	2306960	<2.0	<2.0	2.0	2306975
Thulium (Tm) †	ug/L	<0.30	2306975	<0.30	<0.30	2306960	<0.30	<0.30	0.30	2306975
Ytterbium (Yb) †	ug/L	<3.0	2306975	<3.0	<3.0	2306960	<3.0	<3.0	3.0	2306975
Yttrium (Y) †	ug/L	<2.0	2306975	2.7	<2.0	2306960	27	<2.0	2.0	2306975

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2603		KM2604		KM2605		KM2606		
Sampling Date		2022/06/03 15:45		2022/06/04 11:00		2022/06/04 09:40		2022/06/04 17:20		
COC Number		66402		66402		66402		66402		
	Units	NMX-P07R	QC Batch	NMX -P08R	QC Batch	NMX-P08D	QC Batch	NMX-P09R	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	110	2300612	32	2299874	35	2299869	<30	30	2299874
Antimony (Sb)	ug/L	<3.0	2300612	<3.0	2299874	<3.0	2299869	<3.0	3.0	2299874
Silver (Ag) †	ug/L	<0.30	2300612	<0.30	2299874	<0.30	2299869	<0.30	0.30	2299874
Arsenic (As)	ug/L	1.2	2300612	0.38	2299874	<0.30	2299869	0.70	0.30	2299874
Barium (Ba)	ug/L	<20	2300612	<20	2299874	<20	2299869	<20	20	2299874
Beryllium (Be) †	ug/L	<2.0	2300612	<2.0	2299874	<2.0	2299869	<2.0	2.0	2299874
Bismuth (Bi) †	ug/L	<50	2300612	<50	2299874	<50	2299869	<50	50	2299874
Boron (B)	ug/L	<50	2300612	<50	2299874	<50	2299869	<50	50	2299874
Cadmium (Cd)	ug/L	<1.0	2300612	<1.0	2299874	<1.0	2299869	<1.0	1.0	2299874
Calcium (Ca)	ug/L	7600	2300612	8000	2299874	4200	2299869	31000	500	2299874
Chromium (Cr)	ug/L	<5.0	2300612	<5.0	2299874	<5.0	2299869	<5.0	5.0	2299874
Cobalt (Co)	ug/L	<20	2300612	<20	2299874	<20	2299869	<20	20	2299874
Copper (Cu)	ug/L	<3.0	2300612	<3.0	2299874	<3.0	2299869	<3.0	3.0	2299874
Total Hardness (CaCO3) †	ug/L	23000	2300612	23000	2299874	12000	2299869	89000	1000	2299874
Tin (Sn) †	ug/L	<50	2300612	<50	2299874	<50	2299869	<50	50	2299874
Iron (Fe)	ug/L	8300	2300612	1200	2299874	1600	2299869	<100	100	2299874
Lithium (Li) †	ug/L	<100	2300612	<100	2299874	<100	2299869	<100	100	2299874
Magnesium (Mg)	ug/L	960	2300612	610	2299874	360	2299869	3100	200	2299874
Manganese (Mn)	ug/L	160	2300612	200	2299874	360	2299869	76	3.0	2299874
Mercury (Hg)	ug/L	<0.10	2300612	<0.10	2299874	<0.10	2299869	<0.10	0.10	2299874
Molybdenum (Mo)	ug/L	<10	2300612	<10	2299874	<10	2299869	11	10	2299874
Nickel (Ni)	ug/L	<10	2300612	<10	2299874	<10	2299869	<10	10	2299874
Phosphorus	ug/L	<10	2300612	<10	2299874	<10	2299869	<10	10	2299874
Lead (Pb)	ug/L	<1.0	2300612	<1.0	2299874	<1.0	2299869	<1.0	1.0	2299874
Potassium (K) †	ug/L	1200	2300612	650	2299874	270	2299869	2200	200	2299874
Selenium (Se)	ug/L	<1.0	2300612	<1.0	2299874	<1.0	2299869	<1.0	1.0	2299874
Silicon (Si) †	ug/L	12000	2300612	7600	2299874	6700	2299869	13000	100	2299874
Sodium (Na)	ug/L	1500	2300612	3400	2299874	920	2299869	5100	200	2299874
Strontium (Sr) †	ug/L	<50	2300612	<50	2299874	<50	2299869	130	50	2299874
Thallium (Tl) †	ug/L	<10	2300612	<10	2299874	<10	2299869	<10	10	2299874
Titanium (Ti) †	ug/L	<50	2300612	<50	2299874	<50	2299869	<50	50	2299874

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QC Batch = Quality Control Batch
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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2603		KM2604		KM2605		KM2606		
Sampling Date		2022/06/03 15:45		2022/06/04 11:00		2022/06/04 09:40		2022/06/04 17:20		
COC Number		66402		66402		66402		66402		
	Units	NMX-P07R	QC Batch	NMX -P08R	QC Batch	NMX-P08D	QC Batch	NMX-P09R	RDL	QC Batch
Tungsten (W) †	ug/L	<10	2300612	<10	2299874	<10	2299869	<10	10	2299874
Uranium (U)	ug/L	<2.0	2300612	3.7	2299874	<2.0	2299869	3.6	2.0	2299874
Vanadium (V) †	ug/L	<10	2300612	<10	2299874	<10	2299869	<10	10	2299874
Zinc (Zn)	ug/L	5.0	2300612	<5.0	2299874	<5.0	2299869	<5.0	5.0	2299874
METALS ICP-MS										
Cerium (Ce) †	ug/L	23	2306975	2.8	2306960	6.8	2306960	<0.30	0.30	2306975
Cesium (Cs) †	ug/L	2.5	2306975	<2.0	2306960	<2.0	2306960	4.2	2.0	2306975
Dysprosium (Dy) †	ug/L	<2.0	2306975	<2.0	2306960	<2.0	2306960	<2.0	2.0	2306975
Erbium (Er) †	ug/L	<0.50	2306975	<0.50	2306960	<0.50	2306960	<0.50	0.50	2306975
Europium (Eu) †	ug/L	<0.40	2306975	<0.40	2306960	<0.40	2306960	<0.40	0.40	2306975
Gadolinium (Gd) †	ug/L	1.1	2306975	<0.50	2306960	<0.50	2306960	<0.50	0.50	2306975
Holmium (Ho) †	ug/L	<0.30	2306975	<0.30	2306960	<0.30	2306960	<0.30	0.30	2306975
Lanthanum (La) †	ug/L	10	2306975	1.3	2306960	3.1	2306960	<0.30	0.30	2306975
Lutetium (Lu) †	ug/L	<1.0	2306975	<1.0	2306960	<1.0	2306960	<1.0	1.0	2306975
Neodymium (Nd) †	ug/L	11	2306975	<2.0	2306960	2.1	2306960	<2.0	2.0	2306975
Praseodymium (Pr) †	ug/L	2.7	2306975	<0.40	2306960	0.60	2306960	<0.40	0.40	2306975
Rhodium (Rh) †	ug/L	<0.20	2306975	<0.20	2306960	<0.20	2306960	<0.20	0.20	2306975
Rubidium (Rb) †	ug/L	8.9	2306975	2.6	2306960	2.8	2306960	6.7	2.0	2306975
Samarium (Sm) †	ug/L	<2.0	2306975	<2.0	2306960	<2.0	2306960	<2.0	2.0	2306975
Scandium (Sc) †	ug/L	<3.0	2306975	<3.0	2306960	<3.0	2306960	<3.0	3.0	2306975
Terbium (Tb) †	ug/L	<1.0	2306975	<1.0	2306960	<1.0	2306960	<1.0	1.0	2306975
Thorium (Th) †	ug/L	<2.0	2306975	<2.0	2306960	<2.0	2306960	<2.0	2.0	2306975
Thulium (Tm) †	ug/L	<0.30	2306975	<0.30	2306960	<0.30	2306960	<0.30	0.30	2306975
Ytterbium (Yb) †	ug/L	<3.0	2306975	<3.0	2306960	<3.0	2306960	<3.0	3.0	2306975
Yttrium (Y) †	ug/L	3.7	2306975	<2.0	2306960	<2.0	2306960	<2.0	2.0	2306975

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889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2607	KM2608	KM2609	KM2610	KM2611	KM2612	KM2613		
Sampling Date		2022/06/03 16:25	2022/06/04 14:45	2022/06/04 13:25	2022/06/04 12:55	2022/06/04 15:10	2022/06/04 16:00	2022/06/04 16:30		
COC Number		66402	66402	66402	66402	66402	66402	66402		
	Units	NMX-P09D	NMX-P10	NMX-P11	NMX-P12	NMX-P13	NMX-P14	NMX-P15	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	82	<30	<30	240	<30	150	<30	30	2299869
Antimony (Sb)	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	2299869
Silver (Ag) †	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	2299869
Arsenic (As)	ug/L	0.83	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	2299869
Barium (Ba)	ug/L	<20	<20	24	<20	<20	<20	<20	20	2299869
Beryllium (Be) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2299869
Bismuth (Bi) †	ug/L	<50	<50	<50	<50	<50	<50	<50	50	2299869
Boron (B)	ug/L	<50	<50	<50	<50	<50	<50	<50	50	2299869
Cadmium (Cd)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	2299869
Calcium (Ca)	ug/L	2000	6600	19000	2400	1800	630	3000	500	2299869
Chromium (Cr)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	2299869
Cobalt (Co)	ug/L	<20	<20	<20	<20	44	<20	<20	20	2299869
Copper (Cu)	ug/L	<3.0	3.2	<3.0	<3.0	5.8	5.3	<3.0	3.0	2299869
Total Hardness (CaCO3) †	ug/L	7700	20000	52000	8700	7400	2000	9700	1000	2299869
Tin (Sn) †	ug/L	<50	<50	<50	<50	<50	<50	<50	50	2299869
Iron (Fe)	ug/L	2200	<100	<100	3600	21000	<100	400	100	2299869
Lithium (Li) †	ug/L	<100	<100	<100	<100	<100	<100	<100	100	2299869
Magnesium (Mg)	ug/L	640	970	1300	660	710	<200	550	200	2299869
Manganese (Mn)	ug/L	20	11	<3.0	20	890	7.5	49	3.0	2299869
Mercury (Hg)	ug/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	2299869
Molybdenum (Mo)	ug/L	<10	<10	<10	<10	16	<10	<10	10	2299869
Nickel (Ni)	ug/L	<10	<10	<10	<10	<10	<10	<10	10	2299869
Phosphorus	ug/L	26	<10	74	<10	<10	<10	<10	10	2299869
Lead (Pb)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	2299869
Potassium (K) †	ug/L	220	450	950	250	<200	230	240	200	2299869
Selenium (Se)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	2299869
Silicon (Si) †	ug/L	7300	6600	7000	7400	4200	4700	12000	100	2299869
Sodium (Na)	ug/L	1200	3000	2500	5100	1000	650	1500	200	2299869
Strontium (Sr) †	ug/L	<50	55	55	<50	<50	<50	<50	50	2299869
Thallium (Tl) †	ug/L	<10	<10	<10	<10	<10	<10	<10	10	2299869
Titanium (Ti) †	ug/L	<50	<50	<50	<50	<50	<50	<50	50	2299869

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2607	KM2608	KM2609	KM2610	KM2611	KM2612	KM2613		
Sampling Date		2022/06/03 16:25	2022/06/04 14:45	2022/06/04 13:25	2022/06/04 12:55	2022/06/04 15:10	2022/06/04 16:00	2022/06/04 16:30		
COC Number		66402	66402	66402	66402	66402	66402	66402		
	Units	NMX-P09D	NMX-P10	NMX-P11	NMX-P12	NMX-P13	NMX-P14	NMX-P15	RDL	QC Batch
Tungsten (W) †	ug/L	<10	<10	<10	<10	<10	<10	<10	10	2299869
Uranium (U)	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2299869
Vanadium (V) †	ug/L	<10	<10	<10	<10	<10	<10	<10	10	2299869
Zinc (Zn)	ug/L	<5.0	<5.0	<5.0	<5.0	8.2	<5.0	<5.0	5.0	2299869
METALS ICP-MS										
Cerium (Ce) †	ug/L	6.0	0.47	1.3	0.56	1.1	1.1	1.7	0.30	2306960
Cesium (Cs) †	ug/L	<2.0	<2.0	6.3	<2.0	<2.0	<2.0	<2.0	2.0	2306960
Dysprosium (Dy) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2306960
Erbium (Er) †	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	2306960
Europium (Eu) †	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	2306960
Gadolinium (Gd) †	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	2306960
Holmium (Ho) †	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	2306960
Lanthanum (La) †	ug/L	1.1	0.84	1.8	<0.30	0.67	1.1	0.69	0.30	2306960
Lutetium (Lu) †	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	2306960
Neodymium (Nd) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2306960
Praseodymium (Pr) †	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	2306960
Rhodium (Rh) †	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	2306960
Rubidium (Rb) †	ug/L	<2.0	2.0	4.8	<2.0	<2.0	<2.0	<2.0	2.0	2306960
Samarium (Sm) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2306960
Scandium (Sc) †	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	2306960
Terbium (Tb) †	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	2306960
Thorium (Th) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2306960
Thulium (Tm) †	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	2306960
Ytterbium (Yb) †	ug/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	2306960
Yttrium (Y) †	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	2306960

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2614		KM2615	KM2616		KM2617		KM2618		
Sampling Date		2022/06/05 13:15		2022/06/05 14:25	2022/06/05 13:45		2022/06/05 14:50		2022/06/04 17:30		
COC Number		66402		66402	66402		66402		66402		
	Units	Pz19	QC Batch	Pz20	Pz22	QC Batch	PO20	QC Batch	PO21	RDL	QC Batch
METALS											
Aluminum (Al) †	ug/L	99	2299869	74	280	2299874	90	2300612	38	30	2300612
Antimony (Sb)	ug/L	<3.0	2299869	<3.0	<3.0	2299874	<3.0	2300612	<3.0	3.0	2300612
Silver (Ag) †	ug/L	<0.30	2299869	<0.30	<0.30	2299874	<0.30	2300612	<0.30	0.30	2300612
Arsenic (As)	ug/L	0.73	2299869	5.3	1.2	2299874	<0.30	2300612	0.34	0.30	2300612
Barium (Ba)	ug/L	<20	2299869	<20	<20	2299874	<20	2300612	<20	20	2300612
Beryllium (Be) †	ug/L	<2.0	2299869	<2.0	<2.0	2299874	<2.0	2300612	<2.0	2.0	2300612
Bismuth (Bi) †	ug/L	<50	2299869	<50	<50	2299874	<50	2300612	<50	50	2300612
Boron (B)	ug/L	<50	2299869	<50	<50	2299874	<50	2300612	<50	50	2300612
Cadmium (Cd)	ug/L	<1.0	2299869	<1.0	<1.0	2299874	<1.0	2300612	1.4	1.0	2300612
Calcium (Ca)	ug/L	1200	2299869	3000	3400	2299874	1600	2300612	1400	500	2300612
Chromium (Cr)	ug/L	6.2	2299869	<5.0	<5.0	2299874	<5.0	2300612	<5.0	5.0	2300612
Cobalt (Co)	ug/L	<20	2299869	<20	<20	2299874	<20	2300612	<20	20	2300612
Copper (Cu)	ug/L	<3.0	2299869	<3.0	<3.0	2299874	<3.0	2300612	<3.0	3.0	2300612
Total Hardness (CaCO3) †	ug/L	3900	2299869	8900	10000	2299874	5000	2300612	4600	1000	2300612
Tin (Sn) †	ug/L	<50	2299869	<50	<50	2299874	<50	2300612	<50	50	2300612
Iron (Fe)	ug/L	7700	2299869	4700	10000	2299874	34000	2300612	62000	100	2300612
Lithium (Li) †	ug/L	<100	2299869	<100	<100	2299874	<100	2300612	<100	100	2300612
Magnesium (Mg)	ug/L	200	2299869	360	360	2299874	230	2300612	230	200	2300612
Manganese (Mn)	ug/L	22	2299869	70	38	2299874	130	2300612	180	3.0	2300612
Mercury (Hg)	ug/L	<0.10	2299869	<0.10	<0.10	2299874	<0.10	2300612	<0.10	0.10	2300612
Molybdenum (Mo)	ug/L	<10	2299869	<10	<10	2299874	<10	2300612	<10	10	2300612
Nickel (Ni)	ug/L	<10	2299869	<10	<10	2299874	<10	2300612	<10	10	2300612
Phosphorus	ug/L	<10	2299869	<10	51	2299874	50	2300612	<10	10	2300612
Lead (Pb)	ug/L	<1.0	2299869	<1.0	<1.0	2299874	<1.0	2300612	12	1.0	2300612
Potassium (K) †	ug/L	<200	2299869	<200	<200	2299874	<200	2300612	<200	200	2300612
Selenium (Se)	ug/L	<1.0	2299869	<1.0	<1.0	2299874	<1.0	2300612	<1.0	1.0	2300612
Silicon (Si) †	ug/L	5800	2299869	11000	11000	2299874	5500	2300612	6000	100	2300612
Sodium (Na)	ug/L	650	2299869	4400	7200	2299874	730	2300612	920	200	2300612
Strontium (Sr) †	ug/L	<50	2299869	<50	<50	2299874	<50	2300612	<50	50	2300612
Thallium (Tl) †	ug/L	<10	2299869	<10	<10	2299874	<10	2300612	<10	10	2300612
Titanium (Ti) †	ug/L	<50	2299869	<50	<50	2299874	<50	2300612	<50	50	2300612

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2614		KM2615	KM2616		KM2617		KM2618		
Sampling Date		2022/06/05 13:15		2022/06/05 14:25	2022/06/05 13:45		2022/06/05 14:50		2022/06/04 17:30		
COC Number		66402		66402	66402		66402		66402		
	Units	Pz19	QC Batch	Pz20	Pz22	QC Batch	PO20	QC Batch	PO21	RDL	QC Batch
Tungsten (W) †	ug/L	<10	2299869	<10	<10	2299874	<10	2300612	<10	10	2300612
Uranium (U)	ug/L	<2.0	2299869	<2.0	<2.0	2299874	<2.0	2300612	<2.0	2.0	2300612
Vanadium (V) †	ug/L	<10	2299869	<10	<10	2299874	<10	2300612	<10	10	2300612
Zinc (Zn)	ug/L	<5.0	2299869	5.4	5.5	2299874	35000	2300612	29000	5.0	2300612
METALS ICP-MS											
Cerium (Ce) †	ug/L	12	2306960	2.7	5.5	2306960	<0.30	2306975	<0.30	0.30	2306960
Cesium (Cs) †	ug/L	<2.0	2306960	<2.0	<2.0	2306960	<2.0	2306975	<2.0	2.0	2306960
Dysprosium (Dy) †	ug/L	<2.0	2306960	<2.0	<2.0	2306960	<2.0	2306975	<2.0	2.0	2306960
Erbium (Er) †	ug/L	<0.50	2306960	<0.50	<0.50	2306960	<0.50	2306975	<0.50	0.50	2306960
Europium (Eu) †	ug/L	<0.40	2306960	<0.40	<0.40	2306960	<0.40	2306975	<0.40	0.40	2306960
Gadolinium (Gd) †	ug/L	0.53	2306960	<0.50	<0.50	2306960	<0.50	2306975	<0.50	0.50	2306960
Holmium (Ho) †	ug/L	<0.30	2306960	<0.30	<0.30	2306960	<0.30	2306975	<0.30	0.30	2306960
Lanthanum (La) †	ug/L	5.3	2306960	1.2	2.3	2306960	<0.30	2306975	<0.30	0.30	2306960
Lutetium (Lu) †	ug/L	<1.0	2306960	<1.0	<1.0	2306960	<1.0	2306975	<1.0	1.0	2306960
Neodymium (Nd) †	ug/L	5.1	2306960	<2.0	2.8	2306960	<2.0	2306975	<2.0	2.0	2306960
Praseodymium (Pr) †	ug/L	1.4	2306960	<0.40	0.72	2306960	<0.40	2306975	<0.40	0.40	2306960
Rhodium (Rh) †	ug/L	<0.20	2306960	<0.20	<0.20	2306960	<0.20	2306975	<0.20	0.20	2306960
Rubidium (Rb) †	ug/L	<2.0	2306960	<2.0	<2.0	2306960	<2.0	2306975	2.1	2.0	2306960
Samarium (Sm) †	ug/L	<2.0	2306960	<2.0	<2.0	2306960	<2.0	2306975	<2.0	2.0	2306960
Scandium (Sc) †	ug/L	<3.0	2306960	<3.0	<3.0	2306960	<3.0	2306975	<3.0	3.0	2306960
Terbium (Tb) †	ug/L	<1.0	2306960	<1.0	<1.0	2306960	<1.0	2306975	<1.0	1.0	2306960
Thorium (Th) †	ug/L	<2.0	2306960	<2.0	<2.0	2306960	<2.0	2306975	<2.0	2.0	2306960
Thulium (Tm) †	ug/L	<0.30	2306960	<0.30	<0.30	2306960	<0.30	2306975	<0.30	0.30	2306960
Ytterbium (Yb) †	ug/L	<3.0	2306960	<3.0	<3.0	2306960	<3.0	2306975	<3.0	3.0	2306960
Yttrium (Y) †	ug/L	<2.0	2306960	<2.0	<2.0	2306960	<2.0	2306975	<2.0	2.0	2306960

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2619		KM2620		KM2621		
Sampling Date		2022/06/05 15:10		2022/06/04 12:10		2022/06/05 15:00		
COC Number		66402		66402		66402		
	Units	BLANC DE TERRAIN1 LOT 22MA24-A	QC Batch	BLANC DE TERRAIN2 LOT 22MA24-A	QC Batch	BLANC DE TERRAIN3 LOT 22MA24-A	RDL	QC Batch
METALS								
Aluminum (Al) †	ug/L	<30	2299869	<30	2300612	<30	30	2300612
Antimony (Sb)	ug/L	<3.0	2299869	<3.0	2300612	<3.0	3.0	2300612
Silver (Ag) †	ug/L	<0.30	2299869	<0.30	2300612	<0.30	0.30	2300612
Arsenic (As)	ug/L	<0.30	2299869	<0.30	2300612	<0.30	0.30	2300612
Barium (Ba)	ug/L	<20	2299869	<20	2300612	<20	20	2300612
Beryllium (Be) †	ug/L	<2.0	2299869	<2.0	2300612	<2.0	2.0	2300612
Bismuth (Bi) †	ug/L	<50	2299869	<50	2300612	<50	50	2300612
Boron (B)	ug/L	<50	2299869	<50	2300612	<50	50	2300612
Cadmium (Cd)	ug/L	<1.0	2299869	<1.0	2300612	<1.0	1.0	2300612
Calcium (Ca)	ug/L	<500	2299869	<500	2300612	<500	500	2300612
Chromium (Cr)	ug/L	<5.0	2299869	<5.0	2300612	<5.0	5.0	2300612
Cobalt (Co)	ug/L	<20	2299869	<20	2300612	<20	20	2300612
Copper (Cu)	ug/L	<3.0	2299869	<3.0	2300612	<3.0	3.0	2300612
Total Hardness (CaCO3) †	ug/L	<1000	2299869	<1000	2300612	<1000	1000	2300612
Tin (Sn) †	ug/L	<50	2299869	<50	2300612	<50	50	2300612
Iron (Fe)	ug/L	<100	2299869	<100	2300612	<100	100	2300612
Lithium (Li) †	ug/L	<100	2299869	<100	2300612	<100	100	2300612
Magnesium (Mg)	ug/L	<200	2299869	<200	2300612	<200	200	2300612
Manganese (Mn)	ug/L	<3.0	2299869	<3.0	2300612	<3.0	3.0	2300612
Mercury (Hg)	ug/L	<0.10	2299869	<0.10	2300612	<0.10	0.10	2300612
Molybdenum (Mo)	ug/L	<10	2299869	<10	2300612	<10	10	2300612
Nickel (Ni)	ug/L	<10	2299869	<10	2300612	<10	10	2300612
Phosphorus	ug/L	<10	2299869	<10	2300612	<10	10	2300612
Lead (Pb)	ug/L	<1.0	2299869	<1.0	2300612	<1.0	1.0	2300612
Potassium (K) †	ug/L	<200	2299869	<200	2300612	<200	200	2300612
Selenium (Se)	ug/L	<1.0	2299869	<1.0	2300612	<1.0	1.0	2300612
Silicon (Si) †	ug/L	<100	2299869	110	2300612	120	100	2300612
Sodium (Na)	ug/L	<200	2299869	<200	2300612	<200	200	2300612
Strontium (Sr) †	ug/L	<50	2299869	<50	2300612	<50	50	2300612
Thallium (Tl) †	ug/L	<10	2299869	<10	2300612	<10	10	2300612
Titanium (Ti) †	ug/L	<50	2299869	<50	2300612	<50	50	2300612

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2619		KM2620		KM2621		
Sampling Date		2022/06/05 15:10		2022/06/04 12:10		2022/06/05 15:00		
COC Number		66402		66402		66402		
	Units	BLANC DE TERRAIN1 LOT 22MA24-A	QC Batch	BLANC DE TERRAIN2 LOT 22MA24-A	QC Batch	BLANC DE TERRAIN3 LOT 22MA24-A	RDL	QC Batch
Tungsten (W) †	ug/L	<10	2299869	<10	2300612	<10	10	2300612
Uranium (U)	ug/L	<2.0	2299869	<2.0	2300612	<2.0	2.0	2300612
Vanadium (V) †	ug/L	<10	2299869	<10	2300612	<10	10	2300612
Zinc (Zn)	ug/L	<5.0	2299869	6.9	2300612	<5.0	5.0	2300612
METALS ICP-MS								
Cerium (Ce) †	ug/L	<0.30	2306975	<0.30	2306975	<0.30	0.30	2306960
Cesium (Cs) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960
Dysprosium (Dy) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960
Erbium (Er) †	ug/L	<0.50	2306975	<0.50	2306975	<0.50	0.50	2306960
Europium (Eu) †	ug/L	<0.40	2306975	<0.40	2306975	<0.40	0.40	2306960
Gadolinium (Gd) †	ug/L	<0.50	2306975	<0.50	2306975	<0.50	0.50	2306960
Holmium (Ho) †	ug/L	<0.30	2306975	<0.30	2306975	<0.30	0.30	2306960
Lanthanum (La) †	ug/L	<0.30	2306975	<0.30	2306975	<0.30	0.30	2306960
Lutetium (Lu) †	ug/L	<1.0	2306975	<1.0	2306975	<1.0	1.0	2306960
Neodymium (Nd) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960
Praseodymium (Pr) †	ug/L	<0.40	2306975	<0.40	2306975	<0.40	0.40	2306960
Rhodium (Rh) †	ug/L	<0.20	2306975	<0.20	2306975	<0.20	0.20	2306960
Rubidium (Rb) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960
Samarium (Sm) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960
Scandium (Sc) †	ug/L	<3.0	2306975	<3.0	2306975	<3.0	3.0	2306960
Terbium (Tb) †	ug/L	<1.0	2306975	<1.0	2306975	<1.0	1.0	2306960
Thorium (Th) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960
Thulium (Tm) †	ug/L	<0.30	2306975	<0.30	2306975	<0.30	0.30	2306960
Ytterbium (Yb) †	ug/L	<3.0	2306975	<3.0	2306975	<3.0	3.0	2306960
Yttrium (Y) †	ug/L	<2.0	2306975	<2.0	2306975	<2.0	2.0	2306960

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2622	KM2623	KM2624	KM2625		
Sampling Date		2022/06/03	2022/06/04	2022/06/05	2022/06/05		
COC Number		66402	66402	66402	66402		
	Units	DUPLICATA 1	DUPLICATA 2	DUPLICATA 3	BLANC DE TRANSPORT 1 LOT 22MA24-A	RDL	QC Batch
METALS							
Aluminum (Al) †	ug/L	100	190	99	<30	30	2300612
Antimony (Sb)	ug/L	<3.0	<3.0	<3.0	<3.0	3.0	2300612
Silver (Ag) †	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	2300612
Arsenic (As)	ug/L	1.2	<0.30	0.68	<0.30	0.30	2300612
Barium (Ba)	ug/L	<20	<20	<20	<20	20	2300612
Beryllium (Be) †	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	2300612
Bismuth (Bi) †	ug/L	<50	<50	<50	<50	50	2300612
Boron (B)	ug/L	<50	<50	<50	<50	50	2300612
Cadmium (Cd)	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	2300612
Calcium (Ca)	ug/L	7500	1800	1200	<500	500	2300612
Chromium (Cr)	ug/L	<5.0	<5.0	6.3	<5.0	5.0	2300612
Cobalt (Co)	ug/L	<20	<20	<20	<20	20	2300612
Copper (Cu)	ug/L	<3.0	8.8	<3.0	<3.0	3.0	2300612
Total Hardness (CaCO3) †	ug/L	23000	9900	3700	<1000	1000	2300612
Tin (Sn) †	ug/L	<50	<50	<50	<50	50	2300612
Iron (Fe)	ug/L	8500	<100	7700	<100	100	2300612
Lithium (Li) †	ug/L	<100	<100	<100	<100	100	2300612
Magnesium (Mg)	ug/L	980	1300	210	<200	200	2300612
Manganese (Mn)	ug/L	160	<3.0	22	<3.0	3.0	2300612
Mercury (Hg)	ug/L	<0.10	<0.10	<0.10	<0.10	0.10	2300612
Molybdenum (Mo)	ug/L	<10	<10	<10	<10	10	2300612
Nickel (Ni)	ug/L	<10	<10	<10	<10	10	2300612
Phosphorus	ug/L	<10	<10	<10	<10	10	2300612
Lead (Pb)	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	2300612
Potassium (K) †	ug/L	1200	1200	<200	<200	200	2300612
Selenium (Se)	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	2300612
Silicon (Si) †	ug/L	12000	7000	5900	<100	100	2300612
Sodium (Na)	ug/L	1500	1500	640	<200	200	2300612
Strontium (Sr) †	ug/L	<50	<50	<50	<50	50	2300612
Thallium (Tl) †	ug/L	<10	<10	<10	<10	10	2300612
Titanium (Ti) †	ug/L	<50	<50	<50	<50	50	2300612

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KM2622	KM2623	KM2624	KM2625		
Sampling Date		2022/06/03	2022/06/04	2022/06/05	2022/06/05		
COC Number		66402	66402	66402	66402		
	Units	DUPLICATA 1	DUPLICATA 2	DUPLICATA 3	BLANC DE TRANSPORT 1 LOT 22MA24-A	RDL	QC Batch
Tungsten (W) †	ug/L	<10	<10	<10	<10	10	2300612
Uranium (U)	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	2300612
Vanadium (V) †	ug/L	<10	<10	<10	<10	10	2300612
Zinc (Zn)	ug/L	6.7	100	<5.0	6.9	5.0	2300612
METALS ICP-MS							
Cerium (Ce) †	ug/L	25	6.2	19	<0.30	0.30	2306975
Cesium (Cs) †	ug/L	2.7	<2.0	<2.0	<2.0	2.0	2306975
Dysprosium (Dy) †	ug/L	<2.0	3.3	<2.0	<2.0	2.0	2306975
Erbium (Er) †	ug/L	<0.50	1.7	<0.50	<0.50	0.50	2306975
Europium (Eu) †	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	2306975
Gadolinium (Gd) †	ug/L	1.1	3.9	0.83	<0.50	0.50	2306975
Holmium (Ho) †	ug/L	<0.30	0.58	<0.30	<0.30	0.30	2306975
Lanthanum (La) †	ug/L	11	2.5	8.4	<0.30	0.30	2306975
Lutetium (Lu) †	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	2306975
Neodymium (Nd) †	ug/L	11	5.5	8.1	<2.0	2.0	2306975
Praseodymium (Pr) †	ug/L	2.9	1.1	2.2	<0.40	0.40	2306975
Rhodium (Rh) †	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	2306975
Rubidium (Rb) †	ug/L	9.4	6.6	2.1	<2.0	2.0	2306975
Samarium (Sm) †	ug/L	<2.0	2.7	<2.0	<2.0	2.0	2306975
Scandium (Sc) †	ug/L	<3.0	<3.0	<3.0	<3.0	3.0	2306975
Terbium (Tb) †	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	2306975
Thorium (Th) †	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	2306975
Thulium (Tm) †	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	2306975
Ytterbium (Yb) †	ug/L	<3.0	<3.0	<3.0	<3.0	3.0	2306975
Yttrium (Y) †	ug/L	3.8	27	3.0	<2.0	2.0	2306975

RDL = Reportable Detection Limit
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Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2593		KM2594		KM2595		
Sampling Date		2022/06/05 11:10		2022/06/05 11:00		2022/06/05 09:15		
COC Number		66402		66402		66402		
	Units	NMX- P01R	RDL	NMX-P01D	RDL	NMX-P02R	RDL	QC Batch
CONVENTIONALS								
Conductivity	mS/cm	0.031	0.0010	0.011	0.0010	0.035	0.0010	2299593
Fluoride (F) †	mg/L	0.025	0.010	0.012	0.010	0.029	0.010	2308027
Nitrates (N-NO3-)	mg/L	0.033	0.020	0.036	0.020	<0.020	0.020	2299609
Nitrites (N-NO2-)	mg/L	<0.020	0.020	<0.020	0.020	<0.020	0.020	2299609
pH	pH	6.37	N/A	5.79	N/A	6.30	N/A	2299591
Total Cyanide (CN)	mg/L	<0.0030	0.0030	<0.0030	0.0030	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	<0.10	0.10	<0.10	0.10	<0.10	0.10	2299610
Bicarbonates (HCO3 as CaCO3) †	mg/L	9.5	1.0	2.5	1.0	14	1.0	2299592
Chloride (Cl)	mg/L	0.22	0.050	0.33	0.050	0.33	0.050	2299610
Total Dissolved Solids	mg/L	120	10	40	11	39	10	2301660

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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N/A = Not Applicable

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Groupe Synergis
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Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2596	KM2596			KM2597		KM2598		
Sampling Date		2022/06/05 09:00	2022/06/05 09:00			2022/06/05 10:35		2022/06/05 08:10		
COC Number		66402	66402			66402		66402		
	Units	NMX P02D	NMX P02D Lab-Dup	RDL	QC Batch	NMX-P03R	QC Batch	NMX-P04R	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.061	N/A	0.0010	2299586	0.14	2299593	0.14	0.0010	2299593
Fluoride (F) †	mg/L	0.038	0.039	0.010	2308027	0.25	2308026	0.20	0.010	2308027
Nitrates (N-NO3-)	mg/L	0.41	N/A	0.020	2299609	<0.020	2299609	<0.020	0.020	2299609
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2299609	<0.020	2299609	<0.020	0.020	2299609
pH	pH	6.22	N/A	N/A	2299584	7.62	2299591	7.85	N/A	2299591
Total Cyanide (CN)	mg/L	<0.0030	N/A	0.0030	2300136	<0.0030	2300136	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2299610	<0.10	2299610	<0.10	0.10	2299610
Bicarbonates (HCO3 as CaCO3) †	mg/L	21	N/A	1.0	2299585	67	2299592	64	1.0	2299592
Chloride (Cl)	mg/L	0.37	N/A	0.050	2299610	0.42	2299610	0.38	0.050	2299610
Total Dissolved Solids	mg/L	90	N/A	13	2301464	140	2301660	110	12	2301660

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2599		KM2600			KM2601		
Sampling Date		2022/06/04 09:00		2022/06/04 08:15			2022/06/04 12:05		
COC Number		66402		66402			66402		
	Units	NMX-P05R	RDL	NMX-P05D	RDL	QC Batch	NMX-P06R	RDL	QC Batch
CONVENTIONALS									
Conductivity	mS/cm	0.024	0.0010	0.052	0.0010	2299586	0.036	0.0010	2299593
Fluoride (F) †	mg/L	0.015	0.010	0.031	0.010	2308026	0.19	0.010	2308027
Nitrates (N-NO3-)	mg/L	<0.020	0.020	0.049	0.020	2299609	0.29	0.020	2299609
Nitrites (N-NO2-)	mg/L	<0.020	0.020	<0.020	0.020	2299609	<0.020	0.020	2299609
pH	pH	6.16	N/A	6.58	N/A	2299584	6.09	N/A	2299591
Total Cyanide (CN)	mg/L	<0.0030	0.0030	<0.0030	0.0030	2300136	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	<0.10	0.10	<0.10	0.10	2299610	<0.10	0.10	2299610
Bicarbonates (HCO3 as CaCO3) †	mg/L	10	1.0	26	1.0	2299585	7.5	1.0	2299592
Chloride (Cl)	mg/L	0.26	0.050	0.36	0.050	2299610	0.98	0.050	2299610
Total Dissolved Solids	mg/L	39	12	70	13	2301464	53	10	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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N/A = Not Applicable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2602		KM2603		KM2604		KM2605		
Sampling Date		2022/06/03 14:45		2022/06/03 15:45		2022/06/04 11:00		2022/06/04 09:40		
COC Number		66402		66402		66402		66402		
	Units	NMX-P07D	QC Batch	NMX-P07R	QC Batch	NMX -P08R	QC Batch	NMX-P08D	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.043	2299586	0.080	2299593	0.067	2299593	0.032	0.0010	2299593
Fluoride (F) †	mg/L	0.014	2308027	0.13	2308027	0.13	2308027	0.047	0.010	2308027
Nitrates (N-NO3-)	mg/L	<0.020	2299395	<0.020	2300032	<0.020	2299609	<0.020	0.020	2299609
Nitrites (N-NO2-)	mg/L	<0.020	2299395	<0.020	2300032	<0.020	2299609	<0.020	0.020	2299609
pH	pH	5.98	2299584	6.37	2299591	6.67	2299591	6.35	N/A	2299591
Total Cyanide (CN)	mg/L	<0.0030	2300136	<0.0030	2300136	<0.0030	2300136	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	<0.10	2299576	<0.10	2300036	<0.10	2299610	<0.10	0.10	2299610
Bicarbonates (HCO3 as CaCO3) †	mg/L	23	2299585	39	2299592	33	2299592	15	1.0	2299592
Chloride (Cl)	mg/L	0.31	2299576	0.33	2300036	0.36	2299610	0.34	0.050	2299610
Total Dissolved Solids	mg/L	53	2301339	81	2301339	48	2301339	48	10	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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N/A = Not Applicable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2605		KM2606	KM2606			KM2607		
Sampling Date		2022/06/04 09:40		2022/06/04 17:20	2022/06/04 17:20			2022/06/03 16:25		
COC Number		66402		66402	66402			66402		
	Units	NMX-P08D Lab-Dup	RDL	NMX-P09R	NMX-P09R Lab-Dup	RDL	QC Batch	NMX-P09D	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.032	0.0010	0.22	N/A	0.0010	2299593	0.029	0.0010	2299593
Fluoride (F) †	mg/L	N/A	0.010	0.24	N/A	0.010	2308027	0.021	0.010	2308026
Nitrates (N-NO3-)	mg/L	N/A	0.020	<0.020	<0.020	0.020	2299609	<0.020	0.020	2299609
Nitrites (N-NO2-)	mg/L	N/A	0.020	<0.020	<0.020	0.020	2299609	<0.020	0.020	2299609
pH	pH	6.35	N/A	7.61	N/A	N/A	2299591	5.63	N/A	2299591
Total Cyanide (CN)	mg/L	N/A	0.0030	<0.0030	N/A	0.0030	2300136	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	N/A	0.10	0.27	0.28	0.10	2299610	<0.10	0.10	2299610
Bicarbonates (HCO3 as CaCO3) †	mg/L	15	1.0	71	N/A	1.0	2299592	5.2	1.0	2299592
Chloride (Cl)	mg/L	N/A	0.050	23	23	0.050	2299610	4.2	0.050	2299610
Total Dissolved Solids	mg/L	N/A	10	150	N/A	11	2301464	41	10	2301339

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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Client Project #: 22-0186
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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2608	KM2608		KM2609			KM2610		
Sampling Date		2022/06/04 14:45	2022/06/04 14:45		2022/06/04 13:25			2022/06/04 12:55		
COC Number		66402	66402		66402			66402		
	Units	NMX-P10	NMX-P10 Lab-Dup	QC Batch	NMX-P11	RDL	QC Batch	NMX-P12	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.067	N/A	2299593	0.090	0.0010	2299586	0.068	0.0010	2299586
Fluoride (F) †	mg/L	0.011	0.012	2308026	0.21	0.010	2308026	0.013	0.010	2308027
Nitrates (N-NO3-)	mg/L	0.42	N/A	2299609	0.41	0.020	2299395	0.020	0.020	2299609
Nitrites (N-NO2-)	mg/L	<0.020	N/A	2299609	<0.020	0.020	2299395	<0.020	0.020	2299609
pH	pH	6.32	N/A	2299591	6.18	N/A	2299584	4.71	N/A	2299584
Total Cyanide (CN)	mg/L	<0.0030	N/A	2300135	<0.0030	0.0030	2300135	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	<0.10	N/A	2299610	<0.10	0.10	2299576	<0.10	0.10	2299610
Bicarbonates (HCO3 as CaCO3) †	mg/L	7.2	N/A	2299592	4.6	1.0	2299585	<1.0	1.0	2299585
Chloride (Cl)	mg/L	0.37	N/A	2299610	0.44	0.050	2299576	0.56	0.050	2299610
Total Dissolved Solids	mg/L	69	N/A	2301464	59	11	2301464	43	14	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2611			KM2612	KM2612		
Sampling Date		2022/06/04 15:10			2022/06/04 16:00	2022/06/04 16:00		
COC Number		66402			66402	66402		
	Units	NMX-P13	RDL	QC Batch	NMX-P14	NMX-P14 Lab-Dup	RDL	QC Batch
CONVENTIONALS								
Conductivity	mS/cm	0.027	0.0010	2299586	0.012	N/A	0.0010	2299586
Fluoride (F) †	mg/L	<0.010	0.010	2308026	0.049	N/A	0.010	2308026
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2299609	<0.020	<0.020	0.020	2299395
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2299609	<0.020	<0.020	0.020	2299395
pH	pH	5.36	N/A	2299584	5.53	N/A	N/A	2299584
Total Cyanide (CN)	mg/L	<0.0030	0.0030	2300136	<0.0030	N/A	0.0030	2300135
Bromide (Br-)	mg/L	<0.10	0.10	2299610	<0.10	<0.10	0.10	2299576
Bicarbonates (HCO3 as CaCO3) †	mg/L	7.0	1.0	2299585	2.4	N/A	1.0	2299585
Chloride (Cl)	mg/L	0.76	0.050	2299610	0.18	0.27	0.050	2299576
Total Dissolved Solids	mg/L	38	11	2301464	12	N/A	10	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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Client Project #: 22-0186
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Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2613			KM2614			KM2615		
Sampling Date		2022/06/04 16:30			2022/06/05 13:15			2022/06/05 14:25		
COC Number		66402			66402			66402		
	Units	NMX-P15	RDL	QC Batch	Pz19	RDL	QC Batch	Pz20	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.036	0.0010	2299586	0.033	0.0010	2299586	0.054	0.0010	2299586
Fluoride (F) †	mg/L	0.038	0.010	2308026	0.024	0.010	2308026	0.022	0.010	2308026
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2299395	0.023	0.020	2299395	0.021	0.020	2299395
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2299395	<0.020	0.020	2299395	<0.020	0.020	2299395
pH	pH	6.31	N/A	2299584	6.16	N/A	2299584	6.18	N/A	2299584
Total Cyanide (CN)	mg/L	<0.0030	0.0030	2300136	<0.0030	0.0030	2300135	<0.0030	0.0030	2300136
Bromide (Br-)	mg/L	<0.10	0.10	2299576	<0.10	0.10	2299576	<0.10	0.10	2299576
Bicarbonates (HCO3 as CaCO3) †	mg/L	15	1.0	2299585	14	1.0	2299585	28	1.0	2299585
Chloride (Cl)	mg/L	0.40	0.050	2299576	0.35	0.050	2299576	0.36	0.050	2299576
Total Dissolved Solids	mg/L	47	11	2301464	51	13	2301660	85	12	2301660

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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N/A = Not Applicable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2616	KM2616		KM2617			KM2618		
Sampling Date		2022/06/05 13:45	2022/06/05 13:45		2022/06/05 14:50			2022/06/04 17:30		
COC Number		66402	66402		66402			66402		
	Units	Pz22	Pz22 Lab-Dup	QC Batch	PO20	RDL	QC Batch	PO21	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.070	N/A	2299586	0.13	0.0010	2299586	0.11	0.0010	2299586
Fluoride (F) †	mg/L	0.038	N/A	2308026	0.013	0.010	2308026	0.013	0.010	2308026
Nitrates (N-NO3-)	mg/L	<0.020	N/A	2299395	0.027	0.020	2299395	<0.020	0.020	2299395
Nitrites (N-NO2-)	mg/L	<0.020	N/A	2299395	<0.020	0.020	2299395	<0.020	0.020	2299395
pH	pH	6.11	N/A	2299584	6.40	N/A	2299584	6.39	N/A	2299584
Total Cyanide (CN)	mg/L	<0.0030	<0.0030	2300136	<0.0030	0.0030	2300135	<0.0030	0.0030	2300135
Bromide (Br-)	mg/L	<0.10	N/A	2299576	<0.10	0.10	2299576	<0.10	0.10	2299576
Bicarbonates (HCO3 as CaCO3) †	mg/L	36	N/A	2299585	74	1.0	2299585	56	1.0	2299585
Chloride (Cl)	mg/L	0.43	N/A	2299576	0.38	0.050	2299576	0.59	0.050	2299576
Total Dissolved Solids	mg/L	100	N/A	2301660	130	11	2301660	72	10	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2619			KM2620		
Sampling Date		2022/06/05 15:10			2022/06/04 12:10		
COC Number		66402			66402		
	Units	BLANC DE TERRAIN1 LOT 22MA24-A	RDL	QC Batch	BLANC DE TERRAIN2 LOT 22MA24-A	RDL	QC Batch
CONVENTIONALS							
Conductivity	mS/cm	<0.0010	0.0010	2299586	<0.0010	0.0010	2299586
Fluoride (F) †	mg/L	<0.010	0.010	2308026	<0.010	0.010	2308026
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2299395	<0.020	0.020	2299395
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2299395	<0.020	0.020	2299395
pH	pH	6.18	N/A	2299584	5.97	N/A	2299584
Total Cyanide (CN)	mg/L	<0.0030	0.0030	2300135	<0.0030	0.0030	2300135
Bromide (Br-)	mg/L	<0.10	0.10	2299576	<0.10	0.10	2299576
Bicarbonates (HCO3 as CaCO3) †	mg/L	<1.0	1.0	2299585	<1.0	1.0	2299585
Chloride (Cl)	mg/L	<0.050	0.050	2299576	0.058	0.050	2299576
Total Dissolved Solids	mg/L	<12	12	2301660	<11	11	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2621			KM2622			KM2623		
Sampling Date		2022/06/05 15:00			2022/06/03			2022/06/04		
COC Number		66402			66402			66402		
	Units	BLANC DE TERRAIN3 LOT 22MA24-A	RDL	QC Batch	DUPLICATA 1	RDL	QC Batch	DUPLICATA 2	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	<0.0010	0.0010	2299586	0.081	0.0010	2299593	0.036	0.0010	2299586
Fluoride (F) †	mg/L	<0.010	0.010	2308026	0.12	0.010	2308027	0.14	0.010	2308026
Nitrates (N-NO3-)	mg/L	0.026	0.020	2299395	<0.020	0.020	2299395	0.28	0.020	2299395
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2299395	<0.020	0.020	2299395	<0.020	0.020	2299395
pH	pH	5.69	N/A	2299584	6.31	N/A	2299591	6.07	N/A	2299584
Total Cyanide (CN)	mg/L	<0.0030	0.0030	2300135	<0.0030	0.0030	2300135	<0.0030	0.0030	2300135
Bromide (Br-)	mg/L	<0.10	0.10	2299576	<0.10	0.10	2299576	<0.10	0.10	2299576
Bicarbonates (HCO3 as CaCO3) †	mg/L	<1.0	1.0	2299585	40	1.0	2299592	7.2	1.0	2299585
Chloride (Cl)	mg/L	0.10	0.050	2299576	0.33	0.050	2299576	0.88	0.050	2299576
Total Dissolved Solids	mg/L	<12	12	2301464	81	10	2301339	58	12	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

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Bureau Veritas Job #: C226313
Report Date: 2022/07/06

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KM2624	KM2624			KM2625		
Sampling Date		2022/06/05	2022/06/05			2022/06/05		
COC Number		66402	66402			66402		
	Units	DUPLICATA 3	DUPLICATA 3 Lab-Dup	RDL	QC Batch	BLANC DE TRANSPORT 1 LOT 22MA24-A	RDL	QC Batch
CONVENTIONALS								
Conductivity	mS/cm	0.034	0.033	0.0010	2299586	<0.0010	0.0010	2299593
Fluoride (F) †	mg/L	0.020	N/A	0.010	2308026	<0.010	0.010	2308026
Nitrates (N-NO3-)	mg/L	0.022	N/A	0.020	2299395	<0.020	0.020	2299395
Nitrites (N-NO2-)	mg/L	<0.020	N/A	0.020	2299395	<0.020	0.020	2299395
pH	pH	6.24	6.25	N/A	2299584	6.04	N/A	2299591
Total Cyanide (CN)	mg/L	<0.0030	N/A	0.0030	2300135	<0.0030	0.0030	2300135
Bromide (Br-)	mg/L	<0.10	N/A	0.10	2299576	<0.10	0.10	2299576
Bicarbonates (HCO3 as CaCO3) †	mg/L	15	15	1.0	2299585	<1.0	1.0	2299592
Chloride (Cl)	mg/L	0.28	N/A	0.050	2299576	0.055	0.050	2299576
Total Dissolved Solids	mg/L	35	N/A	11	2301464	<10	10	2301464

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

Bureau Veritas ID		KM2625		
Sampling Date		2022/06/05		
COC Number		66402		
	Units	BLANC DE TRANSPORT 1 LOT 22MA24-A Lab-Dup	RDL	QC Batch
CONVENTIONALS				
Total Cyanide (CN)	mg/L	<0.0030	0.0030	2300135

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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GENERAL COMMENTS

pH in water: Holding time already past upon reception.: KM2599, KM2600, KM2601
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM2602
pH in water: Holding time already past upon reception.: KM2602
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM2603
pH in water: Holding time already past upon reception.: KM2603, KM2604, KM2605, KM2606
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM2607
pH in water: Holding time already past upon reception.: KM2607, KM2608, KM2609, KM2610, KM2611, KM2612, KM2613, KM2616, KM2617, KM2618, KM2620, KM2621
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KM2622
pH in water: Holding time already past upon reception.: KM2622, KM2623, KM2624

HYDROCARBONS BY GCFID (GROUND WATER)

KM2610, KM2614, KM2615, KM2616, KM2617, KM2624:
Sample was treated with an additional clean-up with silica gel, as per client request.

CONVENTIONAL PARAMETERS (GROUND WATER)

Please note that the low level fluoride analysis is sensitive to the presence of polyvalent cations. This may represent a low bias in the result.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2299395	VCH	Spiked Blank	Nitrates (N-NO3-)	2022/06/07		101	%
			Nitrites (N-NO2-)	2022/06/07		102	%
2299395	VCH	Method Blank	Nitrates (N-NO3-)	2022/06/07	<0.020		mg/L
			Nitrites (N-NO2-)	2022/06/07	<0.020		mg/L
2299576	VCH	Spiked Blank	Bromide (Br-)	2022/06/07		100	%
			Chloride (Cl)	2022/06/07		99	%
2299576	VCH	Method Blank	Bromide (Br-)	2022/06/07	<0.10		mg/L
			Chloride (Cl)	2022/06/07	<0.050		mg/L
2299584	LI	Spiked Blank	pH	2022/06/06		102	%
2299585	LI	Spiked Blank	Bicarbonates (HCO3 as CaCO3)	2022/06/06		105	%
2299585	LI	Method Blank	Bicarbonates (HCO3 as CaCO3)	2022/06/06	<1.0		mg/L
2299586	LI	Spiked Blank	Conductivity	2022/06/06		109	%
2299586	LI	Method Blank	Conductivity	2022/06/06	<0.0010		mS/cm
2299591	LI	Spiked Blank	pH	2022/06/06		102	%
2299592	LI	Spiked Blank	Bicarbonates (HCO3 as CaCO3)	2022/06/06		105	%
2299592	LI	Method Blank	Bicarbonates (HCO3 as CaCO3)	2022/06/06	<1.0		mg/L
2299593	LI	Spiked Blank	Conductivity	2022/06/06		102	%
2299593	LI	Method Blank	Conductivity	2022/06/06	<0.0010		mS/cm
2299609	VCH	Spiked Blank	Nitrates (N-NO3-)	2022/06/06		102	%
			Nitrites (N-NO2-)	2022/06/06		101	%
2299609	VCH	Method Blank	Nitrates (N-NO3-)	2022/06/06	<0.020		mg/L
			Nitrites (N-NO2-)	2022/06/06	<0.020		mg/L
2299610	VCH	Spiked Blank	Bromide (Br-)	2022/06/06		101	%
			Chloride (Cl)	2022/06/06		100	%
2299610	VCH	Method Blank	Bromide (Br-)	2022/06/06	<0.10		mg/L
			Chloride (Cl)	2022/06/06	<0.050		mg/L
2299869	BKI	Spiked Blank	Aluminum (Al)	2022/06/10		107	%
			Antimony (Sb)	2022/06/10		115	%
			Silver (Ag)	2022/06/10		103	%
			Arsenic (As)	2022/06/10		108	%
			Barium (Ba)	2022/06/10		108	%
			Beryllium (Be)	2022/06/10		106	%
			Bismuth (Bi)	2022/06/10		104	%
			Boron (B)	2022/06/10		127 (1)	%
			Cadmium (Cd)	2022/06/10		99	%
			Calcium (Ca)	2022/06/10		96	%
			Chromium (Cr)	2022/06/10		102	%
			Cobalt (Co)	2022/06/10		100	%
			Copper (Cu)	2022/06/10		96	%
			Tin (Sn)	2022/06/10		108	%
			Iron (Fe)	2022/06/10		99	%
			Lithium (Li)	2022/06/10		104	%
			Magnesium (Mg)	2022/06/10		100	%
			Manganese (Mn)	2022/06/10		99	%
			Mercury (Hg)	2022/06/10		103	%
			Molybdenum (Mo)	2022/06/10		104	%
			Nickel (Ni)	2022/06/10		99	%
			Phosphorus	2022/06/10		98	%
			Lead (Pb)	2022/06/10		103	%
			Potassium (K)	2022/06/10		99	%
			Selenium (Se)	2022/06/10		101	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Silicon (Si)	2022/06/10		106	%
			Sodium (Na)	2022/06/10		98	%
			Strontium (Sr)	2022/06/10		104	%
			Thallium (Tl)	2022/06/10		100	%
			Titanium (Ti)	2022/06/10		104	%
			Tungsten (W)	2022/06/10		105	%
			Uranium (U)	2022/06/10		104	%
			Vanadium (V)	2022/06/10		101	%
			Zinc (Zn)	2022/06/10		98	%
2299869	BKI	Method Blank	Aluminum (Al)	2022/06/10	<30		ug/L
			Antimony (Sb)	2022/06/10	<3.0		ug/L
			Silver (Ag)	2022/06/10	<0.30		ug/L
			Arsenic (As)	2022/06/10	<0.30		ug/L
			Barium (Ba)	2022/06/10	<20		ug/L
			Beryllium (Be)	2022/06/10	<2.0		ug/L
			Bismuth (Bi)	2022/06/10	<50		ug/L
			Boron (B)	2022/06/10	<50		ug/L
			Cadmium (Cd)	2022/06/10	<1.0		ug/L
			Calcium (Ca)	2022/06/10	<500		ug/L
			Chromium (Cr)	2022/06/10	<5.0		ug/L
			Cobalt (Co)	2022/06/10	<20		ug/L
			Copper (Cu)	2022/06/10	<3.0		ug/L
			Total Hardness (CaCO3)	2022/06/10	<1000		ug/L
			Tin (Sn)	2022/06/10	<50		ug/L
			Iron (Fe)	2022/06/10	<100		ug/L
			Lithium (Li)	2022/06/10	<100		ug/L
			Magnesium (Mg)	2022/06/10	<200		ug/L
			Manganese (Mn)	2022/06/10	<3.0		ug/L
			Mercury (Hg)	2022/06/10	<0.10		ug/L
			Molybdenum (Mo)	2022/06/10	<10		ug/L
			Nickel (Ni)	2022/06/10	<10		ug/L
			Phosphorus	2022/06/10	<10		ug/L
			Lead (Pb)	2022/06/10	<1.0		ug/L
			Potassium (K)	2022/06/10	<200		ug/L
			Selenium (Se)	2022/06/10	<1.0		ug/L
			Silicon (Si)	2022/06/10	<100		ug/L
			Sodium (Na)	2022/06/10	<200		ug/L
			Strontium (Sr)	2022/06/10	<50		ug/L
			Thallium (Tl)	2022/06/10	<10		ug/L
			Titanium (Ti)	2022/06/10	<50		ug/L
			Tungsten (W)	2022/06/10	<10		ug/L
			Uranium (U)	2022/06/10	<2.0		ug/L
			Vanadium (V)	2022/06/10	<10		ug/L
			Zinc (Zn)	2022/06/10	<5.0		ug/L
2299874	BKI	Spiked Blank	Aluminum (Al)	2022/06/11		103	%
			Antimony (Sb)	2022/06/11		116	%
			Silver (Ag)	2022/06/11		102	%
			Arsenic (As)	2022/06/11		106	%
			Barium (Ba)	2022/06/11		110	%
			Beryllium (Be)	2022/06/11		104	%
			Bismuth (Bi)	2022/06/11		103	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Boron (B)	2022/06/11		124 (1)	%
			Cadmium (Cd)	2022/06/11		103	%
			Calcium (Ca)	2022/06/11		96	%
			Chromium (Cr)	2022/06/11		104	%
			Cobalt (Co)	2022/06/11		102	%
			Copper (Cu)	2022/06/11		99	%
			Tin (Sn)	2022/06/11		110	%
			Iron (Fe)	2022/06/11		100	%
			Lithium (Li)	2022/06/11		104	%
			Magnesium (Mg)	2022/06/11		101	%
			Manganese (Mn)	2022/06/11		99	%
			Mercury (Hg)	2022/06/11		104	%
			Molybdenum (Mo)	2022/06/11		105	%
			Nickel (Ni)	2022/06/11		102	%
			Phosphorus	2022/06/11		95	%
			Lead (Pb)	2022/06/11		104	%
			Potassium (K)	2022/06/11		100	%
			Selenium (Se)	2022/06/11		102	%
			Silicon (Si)	2022/06/11		107	%
			Sodium (Na)	2022/06/11		98	%
			Strontium (Sr)	2022/06/11		107	%
			Thallium (Tl)	2022/06/11		100	%
			Titanium (Ti)	2022/06/11		103	%
			Tungsten (W)	2022/06/11		106	%
			Uranium (U)	2022/06/11		104	%
			Vanadium (V)	2022/06/11		103	%
			Zinc (Zn)	2022/06/11		100	%
2299874	BKI	Method Blank	Aluminum (Al)	2022/06/11	<30		ug/L
			Antimony (Sb)	2022/06/11	<3.0		ug/L
			Silver (Ag)	2022/06/11	<0.30		ug/L
			Arsenic (As)	2022/06/11	<0.30		ug/L
			Barium (Ba)	2022/06/11	<20		ug/L
			Beryllium (Be)	2022/06/11	<2.0		ug/L
			Bismuth (Bi)	2022/06/11	<50		ug/L
			Boron (B)	2022/06/11	<50		ug/L
			Cadmium (Cd)	2022/06/11	<1.0		ug/L
			Calcium (Ca)	2022/06/11	<500		ug/L
			Chromium (Cr)	2022/06/11	<5.0		ug/L
			Cobalt (Co)	2022/06/11	<20		ug/L
			Copper (Cu)	2022/06/11	<3.0		ug/L
			Total Hardness (CaCO3)	2022/06/11	<1000		ug/L
			Tin (Sn)	2022/06/11	<50		ug/L
			Iron (Fe)	2022/06/11	<100		ug/L
			Lithium (Li)	2022/06/11	<100		ug/L
			Magnesium (Mg)	2022/06/11	<200		ug/L
			Manganese (Mn)	2022/06/11	<3.0		ug/L
			Mercury (Hg)	2022/06/11	<0.10		ug/L
			Molybdenum (Mo)	2022/06/11	<10		ug/L
			Nickel (Ni)	2022/06/11	<10		ug/L
			Phosphorus	2022/06/11	<10		ug/L
			Lead (Pb)	2022/06/11	<1.0		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Potassium (K)	2022/06/11	<200		ug/L
			Selenium (Se)	2022/06/11	<1.0		ug/L
			Silicon (Si)	2022/06/11	<100		ug/L
			Sodium (Na)	2022/06/11	<200		ug/L
			Strontium (Sr)	2022/06/11	<50		ug/L
			Thallium (Tl)	2022/06/11	<10		ug/L
			Titanium (Ti)	2022/06/11	<50		ug/L
			Tungsten (W)	2022/06/11	<10		ug/L
			Uranium (U)	2022/06/11	<2.0		ug/L
			Vanadium (V)	2022/06/11	<10		ug/L
			Zinc (Zn)	2022/06/11	<5.0		ug/L
2300032	SF5	Spiked Blank	Nitrates (N-NO3-)	2022/06/09		100	%
			Nitrites (N-NO2-)	2022/06/09		101	%
2300032	SF5	Method Blank	Nitrates (N-NO3-)	2022/06/09	<0.020		mg/L
			Nitrites (N-NO2-)	2022/06/09	<0.020		mg/L
2300036	SF5	Spiked Blank	Bromide (Br-)	2022/06/09		99	%
			Chloride (Cl)	2022/06/09		98	%
2300036	SF5	Method Blank	Bromide (Br-)	2022/06/09	<0.10		mg/L
			Chloride (Cl)	2022/06/09	0.052, RDL=0.050		mg/L
2300135	DMI	Spiked Blank	Total Cyanide (CN)	2022/06/08		103	%
2300135	DMI	Method Blank	Total Cyanide (CN)	2022/06/08	<0.0030		mg/L
2300136	DMI	Spiked Blank	Total Cyanide (CN)	2022/06/08		103	%
2300136	DMI	Method Blank	Total Cyanide (CN)	2022/06/08	<0.0030		mg/L
2300612	BKI	Spiked Blank	Aluminum (Al)	2022/06/11		108	%
			Antimony (Sb)	2022/06/11		115	%
			Silver (Ag)	2022/06/11		102	%
			Arsenic (As)	2022/06/11		108	%
			Barium (Ba)	2022/06/11		109	%
			Beryllium (Be)	2022/06/11		106	%
			Bismuth (Bi)	2022/06/11		103	%
			Boron (B)	2022/06/11		127 (1)	%
			Cadmium (Cd)	2022/06/11		103	%
			Calcium (Ca)	2022/06/11		96	%
			Chromium (Cr)	2022/06/11		104	%
			Cobalt (Co)	2022/06/11		102	%
			Copper (Cu)	2022/06/11		98	%
			Tin (Sn)	2022/06/11		109	%
			Iron (Fe)	2022/06/11		99	%
			Lithium (Li)	2022/06/11		105	%
			Magnesium (Mg)	2022/06/11		100	%
			Manganese (Mn)	2022/06/11		99	%
			Mercury (Hg)	2022/06/11		103	%
			Molybdenum (Mo)	2022/06/11		105	%
			Nickel (Ni)	2022/06/11		101	%
			Phosphorus	2022/06/11		98	%
			Lead (Pb)	2022/06/11		103	%
			Potassium (K)	2022/06/11		100	%
			Selenium (Se)	2022/06/11		100	%
			Silicon (Si)	2022/06/11		103	%
			Sodium (Na)	2022/06/11		99	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Strontium (Sr)	2022/06/11		105	%
			Thallium (Tl)	2022/06/11		100	%
			Titanium (Ti)	2022/06/11		101	%
			Tungsten (W)	2022/06/11		105	%
			Uranium (U)	2022/06/11		103	%
			Vanadium (V)	2022/06/11		100	%
			Zinc (Zn)	2022/06/11		100	%
2300612	BKI	Method Blank	Aluminum (Al)	2022/06/11	<30		ug/L
			Antimony (Sb)	2022/06/11	<3.0		ug/L
			Silver (Ag)	2022/06/11	<0.30		ug/L
			Arsenic (As)	2022/06/11	<0.30		ug/L
			Barium (Ba)	2022/06/11	<20		ug/L
			Beryllium (Be)	2022/06/11	<2.0		ug/L
			Bismuth (Bi)	2022/06/11	<50		ug/L
			Boron (B)	2022/06/11	<50		ug/L
			Cadmium (Cd)	2022/06/11	<1.0		ug/L
			Calcium (Ca)	2022/06/11	<500		ug/L
			Chromium (Cr)	2022/06/11	<5.0		ug/L
			Cobalt (Co)	2022/06/11	<20		ug/L
			Copper (Cu)	2022/06/11	<3.0		ug/L
			Total Hardness (CaCO3)	2022/06/11	<1000		ug/L
			Tin (Sn)	2022/06/11	<50		ug/L
			Iron (Fe)	2022/06/11	<100		ug/L
			Lithium (Li)	2022/06/11	<100		ug/L
			Magnesium (Mg)	2022/06/11	<200		ug/L
			Manganese (Mn)	2022/06/11	<3.0		ug/L
			Mercury (Hg)	2022/06/11	<0.10		ug/L
			Molybdenum (Mo)	2022/06/11	<10		ug/L
			Nickel (Ni)	2022/06/11	<10		ug/L
			Phosphorus	2022/06/11	<10		ug/L
			Lead (Pb)	2022/06/11	<1.0		ug/L
			Potassium (K)	2022/06/11	<200		ug/L
			Selenium (Se)	2022/06/11	<1.0		ug/L
			Silicon (Si)	2022/06/11	<100		ug/L
			Sodium (Na)	2022/06/11	<200		ug/L
			Strontium (Sr)	2022/06/11	<50		ug/L
			Thallium (Tl)	2022/06/11	<10		ug/L
			Titanium (Ti)	2022/06/11	<50		ug/L
			Tungsten (W)	2022/06/11	<10		ug/L
			Uranium (U)	2022/06/11	<2.0		ug/L
			Vanadium (V)	2022/06/11	<10		ug/L
			Zinc (Zn)	2022/06/11	<5.0		ug/L
2301103	SMO	Spiked Blank	1-Chlorooctadecane	2022/06/11		69	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/11		81	%
2301103	SMO	Spiked Blank DUP	1-Chlorooctadecane	2022/06/11		61	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/11		72	%
2301103	SMO	Method Blank	1-Chlorooctadecane	2022/06/11		54	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/11	<100		ug/L
2301107	SMO	Spiked Blank	1-Chlorooctadecane	2022/06/13		67	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/13		72	%
2301107	SMO	Spiked Blank DUP	1-Chlorooctadecane	2022/06/13		65	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Petroleum Hydrocarbons (C10-C50)	2022/06/13		71	%
2301107	SMO	Method Blank	1-Chlorooctadecane	2022/06/13		63	%
			Petroleum Hydrocarbons (C10-C50)	2022/06/13	<100		ug/L
2301339	SAT	Spiked Blank	Total Dissolved Solids	2022/06/14		100	%
2301339	SAT	Method Blank	Total Dissolved Solids	2022/06/14	<10		mg/L
2301464	SAT	Spiked Blank	Total Dissolved Solids	2022/06/13		92	%
2301464	SAT	Method Blank	Total Dissolved Solids	2022/06/13	<10		mg/L
2301660	ZZH	Spiked Blank	Total Dissolved Solids	2022/06/13		100	%
2301660	ZZH	Method Blank	Total Dissolved Solids	2022/06/13	<10		mg/L
2306960	BKI	Spiked Blank	Cerium (Ce)	2022/06/29		109	%
			Cesium (Cs)	2022/06/29		103	%
			Dysprosium (Dy)	2022/06/29		105	%
			Erbium (Er)	2022/06/29		104	%
			Europium (Eu)	2022/06/29		103	%
			Gadolinium (Gd)	2022/06/29		111	%
			Holmium (Ho)	2022/06/29		106	%
			Lanthanum (La)	2022/06/29		108	%
			Lutetium (Lu)	2022/06/29		103	%
			Neodymium (Nd)	2022/06/29		108	%
			Praseodymium (Pr)	2022/06/29		106	%
			Rhodium (Rh)	2022/06/29		103	%
			Rubidium (Rb)	2022/06/29		110	%
			Samarium (Sm)	2022/06/29		106	%
			Scandium (Sc)	2022/06/29		107	%
			Terbium (Tb)	2022/06/29		105	%
			Thorium (Th)	2022/06/29		79	%
			Thulium (Tm)	2022/06/29		105	%
			Ytterbium (Yb)	2022/06/29		105	%
			Yttrium (Y)	2022/06/29		108	%
2306960	BKI	Method Blank	Cerium (Ce)	2022/06/29	<0.30		ug/L
			Cesium (Cs)	2022/06/29	<2.0		ug/L
			Dysprosium (Dy)	2022/06/29	<2.0		ug/L
			Erbium (Er)	2022/06/29	<0.50		ug/L
			Europium (Eu)	2022/06/29	<0.40		ug/L
			Gadolinium (Gd)	2022/06/29	<0.50		ug/L
			Holmium (Ho)	2022/06/29	<0.30		ug/L
			Lanthanum (La)	2022/06/29	<0.30		ug/L
			Lutetium (Lu)	2022/06/29	<1.0		ug/L
			Neodymium (Nd)	2022/06/29	<2.0		ug/L
			Praseodymium (Pr)	2022/06/29	<0.40		ug/L
			Rhodium (Rh)	2022/06/29	<0.20		ug/L
			Rubidium (Rb)	2022/06/29	<2.0		ug/L
			Samarium (Sm)	2022/06/29	<2.0		ug/L
			Scandium (Sc)	2022/06/29	<3.0		ug/L
			Terbium (Tb)	2022/06/29	<1.0		ug/L
			Thorium (Th)	2022/06/29	<2.0		ug/L
			Thulium (Tm)	2022/06/29	<0.30		ug/L
			Ytterbium (Yb)	2022/06/29	<3.0		ug/L
			Yttrium (Y)	2022/06/29	<2.0		ug/L
2306975	BKI	Spiked Blank	Cerium (Ce)	2022/06/29		105	%
			Cesium (Cs)	2022/06/29		105	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Dysprosium (Dy)	2022/06/29		106	%
			Erbium (Er)	2022/06/29		104	%
			Europium (Eu)	2022/06/29		102	%
			Gadolinium (Gd)	2022/06/29		105	%
			Holmium (Ho)	2022/06/29		104	%
			Lanthanum (La)	2022/06/29		106	%
			Lutetium (Lu)	2022/06/29		103	%
			Neodymium (Nd)	2022/06/29		105	%
			Praseodymium (Pr)	2022/06/29		106	%
			Rhodium (Rh)	2022/06/29		105	%
			Rubidium (Rb)	2022/06/29		104	%
			Samarium (Sm)	2022/06/29		103	%
			Scandium (Sc)	2022/06/29		105	%
			Terbium (Tb)	2022/06/29		102	%
			Thorium (Th)	2022/06/29		80	%
			Thulium (Tm)	2022/06/29		103	%
			Ytterbium (Yb)	2022/06/29		105	%
			Yttrium (Y)	2022/06/29		106	%
2306975	BKI	Method Blank	Cerium (Ce)	2022/06/29	<0.30		ug/L
			Cesium (Cs)	2022/06/29	<2.0		ug/L
			Dysprosium (Dy)	2022/06/29	<2.0		ug/L
			Erbium (Er)	2022/06/29	<0.50		ug/L
			Europium (Eu)	2022/06/29	<0.40		ug/L
			Gadolinium (Gd)	2022/06/29	<0.50		ug/L
			Holmium (Ho)	2022/06/29	<0.30		ug/L
			Lanthanum (La)	2022/06/29	<0.30		ug/L
			Lutetium (Lu)	2022/06/29	<1.0		ug/L
			Neodymium (Nd)	2022/06/29	<2.0		ug/L
			Praseodymium (Pr)	2022/06/29	<0.40		ug/L
			Rhodium (Rh)	2022/06/29	<0.20		ug/L
			Rubidium (Rb)	2022/06/29	<2.0		ug/L
			Samarium (Sm)	2022/06/29	<2.0		ug/L
			Scandium (Sc)	2022/06/29	<3.0		ug/L
			Terbium (Tb)	2022/06/29	<1.0		ug/L
			Thorium (Th)	2022/06/29	<2.0		ug/L
			Thulium (Tm)	2022/06/29	<0.30		ug/L
			Ytterbium (Yb)	2022/06/29	<3.0		ug/L
			Yttrium (Y)	2022/06/29	<2.0		ug/L
2308026	CLO	Spiked Blank	Fluoride (F)	2022/07/01		101	%
2308026	CLO	Method Blank	Fluoride (F)	2022/07/01	<0.010		mg/L
2308027	CLO	Spiked Blank	Fluoride (F)	2022/07/01		101	%
2308027	CLO	Method Blank	Fluoride (F)	2022/07/01	<0.010		mg/L

RDL = Reportable Detection Limit

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

(1) Recovery or relative percent difference (RPD) for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria

889 Montée de Liesse, Ville St-Laurent, Québec, Canada H4T 1P5 Tel: (514) 448-9001 Fax: (514) 448-9199 Ligne sans frais : 1-877-462-9926

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

<Signature removed>

Membre OCQ #2020-05
Alex Thibert, B.Sc., Chemist, Montréal, Analyst II, Chemist in Training

<Signature removed>

Faouzi Sarsi, B.Sc. Chemist, Montréal, SR Analyst

<Signature removed>

Jonathan Fauvel, B.Sc., Chemist, Montreal, Manager of Inorganics

<Signature removed>

Michelina Cinquino, Analyst II

<Signature removed>

Mira El Masri, M.Sc. Chemist, Montréal, Analyst II

<Signature removed>

Ngoc-Thuy Do, B.Sc., Chemist, Montreal, Analyst 2

<Signature removed>

Shu Yang, B.Sc. Chemist, Montreal, Analyst II

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VALIDATION SIGNATURE PAGE(CONT'D)

The analytical data and all QC contained in this report were reviewed and validated by:

<Signature removed>

Zineb El Ouali
Membre OCQ#2021-051

Zineb El Ouali, M.Sc.,Chemist in training, Analyst II

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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eCOC: Q66402

Expected TAT:	Standard TAT
Expected Arrival:	2022/06/06 17:00
Submitted By:	Rachel Hussherr
Submitted To:	Montréal (Env. Lab)

Invoice Information

Dest.: Comptes payables
Nemaska Lithium Inc.
1250, boul.René-Lévesque Ouest
Suite 2200
Montréal , QC , H3B 4W8
Email to:
payables@nemaskalithium.com
jeannie.marchand@nemaskalithium.com

Report Information

Dest.: Rachel Hussherr
Groupe Synergis
5582
boulevard des Hêtres
Shawinigan , QC , G9N 4W1
Email to:
rhussherr@synergis.ca

Project Information

Quote #:	C20034
PO/AFE#:	
Project #:	22-0186
Site Location:	PO-souterraine

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186
NMX- P01R	1	2022/06/05 11:10	GROUND WATER	7	A
NMX-P01D	2	2022/06/05 11:00	GROUND WATER	7	A
NMX-P02R	3	2022/06/05 09:15	GROUND WATER	7	A
NMX P02D	4	2022/06/05 09:00	GROUND WATER	7	A
NMX-P03R	5	2022/06/05 10:35	GROUND WATER	7	A
NMX-P04R	6	2022/06/05 08:10	GROUND WATER	7	A
NMX-P05R	7	2022/06/04 09:00	GROUND WATER	7	A
NMX-P05D	8	2022/06/04 08:15	GROUND WATER	7	A
NMX-P06R	9	2022/06/04 12:05	GROUND WATER	7	A
NMX-P07D	10	2022/06/03 14:45	GROUND WATER	7	A
NMX-P07R	11	2022/06/03 15:45	GROUND WATER	7	A
NMX -P08R	12	2022/06/04 11:00	GROUND WATER	7	A
NMX-P08D	13	2022/06/04 09:40	GROUND WATER	7	A

06-Jun-22 15:30
Madison Tremblay
C226313

JTU

C226313_COC

Sandra Cook
2022/06/06 - 15:20
Ice-yes
Seal-no
Temp
Cooler

Certificate of Analysis

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978810
Date Submitted: 2022-06-08
Date Reported: 2022-06-15
Project: C226313
COC #: 891585

Dear Madison Tremblay:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

<Signature removed>

Emma-Dawn Ferguson 2022.06.15 13:53:08 -04'00'

APPROVAL: _____

Emma-Dawn Ferguson, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise indicated.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at: http://www.cala.ca/scopes/2602.pdf.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is licensed by the Ontario Ministry of the Environment, Conservation, and Parks (MECP) for specific tests in drinking water (license #2318). A copy of the license is available upon request.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by the Ontario Ministry of Agriculture, Food, and Rural Affairs for specific tests in agricultural soils.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official provincial or federal guideline as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Certificate of Analysis

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978810
Date Submitted: 2022-06-08
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Project: C226313
COC #: 891585

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1629896 GW 2022-06-05 KM2593-NMX-P01R	1629897 GW 2022-06-05 KM2594-NMX-P01D	1629898 GW 2022-06-05 KM2595-NMX-P02R	1629899 GW 2022-06-05 KM2596-NMX-P02D
Redox Potential	REDOX Potential		mV		386	401	405	405

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1629900 GW 2022-06-05 KM2597-NMX-P03R	1629901 GW 2022-06-05 KM2598-NMX-P04R	1629902 GW 2022-06-04 KM2599-NMX-P05R	1629903 GW 2022-06-04 KM2600-NMX-P05D
Redox Potential	REDOX Potential		mV		371	335	393	384

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

eurofins | Environment Testing

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978810
Date Submitted: 2022-06-08
Date Reported: 2022-06-15
Project: C226313
COC #: 891585

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1629904 GW 2022-06-04 KM2601-NMX-P06R	1629905 GW 2022-06-03 KM2602-NMX-P07D	1629906 GW 2022-06-03 KM2603-NMX-P07R	1629907 GW 2022-06-04 KM2604-NMX-P08R
Redox Potential	REDOX Potential		mV		401	409	166.9	203

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1629908 GW 2022-06-04 KM2605-NMX-P08D	1629909 GW 2022-06-04 KM2606-NMX-P09R	1629910 GW 2022-06-03 KM2607-NMX-P09D	1629911 GW 2022-06-04 KM2608-NMX-P10
Redox Potential	REDOX Potential		mV		319	289	272	255

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

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Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
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Date Submitted: 2022-06-08
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Project: C226313
COC #: 891585

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1629912 GW 2022-06-04 KM2609-NMX-P11	1629913 GW 2022-06-04 KM2610-NMX-P12	1629914 GW 2022-06-04 KM2611-NMX-P13	1629915 GW 2022-06-04 KM2612-NMX-P14
Redox Potential	REDOX Potential		mV		256	408	381	362

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978810
Date Submitted: 2022-06-08
Date Reported: 2022-06-15
Project: C226313
COC #: 891585

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 423708 **Analysis/Extraction Date** 2022-06-13 **Analyst** AsA **Method** C SM2580B			
REDOX Potential	225 mV	101	97-103
Run No 423796 **Analysis/Extraction Date** 2022-06-14 **Analyst** AsA **Method** C SM2580B			
REDOX Potential	207 mV	102	97-103

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

eurofins | Environment Testing

Client:	Bureau Veritas Canada (2019) Inc. (Quebec) 2690 Avenue Dalton Sainte-Foy, QC G1P 3S4	Report Number:	1978811
		Date Submitted:	2022-06-08
		Date Reported:	2022-06-15
		Project:	C226313
		COC #:	891586
Attention:	Ms. Madison Tremblay		
PO#:			
Invoice to:	Bureau Veritas Canada (2019) Inc. (Quebec)		

Dear Madison Tremblay:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

<Signature removed>

Emma-Dawn Ferguson 2022.06.15 14:47:39 -04'00'

APPROVAL: _____

Emma-Dawn Ferguson, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise indicated.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at: http://www.cala.ca/scopes/2602.pdf.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is licensed by the Ontario Ministry of the Environment, Conservation, and Parks (MECP) for specific tests in drinking water (license #2318). A copy of the license is available upon request.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by the Ontario Ministry of Agriculture, Food, and Rural Affairs for specific tests in agricultural soils.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official provincial or federal guideline as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Certificate of Analysis

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978811
Date Submitted: 2022-06-08
Date Reported: 2022-06-15
Project: C226313
COC #: 891586

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
					1629916 GW 2022-06-04 KM2613-NMX-P15	1629917 GW 2022-06-05 KM2614-Pz19	1629918 GW 2022-06-05 KM2615-Pz20	1629919 GW 2022-06-05 KM2616-Pz22
Redox Potential	REDOX Potential		mV		356	130.4	150	206

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
					1629920 GW 2022-06-05 KM2617-PO20	1629921 GW 2022-06-04 KM2618-PO21	1629922 GW 2022-06-05 KM2619-BLANC DE TERRAIN1 LOT 22MA24-A	1629923 GW 2022-06-04 KM2620-BLANC DE TERRAIN2 LOT 22MA24-A
Redox Potential	REDOX Potential		mV		133.4	110.9	206	283

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

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Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978811
Date Submitted: 2022-06-08
Date Reported: 2022-06-15
Project: C226313
COC #: 891586

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
					1629924 GW 2022-06-05 KM2621-BLANC DE TERRAIN3 LOT 22MA24-A	1629925 GW 2022-06-03 KM2622-DUPLICATA 1	1629926 GW 2022-06-04 KM2623-DUPLICATA 2	1629927 GW 2022-06-05 KM2624-DUPLICATA 3
Redox Potential	REDOX Potential		mV		279	73.8	196.6	95.1

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					1629928 GW 2022-06-05 KM2625-BLANC DE TRANSPORT 1 LOT 22MA24-A
Redox Potential	REDOX Potential		mV		202

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1978811
Date Submitted: 2022-06-08
Date Reported: 2022-06-15
Project: C226313
COC #: 891586

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 423796 **Analysis/Extraction Date** 2022-06-14 **Analyst** AsA **Method** C SM2580B			
REDOX Potential	207 mV	102	97-103
Run No 423841 **Analysis/Extraction Date** 2022-06-15 **Analyst** MW **Method** C SM2580B			
REDOX Potential	235 mV	101	97-103

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environnement et Lutte contre les changements climatiques
Québec

Certificat d'analyse

Direction de l'analyse chimique
850 boul. Vanier
Laval (Québec) H7C 2M7
Tél.: 450 664-1750
Fax: 450 661-8512

Client: Bureau Veritas Canada (2019) Inc. - Québec
2690, Dalton
Québec (Québec) G1P 3S4

Nom de projet: Maxxam Québec
Responsable: Maxxam Analytics
Téléphone: 418-658-5784
Code projet client:

Date de réception: 8 juin 2022
Numéro de dossier: L059510
Bon de commande:
Code projet CEAEQ: 1161

Numéro de l'échantillon : L059510-01

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2593
Description de prélèvement: NMX- P01R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Sulfates	5,34	mg/l	0,15

Numéro de l'échantillon : L059510-02

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2594
Description de prélèvement: NMX- P01D
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3	Résultat	Unité	LDM
Date d'analyse: 13 juin 2022			
Sulfates	1,31	mg/l	0,15

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Version 1 (1356476)

Certificat d'analyse (suite de l'échantillon numéro : L059510-03)

Numéro de l'échantillon : L059510-03

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2595
Description de prélèvement: NMX- P02R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	2,60	mg/l	0,15

Numéro de l'échantillon : L059510-04

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2596
Description de prélèvement: NMX- P02D
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	6,67	mg/l	0,15

Numéro de l'échantillon : L059510-05

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2597
Description de prélèvement: NMX- P03R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	8,10	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-06)

Numéro de l'échantillon : L059510-06

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2598
Description de prélèvement: NMX- P04R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	9,58	mg/l	0,15

Numéro de l'échantillon : L059510-07

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2599
Description de prélèvement: NMX- P05R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	0,79	mg/l	0,15

Numéro de l'échantillon : L059510-08

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2600
Description de prélèvement: NMX- P05D
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	1,42	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-09)

Numéro de l'échantillon : L059510-09

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2601
Description de prélèvement: NMX- P06R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	5,48	mg/l	0,15

Numéro de l'échantillon : L059510-10

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM2602
Description de prélèvement: NMX- P07D
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	0,30	mg/l	0,15

Numéro de l'échantillon : L059510-11

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM2603
Description de prélèvement: NMX- P07R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	2,05	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-12)

Numéro de l'échantillon : L059510-12

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2604
Description de prélèvement: NMX- P08R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	1,89	mg/l	0,15

Numéro de l'échantillon : L059510-13

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2605
Description de prélèvement: NMX- P08D
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	0,85	mg/l	0,15

Numéro de l'échantillon : L059510-14

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2606
Description de prélèvement: NMX- P09R
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	3,61	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-15)

Numéro de l'échantillon : L059510-15

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM2607
Description de prélèvement: NMX- P09D
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	1,24	mg/l	0,15

Numéro de l'échantillon : L059510-16

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2608
Description de prélèvement: NMX- P10
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	18,9	mg/l	0,15

Numéro de l'échantillon : L059510-17

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2609
Description de prélèvement: NMX- P11
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	21,1	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-18)

Numéro de l'échantillon : L059510-18

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2610
Description de prélèvement: NMX- P12
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	23,1	mg/l	0,15

Numéro de l'échantillon : L059510-19

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2611
Description de prélèvement: NMX- P13
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	3,28	mg/l	0,15

Numéro de l'échantillon : L059510-20

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2612
Description de prélèvement: NMX- P14
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	2,28	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-21)

Numéro de l'échantillon : L059510-21

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2613
Description de prélèvement: NMX- P15
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	1,79	mg/l	0,15

Numéro de l'échantillon : L059510-22

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2614
Description de prélèvement: Pz19
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	0,85	mg/l	0,15

Numéro de l'échantillon : L059510-23

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2615
Description de prélèvement: Pz20
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	1,83	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-24)

Numéro de l'échantillon : L059510-24

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2616
Description de prélèvement: Pz22
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 13 juin 2022	Résultat	Unité	LDM
Sulfates	0,62	mg/l	0,15

Numéro de l'échantillon : L059510-25

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2617
Description de prélèvement: PO20
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L059510-26

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2618
Description de prélèvement: PO21
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	0,25	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-27)

Numéro de l'échantillon : L059510-27

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2619
Description de prélèvement: BLANC DE TERRAIN1 LOT 22MA24-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L059510-28

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2620
Description de prélèvement: BLANC DE TERRAIN2 LOT 22MA24-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L059510-29

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2621
Description de prélèvement: BLANC DE TERRAIN3 LOT 22MA24-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L059510-30)

Numéro de l'échantillon : L059510-30

Préleveur: Client
Date de prélèvement: 3 juin 2022
Description de l'échantillon: KM2622
Description de prélèvement: DUPLICATA 1
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	2,07	mg/l	0,15

Numéro de l'échantillon : L059510-31

Préleveur: Client
Date de prélèvement: 4 juin 2022
Description de l'échantillon: KM2623
Description de prélèvement: DUPLICATA 2
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	5,55	mg/l	0,15

Numéro de l'échantillon : L059510-32

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2624
Description de prélèvement: DUPLICATA 3
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 16 juin 2022	Résultat	Unité	LDM
Sulfates	0,87	mg/l	0,15

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Numéro de l'échantillon : L059510-33

Préleveur: Client
Date de prélèvement: 5 juin 2022
Description de l'échantillon: KM2625
Description de prélèvement: BLANC DE TRANSPORT 1 LOT 22MA24-A
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3	**Résultat**	**Unité**	**LDM**
Date d'analyse: 16 juin 2022			
Sulfates	<0,15	mg/l	0,15

Les résultats ne se rapportent qu'à l'échantillon soumis à l'analyse.

J'atteste avoir formellement constaté ces faits

***Certificat approuvé le* 5 juillet 2022**

<Signature removed>

Joleine Salomon, chimiste
Contaminants inorganiques, Laval

Légende:
ABS: Absence
DNQ: Résultat entre la LDM et la LQM
INT: Interférences - Analyse impossible
ND: Non détecté
ST: Sous-traitance
PR: Présence
RNF: Résultat non disponible
NDR: Détecté - Mais ne satisfait pas le rapport isotopique
TNI: Colonies trop nombreuses pour être identifiées
VR: Voir remarque

Ce certificat ne doit pas être reproduit, sinon en entier, sans le consentement écrit du CEAEQ

Version 1 (1356476)

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: PO-souterraine
Your C.O.C. #: 71700

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/09/12
Report #: R2787861
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C239824
Received: 2022/08/01, 16:00

Sample Matrix: Ground Water
Samples Received: 33

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Alkalinity (pH end point 4.5)	33	N/A	2022/08/02	STL SOP-00038	SM 23 2320-B m
Anions in water (1)	33	N/A	2022/08/03	STL SOP-00014	MA.300–Ions 1.3 R3 m
Pet. Hydrocarbons (C10-C50) in waters	30	2022/08/04	2022/08/05	QUE SOP-00220	MA400–HYD 1.1 R3 m
Pet. Hydrocarbons (C10-C50) in waters	3	2022/08/04	2022/08/06	QUE SOP-00220	MA400–HYD 1.1 R3 m
Total Cyanide (1)	33	2022/08/03	2022/08/03	STL SOP-00035	MA300-CN 1.2 R4 m
Conductivity	33	N/A	2022/08/02	STL SOP-00038	SM 23 2510-B m
Fluoride (Low Level) (2, 5)	33	N/A	N/A	MTL SOP-00038	SM23 4500-F m
Dissolved Elements by ICP-MS (1)	1	N/A	2022/08/10	STL SOP-00071	MA 200-Met 1.2 R7 m
Dissolved Elements by ICP-MS (1)	31	N/A	2022/08/09	STL SOP-00071	MA 200-Met 1.2 R7 m
Dissolved Elements by ICP-MS (1)	1	N/A	2022/09/06	STL SOP-00071	MA 200-Met 1.2 R7 m
Dissolved Metals (filtered by Lab BV)	1	N/A	2022/08/04	QUE SOP-00132	MA.200–Mét. 1.2 R7 m
Dissolved Metals (filtered on site) (1)	1	N/A	2022/08/17	STL SOP-00062	MA.200–Mét. 1.2 R7 m
Dissolved Metals (filtered on site)	25	N/A	2022/08/04	QUE SOP-00132	MA.200–Mét. 1.2 R7 m
Dissolved Metals (filtered on site)	1	N/A	2022/08/05	QUE SOP-00132	MA.200–Mét. 1.2 R7 m
Dissolved Metals (filtered on site)	5	N/A	2022/08/08	QUE SOP-00132	MA.200–Mét. 1.2 R7 m
Nitrates(NO3-), Nitrites(NO2-)-water (1)	33	N/A	2022/08/03	STL SOP-00014	MA.300–Ions 1.3 R3 m
pH in water	33	N/A	2022/08/02	STL SOP-00038	MA.100–pH 1.1 R3 m
Redox Potential (3)	33	N/A	N/A		
Anions (Sulfate) (4)	33	N/A	N/A		
Total Dissolved Solids (1)	3	2022/08/05	2022/08/06	STL SOP-00050	MA.115–S.D. 1.0 R4 m
Total Dissolved Solids (1)	30	2022/08/05	2022/08/08	STL SOP-00050	MA.115–S.D. 1.0 R4 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

Your P.O. #: 1020000153
Your Project #: 22-0186
Site Location: PO-souterraine
Your C.O.C. #: 71700

Attention: Rachel Hussherr

Groupe Synergis
5582
boulevard des Hêtres
Shawinigan, QC
Canada G9N 4W1

Report Date: 2022/09/12
Report #: R2787861
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C239824
Received: 2022/08/01, 16:00

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
Note: RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas - Montréal, 889 Montée de Liesse , Ville St. Laurent, QC, H4T 1P5
(2) This test was performed by Bureau Veritas - Calgary, 4000 19th Street NE , Calgary, AB, T2E 6P8
(3) This test was performed by Eurofins Environment Testing Canada, 146 Colonnade Road, No.8 , Ottawa, ON, K2E 7Y1
(4) This test was performed by CEAEQ-Laval,
(5) Please note that the low level fluoride analysis is sensitive to the presence of polyvalent cations. This may represent a low bias in the result.

Note: All parameters included in the present certificate are accredited by the MELCC unless stated otherwise.

Encryption Key <Signature removed>

Madison Tremblay
Project Manager
12 Sep 2022 16:15:27

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Madison Tremblay, Project Manager
Email: madison.tremblay@bureauveritas.com
Phone# (418)658-5784 Ext:7066426
==========
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.
For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

HYDROCARBONS BY GCFID (GROUND WATER)

Bureau Veritas ID		KS6513	KS6514	KS6515	KS6516	KS6517	KS6518	KS6519		
Sampling Date		2022/07/31	2022/07/31	2022/07/31	2022/07/31	2022/07/31	2022/07/31	2022/07/30		
COC Number		71700	71700	71700	71700	71700	71700	71700		
	Units	NMX- P01R	NMX-P01D	NMX-P02R	NMX P02D	NMX-P03R	NMX-P04R	NMX-P05R	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	280	100	2318841
Surrogate Recovery (%)										
1-Chlorooctadecane	%	100	103	88	96	97	85	94	N/A	2318841

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS6520	KS6521	KS6522	KS6524	KS6525	KS6526		
Sampling Date		2022/07/30	2022/07/29	2022/07/29	2022/07/29	2022/07/30	2022/07/30		
COC Number		71700	71700	71700	71700	71700	71700		
	Units	NMX-P05D	NMX-P06R	NMX-P07D	NMX-P07R	NMX -P08R	NMX-P08D	RDL	QC Batch
PETROLEUM HYDROCARBONS									
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	100	2318841
Surrogate Recovery (%)									
1-Chlorooctadecane	%	90	107	97	97	80	88	N/A	2318841

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS6527	KS6528	KS6529	KS6530	KS6531	KS6532	KS6533		
Sampling Date		2022/07/30	2022/07/30	2022/07/30	2022/07/30	2022/07/30	2022/07/30	2022/07/30		
COC Number		71700	71700	71700	71700	71700	71700	71700		
	Units	NMX-P09R	NMX-P09D	NMX-P10	NMX-P11	NMX-P12	NMX-P13	NMX-P14	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	<100	<100	<100	100	2318911
Surrogate Recovery (%)										
1-Chlorooctadecane	%	87	87	105	105	86	98	101	N/A	2318911

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

HYDROCARBONS BY GCFID (GROUND WATER)

Bureau Veritas ID		KS6534	KS6535	KS6536	KS6537	KS6538	KS6539	KS6568		
Sampling Date		2022/07/30	2022/07/31	2022/07/31	2022/07/31	2022/07/31	2022/07/31	2022/07/29		
COC Number		71700	71700	71700	71700	71700	71700	71700		
	Units	NMX-P15	Pz19	Pz20	Pz22	PO20	PO21	D1	RDL	QC Batch
PETROLEUM HYDROCARBONS										
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	220	620	<100	100	2318911
Surrogate Recovery (%)										
1-Chlorooctadecane	%	80	90	84	68	66	76	70	N/A	2318911

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS6569	KS6570	KS6571	KS6572		
Sampling Date		2022/07/30	2022/07/31	2022/07/31	2022/07/29		
COC Number		71700	71700	71700	71700		
	Units	D2	D3	BLANC DE TRANSPORT1 LOT 22JL21-A	BLANC DE TERRAIN1 LOT 22JL21-A	RDL	QC Batch
PETROLEUM HYDROCARBONS							
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	<100	<100	100	2318911
Surrogate Recovery (%)							
1-Chlorooctadecane	%	84	75	70	66	N/A	2318911

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		KS6578	KS6579		
Sampling Date		2022/07/30	2022/07/31		
COC Number		71700	71700		
	Units	BLANC DE TERRAIN2 LOT 22JL21-A	BLANC DE TERRAIN3 LOT 22JL21-A	RDL	QC Batch
PETROLEUM HYDROCARBONS					
Petroleum Hydrocarbons (C10-C50)	ug/L	<100	<100	100	2318911
Surrogate Recovery (%)					
1-Chlorooctadecane	%	71	65	N/A	2318911

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6513	KS6513		KS6514	KS6514	KS6515		
Sampling Date		2022/07/31	2022/07/31		2022/07/31	2022/07/31	2022/07/31		
COC Number		71700	71700		71700	71700	71700		
	Units	NMX- P01R	NMX-P01R Lab-Dup	QC Batch	NMX-P01D	NMX-P01D Lab-Dup	NMX-P02R	RDL	QC Batch
METALS									
Aluminum (Al) †	ug/L	<30	<30	2319220	970	N/A	<30	30	2319220
Antimony (Sb)	ug/L	<3.0	<3.0	2319220	<3.0	N/A	<3.0	3.0	2319220
Silver (Ag) †	ug/L	<0.30	<0.30	2319220	<0.30	N/A	<0.30	0.30	2319220
Arsenic (As)	ug/L	<0.30	<0.30	2319220	0.36	N/A	0.48	0.30	2319220
Barium (Ba)	ug/L	20	<20	2319220	<20	N/A	<20	20	2319220
Beryllium (Be) †	ug/L	<2.0	<2.0	2319220	<2.0	N/A	<2.0	2.0	2319220
Bismuth (Bi) †	ug/L	<50	<50	2319220	<50	N/A	<50	50	2319220
Boron (B)	ug/L	<50	<50	2319220	<50	N/A	<50	50	2319220
Cadmium (Cd)	ug/L	<1.0	<1.0	2319220	<1.0	N/A	<1.0	1.0	2319220
Calcium (Ca)	ug/L	4900	4600	2319220	1400	N/A	11000	500	2319220
Chromium (Cr)	ug/L	<5.0	<5.0	2319220	<5.0	N/A	<5.0	5.0	2319220
Cobalt (Co)	ug/L	<20	<20	2319220	<20	N/A	<20	20	2319220
Copper (Cu)	ug/L	5.7	5.7	2319220	83	N/A	8.0	3.0	2319220
Total Hardness (CaCO3) †	ug/L	15000	14000	2319220	4900	N/A	32000	1000	2319220
Tin (Sn) †	ug/L	<50	<50	2319220	<50	N/A	<50	50	2319220
Iron (Fe)	ug/L	<100	<100	2319220	770	N/A	<100	100	2319220
Lithium (Li) †	ug/L	<100	<100	2319220	<100	N/A	<100	100	2319220
Magnesium (Mg)	ug/L	620	620	2319220	330	N/A	1400	200	2319220
Manganese (Mn)	ug/L	5.3	5.4	2319220	89	N/A	77	3.0	2319220
Mercury (Hg)	ug/L	<0.10	<0.10	2319220	<0.10	N/A	<0.10	0.10	2319220
Molybdenum (Mo)	ug/L	<10	<10	2319220	<10	N/A	<10	10	2319220
Nickel (Ni)	ug/L	<10	<10	2319220	35	N/A	<10	10	2319220
Phosphorus	ug/L	<10	<10	2319220	13	N/A	<10	10	2319220
Lead (Pb)	ug/L	<1.0	<1.0	2319220	<1.0	N/A	<1.0	1.0	2319220
Potassium (K) †	ug/L	360	360	2319220	610	N/A	1700	200	2319220
Selenium (Se)	ug/L	<1.0	<1.0	2319220	<1.0	N/A	<1.0	1.0	2319220
Silicon (Si) †	ug/L	6000	6200	2319220	7000	N/A	6600	100	2319220
Sodium (Na)	ug/L	1500	1500	2319220	13000	N/A	2700	200	2319220
Strontium (Sr) †	ug/L	<50	<50	2319220	<50	N/A	<50	50	2319220
Thallium (Tl) †	ug/L	<10	<10	2319220	<10	N/A	<10	10	2319220
Titanium (Ti) †	ug/L	<50	<50	2319220	<50	N/A	<50	50	2319220

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable
N/A = Not Applicable

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6513	KS6513		KS6514	KS6514	KS6515		
Sampling Date		2022/07/31	2022/07/31		2022/07/31	2022/07/31	2022/07/31		
COC Number		71700	71700		71700	71700	71700		
	Units	NMX- P01R	NMX-P01R Lab-Dup	QC Batch	NMX-P01D	NMX-P01D Lab-Dup	NMX-P02R	RDL	QC Batch
Tungsten (W) †	ug/L	<10	<10	2319220	84	N/A	150	10	2319220
Uranium (U)	ug/L	<2.0	<2.0	2319220	<2.0	N/A	2.5	2.0	2319220
Vanadium (V) †	ug/L	<10	<10	2319220	<10	N/A	<10	10	2319220
Zinc (Zn)	ug/L	11	10	2319220	8.6	N/A	<5.0	5.0	2319220
METALS ICP-MS									
Cerium (Ce) †	ug/L	<0.30	<0.30	2320035	3.7	3.6	1.5	0.30	2320033
Cesium (Cs) †	ug/L	<2.0	<2.0	2320035	<2.0	<2.0	<2.0	2.0	2320033
Dysprosium (Dy) †	ug/L	<2.0	<2.0	2320035	<2.0	<2.0	<2.0	2.0	2320033
Erbium (Er) †	ug/L	<0.50	<0.50	2320035	<0.50	<0.50	<0.50	0.50	2320033
Europium (Eu) †	ug/L	<0.40	<0.40	2320035	<0.40	<0.40	<0.40	0.40	2320033
Gadolinium (Gd) †	ug/L	<0.50	<0.50	2320035	<0.50	<0.50	<0.50	0.50	2320033
Holmium (Ho) †	ug/L	<0.30	<0.30	2320035	<0.30	<0.30	<0.30	0.30	2320033
Lanthanum (La) †	ug/L	<0.30	<0.30	2320035	1.6	1.6	1.1	0.30	2320033
Lutetium (Lu) †	ug/L	<1.0	<1.0	2320035	<1.0	<1.0	<1.0	1.0	2320033
Neodymium (Nd) †	ug/L	<2.0	<2.0	2320035	<2.0	<2.0	<2.0	2.0	2320033
Praseodymium (Pr) †	ug/L	<0.40	<0.40	2320035	0.41	0.41	<0.40	0.40	2320033
Rhodium (Rh) †	ug/L	<0.20	<0.20	2320035	<0.20	<0.20	<0.20	0.20	2320033
Rubidium (Rb) †	ug/L	2.3	2.5	2320035	2.6	2.6	4.4	2.0	2320033
Samarium (Sm) †	ug/L	<2.0	<2.0	2320035	<2.0	<2.0	<2.0	2.0	2320033
Scandium (Sc) †	ug/L	<3.0	<3.0	2320035	<3.0	<3.0	<3.0	3.0	2320033
Terbium (Tb) †	ug/L	<1.0	<1.0	2320035	<1.0	<1.0	<1.0	1.0	2320033
Thorium (Th) †	ug/L	<2.0	<2.0	2320035	<2.0	<2.0	<2.0	2.0	2320033
Thulium (Tm) †	ug/L	<0.30	<0.30	2320035	<0.30	<0.30	<0.30	0.30	2320033
Ytterbium (Yb) †	ug/L	<3.0	<3.0	2320035	<3.0	<3.0	<3.0	3.0	2320033
Yttrium (Y) †	ug/L	<2.0	<2.0	2320035	<2.0	<2.0	<2.0	2.0	2320033

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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N/A = Not Applicable

Bureau Veritas 2690, Avenue Dalton, Sainte-Foy, Québec G1P 3S4 Tél.: (418) 658-5784 Télécopieur: (418) 658-6594

Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6516		KS6517		KS6518		KS6519	KS6520		
Sampling Date		2022/07/31		2022/07/31		2022/07/31		2022/07/30	2022/07/30		
COC Number		71700		71700		71700		71700	71700		
	Units	NMX P02D	QC Batch	NMX-P03R	QC Batch	NMX-P04R	QC Batch	NMX-P05R	NMX-P05D	RDL	QC Batch
METALS											
Aluminum (Al) †	ug/L	120	2318132	<30	2319220	77	2319220	310	220	30	2319220
Antimony (Sb)	ug/L	N/A	N/A	<3.0	2319220	<3.0	2319220	<3.0	<3.0	3.0	2319220
Silver (Ag) †	ug/L	<0.30	2318132	<0.30	2319220	<0.30	2319220	<0.30	<0.30	0.30	2319220
Arsenic (As)	ug/L	<0.30	2318132	0.73	2319220	<0.30	2319220	<0.30	0.80	0.30	2319220
Barium (Ba)	ug/L	<20	2318132	<20	2319220	<20	2319220	<20	21	20	2319220
Beryllium (Be) †	ug/L	N/A	N/A	<2.0	2319220	<2.0	2319220	<2.0	<2.0	2.0	2319220
Bismuth (Bi) †	ug/L	N/A	N/A	<50	2319220	<50	2319220	<50	<50	50	2319220
Boron (B)	ug/L	N/A	N/A	<50	2319220	<50	2319220	<50	<50	50	2319220
Cadmium (Cd)	ug/L	<1.0	2318132	<1.0	2319220	<1.0	2319220	<1.0	<1.0	1.0	2319220
Calcium (Ca)	ug/L	N/A	N/A	20000	2319220	21000	2319220	3900	9500	500	2319220
Chromium (Cr)	ug/L	N/A	N/A	<5.0	2319220	<5.0	2319220	<5.0	<5.0	5.0	2319220
Cobalt (Co)	ug/L	<20	2318132	<20	2319220	<20	2319220	<20	<20	20	2319220
Copper (Cu)	ug/L	10	2318132	<3.0	2319220	<3.0	2319220	<3.0	6.6	3.0	2319220
Total Hardness (CaCO3) †	ug/L	N/A	N/A	58000	2319220	58000	2319220	12000	26000	1000	2319220
Tin (Sn) †	ug/L	N/A	N/A	<50	2319220	<50	2319220	<50	<50	50	2319220
Iron (Fe)	ug/L	N/A	N/A	<100	2319220	190	2319220	<100	3700	100	2319220
Lithium (Li) †	ug/L	N/A	N/A	<100	2319220	<100	2319220	<100	<100	100	2319220
Magnesium (Mg)	ug/L	N/A	N/A	2000	2319220	1700	2319220	490	640	200	2319220
Manganese (Mn)	ug/L	8.2	2318132	35	2319220	45	2319220	25	280	3.0	2319220
Mercury (Hg)	ug/L	<0.10	2318132	<0.10	2319220	<0.10	2319220	<0.10	<0.10	0.10	2319220
Molybdenum (Mo)	ug/L	<10	2318132	13	2319220	18	2319220	<10	<10	10	2319220
Nickel (Ni)	ug/L	<10	2318132	<10	2319220	<10	2319220	<10	15	10	2319220
Phosphorus	ug/L	N/A	N/A	20	2319220	10	2319220	<10	<10	10	2319220
Lead (Pb)	ug/L	<1.0	2318132	<1.0	2319220	<1.0	2319220	<1.0	<1.0	1.0	2319220
Potassium (K) †	ug/L	N/A	N/A	2300	2319220	1000	2319220	260	510	200	2319220
Selenium (Se)	ug/L	<1.0	2318132	<1.0	2319220	<1.0	2319220	<1.0	<1.0	1.0	2319220
Silicon (Si) †	ug/L	N/A	N/A	7400	2319220	7100	2319220	4500	7000	100	2319220
Sodium (Na)	ug/L	1000	2318132	11000	2319220	6700	2319220	880	2300	200	2319220
Strontium (Sr) †	ug/L	N/A	N/A	81	2319220	96	2319220	<50	<50	50	2319220
Thallium (Tl) †	ug/L	N/A	N/A	<10	2319220	<10	2319220	<10	<10	10	2319220
Titanium (Ti) †	ug/L	N/A	N/A	<50	2319220	<50	2319220	<50	<50	50	2319220

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6516		KS6517		KS6518		KS6519	KS6520		
Sampling Date		2022/07/31		2022/07/31		2022/07/31		2022/07/30	2022/07/30		
COC Number		71700		71700		71700		71700	71700		
	Units	NMX P02D	QC Batch	NMX-P03R	QC Batch	NMX-P04R	QC Batch	NMX-P05R	NMX-P05D	RDL	QC Batch
Tungsten (W) †	ug/L	N/A	N/A	19	2319220	<10	2319220	<10	22	10	2319220
Uranium (U)	ug/L	N/A	N/A	5.0	2319220	2.2	2319220	<2.0	<2.0	2.0	2319220
Vanadium (V) †	ug/L	N/A	N/A	<10	2319220	<10	2319220	<10	<10	10	2319220
Zinc (Zn)	ug/L	29	2318132	<5.0	2319220	<5.0	2319220	<5.0	<5.0	5.0	2319220
METALS ICP-MS											
Cerium (Ce) †	ug/L	2.4	2320033	<0.30	2320035	<0.30	2320033	1.4	3.4	0.30	2320035
Cesium (Cs) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	<2.0	2.0	2320035
Dysprosium (Dy) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	<2.0	2.0	2320035
Erbium (Er) †	ug/L	<0.50	2320033	<0.50	2320035	<0.50	2320033	<0.50	<0.50	0.50	2320035
Europium (Eu) †	ug/L	<0.40	2320033	<0.40	2320035	<0.40	2320033	<0.40	<0.40	0.40	2320035
Gadolinium (Gd) †	ug/L	<0.50	2320033	<0.50	2320035	<0.50	2320033	<0.50	<0.50	0.50	2320035
Holmium (Ho) †	ug/L	<0.30	2320033	<0.30	2320035	<0.30	2320033	<0.30	<0.30	0.30	2320035
Lanthanum (La) †	ug/L	1.8	2320033	<0.30	2320035	<0.30	2320033	0.70	1.4	0.30	2320035
Lutetium (Lu) †	ug/L	<1.0	2320033	<1.0	2320035	<1.0	2320033	<1.0	<1.0	1.0	2320035
Neodymium (Nd) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	<2.0	2.0	2320035
Praseodymium (Pr) †	ug/L	<0.40	2320033	<0.40	2320035	<0.40	2320033	<0.40	<0.40	0.40	2320035
Rhodium (Rh) †	ug/L	<0.20	2320033	<0.20	2320035	<0.20	2320033	<0.20	<0.20	0.20	2320035
Rubidium (Rb) †	ug/L	2.1	2320033	4.2	2320035	2.9	2320033	<2.0	2.8	2.0	2320035
Samarium (Sm) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	<2.0	2.0	2320035
Scandium (Sc) †	ug/L	<3.0	2320033	<3.0	2320035	<3.0	2320033	<3.0	<3.0	3.0	2320035
Terbium (Tb) †	ug/L	<1.0	2320033	<1.0	2320035	<1.0	2320033	<1.0	<1.0	1.0	2320035
Thorium (Th) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	<2.0	2.0	2320035
Thulium (Tm) †	ug/L	<0.30	2320033	<0.30	2320035	<0.30	2320033	<0.30	<0.30	0.30	2320035
Ytterbium (Yb) †	ug/L	<3.0	2320033	<3.0	2320035	<3.0	2320033	<3.0	<3.0	3.0	2320035
Yttrium (Y) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	2.9	2.8	2.0	2320035

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6521		KS6522		KS6524		KS6525	KS6526		
Sampling Date		2022/07/29		2022/07/29		2022/07/29		2022/07/30	2022/07/30		
COC Number		71700		71700		71700		71700	71700		
	Units	NMX-P06R	QC Batch	NMX-P07D	QC Batch	NMX-P07R	QC Batch	NMX -P08R	NMX-P08D	RDL	QC Batch
METALS											
Aluminum (Al) †	ug/L	240	2319220	98	2319220	380	2319220	<30	40	30	2319220
Antimony (Sb)	ug/L	<3.0	2319220	<3.0	2319220	<3.0	2319220	<3.0	<3.0	3.0	2319220
Silver (Ag) †	ug/L	<0.30	2319220	<0.30	2319220	<0.30	2319220	<0.30	<0.30	0.30	2319220
Arsenic (As)	ug/L	<0.30	2319220	1.5	2319220	0.81	2319220	0.49	<0.30	0.30	2319220
Barium (Ba)	ug/L	<20	2319220	<20	2319220	<20	2319220	<20	<20	20	2319220
Beryllium (Be) †	ug/L	<2.0	2319220	<2.0	2319220	<2.0	2319220	<2.0	<2.0	2.0	2319220
Bismuth (Bi) †	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	<50	50	2319220
Boron (B)	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	<50	50	2319220
Cadmium (Cd)	ug/L	<1.0	2319220	<1.0	2319220	<1.0	2319220	<1.0	<1.0	1.0	2319220
Calcium (Ca)	ug/L	3900	2319220	8700	2319220	3000	2319220	17000	4200	500	2319220
Chromium (Cr)	ug/L	<5.0	2319220	<5.0	2319220	<5.0	2319220	<5.0	<5.0	5.0	2319220
Cobalt (Co)	ug/L	<20	2319220	<20	2319220	<20	2319220	<20	<20	20	2319220
Copper (Cu)	ug/L	8.5	2319220	<3.0	2319220	<3.0	2319220	<3.0	<3.0	3.0	2319220
Total Hardness (CaCO3) †	ug/L	23000	2319220	27000	2319220	11000	2319220	48000	13000	1000	2319220
Tin (Sn) †	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	<50	50	2319220
Iron (Fe)	ug/L	<100	2319220	8200	2319220	12000	2319220	310	1800	100	2319220
Lithium (Li) †	ug/L	<100	2319220	<100	2319220	<100	2319220	<100	<100	100	2319220
Magnesium (Mg)	ug/L	3300	2319220	1300	2319220	770	2319220	1300	490	200	2319220
Manganese (Mn)	ug/L	6.3	2319220	190	2319220	150	2319220	42	370	3.0	2319220
Mercury (Hg)	ug/L	<0.10	2319220	<0.10	2319220	<0.10	2319220	<0.10	<0.10	0.10	2319220
Molybdenum (Mo)	ug/L	<10	2319220	<10	2319220	<10	2319220	22	<10	10	2319220
Nickel (Ni)	ug/L	<10	2319220	<10	2319220	21	2319220	<10	<10	10	2319220
Phosphorus	ug/L	18	2319220	<10	2319220	<10	2319220	<10	<10	10	2319220
Lead (Pb)	ug/L	<1.0	2319220	<1.0	2319220	<1.0	2319220	<1.0	<1.0	1.0	2319220
Potassium (K) †	ug/L	2100	2319220	1500	2319220	1200	2319220	2300	450	200	2319220
Selenium (Se)	ug/L	<1.0	2319220	<1.0	2319220	<1.0	2319220	<1.0	<1.0	1.0	2319220
Silicon (Si) †	ug/L	6600	2319220	10000	2319220	6800	2319220	6500	5600	100	2319220
Sodium (Na)	ug/L	2300	2319220	2400	2319220	1200	2319220	14000	1200	200	2319220
Strontium (Sr) †	ug/L	<50	2319220	<50	2319220	<50	2319220	110	<50	50	2319220
Thallium (Tl) †	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	<10	10	2319220
Titanium (Ti) †	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	<50	50	2319220
Tungsten (W) †	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	<10	10	2319220

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Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6521		KS6522		KS6524		KS6525	KS6526		
Sampling Date		2022/07/29		2022/07/29		2022/07/29		2022/07/30	2022/07/30		
COC Number		71700		71700		71700		71700	71700		
	Units	NMX-P06R	QC Batch	NMX-P07D	QC Batch	NMX-P07R	QC Batch	NMX -P08R	NMX-P08D	RDL	QC Batch
Uranium (U)	ug/L	<2.0	2319220	<2.0	2319220	<2.0	2319220	18	<2.0	2.0	2319220
Vanadium (V) †	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	<10	10	2319220
Zinc (Zn)	ug/L	190	2319220	6.5	2319220	<5.0	2319220	<5.0	<5.0	5.0	2319220
METALS ICP-MS											
Cerium (Ce) †	ug/L	3.5	2320035	12	2320033	6.7	2320651	0.43	5.0	0.30	2320035
Cesium (Cs) †	ug/L	<2.0	2320035	2.1	2320033	<2.0	2320651	<2.0	<2.0	2.0	2320035
Dysprosium (Dy) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	2320651	<2.0	<2.0	2.0	2320035
Erbium (Er) †	ug/L	0.94	2320035	<0.50	2320033	<0.50	2320651	<0.50	<0.50	0.50	2320035
Europium (Eu) †	ug/L	<0.40	2320035	<0.40	2320033	<0.40	2320651	<0.40	<0.40	0.40	2320035
Gadolinium (Gd) †	ug/L	2.2	2320035	0.64	2320033	<0.50	2320651	<0.50	<0.50	0.50	2320035
Holmium (Ho) †	ug/L	0.33	2320035	<0.30	2320033	<0.30	2320651	<0.30	<0.30	0.30	2320035
Lanthanum (La) †	ug/L	1.4	2320035	5.3	2320033	3.7	2320651	<0.30	2.2	0.30	2320035
Lutetium (Lu) †	ug/L	<1.0	2320035	<1.0	2320033	<1.0	2320651	<1.0	<1.0	1.0	2320035
Neodymium (Nd) †	ug/L	3.1	2320035	6.1	2320033	3.0	2320651	<2.0	<2.0	2.0	2320035
Praseodymium (Pr) †	ug/L	0.62	2320035	1.5	2320033	0.81	2320651	<0.40	0.44	0.40	2320035
Rhodium (Rh) †	ug/L	<0.20	2320035	<0.20	2320033	<0.20	2320651	<0.20	<0.20	0.20	2320035
Rubidium (Rb) †	ug/L	7.4	2320035	7.4	2320033	8.0	2320651	4.0	2.7	2.0	2320035
Samarium (Sm) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	2320651	<2.0	<2.0	2.0	2320035
Scandium (Sc) †	ug/L	<3.0	2320035	<3.0	2320033	<3.0	2320651	<3.0	<3.0	3.0	2320035
Terbium (Tb) †	ug/L	<1.0	2320035	<1.0	2320033	<1.0	2320651	<1.0	<1.0	1.0	2320035
Thorium (Th) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	2320651	<2.0	<2.0	2.0	2320035
Thulium (Tm) †	ug/L	<0.30	2320035	<0.30	2320033	<0.30	2320651	<0.30	<0.30	0.30	2320035
Ytterbium (Yb) †	ug/L	<3.0	2320035	<3.0	2320033	<3.0	2320651	<3.0	<3.0	3.0	2320035
Yttrium (Y) †	ug/L	15	2320035	<2.0	2320033	<2.0	2320651	<2.0	<2.0	2.0	2320035

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6527		KS6528		KS6529		KS6530		
Sampling Date		2022/07/30		2022/07/30		2022/07/30		2022/07/30		
COC Number		71700		71700		71700		71700		
	Units	NMX-P09R	QC Batch	NMX-P09D	QC Batch	NMX-P10	QC Batch	NMX-P11	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	<30	2319220	71	2319220	<30	2319220	77	30	2319220
Antimony (Sb)	ug/L	<3.0	2319220	<3.0	2319220	<3.0	2319220	<3.0	3.0	2319220
Silver (Ag) †	ug/L	<0.30	2319220	<0.30	2319220	<0.30	2319220	<0.30	0.30	2319220
Arsenic (As)	ug/L	0.86	2319220	1.1	2319220	<0.30	2319220	<0.30	0.30	2319220
Barium (Ba)	ug/L	<20	2319220	<20	2319220	<20	2319220	22	20	2319220
Beryllium (Be) †	ug/L	<2.0	2319220	<2.0	2319220	<2.0	2319220	<2.0	2.0	2319220
Bismuth (Bi) †	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	50	2319220
Boron (B)	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	50	2319220
Cadmium (Cd)	ug/L	<1.0	2319220	<1.0	2319220	<1.0	2319220	<1.0	1.0	2319220
Calcium (Ca)	ug/L	31000	2319220	2400	2319220	7200	2319220	8400	500	2319220
Chromium (Cr)	ug/L	<5.0	2319220	<5.0	2319220	<5.0	2319220	<5.0	5.0	2319220
Cobalt (Co)	ug/L	<20	2319220	<20	2319220	<20	2319220	<20	20	2319220
Copper (Cu)	ug/L	<3.0	2319220	<3.0	2319220	3.6	2319220	4.2	3.0	2319220
Total Hardness (CaCO3) †	ug/L	94000	2319220	10000	2319220	23000	2319220	25000	1000	2319220
Tin (Sn) †	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	50	2319220
Iron (Fe)	ug/L	110	2319220	3300	2319220	<100	2319220	<100	100	2319220
Lithium (Li) †	ug/L	<100	2319220	<100	2319220	<100	2319220	<100	100	2319220
Magnesium (Mg)	ug/L	3800	2319220	990	2319220	1300	2319220	930	200	2319220
Manganese (Mn)	ug/L	87	2319220	24	2319220	9.6	2319220	12	3.0	2319220
Mercury (Hg)	ug/L	<0.10	2319220	<0.10	2319220	<0.10	2319220	<0.10	0.10	2319220
Molybdenum (Mo)	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	10	2319220
Nickel (Ni)	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	10	2319220
Phosphorus	ug/L	<10	2319220	12	2319220	<10	2319220	17	10	2319220
Lead (Pb)	ug/L	<1.0	2319220	<1.0	2319220	<1.0	2319220	<1.0	1.0	2319220
Potassium (K) †	ug/L	2400	2319220	310	2319220	600	2319220	1100	200	2319220
Selenium (Se)	ug/L	<1.0	2319220	<1.0	2319220	<1.0	2319220	<1.0	1.0	2319220
Silicon (Si) †	ug/L	9700	2319220	5500	2319220	5400	2319220	6400	100	2319220
Sodium (Na)	ug/L	5400	2319220	1300	2319220	3800	2319220	2100	200	2319220
Strontium (Sr) †	ug/L	130	2319220	<50	2319220	64	2319220	<50	50	2319220
Thallium (Tl) †	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	10	2319220
Titanium (Ti) †	ug/L	<50	2319220	<50	2319220	<50	2319220	<50	50	2319220
Tungsten (W) †	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	10	2319220

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6527		KS6528		KS6529		KS6530		
Sampling Date		2022/07/30		2022/07/30		2022/07/30		2022/07/30		
COC Number		71700		71700		71700		71700		
	Units	NMX-P09R	QC Batch	NMX-P09D	QC Batch	NMX-P10	QC Batch	NMX-P11	RDL	QC Batch
Uranium (U)	ug/L	3.4	2319220	<2.0	2319220	<2.0	2319220	<2.0	2.0	2319220
Vanadium (V) †	ug/L	<10	2319220	<10	2319220	<10	2319220	<10	10	2319220
Zinc (Zn)	ug/L	<5.0	2319220	<5.0	2319220	<5.0	2319220	10	5.0	2319220
METALS ICP-MS										
Cerium (Ce) †	ug/L	<0.30	2320033	7.4	2320035	0.73	2320033	2.1	0.30	2320035
Cesium (Cs) †	ug/L	2.9	2320033	<2.0	2320035	<2.0	2320033	8.0	2.0	2320035
Dysprosium (Dy) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	2.0	2320035
Erbium (Er) †	ug/L	<0.50	2320033	<0.50	2320035	<0.50	2320033	<0.50	0.50	2320035
Europium (Eu) †	ug/L	<0.40	2320033	<0.40	2320035	<0.40	2320033	<0.40	0.40	2320035
Gadolinium (Gd) †	ug/L	<0.50	2320033	<0.50	2320035	<0.50	2320033	<0.50	0.50	2320035
Holmium (Ho) †	ug/L	<0.30	2320033	<0.30	2320035	<0.30	2320033	<0.30	0.30	2320035
Lanthanum (La) †	ug/L	<0.30	2320033	1.2	2320035	1.5	2320033	2.4	0.30	2320035
Lutetium (Lu) †	ug/L	<1.0	2320033	<1.0	2320035	<1.0	2320033	<1.0	1.0	2320035
Neodymium (Nd) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	2.0	2320035
Praseodymium (Pr) †	ug/L	<0.40	2320033	<0.40	2320035	<0.40	2320033	0.50	0.40	2320035
Rhodium (Rh) †	ug/L	<0.20	2320033	<0.20	2320035	<0.20	2320033	<0.20	0.20	2320035
Rubidium (Rb) †	ug/L	4.5	2320033	<2.0	2320035	2.5	2320033	5.5	2.0	2320035
Samarium (Sm) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	2.0	2320035
Scandium (Sc) †	ug/L	<3.0	2320033	<3.0	2320035	<3.0	2320033	<3.0	3.0	2320035
Terbium (Tb) †	ug/L	<1.0	2320033	<1.0	2320035	<1.0	2320033	<1.0	1.0	2320035
Thorium (Th) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	2.0	2320035
Thulium (Tm) †	ug/L	<0.30	2320033	<0.30	2320035	<0.30	2320033	<0.30	0.30	2320035
Ytterbium (Yb) †	ug/L	<3.0	2320033	<3.0	2320035	<3.0	2320033	<3.0	3.0	2320035
Yttrium (Y) †	ug/L	<2.0	2320033	<2.0	2320035	<2.0	2320033	<2.0	2.0	2320035

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QC Batch = Quality Control Batch
† Parameter is not accreditable

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6531	KS6532	KS6533		KS6534	KS6535		
Sampling Date		2022/07/30	2022/07/30	2022/07/30		2022/07/30	2022/07/31		
COC Number		71700	71700	71700		71700	71700		
	Units	NMX-P12	NMX-P13	NMX-P14	QC Batch	NMX-P15	Pz19	RDL	QC Batch
METALS									
Aluminum (Al) †	ug/L	290	<30	98	2319220	<30	110	30	2319226
Antimony (Sb)	ug/L	<3.0	<3.0	<3.0	2319220	<3.0	<3.0	3.0	2319226
Silver (Ag) †	ug/L	<0.30	<0.30	<0.30	2319220	<0.30	<0.30	0.30	2319226
Arsenic (As)	ug/L	<0.30	<0.30	<0.30	2319220	<0.30	0.50	0.30	2319226
Barium (Ba)	ug/L	21	22	<20	2319220	<20	<20	20	2319226
Beryllium (Be) †	ug/L	<2.0	<2.0	<2.0	2319220	<2.0	<2.0	2.0	2319226
Bismuth (Bi) †	ug/L	<50	<50	<50	2319220	<50	<50	50	2319226
Boron (B)	ug/L	<50	<50	<50	2319220	<50	<50	50	2319226
Cadmium (Cd)	ug/L	<1.0	<1.0	<1.0	2319220	<1.0	<1.0	1.0	2319226
Calcium (Ca)	ug/L	3200	2000	520	2319220	3600	1200	500	2319226
Chromium (Cr)	ug/L	<5.0	<5.0	<5.0	2319220	<5.0	5.7	5.0	2319226
Cobalt (Co)	ug/L	<20	38	<20	2319220	<20	<20	20	2319226
Copper (Cu)	ug/L	<3.0	7.2	4.0	2319220	<3.0	<3.0	3.0	2319226
Total Hardness (CaCO3) †	ug/L	13000	10000	2100	2319220	12000	4200	1000	2319226
Tin (Sn) †	ug/L	<50	<50	<50	2319220	<50	<50	50	2319226
Iron (Fe)	ug/L	11000	20000	<100	2319220	720	6700	100	2319226
Lithium (Li) †	ug/L	<100	<100	<100	2319220	<100	<100	100	2319226
Magnesium (Mg)	ug/L	1200	1200	<200	2319220	790	270	200	2319226
Manganese (Mn)	ug/L	21	760	6.8	2319220	68	22	3.0	2319226
Mercury (Hg)	ug/L	<0.10	<0.10	<0.10	2319220	<0.10	<0.10	0.10	2319226
Molybdenum (Mo)	ug/L	<10	16	<10	2319220	<10	<10	10	2319226
Nickel (Ni)	ug/L	<10	<10	<10	2319220	<10	<10	10	2319226
Phosphorus	ug/L	<10	<10	<10	2319220	<10	<10	10	2319226
Lead (Pb)	ug/L	<1.0	<1.0	<1.0	2319220	<1.0	<1.0	1.0	2319226
Potassium (K) †	ug/L	440	430	280	2319220	420	<200	200	2319226
Selenium (Se)	ug/L	<1.0	<1.0	<1.0	2319220	<1.0	<1.0	1.0	2319226
Silicon (Si) †	ug/L	6500	4800	3300	2319220	8600	4300	100	2319226
Sodium (Na)	ug/L	6000	2500	760	2319220	1800	810	200	2319226
Strontium (Sr) †	ug/L	<50	<50	<50	2319220	<50	<50	50	2319226
Thallium (Tl) †	ug/L	<10	<10	<10	2319220	<10	<10	10	2319226
Titanium (Ti) †	ug/L	<50	<50	<50	2319220	<50	<50	50	2319226
Tungsten (W) †	ug/L	<10	<10	<10	2319220	<10	<10	10	2319226

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6531	KS6532	KS6533		KS6534	KS6535		
Sampling Date		2022/07/30	2022/07/30	2022/07/30		2022/07/30	2022/07/31		
COC Number		71700	71700	71700		71700	71700		
	Units	NMX-P12	NMX-P13	NMX-P14	QC Batch	NMX-P15	Pz19	RDL	QC Batch
Uranium (U)	ug/L	<2.0	<2.0	<2.0	2319220	<2.0	<2.0	2.0	2319226
Vanadium (V) †	ug/L	<10	<10	<10	2319220	<10	<10	10	2319226
Zinc (Zn)	ug/L	5.9	7.9	<5.0	2319220	<5.0	<5.0	5.0	2319226
METALS ICP-MS									
Cerium (Ce) †	ug/L	1.1	1.2	0.65	2320033	1.7	11	0.30	2320033
Cesium (Cs) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	<2.0	2.0	2320033
Dysprosium (Dy) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	<2.0	2.0	2320033
Erbium (Er) †	ug/L	<0.50	<0.50	<0.50	2320033	<0.50	<0.50	0.50	2320033
Europium (Eu) †	ug/L	<0.40	<0.40	<0.40	2320033	<0.40	<0.40	0.40	2320033
Gadolinium (Gd) †	ug/L	<0.50	<0.50	<0.50	2320033	<0.50	0.51	0.50	2320033
Holmium (Ho) †	ug/L	<0.30	<0.30	<0.30	2320033	<0.30	<0.30	0.30	2320033
Lanthanum (La) †	ug/L	0.57	0.80	0.57	2320033	0.65	5.2	0.30	2320033
Lutetium (Lu) †	ug/L	<1.0	<1.0	<1.0	2320033	<1.0	<1.0	1.0	2320033
Neodymium (Nd) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	5.0	2.0	2320033
Praseodymium (Pr) †	ug/L	<0.40	<0.40	<0.40	2320033	<0.40	1.3	0.40	2320033
Rhodium (Rh) †	ug/L	<0.20	<0.20	<0.20	2320033	<0.20	<0.20	0.20	2320033
Rubidium (Rb) †	ug/L	2.1	3.0	<2.0	2320033	<2.0	<2.0	2.0	2320033
Samarium (Sm) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	<2.0	2.0	2320033
Scandium (Sc) †	ug/L	<3.0	<3.0	<3.0	2320033	<3.0	<3.0	3.0	2320033
Terbium (Tb) †	ug/L	<1.0	<1.0	<1.0	2320033	<1.0	<1.0	1.0	2320033
Thorium (Th) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	<2.0	2.0	2320033
Thulium (Tm) †	ug/L	<0.30	<0.30	<0.30	2320033	<0.30	<0.30	0.30	2320033
Ytterbium (Yb) †	ug/L	<3.0	<3.0	<3.0	2320033	<3.0	<3.0	3.0	2320033
Yttrium (Y) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	<2.0	2.0	2320033

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6536		KS6537		KS6538	KS6539	KS6568		
Sampling Date		2022/07/31		2022/07/31		2022/07/31	2022/07/31	2022/07/29		
COC Number		71700		71700		71700	71700	71700		
	Units	Pz20	QC Batch	Pz22	QC Batch	PO20	PO21	D1	RDL	QC Batch
METALS										
Aluminum (Al) †	ug/L	69	2319226	240	2322392	76	35	240	30	2319226
Antimony (Sb)	ug/L	<3.0	2319226	<3.0	2322392	<3.0	<3.0	<3.0	3.0	2319226
Silver (Ag) †	ug/L	<0.30	2319226	<0.30	2322392	<0.30	<0.30	<0.30	0.30	2319226
Arsenic (As)	ug/L	3.3	2319226	1.2	2322392	<0.30	0.38	<0.30	0.30	2319226
Barium (Ba)	ug/L	<20	2319226	<20	2322392	<20	<20	<20	20	2319226
Beryllium (Be) †	ug/L	<2.0	2319226	<2.0	2322392	<2.0	<2.0	<2.0	2.0	2319226
Bismuth (Bi) †	ug/L	<50	2319226	<50	2322392	<50	<50	<50	50	2319226
Boron (B)	ug/L	<50	2319226	<50	2322392	<50	<50	<50	50	2319226
Cadmium (Cd)	ug/L	<1.0	2319226	<1.0	2322392	<1.0	<1.0	<1.0	1.0	2319226
Calcium (Ca)	ug/L	3100	2319226	3300	2322392	2000	1600	3900	500	2319226
Chromium (Cr)	ug/L	<5.0	2319226	<5.0	2322392	<5.0	<5.0	<5.0	5.0	2319226
Cobalt (Co)	ug/L	<20	2319226	<20	2322392	<20	<20	<20	20	2319226
Copper (Cu)	ug/L	<3.0	2319226	<3.0	2322392	<3.0	<3.0	8.4	3.0	2319226
Total Hardness (CaCO3) †	ug/L	9700	2319226	10000	2322392	6300	5300	23000	1000	2319226
Tin (Sn) †	ug/L	<50	2319226	<50	2322392	<50	<50	<50	50	2319226
Iron (Fe)	ug/L	4900	2319226	10000	2322392	43000	67000	<100	100	2319226
Lithium (Li) †	ug/L	<100	2319226	<100	2322392	<100	<100	<100	100	2319226
Magnesium (Mg)	ug/L	480	2319226	460	2322392	350	320	3300	200	2319226
Manganese (Mn)	ug/L	61	2319226	37	2322392	180	210	6.6	3.0	2319226
Mercury (Hg)	ug/L	<0.10	2319226	<0.10	2322392	<0.10	<0.10	<0.10	0.10	2319226
Molybdenum (Mo)	ug/L	<10	2319226	<10	2322392	<10	<10	<10	10	2319226
Nickel (Ni)	ug/L	<10	2319226	<10	2322392	<10	<10	<10	10	2319226
Phosphorus	ug/L	<10	2319226	130	2322392	96	14	14	10	2319226
Lead (Pb)	ug/L	<1.0	2319226	<1.0	2322392	<1.0	2.0	<1.0	1.0	2319226
Potassium (K) †	ug/L	240	2319226	220	2322392	<200	<200	2100	200	2319226
Selenium (Se)	ug/L	<1.0	2319226	<1.0	2322392	<1.0	<1.0	<1.0	1.0	2319226
Silicon (Si) †	ug/L	7800	2319226	9300	2322392	4000	4100	6700	100	2319226
Sodium (Na)	ug/L	3700	2319226	7900	2322392	1400	1200	2400	200	2319226
Strontium (Sr) †	ug/L	<50	2319226	<50	2322392	<50	<50	<50	50	2319226
Thallium (Tl) †	ug/L	<10	2319226	<10	2322392	<10	<10	<10	10	2319226
Titanium (Ti) †	ug/L	<50	2319226	<50	2322392	<50	<50	<50	50	2319226
Tungsten (W) †	ug/L	<10	2319226	<10	2322392	<10	<10	<10	10	2319226

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6536		KS6537		KS6538	KS6539	KS6568		
Sampling Date		2022/07/31		2022/07/31		2022/07/31	2022/07/31	2022/07/29		
COC Number		71700		71700		71700	71700	71700		
	Units	Pz20	QC Batch	Pz22	QC Batch	PO20	PO21	D1	RDL	QC Batch
Uranium (U)	ug/L	<2.0	2319226	<2.0	2322392	<2.0	<2.0	<2.0	2.0	2319226
Vanadium (V) †	ug/L	<10	2319226	<10	2322392	<10	<10	<10	10	2319226
Zinc (Zn)	ug/L	<5.0	2319226	15	2322392	34000	21000	200	5.0	2319226
METALS ICP-MS										
Cerium (Ce) †	ug/L	2.3	2320035	5.1	2320033	<0.30	<0.30	3.4	0.30	2320035
Cesium (Cs) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	2.5	<2.0	2.0	2320035
Dysprosium (Dy) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	<2.0	<2.0	2.0	2320035
Erbium (Er) †	ug/L	<0.50	2320035	<0.50	2320033	<0.50	<0.50	0.95	0.50	2320035
Europium (Eu) †	ug/L	<0.40	2320035	<0.40	2320033	<0.40	<0.40	<0.40	0.40	2320035
Gadolinium (Gd) †	ug/L	<0.50	2320035	<0.50	2320033	<0.50	<0.50	2.1	0.50	2320035
Holmium (Ho) †	ug/L	<0.30	2320035	<0.30	2320033	<0.30	<0.30	0.32	0.30	2320035
Lanthanum (La) †	ug/L	1.0	2320035	2.1	2320033	<0.30	<0.30	1.4	0.30	2320035
Lutetium (Lu) †	ug/L	<1.0	2320035	<1.0	2320033	<1.0	<1.0	<1.0	1.0	2320035
Neodymium (Nd) †	ug/L	<2.0	2320035	2.7	2320033	<2.0	<2.0	3.1	2.0	2320035
Praseodymium (Pr) †	ug/L	<0.40	2320035	0.68	2320033	<0.40	<0.40	0.62	0.40	2320035
Rhodium (Rh) †	ug/L	<0.20	2320035	<0.20	2320033	<0.20	<0.20	<0.20	0.20	2320035
Rubidium (Rb) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	<2.0	7.5	2.0	2320035
Samarium (Sm) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	<2.0	<2.0	2.0	2320035
Scandium (Sc) †	ug/L	<3.0	2320035	<3.0	2320033	<3.0	<3.0	<3.0	3.0	2320035
Terbium (Tb) †	ug/L	<1.0	2320035	<1.0	2320033	<1.0	<1.0	<1.0	1.0	2320035
Thorium (Th) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	<2.0	<2.0	2.0	2320035
Thulium (Tm) †	ug/L	<0.30	2320035	<0.30	2320033	<0.30	<0.30	<0.30	0.30	2320035
Ytterbium (Yb) †	ug/L	<3.0	2320035	<3.0	2320033	<3.0	<3.0	<3.0	3.0	2320035
Yttrium (Y) †	ug/L	<2.0	2320035	<2.0	2320033	<2.0	<2.0	15	2.0	2320035

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6569	KS6570	KS6571		KS6572		
Sampling Date		2022/07/30	2022/07/31	2022/07/31		2022/07/29		
COC Number		71700	71700	71700		71700		
	Units	D2	D3	BLANC DE TRANSPORT1 LOT 22JL21-A	QC Batch	BLANC DE TERRAIN1 LOT 22JL21-A	RDL	QC Batch
METALS								
Aluminum (Al) †	ug/L	<30	110	<30	2319226	<30	30	2319226
Antimony (Sb)	ug/L	<3.0	<3.0	<3.0	2319226	<3.0	3.0	2319226
Silver (Ag) †	ug/L	<0.30	<0.30	<0.30	2319226	<0.30	0.30	2319226
Arsenic (As)	ug/L	0.82	0.54	<0.30	2319226	<0.30	0.30	2319226
Barium (Ba)	ug/L	<20	<20	<20	2319226	<20	20	2319226
Beryllium (Be) †	ug/L	<2.0	<2.0	<2.0	2319226	<2.0	2.0	2319226
Bismuth (Bi) †	ug/L	<50	<50	<50	2319226	<50	50	2319226
Boron (B)	ug/L	<50	<50	<50	2319226	<50	50	2319226
Cadmium (Cd)	ug/L	<1.0	<1.0	<1.0	2319226	<1.0	1.0	2319226
Calcium (Ca)	ug/L	31000	1200	<500	2319226	<500	500	2319226
Chromium (Cr)	ug/L	<5.0	6.2	<5.0	2319226	<5.0	5.0	2319226
Cobalt (Co)	ug/L	<20	<20	<20	2319226	<20	20	2319226
Copper (Cu)	ug/L	<3.0	<3.0	<3.0	2319226	<3.0	3.0	2319226
Total Hardness (CaCO3) †	ug/L	93000	4200	<1000	2319226	<1000	1000	2319226
Tin (Sn) †	ug/L	<50	<50	<50	2319226	<50	50	2319226
Iron (Fe)	ug/L	<100	7100	<100	2319226	<100	100	2319226
Lithium (Li) †	ug/L	<100	<100	<100	2319226	<100	100	2319226
Magnesium (Mg)	ug/L	3600	290	<200	2319226	<200	200	2319226
Manganese (Mn)	ug/L	84	21	<3.0	2319226	<3.0	3.0	2319226
Mercury (Hg)	ug/L	<0.10	<0.10	<0.10	2319226	<0.10	0.10	2319226
Molybdenum (Mo)	ug/L	<10	<10	<10	2319226	<10	10	2319226
Nickel (Ni)	ug/L	<10	<10	<10	2319226	<10	10	2319226
Phosphorus	ug/L	<10	<10	<10	2319226	<10	10	2319226
Lead (Pb)	ug/L	<1.0	<1.0	<1.0	2319226	<1.0	1.0	2319226
Potassium (K) †	ug/L	2300	<200	<200	2319226	<200	200	2319226
Selenium (Se)	ug/L	<1.0	<1.0	<1.0	2319226	<1.0	1.0	2319226
Silicon (Si) †	ug/L	9500	4400	<100	2319226	<100	100	2319226
Sodium (Na)	ug/L	5200	860	<200	2319226	<200	200	2319226
Strontium (Sr) †	ug/L	120	<50	<50	2319226	<50	50	2319226
Thallium (Tl) †	ug/L	<10	<10	<10	2319226	<10	10	2319226
Titanium (Ti) †	ug/L	<50	<50	<50	2319226	<50	50	2319226
Tungsten (W) †	ug/L	<10	<10	<10	2319226	<10	10	2319226

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6569	KS6570	KS6571		KS6572		
Sampling Date		2022/07/30	2022/07/31	2022/07/31		2022/07/29		
COC Number		71700	71700	71700		71700		
	Units	D2	D3	BLANC DE TRANSPORT1 LOT 22JL21-A	QC Batch	BLANC DE TERRAIN1 LOT 22JL21-A	RDL	QC Batch
Uranium (U)	ug/L	3.3	<2.0	<2.0	2319226	<2.0	2.0	2319226
Vanadium (V) †	ug/L	<10	<10	<10	2319226	<10	10	2319226
Zinc (Zn)	ug/L	<5.0	<5.0	<5.0	2319226	<5.0	5.0	2319226
METALS ICP-MS								
Cerium (Ce) †	ug/L	<0.30	12	<0.30	2320033	<0.30	0.30	2327535
Cesium (Cs) †	ug/L	2.9	<2.0	<2.0	2320033	<2.0	2.0	2327535
Dysprosium (Dy) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	2.0	2327535
Erbium (Er) †	ug/L	<0.50	<0.50	<0.50	2320033	<0.50	0.50	2327535
Europium (Eu) †	ug/L	<0.40	<0.40	<0.40	2320033	<0.40	0.40	2327535
Gadolinium (Gd) †	ug/L	<0.50	0.55	<0.50	2320033	<0.50	0.50	2327535
Holmium (Ho) †	ug/L	<0.30	<0.30	<0.30	2320033	<0.30	0.30	2327535
Lanthanum (La) †	ug/L	<0.30	5.3	<0.30	2320033	<0.30	0.30	2327535
Lutetium (Lu) †	ug/L	<1.0	<1.0	<1.0	2320033	<1.0	1.0	2327535
Neodymium (Nd) †	ug/L	<2.0	5.2	<2.0	2320033	<2.0	2.0	2327535
Praseodymium (Pr) †	ug/L	<0.40	1.4	<0.40	2320033	<0.40	0.40	2327535
Rhodium (Rh) †	ug/L	<0.20	<0.20	<0.20	2320033	<0.20	0.20	2327535
Rubidium (Rb) †	ug/L	4.5	<2.0	<2.0	2320033	<2.0	2.0	2327535
Samarium (Sm) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	2.0	2327535
Scandium (Sc) †	ug/L	<3.0	<3.0	<3.0	2320033	<3.0	3.0	2327535
Terbium (Tb) †	ug/L	<1.0	<1.0	<1.0	2320033	<1.0	1.0	2327535
Thorium (Th) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	2.0	2327535
Thulium (Tm) †	ug/L	<0.30	<0.30	<0.30	2320033	<0.30	0.30	2327535
Ytterbium (Yb) †	ug/L	<3.0	<3.0	<3.0	2320033	<3.0	3.0	2327535
Yttrium (Y) †	ug/L	<2.0	<2.0	<2.0	2320033	<2.0	2.0	2327535

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6578		KS6579		
Sampling Date		2022/07/30		2022/07/31		
COC Number		71700		71700		
	Units	BLANC DE TERRAIN2 LOT 22JL21-A	QC Batch	BLANC DE TERRAIN3 LOT 22JL21-A	RDL	QC Batch
METALS						
Aluminum (Al) †	ug/L	<30	2319226	<30	30	2319226
Antimony (Sb)	ug/L	<3.0	2319226	<3.0	3.0	2319226
Silver (Ag) †	ug/L	<0.30	2319226	<0.30	0.30	2319226
Arsenic (As)	ug/L	<0.30	2319226	<0.30	0.30	2319226
Barium (Ba)	ug/L	<20	2319226	<20	20	2319226
Beryllium (Be) †	ug/L	<2.0	2319226	<2.0	2.0	2319226
Bismuth (Bi) †	ug/L	<50	2319226	<50	50	2319226
Boron (B)	ug/L	<50	2319226	<50	50	2319226
Cadmium (Cd)	ug/L	<1.0	2319226	<1.0	1.0	2319226
Calcium (Ca)	ug/L	<500	2319226	<500	500	2319226
Chromium (Cr)	ug/L	<5.0	2319226	<5.0	5.0	2319226
Cobalt (Co)	ug/L	<20	2319226	<20	20	2319226
Copper (Cu)	ug/L	<3.0	2319226	<3.0	3.0	2319226
Total Hardness (CaCO3) †	ug/L	<1000	2319226	<1000	1000	2319226
Tin (Sn) †	ug/L	<50	2319226	<50	50	2319226
Iron (Fe)	ug/L	<100	2319226	<100	100	2319226
Lithium (Li) †	ug/L	<100	2319226	<100	100	2319226
Magnesium (Mg)	ug/L	<200	2319226	<200	200	2319226
Manganese (Mn)	ug/L	<3.0	2319226	<3.0	3.0	2319226
Mercury (Hg)	ug/L	<0.10	2319226	<0.10	0.10	2319226
Molybdenum (Mo)	ug/L	<10	2319226	<10	10	2319226
Nickel (Ni)	ug/L	<10	2319226	<10	10	2319226
Phosphorus	ug/L	<10	2319226	<10	10	2319226
Lead (Pb)	ug/L	<1.0	2319226	<1.0	1.0	2319226
Potassium (K) †	ug/L	<200	2319226	<200	200	2319226
Selenium (Se)	ug/L	<1.0	2319226	<1.0	1.0	2319226
Silicon (Si) †	ug/L	<100	2319226	<100	100	2319226
Sodium (Na)	ug/L	<200	2319226	1100	200	2319226
Strontium (Sr) †	ug/L	<50	2319226	<50	50	2319226
Thallium (Tl) †	ug/L	<10	2319226	<10	10	2319226
Titanium (Ti) †	ug/L	<50	2319226	<50	50	2319226
Tungsten (W) †	ug/L	<10	2319226	<10	10	2319226

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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DISSOLVED METALS (GROUND WATER)

Bureau Veritas ID		KS6578		KS6579		
Sampling Date		2022/07/30		2022/07/31		
COC Number		71700		71700		
	Units	BLANC DE TERRAIN2 LOT 22JL21-A	QC Batch	BLANC DE TERRAIN3 LOT 22JL21-A	RDL	QC Batch
Uranium (U)	ug/L	<2.0	2319226	<2.0	2.0	2319226
Vanadium (V) †	ug/L	<10	2319226	<10	10	2319226
Zinc (Zn)	ug/L	<5.0	2319226	<5.0	5.0	2319226
METALS ICP-MS						
Cerium (Ce) †	ug/L	<0.30	2320035	<0.30	0.30	2320201
Cesium (Cs) †	ug/L	<2.0	2320035	<2.0	2.0	2320201
Dysprosium (Dy) †	ug/L	<2.0	2320035	<2.0	2.0	2320201
Erbium (Er) †	ug/L	<0.50	2320035	<0.50	0.50	2320201
Europium (Eu) †	ug/L	<0.40	2320035	<0.40	0.40	2320201
Gadolinium (Gd) †	ug/L	<0.50	2320035	<0.50	0.50	2320201
Holmium (Ho) †	ug/L	<0.30	2320035	<0.30	0.30	2320201
Lanthanum (La) †	ug/L	<0.30	2320035	<0.30	0.30	2320201
Lutetium (Lu) †	ug/L	<1.0	2320035	<1.0	1.0	2320201
Neodymium (Nd) †	ug/L	<2.0	2320035	<2.0	2.0	2320201
Praseodymium (Pr) †	ug/L	<0.40	2320035	<0.40	0.40	2320201
Rhodium (Rh) †	ug/L	<0.20	2320035	<0.20	0.20	2320201
Rubidium (Rb) †	ug/L	<2.0	2320035	<2.0	2.0	2320201
Samarium (Sm) †	ug/L	<2.0	2320035	<2.0	2.0	2320201
Scandium (Sc) †	ug/L	<3.0	2320035	<3.0	3.0	2320201
Terbium (Tb) †	ug/L	<1.0	2320035	<1.0	1.0	2320201
Thorium (Th) †	ug/L	<2.0	2320035	<2.0	2.0	2320201
Thulium (Tm) †	ug/L	<0.30	2320035	<0.30	0.30	2320201
Ytterbium (Yb) †	ug/L	<3.0	2320035	<3.0	3.0	2320201
Yttrium (Y) †	ug/L	<2.0	2320035	<2.0	2.0	2320201

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
† Parameter is not accreditable

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KS6513		KS6514	KS6514		KS6515		
Sampling Date		2022/07/31		2022/07/31	2022/07/31		2022/07/31		
COC Number		71700		71700	71700		71700		
	Units	NMX- P01R	QC Batch	NMX-P01D	NMX-P01D Lab-Dup	QC Batch	NMX-P02R	RDL	QC Batch
CONVENTIONALS									
Conductivity	mS/cm	0.033	2318187	0.068	N/A	2318187	0.041	0.0010	2318187
Nitrates (N-NO3-)	mg/L	<0.020	2318361	0.70	0.69	2318362	0.032	0.020	2318362
Nitrites (N-NO2-)	mg/L	<0.020	2318361	<0.020	<0.020	2318362	<0.020	0.020	2318362
pH	pH	6.11	2318190	6.05	N/A	2318190	6.29	N/A	2318190
Total Cyanide (CN)	mg/L	<0.0030	2318492	<0.0030	N/A	2318492	<0.0030	0.0030	2318491
Bromide (Br-)	mg/L	<0.10	2318363	<0.10	<0.10	2318369	<0.10	0.10	2318369
Bicarbonates (HCO3 as CaCO3) †	mg/L	12	2318184	26	N/A	2318184	13	1.0	2318184
Chloride (Cl)	mg/L	0.27	2318363	0.20	0.19	2318369	0.21	0.050	2318369
Total Dissolved Solids	mg/L	45	2319416	100	N/A	2319416	63	10	2319416

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

Bureau Veritas ID		KS6516			KS6517		KS6518		
Sampling Date		2022/07/31			2022/07/31		2022/07/31		
COC Number		71700			71700		71700		
	Units	NMX P02D	RDL	QC Batch	NMX-P03R	QC Batch	NMX-P04R	RDL	QC Batch
CONVENTIONALS									
Conductivity	mS/cm	0.011	0.0010	2318187	0.15	2318187	0.14	0.0010	2318187
Nitrates (N-NO3-)	mg/L	<0.020	0.020	2318361	<0.020	2318362	<0.020	0.020	2318361
Nitrites (N-NO2-)	mg/L	<0.020	0.020	2318361	<0.020	2318362	<0.020	0.020	2318361
pH	pH	5.69	N/A	2318190	7.53	2318190	7.79	N/A	2318190
Total Cyanide (CN)	mg/L	<0.0030	0.0030	2318491	<0.0030	2318491	<0.0030	0.0030	2318492
Bromide (Br-)	mg/L	<0.10	0.10	2318363	<0.10	2318369	<0.10	0.10	2318363
Bicarbonates (HCO3 as CaCO3) †	mg/L	2.6	1.0	2318184	74	2318184	61	1.0	2318184
Chloride (Cl)	mg/L	0.14	0.050	2318363	0.31	2318369	0.28	0.050	2318363
Total Dissolved Solids	mg/L	27	11	2319420	110	2319420	95	10	2319420

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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Bureau Veritas Job #: C239824
Report Date: 2022/09/12

Groupe Synergis
Client Project #: 22-0186
Site Location: PO-souterraine
Your P.O. #: 1020000153

CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KS6519		KS6520		KS6521		KS6522		
Sampling Date		2022/07/30		2022/07/30		2022/07/29		2022/07/29		
COC Number		71700		71700		71700		71700		
	Units	NMX-P05R	QC Batch	NMX-P05D	QC Batch	NMX-P06R	QC Batch	NMX-P07D	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.025	2318187	0.058	2318187	0.070	2318187	0.085	0.0010	2318187
Nitrates (N-NO3-)	mg/L	0.033	2318362	<0.020	2318361	1.3	2318362	<0.020	0.020	2318362
Nitrites (N-NO2-)	mg/L	<0.020	2318362	<0.020	2318361	<0.020	2318362	<0.020	0.020	2318362
pH	pH	6.03	2318190	6.50	2318190	5.70	2318190	6.12	N/A	2318190
Total Cyanide (CN)	mg/L	<0.0030	2318491	<0.0030	2318492	<0.0030	2318492	<0.0030	0.0030	2318491
Bromide (Br-)	mg/L	<0.10	2318369	<0.10	2318363	<0.10	2318369	<0.10	0.10	2318369
Bicarbonates (HCO3 as CaCO3) †	mg/L	11	2318184	29	2318184	5.5	2318184	43	1.0	2318184
Chloride (Cl)	mg/L	0.13	2318369	0.21	2318363	0.91	2318369	0.33	0.050	2318369
Total Dissolved Solids	mg/L	47	2319420	72	2319420	74	2319420	82	10	2319420

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

Bureau Veritas ID		KS6524	KS6525		KS6526	KS6527	KS6528		
Sampling Date		2022/07/29	2022/07/30		2022/07/30	2022/07/30	2022/07/30		
COC Number		71700	71700		71700	71700	71700		
	Units	NMX-P07R	NMX -P08R	QC Batch	NMX-P08D	NMX-P09R	NMX-P09D	RDL	QC Batch
CONVENTIONALS									
Conductivity	mS/cm	0.051	0.16	2318187	0.035	0.22	0.038	0.0010	2318187
Nitrates (N-NO3-)	mg/L	<0.020	<0.020	2318362	<0.020	0.047	<0.020	0.020	2318361
Nitrites (N-NO2-)	mg/L	<0.020	<0.020	2318362	<0.020	<0.020	<0.020	0.020	2318361
pH	pH	5.91	7.40	2318190	6.11	7.38	5.46	N/A	2318190
Total Cyanide (CN)	mg/L	<0.0030	<0.0030	2318492	<0.0030	<0.0030	<0.0030	0.0030	2318492
Bromide (Br-)	mg/L	<0.10	<0.10	2318369	<0.10	0.33	<0.10	0.10	2318363
Bicarbonates (HCO3 as CaCO3) †	mg/L	27	79	2318184	16	70	6.6	1.0	2318184
Chloride (Cl)	mg/L	0.31	0.39	2318369	0.17	25	5.5	0.050	2318363
Total Dissolved Solids	mg/L	62	93	2319420	25	170	56	10	2319420

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KS6529		KS6530	KS6530		KS6531		
Sampling Date		2022/07/30		2022/07/30	2022/07/30		2022/07/30		
COC Number		71700		71700	71700		71700		
	Units	NMX-P10	QC Batch	NMX-P11	NMX-P11 Lab-Dup	QC Batch	NMX-P12	RDL	QC Batch
CONVENTIONALS									
Conductivity	mS/cm	0.073	2318187	0.075	0.075	2318187	0.10	0.0010	2318187
Nitrates (N-NO3-)	mg/L	0.66	2318362	0.84	N/A	2318361	<0.020	0.020	2318362
Nitrites (N-NO2-)	mg/L	<0.020	2318362	<0.020	N/A	2318361	<0.020	0.020	2318362
pH	pH	6.10	2318190	5.97	5.97	2318190	4.37	N/A	2318190
Total Cyanide (CN)	mg/L	<0.0030	2318492	<0.0030	N/A	2318492	<0.0030	0.0030	2318492
Bromide (Br-)	mg/L	<0.10	2318369	<0.10	N/A	2318363	<0.10	0.10	2318369
Bicarbonates (HCO3 as CaCO3) †	mg/L	8.6	2318184	4.9	4.6	2318184	<1.0	1.0	2318184
Chloride (Cl)	mg/L	0.45	2318369	0.38	N/A	2318363	0.59	0.050	2318369
Total Dissolved Solids	mg/L	67	2319420	73	N/A	2319420	69	10	2319420

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

Bureau Veritas ID		KS6532		KS6533		KS6534		KS6535		
Sampling Date		2022/07/30		2022/07/30		2022/07/30		2022/07/31		
COC Number		71700		71700		71700		71700		
	Units	NMX-P13	QC Batch	NMX-P14	QC Batch	NMX-P15	QC Batch	Pz19	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.034	2318187	0.011	2318187	0.035	2318188	0.023	0.0010	2318188
Nitrates (N-NO3-)	mg/L	<0.020	2318362	<0.020	2318361	<0.020	2318362	<0.020	0.020	2318361
Nitrites (N-NO2-)	mg/L	<0.020	2318362	<0.020	2318361	<0.020	2318362	<0.020	0.020	2318361
pH	pH	5.42	2318190	5.32	2318190	6.17	2318191	5.92	N/A	2318191
Total Cyanide (CN)	mg/L	<0.0030	2318491	<0.0030	2318491	<0.0030	2318491	<0.0030	0.0030	2318491
Bromide (Br-)	mg/L	<0.10	2318369	<0.10	2318363	<0.10	2318369	<0.10	0.10	2318363
Bicarbonates (HCO3 as CaCO3) †	mg/L	12	2318184	1.0	2318184	15	2318185	10	1.0	2318185
Chloride (Cl)	mg/L	0.55	2318369	0.18	2318363	0.33	2318369	0.21	0.050	2318363
Total Dissolved Solids	mg/L	46	2319420	17	2319420	54	2319420	31	10	2319420

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KS6536	KS6536		KS6537		KS6538		
Sampling Date		2022/07/31	2022/07/31		2022/07/31		2022/07/31		
COC Number		71700	71700		71700		71700		
	Units	Pz20	Pz20 Lab-Dup	QC Batch	Pz22	QC Batch	PO20	RDL	QC Batch
CONVENTIONALS									
Conductivity	mS/cm	0.043	N/A	2318188	0.060	2318188	0.14	0.0010	2318188
Nitrates (N-NO3-)	mg/L	<0.020	N/A	2318361	<0.020	2318361	<0.020	0.020	2318362
Nitrites (N-NO2-)	mg/L	<0.020	N/A	2318361	<0.020	2318361	<0.020	0.020	2318362
pH	pH	5.93	N/A	2318191	5.90	2318191	6.27	N/A	2318191
Total Cyanide (CN)	mg/L	<0.0030	N/A	2318491	<0.0030	2318491	<0.0030	0.0030	2318492
Bromide (Br-)	mg/L	<0.10	N/A	2318363	<0.10	2318363	<0.10	0.10	2318369
Bicarbonates (HCO3 as CaCO3) †	mg/L	22	N/A	2318185	31	2318185	74	1.0	2318185
Chloride (Cl)	mg/L	0.25	N/A	2318363	0.46	2318363	0.39	0.050	2318369
Total Dissolved Solids	mg/L	61	57	2319420	110	2319421	150	10	2319421

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

Bureau Veritas ID		KS6539		KS6568		KS6569		KS6570		
Sampling Date		2022/07/31		2022/07/29		2022/07/30		2022/07/31		
COC Number		71700		71700		71700		71700		
	Units	PO21	QC Batch	D1	QC Batch	D2	QC Batch	D3	RDL	QC Batch
CONVENTIONALS										
Conductivity	mS/cm	0.081	2318188	0.072	2318188	0.22	2318188	0.028	0.0010	2318188
Nitrates (N-NO3-)	mg/L	<0.020	2318361	1.5	2318361	<0.020	2318361	<0.020	0.020	2318362
Nitrites (N-NO2-)	mg/L	<0.020	2318361	<0.020	2318361	<0.020	2318361	<0.020	0.020	2318362
pH	pH	6.33	2318191	5.74	2318191	7.33	2318191	6.07	N/A	2318191
Total Cyanide (CN)	mg/L	<0.0030	2318491	<0.0030	2318492	<0.0030	2318491	<0.0030	0.0030	2318491
Bromide (Br-)	mg/L	<0.10	2318363	<0.10	2318363	0.31	2318363	<0.10	0.10	2318369
Bicarbonates (HCO3 as CaCO3) †	mg/L	43	2318185	5.8	2318185	69	2318185	13	1.0	2318185
Chloride (Cl)	mg/L	0.77	2318363	0.93	2318363	23	2318363	0.19	0.050	2318369
Total Dissolved Solids	mg/L	69	2319421	82	2319421	160	2319421	45	10	2319421

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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CONVENTIONAL PARAMETERS (GROUND WATER)

Bureau Veritas ID		KS6571	KS6571		KS6572		
Sampling Date		2022/07/31	2022/07/31		2022/07/29		
COC Number		71700	71700		71700		
	Units	BLANC DE TRANSPORT1 LOT 22JL21-A	BLANC DE TRANSPORT1 LOT 22JL21-A Lab-Dup	QC Batch	BLANC DE TERRAIN1 LOT 22JL21-A	RDL	QC Batch
CONVENTIONALS							
Conductivity	mS/cm	<0.0010	<0.0010	2318188	<0.0010	0.0010	2318188
Nitrates (N-NO3-)	mg/L	<0.020	N/A	2318361	<0.020	0.020	2318362
Nitrites (N-NO2-)	mg/L	<0.020	N/A	2318361	<0.020	0.020	2318362
pH	pH	5.67	5.52	2318191	5.46	N/A	2318191
Total Cyanide (CN)	mg/L	<0.0030	N/A	2318491	<0.0030	0.0030	2318492
Bromide (Br-)	mg/L	<0.10	N/A	2318363	<0.10	0.10	2318369
Bicarbonates (HCO3 as CaCO3) †	mg/L	<1.0	<1.0	2318185	<1.0	1.0	2318185
Chloride (Cl)	mg/L	<0.050	N/A	2318363	<0.050	0.050	2318369
Total Dissolved Solids	mg/L	<10	N/A	2319421	<10	10	2319421

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

Bureau Veritas ID		KS6578		KS6579	KS6579		
Sampling Date		2022/07/30		2022/07/31	2022/07/31		
COC Number		71700		71700	71700		
	Units	BLANC DE TERRAIN2 LOT 22JL21-A	QC Batch	BLANC DE TERRAIN3 LOT 22JL21-A	BLANC DE TERRAIN3 LOT 22JL21-A Lab-Dup	RDL	QC Batch
CONVENTIONALS							
Conductivity	mS/cm	<0.0010	2318188	<0.0010	N/A	0.0010	2318188
Nitrates (N-NO3-)	mg/L	<0.020	2318362	<0.020	<0.020	0.020	2318361
Nitrites (N-NO2-)	mg/L	<0.020	2318362	<0.020	<0.020	0.020	2318361
pH	pH	5.45	2318191	5.44	N/A	N/A	2318191
Total Cyanide (CN)	mg/L	<0.0030	2318492	<0.0030	N/A	0.0030	2318491
Bromide (Br-)	mg/L	<0.10	2318369	<0.10	<0.10	0.10	2318363
Bicarbonates (HCO3 as CaCO3) †	mg/L	<1.0	2318185	<1.0	N/A	1.0	2318185
Chloride (Cl)	mg/L	<0.050	2318369	<0.050	<0.050	0.050	2318363
Total Dissolved Solids	mg/L	<10	2319421	<10	N/A	10	2319421

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
† Parameter is not accreditable

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GENERAL COMMENTS

pH in water: Holding time already past upon reception.: KS6519, KS6520, KS6521
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS6521
pH in water: Holding time already past upon reception.: KS6522
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS6522
pH in water: Holding time already past upon reception.: KS6524
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS6524
pH in water: Holding time already past upon reception.: KS6525, KS6526, KS6527, KS6528, KS6529, KS6530, KS6531, KS6532, KS6533, KS6534, KS6568
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS6568
pH in water: Holding time already past upon reception.: KS6569, KS6571, KS6572
Nitrates(NO3-), Nitrites(NO2-)-water: Holding time already past upon reception.: KS6572
pH in water: Holding time already past upon reception.: KS6578

HYDROCARBONS BY GCFID (GROUND WATER)

Note: Samples KS6513, KS6514, KS6515, KS6516, KS6517, KS6518, KS6519, KS6520, KS6521, KS6522, KS6524, KS6525, KS6526, KS6527, KS6528, KS6529, KS6530, KS6531, KS6532, KS6533, KS6534, KS6535, KS6536, KS6537, KS6538, KS359, KS6568, KS6569, KS6570, KS6571, KS6572, KS6578 and KS6579 were treated with an additional clean-up with silica gel at the request of the customer.

DISSOLVED METALS (GROUND WATER)

The analysis was performed passed holding time for sample KS6572.

CONVENTIONAL PARAMETERS (GROUND WATER)

pH, Nitrite and Nitrate: analyses past holding time.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
2318132	VSE	Spiked Blank	Aluminum (Al)	2022/08/02		103	%
			Silver (Ag)	2022/08/02		101	%
			Arsenic (As)	2022/08/02		106	%
			Barium (Ba)	2022/08/02		102	%
			Cadmium (Cd)	2022/08/02		100	%
			Cobalt (Co)	2022/08/02		100	%
			Copper (Cu)	2022/08/02		98	%
			Manganese (Mn)	2022/08/02		104	%
			Mercury (Hg)	2022/08/02		88	%
			Molybdenum (Mo)	2022/08/02		107	%
			Nickel (Ni)	2022/08/02		99	%
			Lead (Pb)	2022/08/02		101	%
			Selenium (Se)	2022/08/02		104	%
			Sodium (Na)	2022/08/02		100	%
			Zinc (Zn)	2022/08/02		95	%
2318132	VSE	Method Blank	Aluminum (Al)	2022/08/04	<30		ug/L
			Silver (Ag)	2022/08/04	<0.30		ug/L
			Arsenic (As)	2022/08/04	<0.30		ug/L
			Barium (Ba)	2022/08/04	<20		ug/L
			Cadmium (Cd)	2022/08/04	<1.0		ug/L
			Cobalt (Co)	2022/08/04	<20		ug/L
			Copper (Cu)	2022/08/04	<3.0		ug/L
			Manganese (Mn)	2022/08/04	<3.0		ug/L
			Mercury (Hg)	2022/08/04	<0.10		ug/L
			Molybdenum (Mo)	2022/08/04	<10		ug/L
			Nickel (Ni)	2022/08/04	<10		ug/L
			Lead (Pb)	2022/08/04	<1.0		ug/L
			Selenium (Se)	2022/08/04	<1.0		ug/L
			Sodium (Na)	2022/08/04	<200		ug/L
			Zinc (Zn)	2022/08/04	<5.0		ug/L
2318184	JAN	Method Blank	Bicarbonates (HCO3 as CaCO3)	2022/08/02	<1.0		mg/L
2318185	JAN	Method Blank	Bicarbonates (HCO3 as CaCO3)	2022/08/02	<1.0		mg/L
2318187	JAN	QC Standard	Conductivity	2022/08/02		97	%
2318187	JAN	Spiked Blank	Conductivity	2022/08/02		101	%
2318187	JAN	Method Blank	Conductivity	2022/08/02	<0.0010		mS/cm
2318188	JAN	Spiked Blank	Conductivity	2022/08/02		100	%
2318188	JAN	Method Blank	Conductivity	2022/08/02	<0.0010		mS/cm
2318190	JAN	QC Standard	pH	2022/08/02		100	%
2318190	JAN	Spiked Blank	pH	2022/08/02		101	%
2318191	JAN	Spiked Blank	pH	2022/08/02		101	%
2318361	VCH	Spiked Blank	Nitrates (N-NO3-)	2022/08/03		114	%
			Nitrites (N-NO2-)	2022/08/03		104	%
2318361	VCH	Method Blank	Nitrates (N-NO3-)	2022/08/03	<0.020		mg/L
			Nitrites (N-NO2-)	2022/08/03	<0.020		mg/L
2318362	VCH	Spiked Blank	Nitrates (N-NO3-)	2022/08/03		103	%
			Nitrites (N-NO2-)	2022/08/03		103	%
2318362	VCH	Method Blank	Nitrates (N-NO3-)	2022/08/03	<0.020		mg/L
			Nitrites (N-NO2-)	2022/08/03	<0.020		mg/L
2318363	VCH	Spiked Blank	Bromide (Br-)	2022/08/03		114	%
			Chloride (Cl)	2022/08/03		106	%
2318363	VCH	Method Blank	Bromide (Br-)	2022/08/03	<0.10		mg/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Chloride (Cl)	2022/08/03	<0.050		mg/L
2318369	VCH	Spiked Blank	Bromide (Br-)	2022/08/03		104	%
			Chloride (Cl)	2022/08/03		99	%
2318369	VCH	Method Blank	Bromide (Br-)	2022/08/03	<0.10		mg/L
			Chloride (Cl)	2022/08/03	<0.050		mg/L
2318491	DMI	Spiked Blank	Total Cyanide (CN)	2022/08/03		99	%
2318491	DMI	Method Blank	Total Cyanide (CN)	2022/08/03	<0.0030		mg/L
2318492	DMI	Spiked Blank	Total Cyanide (CN)	2022/08/03		99	%
2318492	DMI	Method Blank	Total Cyanide (CN)	2022/08/03	<0.0030		mg/L
2318841	MEP	Spiked Blank	1-Chlorooctadecane	2022/08/05		79	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05		62	%
2318841	MEP	Spiked Blank DUP	1-Chlorooctadecane	2022/08/05		90	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05		72	%
2318841	MEP	Method Blank	1-Chlorooctadecane	2022/08/05		87	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05	<100		ug/L
2318911	DES	Spiked Blank	1-Chlorooctadecane	2022/08/05		73	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05		74	%
2318911	DES	Spiked Blank DUP	1-Chlorooctadecane	2022/08/05		80	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05		80	%
2318911	DES	Method Blank	1-Chlorooctadecane	2022/08/05		104	%
			Petroleum Hydrocarbons (C10-C50)	2022/08/05	<100		ug/L
2319220	ABT	Spiked Blank	Aluminum (Al)	2022/08/04		112	%
			Antimony (Sb)	2022/08/04		113	%
			Silver (Ag)	2022/08/04		107	%
			Arsenic (As)	2022/08/04		109	%
			Barium (Ba)	2022/08/04		105	%
			Beryllium (Be)	2022/08/04		104	%
			Bismuth (Bi)	2022/08/04		112	%
			Boron (B)	2022/08/04		117	%
			Cadmium (Cd)	2022/08/04		104	%
			Calcium (Ca)	2022/08/04		99	%
			Chromium (Cr)	2022/08/04		105	%
			Cobalt (Co)	2022/08/04		103	%
			Copper (Cu)	2022/08/04		98	%
			Tin (Sn)	2022/08/04		113	%
			Iron (Fe)	2022/08/04		105	%
			Lithium (Li)	2022/08/04		106	%
			Magnesium (Mg)	2022/08/04		105	%
			Manganese (Mn)	2022/08/04		107	%
			Mercury (Hg)	2022/08/04		100	%
			Molybdenum (Mo)	2022/08/04		115	%
			Nickel (Ni)	2022/08/04		103	%
			Phosphorus	2022/08/04		105	%
			Lead (Pb)	2022/08/04		104	%
			Potassium (K)	2022/08/04		105	%
			Selenium (Se)	2022/08/04		105	%
			Silicon (Si)	2022/08/04		107	%
			Sodium (Na)	2022/08/04		105	%
			Strontium (Sr)	2022/08/04		106	%
			Thallium (Tl)	2022/08/04		117	%
			Titanium (Ti)	2022/08/04		105	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Tungsten (W)	2022/08/04		107	%
			Uranium (U)	2022/08/04		103	%
			Vanadium (V)	2022/08/04		103	%
			Zinc (Zn)	2022/08/04		100	%
2319220	ABT	Method Blank	Aluminum (Al)	2022/08/04	<30		ug/L
			Antimony (Sb)	2022/08/04	<3.0		ug/L
			Silver (Ag)	2022/08/04	<0.30		ug/L
			Arsenic (As)	2022/08/04	<0.30		ug/L
			Barium (Ba)	2022/08/04	<20		ug/L
			Beryllium (Be)	2022/08/04	<2.0		ug/L
			Bismuth (Bi)	2022/08/04	<50		ug/L
			Boron (B)	2022/08/04	<50		ug/L
			Cadmium (Cd)	2022/08/04	<1.0		ug/L
			Calcium (Ca)	2022/08/04	<500		ug/L
			Chromium (Cr)	2022/08/04	<5.0		ug/L
			Cobalt (Co)	2022/08/04	<20		ug/L
			Copper (Cu)	2022/08/04	<3.0		ug/L
			Total Hardness (CaCO3)	2022/08/04	<1000		ug/L
			Tin (Sn)	2022/08/04	<50		ug/L
			Iron (Fe)	2022/08/04	<100		ug/L
			Lithium (Li)	2022/08/04	<100		ug/L
			Magnesium (Mg)	2022/08/04	<200		ug/L
			Manganese (Mn)	2022/08/04	<3.0		ug/L
			Mercury (Hg)	2022/08/04	<0.10		ug/L
			Molybdenum (Mo)	2022/08/04	<10		ug/L
			Nickel (Ni)	2022/08/04	<10		ug/L
			Phosphorus	2022/08/04	<10		ug/L
			Lead (Pb)	2022/08/04	<1.0		ug/L
			Potassium (K)	2022/08/04	<200		ug/L
			Selenium (Se)	2022/08/04	<1.0		ug/L
			Silicon (Si)	2022/08/04	<100		ug/L
			Sodium (Na)	2022/08/04	<200		ug/L
			Strontium (Sr)	2022/08/04	<50		ug/L
			Thallium (Tl)	2022/08/04	<10		ug/L
			Titanium (Ti)	2022/08/04	<50		ug/L
			Tungsten (W)	2022/08/04	<10		ug/L
			Uranium (U)	2022/08/04	<2.0		ug/L
			Vanadium (V)	2022/08/04	<10		ug/L
			Zinc (Zn)	2022/08/04	<5.0		ug/L
2319226	ABT	Spiked Blank	Aluminum (Al)	2022/08/04		109	%
			Antimony (Sb)	2022/08/04		112	%
			Silver (Ag)	2022/08/04		106	%
			Arsenic (As)	2022/08/04		108	%
			Barium (Ba)	2022/08/04		102	%
			Beryllium (Be)	2022/08/04		104	%
			Bismuth (Bi)	2022/08/04		111	%
			Boron (B)	2022/08/04		116	%
			Cadmium (Cd)	2022/08/04		105	%
			Calcium (Ca)	2022/08/04		96	%
			Chromium (Cr)	2022/08/04		103	%
			Cobalt (Co)	2022/08/04		101	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Copper (Cu)	2022/08/04		99	%
			Tin (Sn)	2022/08/04		112	%
			Iron (Fe)	2022/08/04		105	%
			Lithium (Li)	2022/08/04		107	%
			Magnesium (Mg)	2022/08/04		105	%
			Manganese (Mn)	2022/08/04		106	%
			Mercury (Hg)	2022/08/04		99	%
			Molybdenum (Mo)	2022/08/04		114	%
			Nickel (Ni)	2022/08/04		101	%
			Phosphorus	2022/08/04		104	%
			Lead (Pb)	2022/08/04		103	%
			Potassium (K)	2022/08/04		104	%
			Selenium (Se)	2022/08/04		105	%
			Silicon (Si)	2022/08/04		104	%
			Sodium (Na)	2022/08/04		104	%
			Strontium (Sr)	2022/08/04		103	%
			Thallium (Tl)	2022/08/04		117	%
			Titanium (Ti)	2022/08/04		104	%
			Tungsten (W)	2022/08/04		109	%
			Uranium (U)	2022/08/04		102	%
			Vanadium (V)	2022/08/04		99	%
			Zinc (Zn)	2022/08/04		101	%
2319226	ABT	Method Blank	Aluminum (Al)	2022/08/04	<30		ug/L
			Antimony (Sb)	2022/08/04	<3.0		ug/L
			Silver (Ag)	2022/08/04	<0.30		ug/L
			Arsenic (As)	2022/08/04	<0.30		ug/L
			Barium (Ba)	2022/08/04	<20		ug/L
			Beryllium (Be)	2022/08/04	<2.0		ug/L
			Bismuth (Bi)	2022/08/04	<50		ug/L
			Boron (B)	2022/08/04	<50		ug/L
			Cadmium (Cd)	2022/08/04	<1.0		ug/L
			Calcium (Ca)	2022/08/04	<500		ug/L
			Chromium (Cr)	2022/08/04	<5.0		ug/L
			Cobalt (Co)	2022/08/04	<20		ug/L
			Copper (Cu)	2022/08/04	<3.0		ug/L
			Total Hardness (CaCO3)	2022/08/04	<1000		ug/L
			Tin (Sn)	2022/08/04	<50		ug/L
			Iron (Fe)	2022/08/04	<100		ug/L
			Lithium (Li)	2022/08/04	<100		ug/L
			Magnesium (Mg)	2022/08/04	<200		ug/L
			Manganese (Mn)	2022/08/04	<3.0		ug/L
			Mercury (Hg)	2022/08/04	<0.10		ug/L
			Molybdenum (Mo)	2022/08/04	<10		ug/L
			Nickel (Ni)	2022/08/04	<10		ug/L
			Phosphorus	2022/08/04	<10		ug/L
			Lead (Pb)	2022/08/04	<1.0		ug/L
			Potassium (K)	2022/08/04	<200		ug/L
			Selenium (Se)	2022/08/04	<1.0		ug/L
			Silicon (Si)	2022/08/04	<100		ug/L
			Sodium (Na)	2022/08/04	<200		ug/L
			Strontium (Sr)	2022/08/04	<50		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Thallium (Tl)	2022/08/04	<10		ug/L
			Titanium (Ti)	2022/08/04	<50		ug/L
			Tungsten (W)	2022/08/04	<10		ug/L
			Uranium (U)	2022/08/04	<2.0		ug/L
			Vanadium (V)	2022/08/04	<10		ug/L
			Zinc (Zn)	2022/08/04	<5.0		ug/L
2319416	ZZH	Spiked Blank	Total Dissolved Solids	2022/08/06		99	%
2319416	ZZH	Method Blank	Total Dissolved Solids	2022/08/06	<10		mg/L
2319420	ZZH	Spiked Blank	Total Dissolved Solids	2022/08/08		99	%
2319420	ZZH	Method Blank	Total Dissolved Solids	2022/08/08	<10		mg/L
2319421	ZZH	Spiked Blank	Total Dissolved Solids	2022/08/08		98	%
2319421	ZZH	Method Blank	Total Dissolved Solids	2022/08/08	<10		mg/L
2320033	BKI	Spiked Blank	Cerium (Ce)	2022/08/09		110	%
			Cesium (Cs)	2022/08/09		110	%
			Dysprosium (Dy)	2022/08/09		108	%
			Erbium (Er)	2022/08/09		109	%
			Europium (Eu)	2022/08/09		109	%
			Gadolinium (Gd)	2022/08/09		110	%
			Holmium (Ho)	2022/08/09		109	%
			Lanthanum (La)	2022/08/09		111	%
			Lutetium (Lu)	2022/08/09		108	%
			Neodymium (Nd)	2022/08/09		112	%
			Praseodymium (Pr)	2022/08/09		110	%
			Rhodium (Rh)	2022/08/09		115	%
			Rubidium (Rb)	2022/08/09		113	%
			Samarium (Sm)	2022/08/09		109	%
			Scandium (Sc)	2022/08/09		107	%
			Terbium (Tb)	2022/08/09		108	%
			Thorium (Th)	2022/08/09		98	%
			Thulium (Tm)	2022/08/09		108	%
			Ytterbium (Yb)	2022/08/09		111	%
			Yttrium (Y)	2022/08/09		112	%
2320033	BKI	Method Blank	Cerium (Ce)	2022/08/09	<0.30		ug/L
			Cesium (Cs)	2022/08/09	<2.0		ug/L
			Dysprosium (Dy)	2022/08/09	<2.0		ug/L
			Erbium (Er)	2022/08/09	<0.50		ug/L
			Europium (Eu)	2022/08/09	<0.40		ug/L
			Gadolinium (Gd)	2022/08/09	<0.50		ug/L
			Holmium (Ho)	2022/08/09	<0.30		ug/L
			Lanthanum (La)	2022/08/09	<0.30		ug/L
			Lutetium (Lu)	2022/08/09	<1.0		ug/L
			Neodymium (Nd)	2022/08/09	<2.0		ug/L
			Praseodymium (Pr)	2022/08/09	<0.40		ug/L
			Rhodium (Rh)	2022/08/09	<0.20		ug/L
			Rubidium (Rb)	2022/08/09	<2.0		ug/L
			Samarium (Sm)	2022/08/09	<2.0		ug/L
			Scandium (Sc)	2022/08/09	<3.0		ug/L
			Terbium (Tb)	2022/08/09	<1.0		ug/L
			Thorium (Th)	2022/08/09	<2.0		ug/L
			Thulium (Tm)	2022/08/09	<0.30		ug/L
			Ytterbium (Yb)	2022/08/09	<3.0		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Yttrium (Y)	2022/08/09	<2.0		ug/L
2320035	BKI	Spiked Blank	Cerium (Ce)	2022/08/09		111	%
			Cesium (Cs)	2022/08/09		110	%
			Dysprosium (Dy)	2022/08/09		109	%
			Erbium (Er)	2022/08/09		110	%
			Europium (Eu)	2022/08/09		110	%
			Gadolinium (Gd)	2022/08/09		111	%
			Holmium (Ho)	2022/08/09		110	%
			Lanthanum (La)	2022/08/09		111	%
			Lutetium (Lu)	2022/08/09		109	%
			Neodymium (Nd)	2022/08/09		112	%
			Praseodymium (Pr)	2022/08/09		111	%
			Rhodium (Rh)	2022/08/09		116	%
			Rubidium (Rb)	2022/08/09		114	%
			Samarium (Sm)	2022/08/09		110	%
			Scandium (Sc)	2022/08/09		113	%
			Terbium (Tb)	2022/08/09		109	%
			Thorium (Th)	2022/08/09		100	%
			Thulium (Tm)	2022/08/09		109	%
			Ytterbium (Yb)	2022/08/09		111	%
			Yttrium (Y)	2022/08/09		112	%
2320035	BKI	Method Blank	Cerium (Ce)	2022/08/09	<0.30		ug/L
			Cesium (Cs)	2022/08/09	<2.0		ug/L
			Dysprosium (Dy)	2022/08/09	<2.0		ug/L
			Erbium (Er)	2022/08/09	<0.50		ug/L
			Europium (Eu)	2022/08/09	<0.40		ug/L
			Gadolinium (Gd)	2022/08/09	<0.50		ug/L
			Holmium (Ho)	2022/08/09	<0.30		ug/L
			Lanthanum (La)	2022/08/09	<0.30		ug/L
			Lutetium (Lu)	2022/08/09	<1.0		ug/L
			Neodymium (Nd)	2022/08/09	<2.0		ug/L
			Praseodymium (Pr)	2022/08/09	<0.40		ug/L
			Rhodium (Rh)	2022/08/09	<0.20		ug/L
			Rubidium (Rb)	2022/08/09	<2.0		ug/L
			Samarium (Sm)	2022/08/09	<2.0		ug/L
			Scandium (Sc)	2022/08/09	<3.0		ug/L
			Terbium (Tb)	2022/08/09	<1.0		ug/L
			Thorium (Th)	2022/08/09	<2.0		ug/L
			Thulium (Tm)	2022/08/09	<0.30		ug/L
			Ytterbium (Yb)	2022/08/09	<3.0		ug/L
			Yttrium (Y)	2022/08/09	<2.0		ug/L
2320201	BKI	Spiked Blank	Cerium (Ce)	2022/08/09		112	%
			Cesium (Cs)	2022/08/09		100	%
			Dysprosium (Dy)	2022/08/09		111	%
			Erbium (Er)	2022/08/09		111	%
			Europium (Eu)	2022/08/09		111	%
			Gadolinium (Gd)	2022/08/09		113	%
			Holmium (Ho)	2022/08/09		111	%
			Lanthanum (La)	2022/08/09		113	%
			Lutetium (Lu)	2022/08/09		110	%
			Neodymium (Nd)	2022/08/09		111	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Praseodymium (Pr)	2022/08/09		112	%
			Rhodium (Rh)	2022/08/09		105	%
			Rubidium (Rb)	2022/08/09		115	%
			Samarium (Sm)	2022/08/09		112	%
			Scandium (Sc)	2022/08/09		99	%
			Terbium (Tb)	2022/08/09		111	%
			Thorium (Th)	2022/08/09		100	%
			Thulium (Tm)	2022/08/09		110	%
			Ytterbium (Yb)	2022/08/09		112	%
			Yttrium (Y)	2022/08/09		114	%
2320201	BKI	Method Blank	Cerium (Ce)	2022/08/09	<0.30		ug/L
			Cesium (Cs)	2022/08/09	<2.0		ug/L
			Dysprosium (Dy)	2022/08/09	<2.0		ug/L
			Erbium (Er)	2022/08/09	<0.50		ug/L
			Europium (Eu)	2022/08/09	<0.40		ug/L
			Gadolinium (Gd)	2022/08/09	<0.50		ug/L
			Holmium (Ho)	2022/08/09	<0.30		ug/L
			Lanthanum (La)	2022/08/09	<0.30		ug/L
			Lutetium (Lu)	2022/08/09	<1.0		ug/L
			Neodymium (Nd)	2022/08/09	<2.0		ug/L
			Praseodymium (Pr)	2022/08/09	<0.40		ug/L
			Rhodium (Rh)	2022/08/09	<0.20		ug/L
			Rubidium (Rb)	2022/08/09	<2.0		ug/L
			Samarium (Sm)	2022/08/09	<2.0		ug/L
			Scandium (Sc)	2022/08/09	<3.0		ug/L
			Terbium (Tb)	2022/08/09	<1.0		ug/L
			Thorium (Th)	2022/08/09	<2.0		ug/L
			Thulium (Tm)	2022/08/09	<0.30		ug/L
			Ytterbium (Yb)	2022/08/09	<3.0		ug/L
			Yttrium (Y)	2022/08/09	<2.0		ug/L
2320651	BKI	Spiked Blank	Cerium (Ce)	2022/08/10		110	%
			Cesium (Cs)	2022/08/10		111	%
			Dysprosium (Dy)	2022/08/10		108	%
			Erbium (Er)	2022/08/10		109	%
			Europium (Eu)	2022/08/10		107	%
			Gadolinium (Gd)	2022/08/10		109	%
			Holmium (Ho)	2022/08/10		108	%
			Lanthanum (La)	2022/08/10		110	%
			Lutetium (Lu)	2022/08/10		109	%
			Neodymium (Nd)	2022/08/10		110	%
			Praseodymium (Pr)	2022/08/10		109	%
			Rhodium (Rh)	2022/08/10		104	%
			Rubidium (Rb)	2022/08/10		115	%
			Samarium (Sm)	2022/08/10		108	%
			Scandium (Sc)	2022/08/10		98	%
			Terbium (Tb)	2022/08/10		108	%
			Thorium (Th)	2022/08/10		114	%
			Thulium (Tm)	2022/08/10		108	%
			Ytterbium (Yb)	2022/08/10		111	%
			Yttrium (Y)	2022/08/10		113	%
2320651	BKI	Method Blank	Cerium (Ce)	2022/08/10	<0.30		ug/L

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Cesium (Cs)	2022/08/10	<2.0		ug/L
			Dysprosium (Dy)	2022/08/10	<2.0		ug/L
			Erbium (Er)	2022/08/10	<0.50		ug/L
			Europium (Eu)	2022/08/10	<0.40		ug/L
			Gadolinium (Gd)	2022/08/10	<0.50		ug/L
			Holmium (Ho)	2022/08/10	<0.30		ug/L
			Lanthanum (La)	2022/08/10	<0.30		ug/L
			Lutetium (Lu)	2022/08/10	<1.0		ug/L
			Neodymium (Nd)	2022/08/10	<2.0		ug/L
			Praseodymium (Pr)	2022/08/10	<0.40		ug/L
			Rhodium (Rh)	2022/08/10	<0.20		ug/L
			Rubidium (Rb)	2022/08/10	<2.0		ug/L
			Samarium (Sm)	2022/08/10	<2.0		ug/L
			Scandium (Sc)	2022/08/10	<3.0		ug/L
			Terbium (Tb)	2022/08/10	<1.0		ug/L
			Thorium (Th)	2022/08/10	<2.0		ug/L
			Thulium (Tm)	2022/08/10	<0.30		ug/L
			Ytterbium (Yb)	2022/08/10	<3.0		ug/L
			Yttrium (Y)	2022/08/10	<2.0		ug/L
2322392	ZEO	Spiked Blank	Aluminum (Al)	2022/08/15		99	%
			Antimony (Sb)	2022/08/15		104	%
			Silver (Ag)	2022/08/15		83	%
			Arsenic (As)	2022/08/15		101	%
			Barium (Ba)	2022/08/15		103	%
			Beryllium (Be)	2022/08/15		94	%
			Bismuth (Bi)	2022/08/15		98	%
			Boron (B)	2022/08/15		98	%
			Cadmium (Cd)	2022/08/15		93	%
			Calcium (Ca)	2022/08/15		99	%
			Chromium (Cr)	2022/08/15		101	%
			Cobalt (Co)	2022/08/15		99	%
			Copper (Cu)	2022/08/15		94	%
			Tin (Sn)	2022/08/15		104	%
			Iron (Fe)	2022/08/15		101	%
			Lithium (Li)	2022/08/15		91	%
			Magnesium (Mg)	2022/08/15		103	%
			Manganese (Mn)	2022/08/15		97	%
			Mercury (Hg)	2022/08/15		104	%
			Molybdenum (Mo)	2022/08/15		101	%
			Nickel (Ni)	2022/08/15		96	%
			Phosphorus	2022/08/15		95	%
			Lead (Pb)	2022/08/15		100	%
			Potassium (K)	2022/08/15		103	%
			Selenium (Se)	2022/08/15		98	%
			Silicon (Si)	2022/08/15		91	%
			Sodium (Na)	2022/08/15		111	%
			Strontium (Sr)	2022/08/15		102	%
			Thallium (Tl)	2022/08/15		91	%
			Titanium (Ti)	2022/08/15		101	%
			Tungsten (W)	2022/08/15		96	%
			Uranium (U)	2022/08/15		102	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Vanadium (V)	2022/08/15		101	%
			Zinc (Zn)	2022/08/15		92	%
2322392	ZEO	Method Blank	Aluminum (Al)	2022/08/15	<30		ug/L
			Antimony (Sb)	2022/08/15	<3.0		ug/L
			Silver (Ag)	2022/08/15	<0.30		ug/L
			Arsenic (As)	2022/08/15	<0.30		ug/L
			Barium (Ba)	2022/08/15	<20		ug/L
			Beryllium (Be)	2022/08/15	<2.0		ug/L
			Bismuth (Bi)	2022/08/15	<50		ug/L
			Boron (B)	2022/08/15	<50		ug/L
			Cadmium (Cd)	2022/08/15	<1.0		ug/L
			Calcium (Ca)	2022/08/15	<500		ug/L
			Chromium (Cr)	2022/08/15	<5.0		ug/L
			Cobalt (Co)	2022/08/15	<20		ug/L
			Copper (Cu)	2022/08/15	<3.0		ug/L
			Total Hardness (CaCO3)	2022/08/15	<1000		ug/L
			Tin (Sn)	2022/08/15	<50		ug/L
			Iron (Fe)	2022/08/15	<100		ug/L
			Lithium (Li)	2022/08/15	<100		ug/L
			Magnesium (Mg)	2022/08/15	<200		ug/L
			Manganese (Mn)	2022/08/15	<3.0		ug/L
			Mercury (Hg)	2022/08/15	<0.10		ug/L
			Molybdenum (Mo)	2022/08/15	<10		ug/L
			Nickel (Ni)	2022/08/15	<10		ug/L
			Phosphorus	2022/08/15	<10		ug/L
			Lead (Pb)	2022/08/15	<1.0		ug/L
			Potassium (K)	2022/08/15	<200		ug/L
			Selenium (Se)	2022/08/15	<1.0		ug/L
			Silicon (Si)	2022/08/15	<100		ug/L
			Sodium (Na)	2022/08/15	440, RDL=200		ug/L
			Strontium (Sr)	2022/08/15	<50		ug/L
			Thallium (Tl)	2022/08/15	<10		ug/L
			Titanium (Ti)	2022/08/15	<50		ug/L
			Tungsten (W)	2022/08/15	<10		ug/L
			Uranium (U)	2022/08/15	<2.0		ug/L
			Vanadium (V)	2022/08/15	<10		ug/L
			Zinc (Zn)	2022/08/15	<5.0		ug/L
2327535	BKI	Spiked Blank	Cerium (Ce)	2022/09/06		111	%
			Cesium (Cs)	2022/09/06		112	%
			Dysprosium (Dy)	2022/09/06		107	%
			Erbium (Er)	2022/09/06		108	%
			Europium (Eu)	2022/09/06		110	%
			Gadolinium (Gd)	2022/09/06		111	%
			Holmium (Ho)	2022/09/06		110	%
			Lanthanum (La)	2022/09/06		113	%
			Lutetium (Lu)	2022/09/06		112	%
			Neodymium (Nd)	2022/09/06		110	%
			Praseodymium (Pr)	2022/09/06		113	%
			Rhodium (Rh)	2022/09/06		120	%
			Rubidium (Rb)	2022/09/06		114	%

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	Units
			Samarium (Sm)	2022/09/06		113	%
			Scandium (Sc)	2022/09/06		118	%
			Terbium (Tb)	2022/09/06		109	%
			Thorium (Th)	2022/09/06		99	%
			Thulium (Tm)	2022/09/06		110	%
			Ytterbium (Yb)	2022/09/06		115	%
			Yttrium (Y)	2022/09/06		114	%
2327535	BKI	Method Blank	Cerium (Ce)	2022/09/06	<0.30		ug/L
			Cesium (Cs)	2022/09/06	<2.0		ug/L
			Dysprosium (Dy)	2022/09/06	<2.0		ug/L
			Erbium (Er)	2022/09/06	<0.50		ug/L
			Europium (Eu)	2022/09/06	<0.40		ug/L
			Gadolinium (Gd)	2022/09/06	<0.50		ug/L
			Holmium (Ho)	2022/09/06	<0.30		ug/L
			Lanthanum (La)	2022/09/06	<0.30		ug/L
			Lutetium (Lu)	2022/09/06	<1.0		ug/L
			Neodymium (Nd)	2022/09/06	<2.0		ug/L
			Praseodymium (Pr)	2022/09/06	<0.40		ug/L
			Rhodium (Rh)	2022/09/06	<0.20		ug/L
			Rubidium (Rb)	2022/09/06	<2.0		ug/L
			Samarium (Sm)	2022/09/06	<2.0		ug/L
			Scandium (Sc)	2022/09/06	<3.0		ug/L
			Terbium (Tb)	2022/09/06	<1.0		ug/L
			Thorium (Th)	2022/09/06	<2.0		ug/L
			Thulium (Tm)	2022/09/06	<0.30		ug/L
			Ytterbium (Yb)	2022/09/06	<3.0		ug/L
			Yttrium (Y)	2022/09/06	<2.0		ug/L

RDL = Reportable Detection Limit

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

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VALIDATION SIGNATURE PAGE(CONT'D)

The analytical data and all QC contained in this report were reviewed and validated by:

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Bureau Veritas
889, Montée de Liesse. Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200	Address	5582 boulevard des Hêtres	Project #	22-0186	Chain Of Custody Record	Project Manager
	Montréal QC H3B 4W8		Shawinigan QC G9N 4W1	Project Name		C#251243-01-01	Madison Tremblay
Phone	Fax:	Phone	Fax:	Site #			
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10ºC) from time of sampling until delivery to Bureau Veritas

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
(will be applied if Rush TAT is not specified)
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Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SOUTERRAINE - Projet 22-0186	Analysis Requested: Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		NMX- P01R	31/07/22	12h40	E. Sout	N	Y	X		10	
2		NMX-P01D	31/07/22	12h20	E. Sout	N	Y	X		10	
3		NMX-P02R	31/07/22	14h45	E. Sout	N	Y	X		10	
4		NMX P02D	31/07/22	14h30	E. Sout	N	Y	X		6	Manque blocs: Puits à sec
5		NMX-P03R	31/07/22	15h05	E. Sout	N	Y	X		10	
6		NMX-P04R	31/07/22	13h30	E. Sout	N	Y	X		10	
7		NMX-P05R	30/07/22	9h05	E. Sout	N	Y	X		10	
8		NMX-P05D	30/07/22	8h30	E Sout	N	Y	X		10	
9		NMX-P06R	29/07/22	15h40	E Sout	N	Y	X		10	
10		NMX-P07D	29/07/30	17h30	E. Sout	N	Y	X		10	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
	22/08/01				16h00.		☐	10-9-11	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

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White: Bureau Veritas Yellow: Client

T329
VCL

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel (514) 448-9001 Toll-free (877) 462-9926 x Fax (514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-02-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify): _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

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Analysis Requested

Turnaround Time (TAT) Required

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Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	EAU SOUTERRAINE - Projet 22-0186	Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		NMX-P07R	29/07/22	16h30	E.Sout	N	Y	X		10	
2		NMX -P08R	30/07/22	11h00	Esout	N	Y	X		10	
3		NMX-P08D	30/07/22	10h15	Esout	N	Y	X		10	
4		NMX-P09R	30/07/22	12h30	E.Sout	N	Y	X		10	
5		NMX-P09D	29/07/22	17h45	E.Sout	N	Y	X		10	
6		NMX-P10	30/07/22	14h30	E.Sout	N	Y	X		10	
7		NMX-P11	30/07/22	14h00	E Sout	N	Y	X		10	
8		NMX-P12	30/07/22	15h00	E.Sout	N	Y	X		10	
9		NMX-P13	30/07/22	16h00	E.Sout	N	Y	X		10	
10		NMX-P14	30/07/22	16h50	E Sout	N	Y	X		10	

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
Jeff Sout	22/08/04		[illegible]				☐		☐ Yes ☐ No

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White: Bureau Veritas Yellow: Client

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-03-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify)

Special Instructions

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	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SOUTERRAINE - Projet 22-0186	Analysis Requested: Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		NMX-P15	30/07/22	17h30	Eaut	N	Y	X		10	
2		Pz19	31/07/22	9h40	Eaut	N	Y	X		10	
3		~~Pz20~~ PO20	31/07/22	9h45	Eaut	N	Y	X		10	
4		~~Pz21~~						X			
5		Pz22	31-07-22	9h15	Eaut	N	Y	X		10	
6		~~PO19~~						X			
7		~~PO20~~ P220	31/07/22	9h15	Eaut	N	Y	X		10	
8		PO21	~~31/07/22~~ 31/07/22	~~10h45~~ 10h45	~~Eaut~~ Eaut	N	Y	X		~~10~~ 10	
9		Kit supplémentaire → D1	31/07/22	—	Eaut	N	Y	X		10	
10		Kit supplémentaire 2 D2	30/07/22	—	Eaut	N	Y	X		10	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
Zoé Gauvin	22/08/01		Client	16h00			☐		☐ Yes ☐ No

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-04-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

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	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	EAU SOUTERRAINE - Projet 22-0186	Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		KIt supplémentaire 3 D3	31-07-22	—	E.Sout	N	Y	X		10	
2		KIt supplémentaire 4						X			
3		KIt supplémentaire 5						X			
4		BLANC DE TRANSPORT1						X		10	
5		BLANC DE TRANSPORT2						X			
6		BLANC DE TERRAIN1	24-07-22	16h	E.sout	N		X		10	
7		BLANC DE TERRAIN2	30-07-22	10h00	E.sout	N		X		10	
8		BLANC DE TERRAIN3	31-07-22	10h00	E.sout	N		X		10	
9		BLANC DE TERRAIN4						X			
10		NMX- P01R							X		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
[illegible]	01/08/22		[illegible]			

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-05-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
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1		NMX-P01D							X		
2		NMX-P02R							X		
3		NMX P02D							X		
4		NMX-P03R							X		
5		NMX-P04R							X		
6		NMX-P05R							X		
7		NMX-P05D							X		
8		NMX-P06R							X		
9		NMX-P07D							X		
10		NMX-P07R							X		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
							☐		☐ Yes ☐ No
				16h					

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200	Address	5582 boulevard des Hêtres	Project #	22-0186	Chain Of Custody Record	Project Manager
	Montréal QC H3B 4W8		Shawinigan QC G9N 4W1	Project Name		C#251243-06-01	Madison Tremblay
Phone	Fax:	Phone	Fax:	Site #			
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Sampled By			

Regulatory Criteria

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- ☐ Hazardous Waste Reg.
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1		NMX -P08R							X		
2		NMX-P08D							X		
3		NMX-P09R							X		
4		NMX-P09D							X		
5		NMX-P10							X		
6		NMX-P11							X		
7		NMX-P12							X		
8		NMX-P13							X		
9		NMX-P14							X		
10		NMX-P15							X		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted

Lab Use Only

Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

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Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-07-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

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Analysis Requested

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	EAU SOUTERRAINE - Projet 22-0186	Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		Pz19	31/07/22	17h40	E. sout	N	Y		X	10	
2		~~Pz20~~ PO20	31/07/22	9h45	E. sout	N	Y		X	10	
3		Pz21							X		
4		Pz22	31-07-22	8h15	E. sout	N	Y		X	10	
5		~~PO19~~							X		
6		~~PO20~~ P220	31/07/22	9h15	E. sout	N	Y		X	10	
7		PO21	31/07/22	10h45	E. sout	N	Y		X	10	
8											
9											
10											

Turnaround Time (TAT) Required

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Jeff Dankert	22/09/01		Client 16h00			

Lab Use Only

Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

eCOC: Q71700

Expected TAT:	Standard TAT
Expected Arrival:	2022/08/01
Submitted By:	Rachel Hussherr
Submitted To:	Quebec City (Env lab)

Invoice Information

Dest.: Comptes payables
Nemaska Lithium Inc.
1250, boul.René-Lévesque Ouest
Suite 2200
Montréal , QC , H3B 4W8
Email to:
payables@nemaskalithium.com
jeannie.marchand@nemaskalithium.com

Report Information

Dest.: Rachel Hussherr
Groupe Synergis
5582
boulevard des Hêtres
Shawinigan , QC , G9N 4W1
Email to:
rhussherr@synergis.ca

Project Information

Quote #:	C20034
PO/AFE#:	
Project #:	22-0186
Site Location:	PO-souterraine

Analytical Summary

C239824_COC

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186	
NMX- P01R	1	2022/07/31	GROUND WATER	1	A	
NMX-P01D	2	2022/07/31	GROUND WATER	1	A	
NMX-P02R	3	2022/07/31	GROUND WATER	1	A	
NMX P02D	4	2022/07/31	GROUND WATER	1	A	
NMX-P03R	5	2022/07/31	GROUND WATER	1	A	
NMX-P04R	6	2022/07/31	GROUND WATER	1	A	
NMX-P05R	7	2022/07/31	GROUND WATER	1	A	
NMX-P05D	8	2022/07/31	GROUND WATER	1	A	
NMX-P06R	9	2022/07/31	GROUND WATER	1	A	X
NMX-P07D	10	2022/07/31	GROUND WATER	1	A	X
NMX-P07R	11	2022/07/31	GROUND WATER	1	A	
NMX -P08R	12	2022/07/31	GROUND WATER	1	A	
NMX-P08D	13	2022/07/31	GROUND WATER	1	A	

eCOC: Q71700

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186
NMX-P09R	14	2022/07/31	GROUND WATER	1	A
NMX-P09D	15	2022/07/31	GROUND WATER	1	A
NMX-P10	16	2022/07/31	GROUND WATER	1	A
NMX-P11	17	2022/07/31	GROUND WATER	1	A
NMX-P12	18	2022/07/31	GROUND WATER	1	A
NMX-P13	19	2022/07/31	GROUND WATER	1	A
NMX-P14	20	2022/07/31	GROUND WATER	1	A
NMX-P15	21	2022/07/31	GROUND WATER	1	A
Pz19	22	2022/07/31	GROUND WATER	1	A
Pz20	23	2022/07/31	GROUND WATER	1	A
~~Pz21~~	~~24~~	~~2022/07/31~~	~~GROUND WATER~~	~~1~~	~~A~~ NON
Pz22	25	2022/07/31	GROUND WATER	1	A
~~PO19~~	~~26~~	~~2022/07/31~~	~~GROUND WATER~~	~~1~~	~~A~~ NON
PO20	27	2022/07/31	GROUND WATER	1	A
PO21	28	2022/07/31	GROUND WATER	1	A
NMX- P01Rsg	29	2022/07/31	N/A	1	
NMX-P01Dsg	30	2022/07/31	N/A	1	
NMX-P02Rsg	31	2022/07/31	N/A	1	
NMX P02Dsg	32	2022/07/31	N/A	1	

Submission Information

# of Samples: 61

eCOC: Q71700

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186
NMX-P03Rsg	33	2022/07/31	N/A	1	
NMX-P04Rsg	34	2022/07/31	N/A	1	
NMX-P05Rsg	35	2022/07/31	N/A	1	
NMX-P05Dsg	36	2022/07/31	N/A	1	
NMX-P06Rsg	37	2022/07/31	N/A	1	
NMX-P07Dsg	38	2022/07/31	N/A	1	
NMX-P07Rsg	39	2022/07/31	N/A	1	
NMX -P08Rsg	40	2022/07/31	N/A	1	
NMX-P08Dsg	41	2022/07/31	N/A	1	
NMX-P09Rsg	42	2022/07/31	N/A	1	
NMX-P09Dsg	43	2022/07/31	N/A	1	
NMX-P10sg	44	2022/07/31	N/A	1	
NMX-P11sg	45	2022/07/31	N/A	1	
NMX-P12sg	46	2022/07/31	N/A	1	
NMX-P13sg	47	2022/07/31	N/A	1	
NMX-P14sg	48	2022/07/31	N/A	1	
NMX-P15sg	49	2022/07/31	N/A	1	
Pz19sg	50	2022/07/31	N/A	1	
Pz20sg	51	2022/07/31	N/A	1	
Pz21sg	52	2022/07/31	N/A	1	
Pz22sg	53	2022/07/31	N/A	1	
PO19sg	54	2022/07/31	N/A	1	
PO20sg	55	2022/07/31	N/A	1	
PO21sg	56	2022/07/31	N/A	1	
Kit supplémentaire	57	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 2	58	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 3	59	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 4	60	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 5	61	2022/07/31	GROUND WATER	1	A

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.

Parameter Summary

Package/Test	Parameter	RDL *	Unit	Samples
EAU SOUTERRAINE - Projet 22-0186	Sulfates (SO4)	0.15	mg/L	All
	Bromide (Br-)	0.1	mg/L	All
	Chloride (Cl)	0.05	mg/L	All
	Conductivity	0.001	mS/cm	All
	Dissolved Cerium (Ce)	0.3	ug/L	All
	Dissolved Cesium (Cs)	2	ug/L	All
	Dissolved Dysprosium (Dy)	2	ug/L	All
	Dissolved Erbium (Er)	0.5	ug/L	All
	Dissolved Europium (Eu)	0.4	ug/L	All
	Dissolved Gadolinium (Gd)	0.5	ug/L	All
	Dissolved Holmium (Ho)	0.3	ug/L	All
	Dissolved Lanthanum (La)	0.3	ug/L	All
	Dissolved Lutetium (Lu)	1	ug/L	All
	Dissolved Neodymium (Nd)	2	ug/L	All
	Dissolved Praseodymium (Pr)	0.4	ug/L	All
	Dissolved Rhodium (Rh)	0.2	ug/L	All
	Dissolved Rubidium (Rb)	2	ug/L	All
	Dissolved Samarium (Sm)	2	ug/L	All
	Dissolved Scandium (Sc)	3	ug/L	All
	Dissolved Terbium (Tb)	1	ug/L	All
	Dissolved Thorium (Th)	2	ug/L	All
	Dissolved Thulium (Tm)	0.3	ug/L	All
	Dissolved Ytterbium (Yb)	3	ug/L	All
	Dissolved Yttrium (Y)	2	ug/L	All
	Dissolved Aluminum (Al)	30	ug/L	All
	Dissolved Antimony (Sb)	3	ug/L	All
	Dissolved Silver (Ag)	0.3	ug/L	All
	Dissolved Arsenic (As)	0.3	ug/L	All
	Dissolved Barium (Ba)	20	ug/L	All
	Dissolved Beryllium (Be)	2	ug/L	All
	Dissolved Bismuth (Bi)	50	ug/L	All
	Dissolved Boron (B)	50	ug/L	All
	Dissolved Cadmium (Cd)	1	ug/L	All
	Dissolved Calcium (Ca)	500	ug/L	All
	Dissolved Chromium (Cr)	5	ug/L	All
	Dissolved Cobalt (Co)	20	ug/L	All
	Dissolved Copper (Cu)	3	ug/L	All
	Dissolved Total Hardness (CaCO3)	1000	ug/L	All
	Dissolved Tin (Sn)	50	ug/L	All
	Dissolved Iron (Fe)	100	ug/L	All
	Dissolved Lithium (Li)	100	ug/L	All
	Dissolved Magnesium (Mg)	200	ug/L	All
	Dissolved Manganese (Mn)	3	ug/L	All
	Dissolved Mercury (Hg)	0.1	ug/L	All

Parameter Summary

Package/Test	Parameter	RDL *	Unit	Samples
EAU SOUTERRAINE - Projet 22-0186	Dissolved Molybdenum (Mo)	10	ug/L	All
	Dissolved Nickel (Ni)	10	ug/L	All
	Dissolved Phosphorus	10	ug/L	All
	Dissolved Lead (Pb)	1	ug/L	All
	Dissolved Potassium (K)	200	ug/L	All
	Dissolved Selenium (Se)	1	ug/L	All
	Dissolved Silicon (Si)	100	ug/L	All
	Dissolved Sodium (Na)	200	ug/L	All
	Dissolved Strontium (Sr)	50	ug/L	All
	Dissolved Thallium (Tl)	10	ug/L	All
	Dissolved Titanium (Ti)	50	ug/L	All
	Dissolved Tungsten (W)	10	ug/L	All
	Dissolved Uranium (U)	2	ug/L	All
	Dissolved Vanadium (V)	10	ug/L	All
	Dissolved Zinc (Zn)	5	ug/L	All
	Fluoride (F)	0.01	mg/L	All
	Nitrates (N-NO3-)	0.02	mg/L	All
	Nitrites (N-NO2-)	0.02	mg/L	All
	Petroleum Hydrocarbons (C10-C50)	100	ug/L	All
	pH	N/A	pH	All
	Redox Potential	N/A	mV	All
	Bicarbonates (HCO3 as CaCO3)	1	mg/L	All
	Total Cyanide (CN)	0.003	mg/L	All
	Total Dissolved Solids	10	mg/L	All

**RDLs are subject to change based on interferences present at the time of analysis.*

eCOC: Q71700

Expected TAT: Standard TAT

Cost Estimate

#	Description	Matrix	Quote #	Rate	Test Total
33	EAU SOUTERRAINE - Projet 22-0186	GROUND WATER	C20034	$ 465.20	$ 15,351.60
28	Additional Silica Gel Clean-up	N/A	C20034	$ 25.80	$ 722.40
				Total (excluding applicable taxes):	**$ 16,074.00**

Prices listed above are estimates only and are subject to change

eCOC: Q71700

Expected TAT:	Standard TAT
Expected Arrival:	2022/08/01
Submitted By:	Rachel Hussherr
Submitted To:	Quebec City (Env lab)

Invoice Information

Dest.: Comptes payables
Nemaska Lithium Inc.
1250, boul.René-Lévesque Ouest
Suite 2200
Montréal , QC , H3B 4W8
Email to:
payables@nemaskalithium.com
jeannie.marchand@nemaskalithium.com

Report Information

Dest.: Rachel Hussherr
Groupe Synergis
5582
boulevard des Hêtres
Shawinigan , QC , G9N 4W1
Email to:
rhussherr@synergis.ca

Project Information

Quote #:	C20034
PO/AFE#:	
Project #:	22-0186
Site Location:	PO-souterraine

Analytical Summary

C239824_COC

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186	
NMX- P01R	1	2022/07/31	GROUND WATER	1	A	
NMX-P01D	2	2022/07/31	GROUND WATER	1	A	
NMX-P02R	3	2022/07/31	GROUND WATER	1	A	
NMX P02D	4	2022/07/31	GROUND WATER	1	A	
NMX-P03R	5	2022/07/31	GROUND WATER	1	A	
NMX-P04R	6	2022/07/31	GROUND WATER	1	A	
NMX-P05R	7	2022/07/31	GROUND WATER	1	A	
NMX-P05D	8	2022/07/31	GROUND WATER	1	A	
NMX-P06R	9	2022/07/31	GROUND WATER	1	A	X
NMX-P07D	10	2022/07/31	GROUND WATER	1	A	X
NMX-P07R	11	2022/07/31	GROUND WATER	1	A	
NMX -P08R	12	2022/07/31	GROUND WATER	1	A	
NMX-P08D	13	2022/07/31	GROUND WATER	1	A	

eCOC: Q71700

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186
NMX-P09R	14	2022/07/31	GROUND WATER	1	A
NMX-P09D	15	2022/07/31	GROUND WATER	1	A
NMX-P10	16	2022/07/31	GROUND WATER	1	A
NMX-P11	17	2022/07/31	GROUND WATER	1	A
NMX-P12	18	2022/07/31	GROUND WATER	1	A
NMX-P13	19	2022/07/31	GROUND WATER	1	A
NMX-P14	20	2022/07/31	GROUND WATER	1	A
NMX-P15	21	2022/07/31	GROUND WATER	1	A
Pz19	22	2022/07/31	GROUND WATER	1	A
Pz20	23	2022/07/31	GROUND WATER	1	A
~~Pz21~~	~~24~~	~~2022/07/31~~	~~GROUND WATER~~	~~1~~	~~A~~ NON
Pz22	25	2022/07/31	GROUND WATER	1	A
~~PO19~~	~~26~~	~~2022/07/31~~	~~GROUND WATER~~	~~1~~	~~A~~ NON
PO20	27	2022/07/31	GROUND WATER	1	A
PO21	28	2022/07/31	GROUND WATER	1	A
NMX- P01Rsg	29	2022/07/31	N/A	1	
NMX-P01Dsg	30	2022/07/31	N/A	1	
NMX-P02Rsg	31	2022/07/31	N/A	1	
NMX P02Dsg	32	2022/07/31	N/A	1	

eCOC: Q71700

Expected TAT: Standard TAT
Expected Arrival: 2022/08/01
Submitted By: Rachel Hussherr
Submitted To: Quebec City (Env lab)

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	EAU SOUTERRAINE - Projet 22-0186
NMX-P03Rsg	33	2022/07/31	N/A	1	
NMX-P04Rsg	34	2022/07/31	N/A	1	
NMX-P05Rsg	35	2022/07/31	N/A	1	
NMX-P05Dsg	36	2022/07/31	N/A	1	
NMX-P06Rsg	37	2022/07/31	N/A	1	
NMX-P07Dsg	38	2022/07/31	N/A	1	
NMX-P07Rsg	39	2022/07/31	N/A	1	
NMX -P08Rsg	40	2022/07/31	N/A	1	
NMX-P08Dsg	41	2022/07/31	N/A	1	
NMX-P09Rsg	42	2022/07/31	N/A	1	
NMX-P09Dsg	43	2022/07/31	N/A	1	
NMX-P10sg	44	2022/07/31	N/A	1	
NMX-P11sg	45	2022/07/31	N/A	1	
NMX-P12sg	46	2022/07/31	N/A	1	
NMX-P13sg	47	2022/07/31	N/A	1	
NMX-P14sg	48	2022/07/31	N/A	1	
NMX-P15sg	49	2022/07/31	N/A	1	
Pz19sg	50	2022/07/31	N/A	1	
Pz20sg	51	2022/07/31	N/A	1	
Pz21sg	52	2022/07/31	N/A	1	
Pz22sg	53	2022/07/31	N/A	1	
PO19sg	54	2022/07/31	N/A	1	
PO20sg	55	2022/07/31	N/A	1	
PO21sg	56	2022/07/31	N/A	1	
Kit supplémentaire	57	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 2	58	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 3	59	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 4	60	2022/07/31	GROUND WATER	1	A
Kit supplémentaire 5	61	2022/07/31	GROUND WATER	1	A

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.

eCOC: Q71700 Expected TAT: Standard TAT

Parameter Summary

Package/Test	Parameter	RDL *	Unit	Samples
EAU SOUTERRAINE - Projet 22-0186	Sulfates (SO4)	0.15	mg/L	All
	Bromide (Br-)	0.1	mg/L	All
	Chloride (Cl)	0.05	mg/L	All
	Conductivity	0.001	mS/cm	All
	Dissolved Cerium (Ce)	0.3	ug/L	All
	Dissolved Cesium (Cs)	2	ug/L	All
	Dissolved Dysprosium (Dy)	2	ug/L	All
	Dissolved Erbium (Er)	0.5	ug/L	All
	Dissolved Europium (Eu)	0.4	ug/L	All
	Dissolved Gadolinium (Gd)	0.5	ug/L	All
	Dissolved Holmium (Ho)	0.3	ug/L	All
	Dissolved Lanthanum (La)	0.3	ug/L	All
	Dissolved Lutetium (Lu)	1	ug/L	All
	Dissolved Neodymium (Nd)	2	ug/L	All
	Dissolved Praseodymium (Pr)	0.4	ug/L	All
	Dissolved Rhodium (Rh)	0.2	ug/L	All
	Dissolved Rubidium (Rb)	2	ug/L	All
	Dissolved Samarium (Sm)	2	ug/L	All
	Dissolved Scandium (Sc)	3	ug/L	All
	Dissolved Terbium (Tb)	1	ug/L	All
	Dissolved Thorium (Th)	2	ug/L	All
	Dissolved Thulium (Tm)	0.3	ug/L	All
	Dissolved Ytterbium (Yb)	3	ug/L	All
	Dissolved Yttrium (Y)	2	ug/L	All
	Dissolved Aluminum (Al)	30	ug/L	All
	Dissolved Antimony (Sb)	3	ug/L	All
	Dissolved Silver (Ag)	0.3	ug/L	All
	Dissolved Arsenic (As)	0.3	ug/L	All
	Dissolved Barium (Ba)	20	ug/L	All
	Dissolved Beryllium (Be)	2	ug/L	All
	Dissolved Bismuth (Bi)	50	ug/L	All
	Dissolved Boron (B)	50	ug/L	All
	Dissolved Cadmium (Cd)	1	ug/L	All
	Dissolved Calcium (Ca)	500	ug/L	All
	Dissolved Chromium (Cr)	5	ug/L	All
	Dissolved Cobalt (Co)	20	ug/L	All
	Dissolved Copper (Cu)	3	ug/L	All
	Dissolved Total Hardness (CaCO3)	1000	ug/L	All
	Dissolved Tin (Sn)	50	ug/L	All
	Dissolved Iron (Fe)	100	ug/L	All
	Dissolved Lithium (Li)	100	ug/L	All
	Dissolved Magnesium (Mg)	200	ug/L	All
	Dissolved Manganese (Mn)	3	ug/L	All
	Dissolved Mercury (Hg)	0.1	ug/L	All

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-01-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

Samples must be kept cool (< 10°C) from time of sampling until delivery to Bureau Veritas

Analysis Requested

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT

(will be applied if Rush TAT is not specified)

Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: _____ Time Required: _____

Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	EAU SOUTERRAINE - Projet 22-0186	Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		NMX- P01R	31/07/22	12h40	E. Sout	N	Y	X		10	
2		NMX-P01D	31/07/22	12h20	E. Sout	N	Y	X		10	
3		NMX-P02R	31/07/22	14h45	E. Sout	N	Y	X		10	
4		NMX P02D	31/07/22	14h30	E. Sout	N	Y	X		6	Manque d'eau: Puits à Sec
5		NMX-P03R	31/07/22	15h05	E. Sout	N	Y	X		10	
6		NMX-P04R	31/07/22	13h30	E. Sout	N	Y	X		10	
7		NMX-P05R	30/07/22	9h05	E. Sout	N	Y	X		10	
8		NMX-P05D	30/07/22	8h30	E. Sout	N	Y	X		10	
9		NMX-P06R	29/07/22	15h40	E. Sout	N	Y	X		10	
10		NMX-P07D	29/07/30	17h30	E. Sout	N	Y	X		10	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
<Signature removed>	22/08/01		<Signature removed>		16h00		☐	10-9-11	☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Bureau Veritas Yellow: Client

01 AUG 2022

T329
VCL

Bureau Veritas
889, Montée de Liesse, Saint-Laurent, Quebec Canada H4T 1P5 Tel:(514) 448-9001 Toll-free:(877) 462-9926 x Fax:(514) 448-9199 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #: 251243
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-03-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

- ☐ Action Guide(SPRCS)
- ☐ Hazardous Waste Reg.
- ☐ Surface Water Quality
- ☐ Dir. 019 (mining)
- ☐ Drinking Water Reg.
- ☐ CMM 2008-47
- ☐ CCME
- Other (specify)

Special Instructions

Note: For regulated drinking water samples - please use the Drinking Water Chain of Custody Form

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Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT ☐
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Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission) ☐
Date Required: _____ Time Required: _____
Please note that all samples received after 15:00 will be considered as received the following working day at 9:00.

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SOUTERRAINE - Projet 22-0186	Analysis Requested: Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		NMX-P15	30/07/22	17h30	E.Sout	N	Y	X		10	
2		Pz19	31/07/22	14h40	E.Sout	N	Y	X		10	
3		~~Pz20~~ PO20	31/07/22	9h45	E.Sout	N	Y	X		10	
4		~~Pz21~~						X			
5		Pz22	31-07-22	9h15	E.Sout	N	Y	X		10	
6		~~PO19~~						X			
7		~~PO20~~ P220	31/07/22	9h15	E.Sout	N	Y	X		10	
8		PO21	~~31/07/22~~	~~10h45~~	~~E.Sout~~	N	Y	X		~~10~~ 10	
9		KIt supplémentaire → D1	30/07/22	—	E.Sout	N	Y	X		10	
10		KIt supplémentaire 2 D2	30/07/22	—	E.Sout	N	Y	X		10	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only: Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
<Signature removed>	22/08/01		<Signature removed>	16/08			☐		☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS.

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White: Bureau Veritas Yellow: Client

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Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200	Address	5582 boulevard des Hêtres	Project #	22-0186	Chain Of Custody Record	Project Manager
	Montréal QC H3B 4W8		Shawinigan QC G9N 4W1	Project Name		C#251243-04-01	Madison Tremblay
Phone	Fax:	Phone	Fax:	Site #			
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Sampled By			

Regulatory Criteria

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- ☐ Hazardous Waste Reg.
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- ☐ Drinking Water Reg.
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- ☐ CCME
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	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	Analysis Requested: EAU SOUTERRAINE - Projet 22-0186	Analysis Requested: Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		KIt supplémentaire 3 D3	31-07-22	—	E.Sout	N	Y	X		10	
2		KIt supplémentaire 4						X			
3		KIt supplémentaire 5						X			
4		BLANC DE TRANSPORT1						X		10	
5		BLANC DE TRANSPORT2						X			
6		BLANC DE TERRAIN1	29-07-22	16h	E.sout	N		X		10	
7		BLANC DE TERRAIN2	30-07-22	10h00	E.sout	N		X		10	
8		BLANC DE TERRAIN3	31-07-22	10h00	E.sout	N		X		10	
9		BLANC DE TERRAIN4						X			
10		NMX- P01R							X		

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
<Signature removed>	01/08/22		<Signature removed>			

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

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INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-05-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

Regulatory Criteria

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- ☐ Hazardous Waste Reg.
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- ☐ CMM 2008-47
- ☐ CCME
- Other (specify) _____

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Analysis Requested

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water ? (Y / N)	Metals Field Filtered ? (Y / N)	EAU SOUTERRAINE - Projet 22-0186	Nettoyage additionnel au gel de silice	# of Bottles	Comments
1		NMX-P01D							X		
2		NMX-P02R							X		
3		NMX P02D							X		
4		NMX-P03R							X		
5		NMX-P04R							X		
6		NMX-P05R							X		
7		NMX-P05D							X		
8		NMX-P06R							X		
9		NMX-P07D							X		
10		NMX-P07R							X		

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* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
			<Signature removed>	16h		

Lab Use Only

Time Sensitive	Temperature (ºC) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

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Chain Of Custody Record

6/7

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#6122 Nemaska Lithium Inc.	Company Name	#8247 Groupe Synergis	Quotation #	C20034	Bureau Veritas Job #	Bottle Order #:
Contact Name	Comptes payables	Contact Name	Rachel Hussherr	P.O. #			251243
Address	1250, boul.René-Lévesque Ouest Suite 2200	Address	5582 boulevard des Hêtres	Project #	22-0186	Chain Of Custody Record	Project Manager
	Montréal QC H3B 4W8		Shawinigan QC G9N 4W1	Project Name		C#251243-06-01	Madison Tremblay
Phone	Fax:	Phone	Fax:	Site #			
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Sampled By			

Regulatory Criteria

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1		NMX -P08R							X		
2		NMX-P08D							X		
3		NMX-P09R							X		
4		NMX-P09D							X		
5		NMX-P10							X		
6		NMX-P11							X		
7		NMX-P12							X		
8		NMX-P13							X		
9		NMX-P14							X		
10		NMX-P15							X		

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			<Signature removed>				☐		☐ Yes ☐ No

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Address	1250, boul.René-Lévesque Ouest Suite 2200 Montréal QC H3B 4W8	Address	5582 boulevard des Hêtres Shawinigan QC G9N 4W1	Project #	22-0186	Chain Of Custody Record	Project Manager
Phone	Fax:	Phone	Fax:	Project Name		C#251243-07-01	Madison Tremblay
Email	payables@nemaskalithium.com;jeannie.marchand@ne	Email	rhussherr@synergis.ca	Site #			
				Sampled By			

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1		Pz19	31/07/22	17h40	E. souf	N	Y		X	10	
2		~~Pz20~~ PO20	31/07/22	9h45	E. souf	N	Y		X	10	
3		Pz21							X		
4		Pz22	31-07-22	8h15	E. souf	N	Y		X	10	
5		~~PO19~~							X		
6		~~PO20~~ P220	31/07/22	9h15	E. souf	N	Y		X	10	
7		PO21	31/07/22	10h45	E. souf	N	Y		X	10	
8											
9											
10											

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	Signature	Date: (YY/MM/DD)	Time	# jars used and not submitted
RELINQUISHED BY: (Signature/Print)	<Signature removed>	22/09/01		
RECEIVED BY: (Signature/Print)	<Signature removed>			

Lab Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
☐		☐ Yes ☐ No

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SIGNATURE OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE

White: Bureau Veritas Yellow: Client

Certificate of Analysis

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1983011
Date Submitted: 2022-08-03
Date Reported: 2022-08-10
Project: C239824
COC #: 894351

Dear Madison Tremblay:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

Emma-Dawn Ferguson 2022.08.10 11:46:54 -04'00'

APPROVAL: _____
Emma-Dawn Ferguson, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise indicated.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at: https://directory.cala.ca/.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is licensed by the Ontario Ministry of the Environment, Conservation, and Parks (MECP) for specific tests in drinking water (license #2318). A copy of the license is available upon request.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by the Ontario Ministry of Agriculture, Food, and Rural Affairs for specific tests in agricultural soils.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official provincial or federal guideline as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

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G1P 3S4
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PO#:
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Report Number: 1983011
Date Submitted: 2022-08-03
Date Reported: 2022-08-10
Project: C239824
COC #: 894351

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1641786 GW 2022-07-30 KS6534-NMX-P15	1641787 GW 2022-07-31 KS6535-Pz19	1641788 GW 2022-07-31 KS6536-Pz20	1641789 GW 2022-07-31 KS6537-Pz22
Redox Potential	REDOX Potential		mV		271	262	141.8	187.3

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1641790 GW 2022-07-31 KS6538-PO20	1641791 GW 2022-07-31 KS6539-PO21	1641792 GW 2022-07-29 KS6568-D1	1641793 GW 2022-07-30 KS6569-D2
Redox Potential	REDOX Potential		mV		98.7	99.0	164	133.5

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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2690 Avenue Dalton
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G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1983011
Date Submitted: 2022-08-03
Date Reported: 2022-08-10
Project: C239824
COC #: 894351

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1641794 GW 2022-07-31 KS6570-D3	1641795 GW 2022-07-31 KS6571-BLANC DE TRANSPORT1 LOT 22JL21-A	1641796 GW 2022-07-29 KS6572-BLANC DE TERRAIN1 LOT 22JL21-A	1641797 GW 2022-07-30 KS6578-BLANC DE TERRAIN2 LOT 22JL21-A
Redox Potential	REDOX Potential		mV		92.2	188.5	183.5	145.5

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.
					1641798 GW 2022-07-31 KS6579-BLANC DE TERRAIN3 LOT 22JL21-A
Redox Potential	REDOX Potential		mV		153.5

Guideline = *** = Guideline Exceedence**

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Report Number: 1983011
Date Submitted: 2022-08-03
Date Reported: 2022-08-10
Project: C239824
COC #: 894351

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 426920 **Analysis/Extraction Date** 2022-08-05 **Analyst** IP **Method** C SM2580B			
REDOX Potential	162 mV	97	97-103

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Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1983010
Date Submitted: 2022-08-03
Date Reported: 2022-08-10
Project: C239824
COC #: 894350

Dear Madison Tremblay:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

<Signature removed>

Emma-Dawn Ferguson
2022.08.10 11:37:54 -04'00'

APPROVAL: _____
Emma-Dawn Ferguson, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise indicated.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at: https://directory.cala.ca/.

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Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by the Ontario Ministry of Agriculture, Food, and Rural Affairs for specific tests in agricultural soils.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official provincial or federal guideline as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Certificate of Analysis

eurofins | Environment Testing

Client: Bureau Veritas Canada (2019) Inc. (Quebec)
2690 Avenue Dalton
Sainte-Foy, QC
G1P 3S4
Attention: Ms. Madison Tremblay
PO#:
Invoice to: Bureau Veritas Canada (2019) Inc. (Quebec)

Report Number: 1983010
Date Submitted: 2022-08-03
Date Reported: 2022-08-10
Project: C239824
COC #: 894350

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1641766 GW 2022-07-31 KS6513-(O29) NMX-P01R	1641767 GW 2022-07-31 KS6514-NMX-P01D	1641768 GW 2022-07-31 KS6515-NMX-P02R	1641769 GW 2022-07-31 KS6516-NMX-P02D
Redox Potential	REDOX Potential		mV		203	211	218	204

Group	Analyte	MRL	Units	Guideline	Lab I.D. / Sample Matrix / Sample Type / Sampling Date / Sample I.D.			
					1641770 GW 2022-07-31 KS6517-NMX-P03R	1641771 GW 2022-07-31 KS6518-NMX-P04R	1641772 GW 2022-07-30 KS6519-NMX-P05R	1641773 GW 2022-07-30 KS6520-NMX-P05D
Redox Potential	REDOX Potential		mV		220	223	221	222

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

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				Lab I.D.	1641774	1641775	1641776	1641777
				Sample Matrix	GW	GW	GW	GW
				Sample Type				
				Sampling Date	2022-07-29	2022-07-29	2022-07-29	2022-07-30
				Sample I.D.	KS6521-NMX-P06R	KS6522-NMX-P07D	KS6524-NMX-P07R	KS6525-NMX-P08R
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Redox Potential	REDOX Potential		mV		227	75.8	89.7	22.8

				Lab I.D.	1641778	1641779	1641780	1641781
				Sample Matrix	GW	GW	GW	GW
				Sample Type				
				Sampling Date	2022-07-30	2022-07-30	2022-07-30	2022-07-30
				Sample I.D.	KS6526-NMX-P08D	KS6527-NMX-P09R	KS6528-NMX-P09D	KS6529-NMX-P10
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Redox Potential	REDOX Potential		mV		81.7	29.0	152.7	123.7

Guideline = *** = Guideline Exceedence**

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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Project: C239824
COC #: 894350

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1641782 GW 2022-07-30 KS6530-NMX-P11	1641783 GW 2022-07-30 KS6531-NMX-P12	1641784 GW 2022-07-30 KS6532-NMX-P13	1641785 GW 2022-07-30 KS6533-NMX-P14
Redox Potential	REDOX Potential		mV			115.3	388	308	281

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Certificate of Analysis

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Date Submitted: 2022-08-03
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Project: C239824
COC #: 894350

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 426920 **Analysis/Extraction Date** 2022-08-05 **Analyst** IP **Method** C SM2580B			
REDOX Potential	162 mV	97	97-103

Guideline = *** = Guideline Exceedence**

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environnement et Lutte contre les changements climatiques
Québec

Direction de l'analyse chimique
850 boul. Vanier
Laval (Québec) H7C 2M7
Tél.: 450 664-1750
Fax: 450 661-8512

Certificat d'analyse

Client: Bureau Veritas Canada (2019) Inc. - Québec
2690, Dalton
Québec (Québec) G1P 3S4

Nom de projet: Maxxam Québec
Responsable: Maxxam Analytics
Téléphone: 418-658-5784
Code projet client:

Date de réception: 3 août 2022
Numéro de dossier: L060162
Bon de commande: C239824
Code projet CEAEQ: 1161

Numéro de l'échantillon : L060162-01

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6513-(029) NMX-P01R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	2,80	mg/l	0,15

Numéro de l'échantillon : L060162-02

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6514- NMX-P01D
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	3,65	mg/l	0,15

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Version 1 (1368334)

Certificat d'analyse (suite de l'échantillon numéro : L060162-03)

Numéro de l'échantillon : L060162-03

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6515- NMX-P02R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	5,15	mg/l	0,15

Numéro de l'échantillon : L060162-04

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6516-NMX-P02D
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	2,44	mg/l	0,15

Numéro de l'échantillon : L060162-05

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6517-NMX-P03R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	7,40	mg/l	0,15

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Version 1 (1368334)

Certificat d'analyse (suite de l'échantillon numéro : L060162-06)

Numéro de l'échantillon : L060162-06

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6518-NMX-P04R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	9,65	mg/l	0,15

Numéro de l'échantillon : L060162-07

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6519-NMX-P05R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	0,67	mg/l	0,15

Numéro de l'échantillon : L060162-08

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6520-NMX-P05D
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	0,70	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-09)

Numéro de l'échantillon : L060162-09

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS6521- NMX-P06R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	16,8	mg/l	0,15

Numéro de l'échantillon : L060162-10

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS6522- NMX-P07D
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	2,09	mg/l	0,15

Numéro de l'échantillon : L060162-11

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS6524- NMX-P07R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	0,23	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-12)

Numéro de l'échantillon : L060162-12

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6525-NMX-P08R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	4,23	mg/l	0,15

Numéro de l'échantillon : L060162-13

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6526-NMX-P08D
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	0,88	mg/l	0,15

Numéro de l'échantillon : L060162-14

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6527-NMX-P09R
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	3,64	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-15)

Numéro de l'échantillon : L060162-15

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6528-NMX-P09D
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 4 août 2022	Résultat	Unité	LDM
Sulfates	0,78	mg/l	0,15

Numéro de l'échantillon : L060162-16

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6529-NMX-P10
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	19,3	mg/l	0,15

Numéro de l'échantillon : L060162-17

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6530-NMX-P11
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	19,2	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-18)

Numéro de l'échantillon : L060162-18

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6531-NMX-P12
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	33,7	mg/l	0,15

Numéro de l'échantillon : L060162-19

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6532-NMX-P13
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	2,48	mg/l	0,15

Numéro de l'échantillon : L060162-20

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6533-NMX-P14
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	2,55	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-21)

Numéro de l'échantillon : L060162-21

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6534-NMX-P15
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	1,77	mg/l	0,15

Numéro de l'échantillon : L060162-22

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6535-Pz19
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,86	mg/l	0,15

Numéro de l'échantillon : L060162-23

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6536-Pz20
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	1,81	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-24)

Numéro de l'échantillon : L060162-24

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6537-Pz22
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,96	mg/l	0,15

Numéro de l'échantillon : L060162-25

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6538-PO20
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L060162-26

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6539-PO21
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,19	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-27)

Numéro de l'échantillon : L060162-27

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS6568-D1
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	17,6	mg/l	0,15

Numéro de l'échantillon : L060162-28

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6569-D2
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	3,60	mg/l	0,15

Numéro de l'échantillon : L060162-29

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6570-03
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	0,91	mg/l	0,15

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Certificat d'analyse (suite de l'échantillon numéro : L060162-30)

Numéro de l'échantillon : L060162-30

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6571 -Blanc de transport1 Lot 22JL21-A
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L060162-31

Préleveur: Client
Date de prélèvement: 29 juillet 2022
Description de l'échantillon: KS6572-Blanc de terrain1 Lot 22JKL21-A
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

Numéro de l'échantillon : L060162-32

Préleveur: Client
Date de prélèvement: 30 juillet 2022
Description de l'échantillon: KS6578-Blanc de terrain2 Lot 22JL21-A
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3 Date d'analyse: 9 août 2022	Résultat	Unité	LDM
Sulfates	<0,15	mg/l	0,15

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Numéro de l'échantillon : L060162-33

Préleveur: Client
Date de prélèvement: 31 juillet 2022
Description de l'échantillon: KS6579-Blanc de terrain3 Lot 22JL21-A
Description de prélèvement:
Point de prélèvement:
Nature de l'échantillon: eau naturelle souterraine

Anions

Méthode: MA. 300 - Ions 1.3	**Résultat**	**Unité**	**LDM**
Date d'analyse: 9 août 2022			
Sulfates	<0,15	mg/l	0,15

Les résultats ne se rapportent qu'à l'échantillon soumis à l'analyse.

J'atteste avoir formellement constaté ces faits

***Certificat approuvé le* 24 août 2022**

<Signature removed>

Joleine Salomon, chimiste
Contaminants inorganiques, Laval

Légende:
ABS: Absence
DNQ: Résultat entre la LDM et la LQM
INT: Interférences - Analyse impossible
ND: Non détecté
ST: Sous-traitance
PR: Présence
RNF: Résultat non disponible
NDR: Détecté - Mais ne satisfait pas le rapport isotopique
TNI: Colonies trop nombreuses pour être identifiées
VR: Voir remarque

Ce certificat ne doit pas être reproduit, sinon en entier, sans le consentement écrit du CEAEQ

Version 1 (1368334)

Appendix 5

Installation of New Piezometers in the Spodumene Lake Bog (follow-up NMX-B7)

Richelieu, le 7 février 2019

Nemaska Lithium
450, rue de la Gare-du-Palais
Québec (Québec)
G1K 3X2

À l'attention de M. Patrick Laforest, géologue

Objet : Localisation des sondages destinés à instrumenter la tourbière

Monsieur,

Dans le cadre de son projet d'exploitation d'une mine de lithium à Nemiscau, la société *Nemaska Lithium* a pris l'engagement de faire le suivi des répercussions du rabattement provoqué par le maintien à sec de sa mine sur l'environnement. Plus particulièrement, l'une des activités de suivi qui sont prévues consiste à faire le suivi du comportement de la nappe d'eau souterraine comprise dans le milieu humide qui borde la mine sur son côté sud-est.

Afin de mieux comprendre le contexte hydrogéologique dans lequel se trouve la tourbière, *Nemaska Lithium* a préparé un programme de forages de type géotechnique. Ces forages visent à déterminer, le long de coupes partant de la mine et s'éloignant vers le sud-est, l'épaisseur totale de matériau organique, la nature des dépôts meubles sous-jacents, et enfin, la profondeur du socle rocheux. Une première ébauche a été soumis à *Richelieu Hydrogéologie* de façon à modifier au besoin ce programme de travail et optimiser celui-ci en fonction des besoins spécifiques du suivi.

Ainsi, la carte de localisation préliminaire des forages a été superposée à la photographie aérienne, de même que les courbes de rabattement projeté à la fin de la vie utile de la mine. La carte obtenue est présentée en annexe de ce document. Il est possible d'y faire les observations suivantes :

- Le milieu humide s'étend pratiquement de la future fosse jusqu'au ruisseau D
- À l'intérieur du milieu humide, on note des « stries » orientées NQ-SE qui laissent croire qu'il s'agit possiblement de zones préférentielles d'émergence des eaux souterraines

- Le rabattement projeté dans le roc s'étend pratiquement jusqu'au ruisseau D
- Les forages planifiés (en rouge) sont concentrés sur une petite zone située dans la zone de contact sud-ouest entre les affleurements rocheux et la tourbière.

Compte-tenu de ce qui précède, nous sommes d'avis qu'il serait préférable de distancer les forages géotechniques l'un de l'autre de façon à investiguer les « stries » dans le milieu humide pour comprendre ce qui les distingue du reste de la tourbière. Nous croyons aussi qu'il serait judicieux de positionner un forage près du ruisseau D afin d'y aménager un puits témoin en dehors de l'aire de rabattement. Enfin, le nombre total de forages pourrait être diminué, dans la mesure où il serait possible de réaliser un relevé par géoradar entre les forages, de façon à obtenir un modèle 3D de la configuration de la tourbière et des matériaux sous-jacents.

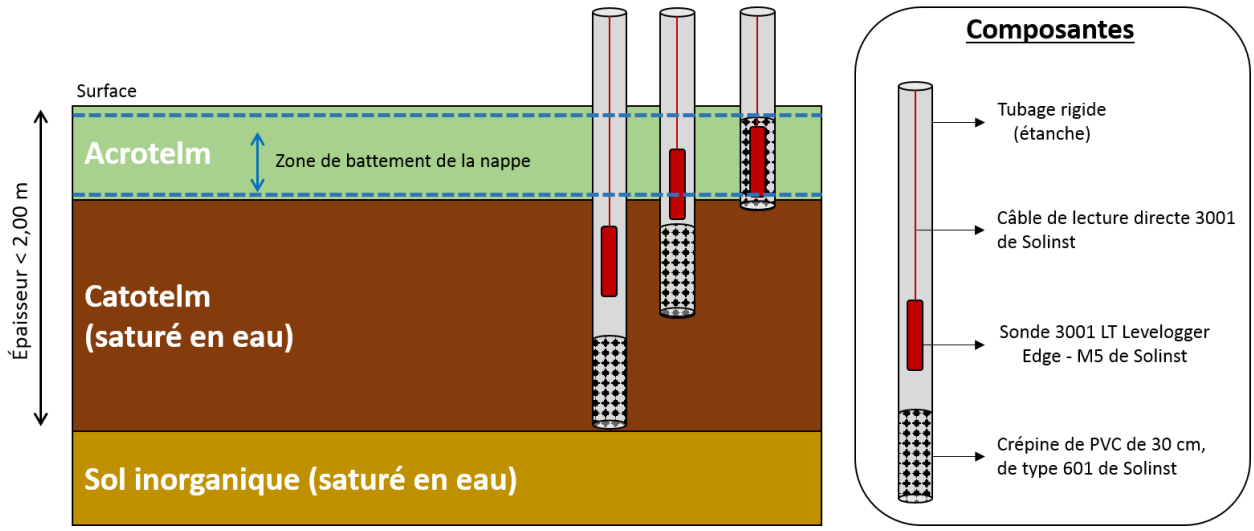
La carte de localisation en pièce jointe montre la localisation suggérée des forages géotechniques. Il est recommandé de réaliser les forages en faisant l'échantillonnage en continu dans les dépôts meubles, jusqu'à l'atteinte du socle rocheux. Il est également recommandé d'aménager des puits d'observation dans les matériaux granulaires sous les sédiments organiques en prenant soin de bien isoler les crépines de la surface afin d'éviter tout court-circuit hydraulique.

Par la suite, un relevé géophysique par géoradar serait réalisé et calibré sur les données de forage. Suite à l'interprétation de ce relevé, la tourbière serait instrumentée en nids de trois piézomètres localisés à l'emplacement des forages. Les nids de piézomètres seront configurés de façon à permettre la collecte de données près des marges de la tourbière ainsi qu'en son centre. Lorsque l'épaisseur des dépôts tourbeux le permettra, chaque nid comportera trois piézomètres installés de façon à mesurer la charge hydraulique à différentes profondeurs au sein du dépôt tourbeux (Schéma No 1).

Chaque piézomètre sera muni d'une crépine de PVC de 30 cm, de type 601 de Solinst. Les piézomètres seront munis de sondes automatisées de type 3001 LT Levelogger Edge - M5 de Solinst. Les données précitées seront corrigées des variations de pression atmosphérique grâce à des mesures réalisées à l'aide d'une sonde barométrique de type 3001 LT Barologger Edge - M1.5. Ces sondes seront programmées pour la collecte de données horaires pour les deux premières années du suivi. La fréquence de suivi pourra ensuite être révisée, sur la base d'une interprétation des résultats. L'installation des piézomètres sera réalisée de façon manuelle. Pour les zones où les dépôts tourbeux ont une épaisseur inférieure à 1 m, il est

probable que le suivi soit interrompu lors de la période de gel, afin d'éviter d'endommager les sondes.

Illustration 1 : Schéma simplifié d'un nid de piézomètres

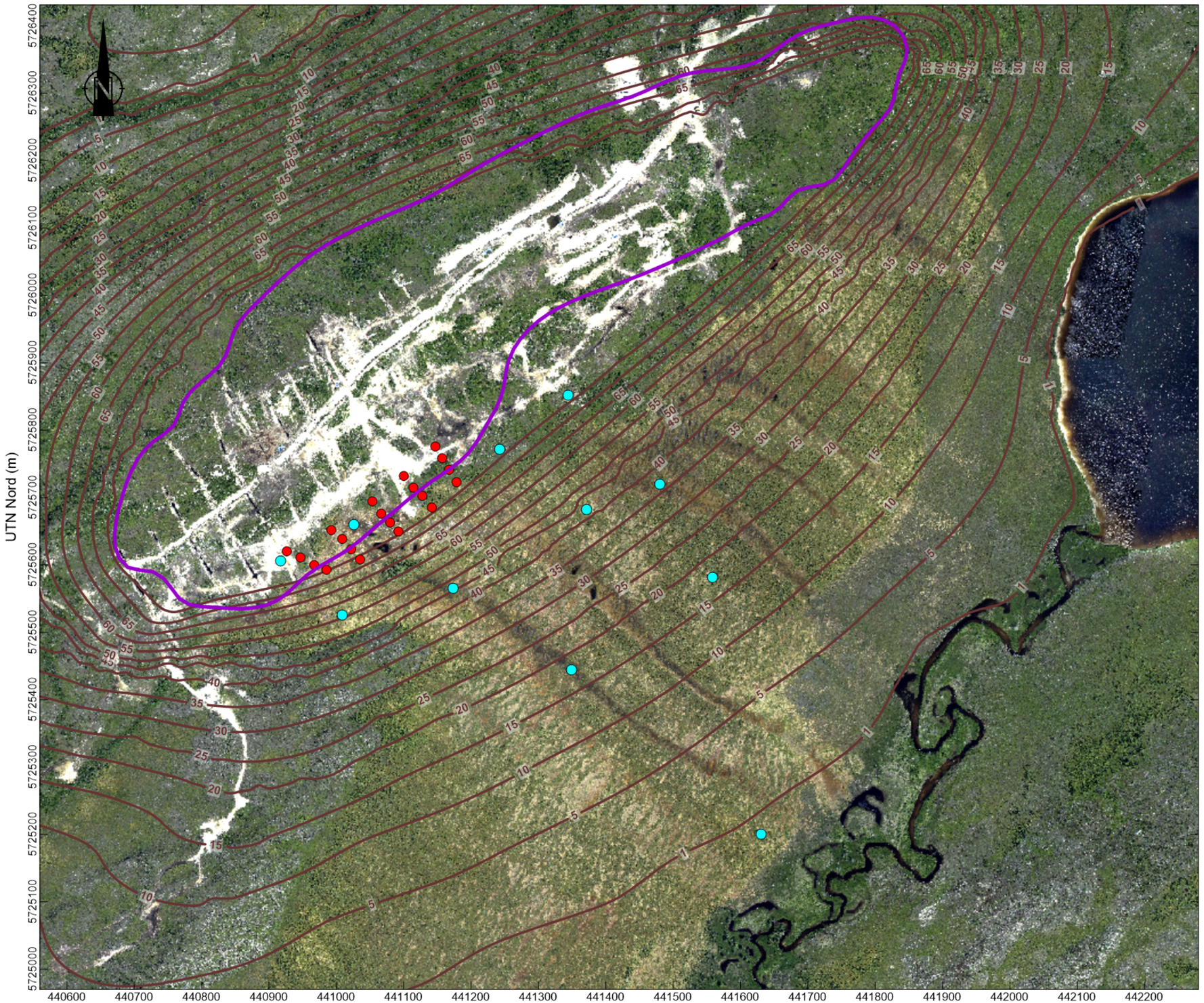


Les caractéristiques du suivi (fréquence et durée) pourront être spécifiées plus tard en fonction des besoins spécifiques de *Nemaska Lithium* et possible de l'UQAT, dans la mesure où le projet de suivi serait intégré à l'intérieur d'un projet de recherche.

Veillez agréer, monsieur Laforest, l'expression de mes sentiments les meilleurs.

Yves Leblanc, ing. géo.
M.Sc. Hydrogéologue

RICHELIEU HYDROGÉOLOGIE INC.
219, 15IÈME AVENUE, RICHELIEU (QUÉBEC) J3L 3V7
TEL : (450) 658-3233 COURRIEL: YVESL@SYMPATICO.CA



Légende

- Contour de la fosse projetée
- Courbe d'iso-rabattement
- Forage planifié par Némaska
- Localisation suggérée

0 100 200 300 400

Données LDAR fournies par Nemaska Lithium

Richelieu Hydrogéologie inc.

Titre

FIGURE 1: LOCALISATION DES FORAGES GÉOTECHNIQUES RECOMMANDÉS POUR LE SUIVI DE LA TOURBIÈRE

Projet

NEMASKA LITHIUM - PROPRIÉTÉ WHABOUCHI
PROJET D'EXPLOITATION D'UNE MINE À CIEL OUVERT
ÉTUDE HYDROGÉOLOGIQUE SUR L'IMPACT DU PROJET

Interprétation et dessin

Yves Leblanc, ing. géo.
M.Sc. Hydrogéologue

Date

Février 2019

Échelle

1 : 6 000

Nemaska Ressources

Appendix 4
Vegetation and wetlands
(NMX B7)

Nemaska Ressources

Environmental Monitoring Report for the 2022 Whabouchi Spodumene Mine Project

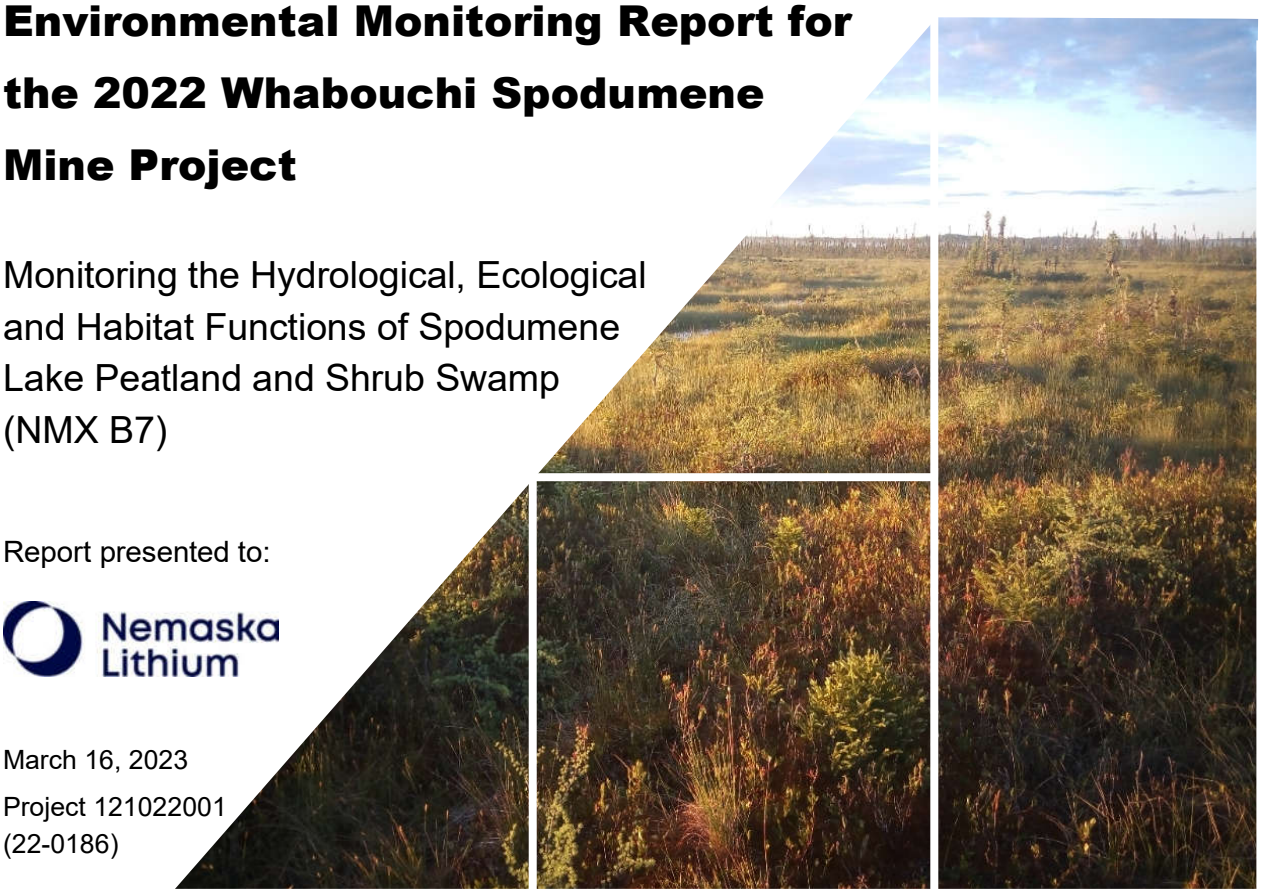
Monitoring the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp (NMX B7)

Report presented to:

Nemaska Lithium

March 16, 2023

Project 121022001 (22-0186)



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Nemaska Ressources

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Biologist, B. Sc.

Revision N°	Date	Description of modification | issue
02	2023-03-16	Final version
01	2023-01-26	Draft version

Scope and Limitation

This document is to be used for the purpose for which it was prepared. It is intended for the client for whom it was prepared and the client is free to share it with a third party if they so choose.

This document has been produced with the data collected in the field and the information available on the various elements studied as of the date of this report. The technical analyses based on the interpretation of the various sections of the law and regulations in force are not and should not, at any time, be considered as legal advice or a substitute for such advice.

The maps bearing the Nemaska Ressources logo are the result of a compilation of information from public databases and inventory data collected in the field. They were not prepared by a land surveyor and should not be considered as such. Nemaska Ressources is not responsible for erroneous conclusions due to the deliberate concealment or unavailability of relevant information at the time the mandate was carried out.

The analyses developed in this document are presented for information purposes only and the final decision regarding the various intervention methods and official protection zones is the responsibility of the Ministère de l'Environnement et de la Lutte contre les changements climatiques, de la Faune et des Parcs du Québec (MELCCFP) and/or other government departments and agencies (provincial, federal) or the municipality concerned.

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Reference to Quote

Nemaska Ressources. 2023. Environmental Monitoring Report for the 2022 Whabouchi Spodumene Mine Project - Monitoring the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp (NMX B7). Project report 22-0186. 94 pages + appendices.

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List of Acronyms

CDPNQ	Centre de données sur le patrimoine naturel du Québec
CMHPQ	Cartographie des milieux humides potentiels du Québec
DGPS	Differential Geographic Positioning System
LRE	Limited Radius Enumeration
ESIA	Environmental and Social Impact Assessment
GPS	Global Positioning System
EIJBRG	Eeyou Istchee James Bay Regional Government
GRHQ	Géobase des données hydrographiques du Québec
IPA	Punctual Index of Abundance
SRA	Species at Risk Act
MELCCFP	Ministère de l'Environnement et de la Lutte contre les changements climatiques, de la Faune et des Parcs
MRNF	Ministère des Ressources naturelles et des Forêts
MFFP	Ministère des Forêts, de la Faune et des Parcs
SEM	Scientific, Educational or Wildlife Management

1 Introduction

Nemaska Lithium's Whabouchi Mine project consists of developing a deposit of spodumene, a lithium-rich mineral. The Whabouchi Mine is located along the Route du Nord, in the territory of the Eeyou Istchee James Bay Regional Government (EIJBRG), 30 kilometres east of Nemiscau and 280 kilometres north of Chibougamau (Map 1).

The general objective of the environmental follow-up program is to measure, observe and document any changes (natural or project-related) in the environment in relation to the baseline, to verify the accuracy of the environmental assessment, and to evaluate the effectiveness of the mitigation measures proposed in the project's environmental assessment. This follow-up allows Nemaska Lithium to meet its commitments to the various government authorities and communities.

1.1 Mandate and Objectives

The objective of this follow-up is to determine the real influence of the excavation of the pit, located upstream of the peatland, on the hydrological and ecological conditions of the peatland and, if necessary, to propose appropriate compensation measures. The purpose of the study is to assess whether the gradual deepening of the pit will have an impact on the hydrological regime of the Spodumene Lake wetlands. The Whabouchi mining project is currently in the construction phase and has been since 2018 with a short stop in 2020.

Monitoring of the hydrological, ecological and habitat functions of these ecosystems will be carried out through:

- The outflow study at the outlet of the slough located downstream of Spodumene Lake (NMX B7A).
- The annual analysis of changes in peatland pond cover in minerotrophic areas using aerial image analysis (NMX B7B).
- The monitoring of pH changes in peatland ponds (NMX B7C).
- Monitoring the depth of the water table in the minerotrophic and ombrotrophic sectors (NMX B7D) - this component is addressed in the groundwater quality monitoring (Nemaska Ressources, 2023b).
- Biennial floristic and faunal (micromammals, herpetofauna and avifauna) inventory throughout the duration of pit excavation, until the lowest level is reached (NMX B7E).

The description of each of these follow-ups is detailed in the Environmental and Social Monitoring Program Version 2 (Norda Stelo, 2019) in the following paragraphs:

3.2.7.3.1 The study of outflow at the outlet of the slough located downstream of Spodumene Lake (this monitoring component is addressed in NMX P7 Hydrology [Nemaska Ressources, 2023a]).

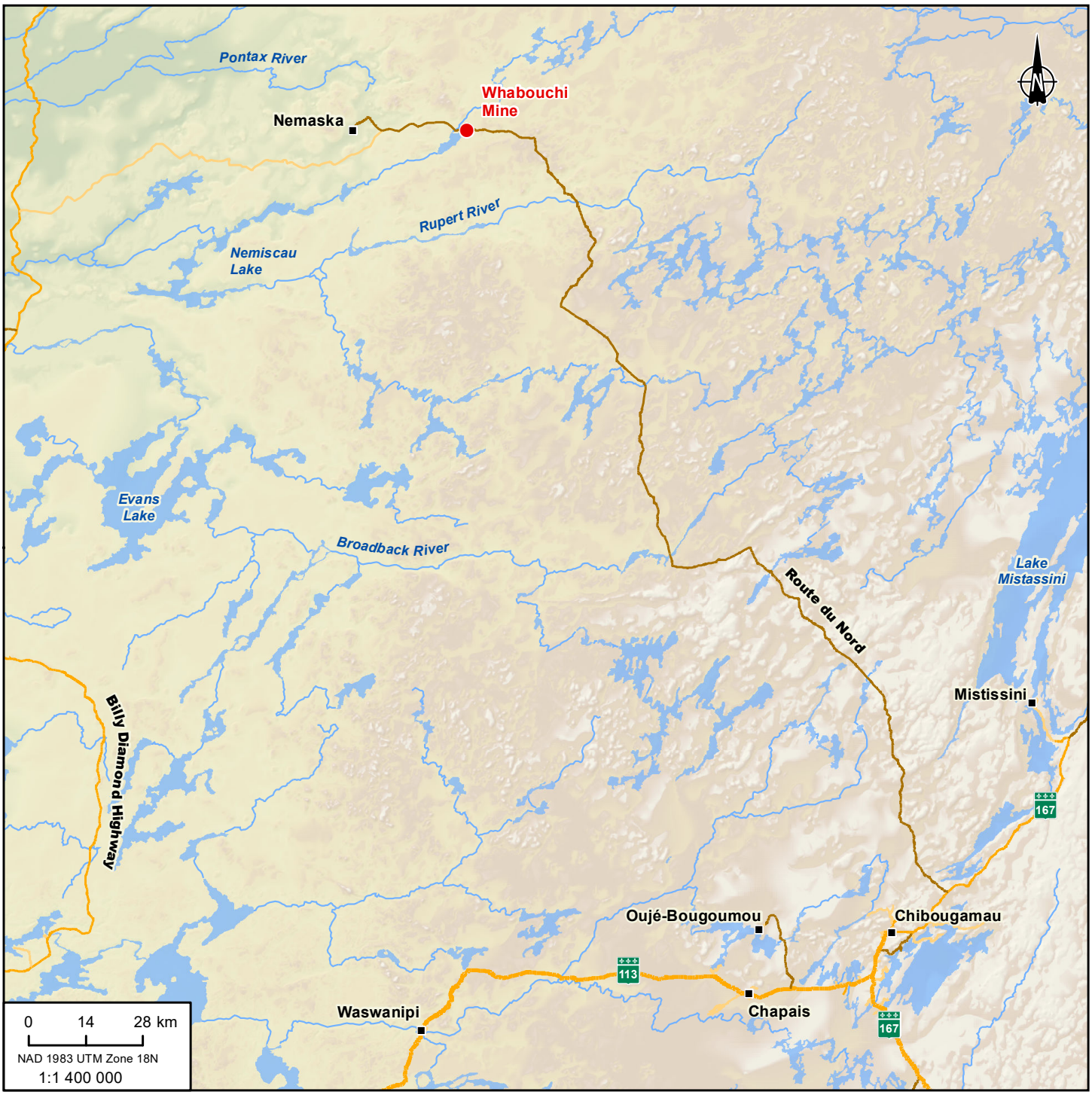
- 3.2.7.3.2 Annual analysis of changes in pond cover in the Spodumene Lake peatland (this monitoring component includes analysis of pond area with aerial imagery, which is addressed in this report, and the biennial floristic inventory in the vicinity of the ponds last addressed in 2021).
- 3.2.7.3.3 Monitoring changes in pH of peatland ponds (this biennial component was last addressed in 2021).
- 3.2.7.3.4 Monitoring the depth of the water table in the minerotrophic and ombrotrophic sectors (this monitoring component is normally addressed in the NMX P8 groundwater report [Nemaska Ressources, 2023b], but the absence of piezometers in this sector makes this monitoring impossible at this time).
- 3.2.7.3.5 Biennial floristic and faunal (small mammal, herpetofauna and avifauna) inventory, throughout the duration of pit excavation, until the lowest level is reached. All of these monitoring components were conducted in 2022 and are presented in this report.

The specific objectives of the 2022 study were to:

- NMX B7B: Conduct annual analysis of changes in pond cover in minerotrophic areas of the peatland and compare results with previous inventories.
  - Estimate the area of ponds using aerial drone imagery in 2022 and compare these results to 2018, 2019, and 2021.
- NMX B7E: Conduct analysis of avifauna data collected during the 2022 field campaign and compare results with previous inventories.
- Determine breeding bird species using the Spodumene Lake peatland.
  - Determine the density of breeding pairs on the study site,
  - Validate the presence of species in precarious status in the study area,
  - Compare these results to the 2018 Avian Census and estimates produced in the context of the EIS for the same area.
- NMX B7E: Conduct analysis of herpetofauna data collected during the 2022 field season and compare results with previous inventories.
  - List the diversity of this species group in the study area,
  - Establish the relative abundance of these species,
  - Validate the presence of species at risk in the study area,
  - Compare the diversity and abundance of species present in the study area to the 2018 results as well as to the results obtained for the same area in the context of the Environmental and Social Impact Statement for the purpose of monitoring changes in the quality of habitat located downstream of Spodumene Lake.
- NMX B7E: Conduct analysis of small mammal data collected during the 2022 field season and compare results with previous inventories.

- List the diversity of this species group in the study area,
- Establish the relative abundance of these species,
- Validate the presence of species at risk in the study area,
- Compare the diversity and abundance of species present in the study area to the 2018 results as well as to the results obtained for the same area in the context of the Environmental and Social Impact Statement for the purpose of monitoring changes in the quality of habitat located downstream of Spodumene Lake.

- NMX B7E: Conduct analysis of the plant assemblage data collected during the 2022 field season and compare these results to 2018 results.
  - For Spodumene Lake peatland,
  - For the riparian shrub swamp on D Creek.



Map 1

Location of the Whabouchi Mining Project

Infrastructure

- Whabouchi Mine

Hydrography

- Permanent Watercourse
- Waterbody

Road Network

- National Road
- Collector Road
- Local Road
- Access Road

Data Sources:
BDGA 1:1 000 000, MERN Québec, 2020
Road Network, Adresse Québec, 2021-12
Project Data, Nemaska Ressources, 2018-2022

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Nemaska Lithium
Project: 22-0186

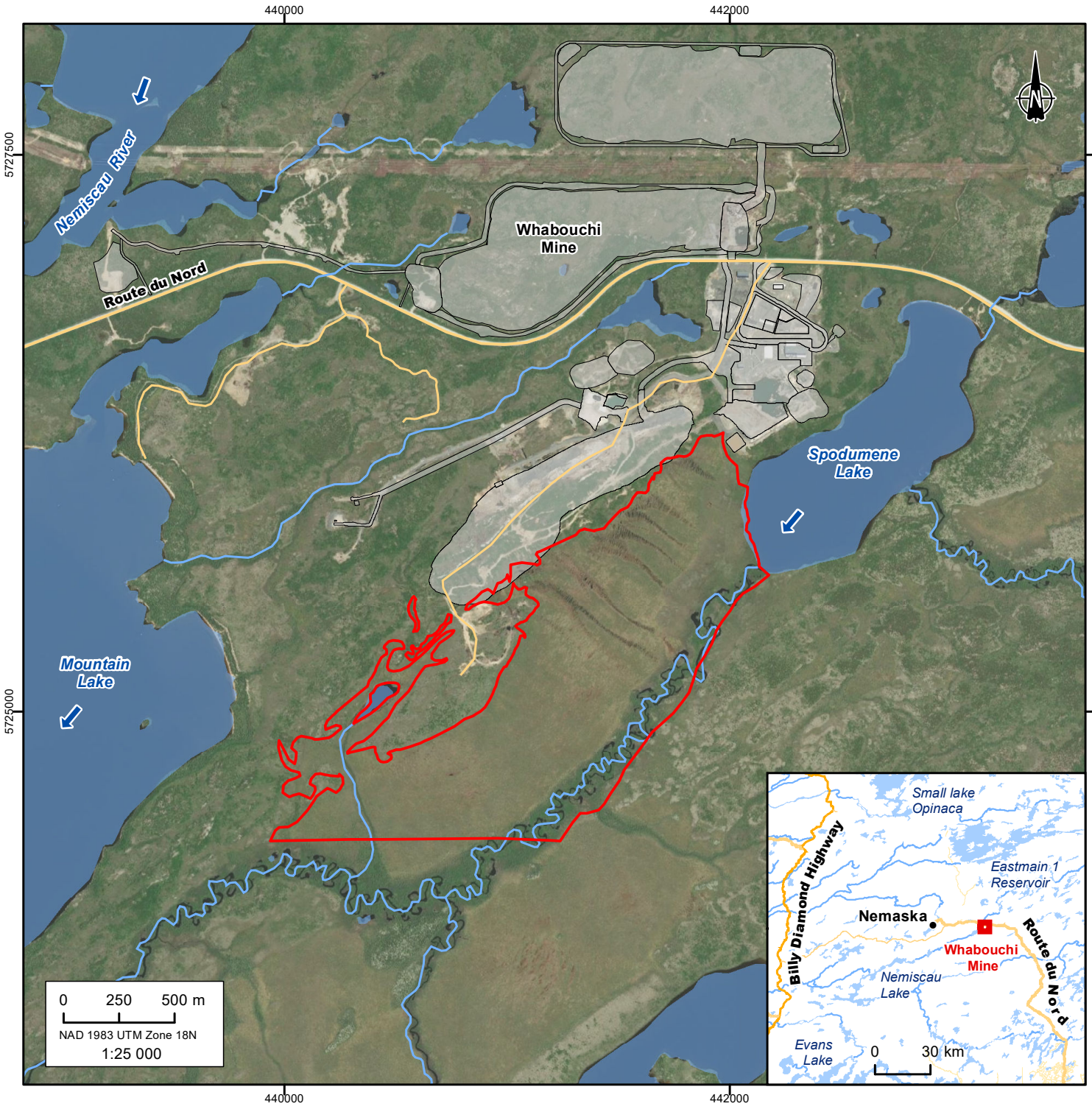
March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium

Nemaska Ressources

1.2 Study Area

The study area of the present work corresponds to the Spodumene Lake peatland and its shrub swamp. It is a wetland covering a total area of 171.3 ha and can be divided into three main sectors: an ombrotrophic or bog zone in the southwest (143.9 ha), a minerotrophic or fen zone in the northeast (9.6 ha), and a shrub swamp (17.8 ha) bordering D Creek (Map 2).



Map 2

Location of the Study Area

Boundary

Study Area (174 ha)

Hydrography

Flow Direction

Permanent Watercourse

Waterbody

Infrastructure

Whabouchi Mine

Road Network

Main Road

Local Road

Data Sources:
Géobase du réseau hydrographique du Québec, MERN Québec, 2019
Road Network, Adresse Québec, 2021-12; Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Monitoring of the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp (NMX B7)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2 Methodology

2.1 Annual Analysis of Pond Cover Changes in the Spodumene Lake Peatland

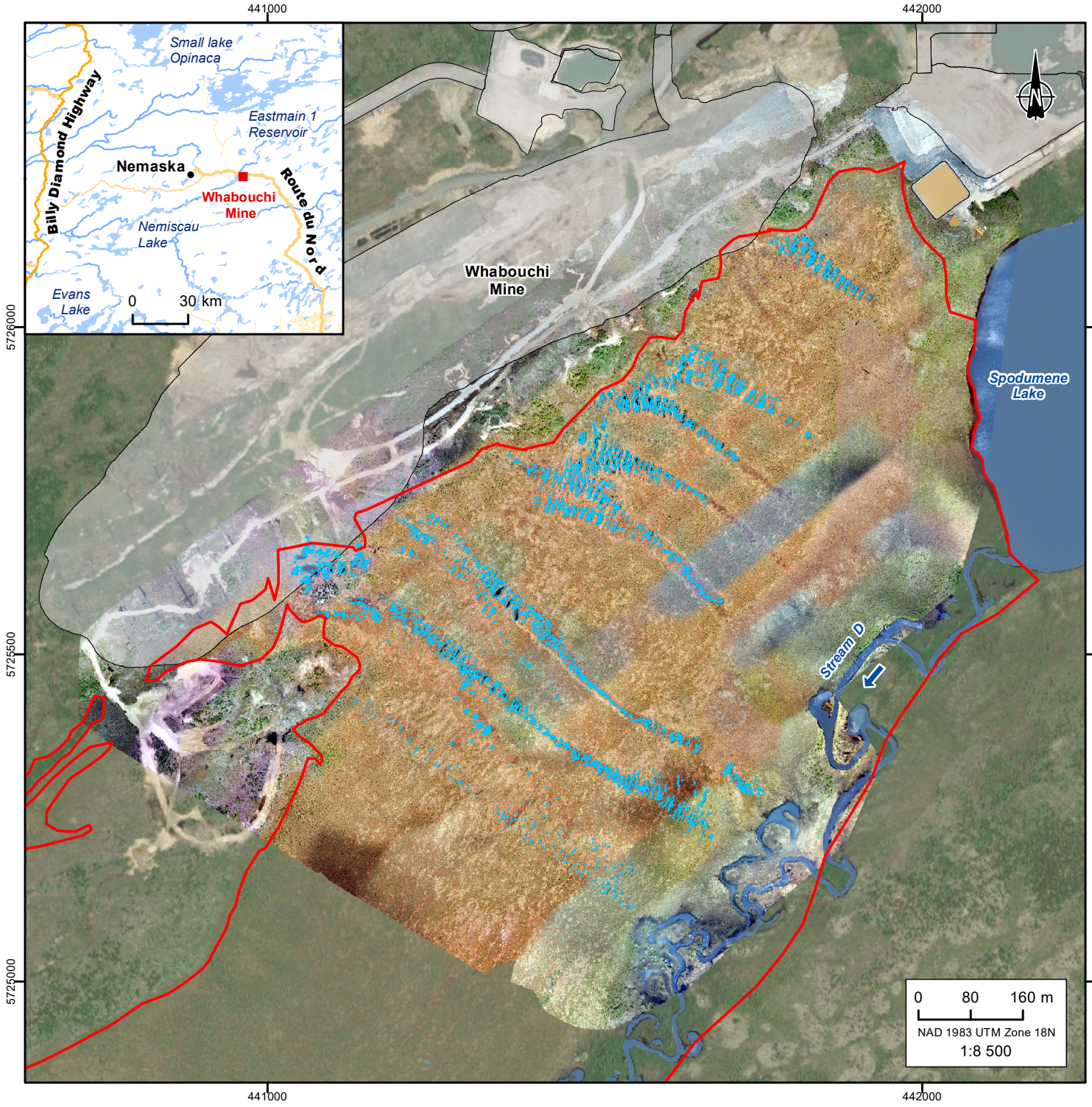
2.1.1 Flyover by Drone

In 2022, the field campaign for the realization of this part of the monitoring took place from June 24 to 26. First, 17 control points (visual markers) were installed on the ground, then precisely located using a Leica GS-14 GPS equipped with a CS15 logbook and operated with the VIVA software, with RTK correction. This procedure allows the spatial positioning of the ortho-image with a constant accuracy of the pixel position and the delimitation of the ponds' perimeter.

Following the positioning of the markers on the ground, three preprogramed drone missions, each including several flyovers, were carried out using a DJI Inspire 1 drone, which flew at a height of between 75 and 90 m above ground level. The overlap of images between them is 65% longitudinally and 75% laterally. The mosaic of aerial images taken in 2022 is shown on Map 3.

2.1.2 Aerial Image Processing

The data collected by drone during the various missions were then processed by photogrammetry, that is to say that all the images taken at different angles are superimposed to create an orthorectified mosaic. The software used for image processing are Pix4D and ArcMAP. The delimitation of the ponds is then made from the mosaic.



Map 3

Aerial Image Mosaic 2022

Boundary

Study Area (174 ha)

Infrastructure

Whabouchi Mine

Hydrography

Flow Direction

Pond

Waterbody

Data Sources:
Project Data, Nemaska Ressources, 2018-2022
Aerial Image Mosaic, Nemaska Ressources, 2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Monitoring of the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp (NMX B7B)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2.2 Biennial Floristic Inventory

The floristic inventory carried out in 2018 (Nemaska Ressources, 2019) made it possible to establish the baseline (initial state) of the Spodumene Lake peatland by documenting the floristic composition of the peatland and its shrub swamp before the mine began operations.

The 2022 floristic inventory, carried out on July 23 and 24, is a continuation of the study in order to verify if there are noticeable changes in the plant communities of the previously inventoried sites. It targeted only the NMX B7E monitoring and therefore only the biennial analysis of the Spodumene Lake peatland and the riparian shrub swamp of the D creek was performed. Thus, the 21 stations in the peatland as well as the three transects in the riparian shrub swamp (Table 1) were re-inventoried (Map 4).

Table 1. Characteristics of Vegetation Transects in the Riparian Shrub Swamp.

Transect name	Number of stations	Transect length (m)	Distance between stations (m)
TR-1	4	15	5
TR-2	4	15	5
TR-3	5	24	6
Total	**13**		

At each survey station, plant species in the tree, shrub, herb, and musk strata were identified on a 1 m² area covered by a square quadrat. The cover of each stratum and of each species was also noted. It should be noted that during the 2022 inventory, bryophyte species were identified to species by an expert, whereas they had been grouped by genus in the baseline data.

In order to track vegetation at the same locations over the long term, taped and numbered survey stakes had been planted in 2018 at the centre of each station and their positioning surveyed from a handheld GPS unit (Garmin GPSMAP 62s; accuracy ±3 m). During the 2022 inventory, the deteriorated survey stakes were replaced and the positioning of each station was taken from a portable DGPS geographic positioning device (EOS Arrow 100; sub-meter accuracy). All stations and transects were photographed with the camera of a Kalliope KM7 Android tablet.

2.2.1 Cluster Analysis

Cluster analysis is a statistical method for organizing data into groups based on similarity between data. It is an objective way of classifying the different inventory stations carried out in the study area according to a response variable, in our case the plant species.

In contrast to previous monitoring, the naming of inventory stations as "bog", "fen" or "shrub swamp" therefore refers to the results of a clustering analysis based on the vegetation assemblage observed in the summer of 2022. Ward's hierarchical agglomerative clustering method was used. It is based on the calculation of the similarity coefficient, or Jaccard's index, which considers the presence or absence of a species within an inventory station (Everitt et al., 2011).

The resulting clusters were subsequently compared to groupings obtained by performing this same analysis on the baseline data (2018) as well as to baseline groupings previously determined by Norda Stelo (Norda Stelo, 2019).

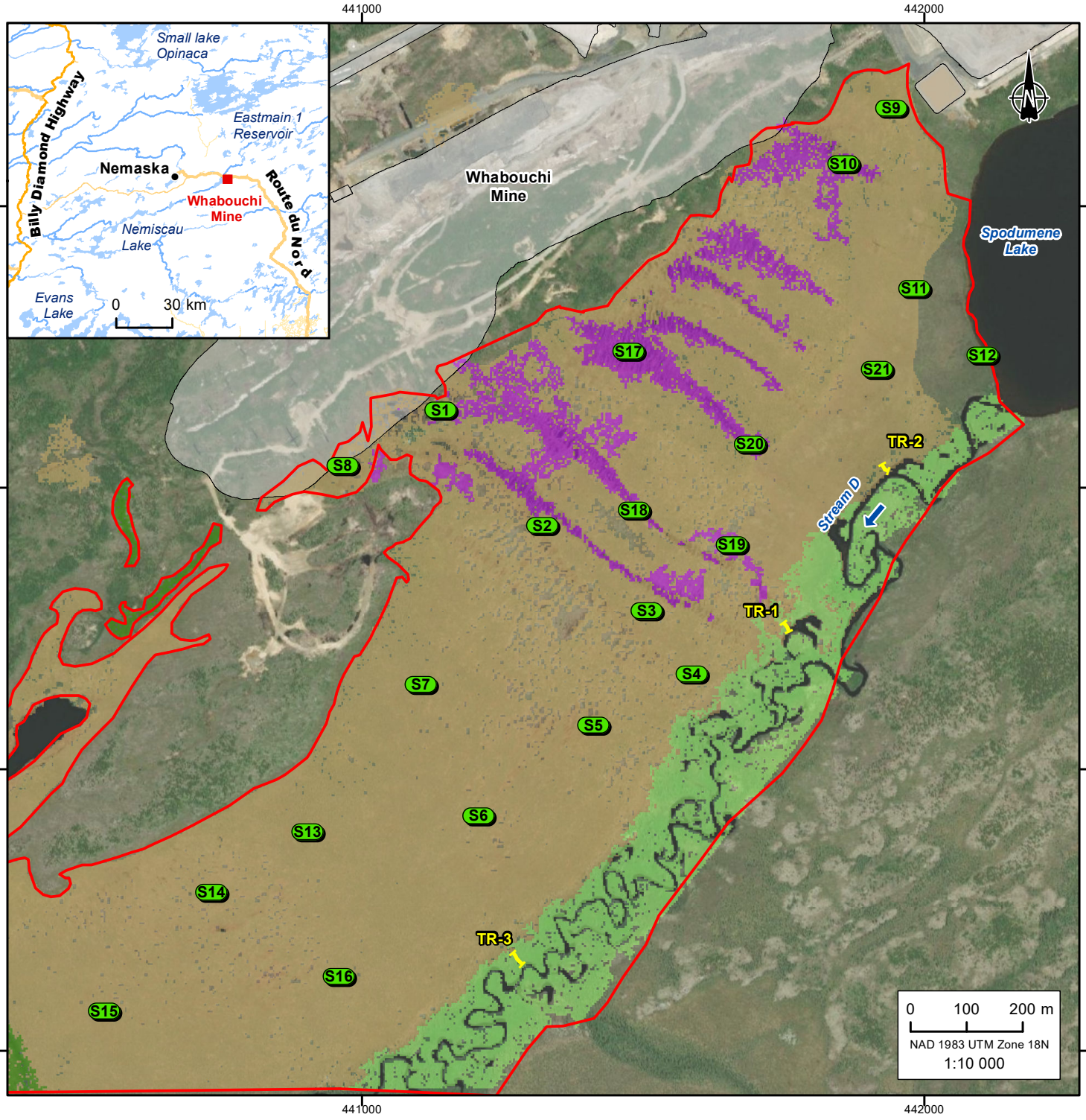
This clustering analysis was performed with the R programming language version 4.2.1 (R Core Team 2022) using the *vegan* and *ade4* libraries.

2.2.2 Indicator Species Indicator

Indicator species are biological indicators that reflect the biotic and/or abiotic status of the environment. Their monitoring also provides evidence of impacts that may occur during changes in their environment since they are indicators of a defined group, a defined habitat.

In the context of this study, it was deemed relevant to identify indicator species in the study area in order to facilitate the detection of any changes that may occur in the environment following the development of the Whabouchi Mine. These species were determined using statistical measurements of the occurrence and abundance of the plant community present in the summer of 2022, with the muskrat stratum identified as the species during this inventory period.

The indicator species identification analysis was performed with the R programming language version 4.2.1 (R Core Team 2022) using the *indicspecies* library.



Map 4

Location of Sampling Stations

Boundary

Study Area (174 ha)

Hydrography

Flow Direction

Sampling Stations

S1 Vegetation Station

Pond Transect

Infrastructure

Whabouchi Mine

Wetland

Riparian Shrub Swamp (Alder Grove)

Riparian Shrub Swamp (Myricaie)

Fen (Minerotrophic Peatland)

Shrubby Bog (Shrubby Ombrotrophic Peatland)

Data Sources:
Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Monitoring of the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp – Floristic Inventory (NMX B7E-1)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2.3 Avifauna

A general inventory of avifauna was conducted in the study area using listening stations. A total of 11 listening stations (A1 to A11) were positioned in the study area according to the representativeness of the habitats present (Map 5), at the same GPS coordinates as those of the 2018 monitoring. These stations were visited once, between 5 and 6 July 2022.

The listening stations, each lasting 20 minutes, were visited mostly during peak songbird activity, which was early in the morning, approximately 30 minutes before sunrise until 10:00 am. Listening times ranged from 5:26 am to 9:18 am. Observations of species not recorded during the specific inventory were also collected in order to compile the most complete species list possible for the study area.

All bird observations were recorded by species and sex (male, female, juvenile, or undetermined). Abundances were expressed as pair equivalents. For example, a singing male, two members of a pair observed together, an individual(s) carrying food, a drumming woodpecker, and a brood are considered one pair equivalent (1.0), whereas an adult individual that is silent or emits a call other than an alarm call is considered half a pair equivalent (0.5). Individuals observed in flight over the stations were not considered in the calculation of pair equivalents except for those that used the airspace to express notable behaviour and not just movement. Note that at each station, all birds are recorded in 5-minute increments. The highest number of LRC (limited radius count - 0-50 m) and PAI (point index of abundance - 50-100 m) within a 5-minute period of a station is compiled for the final data to avoid duplication of records.

Each observation was classified in terms of possible breeding, probable breeding, confirmed breeding, or non-breeding pair-equivalent, referring to the criteria used in the work of the second Atlas of Breeding Birds of Southern Quebec (Robert et al., 2019). The nomenclature used in the results is that of the American Ornithological Society (AOS), which includes the latest modifications made in 2019 (Chesser et al., 2021).

Data were recorded on field sheets and then compiled electronically before analysis. From the API and LRE data, relative abundances were calculated. This was done by summing, for each species, all LRE values obtained, then dividing by the sum of the LREs of all species combined. The results are then multiplied by 100 to convert them to a percentage. The same methodology was applied for the API values.

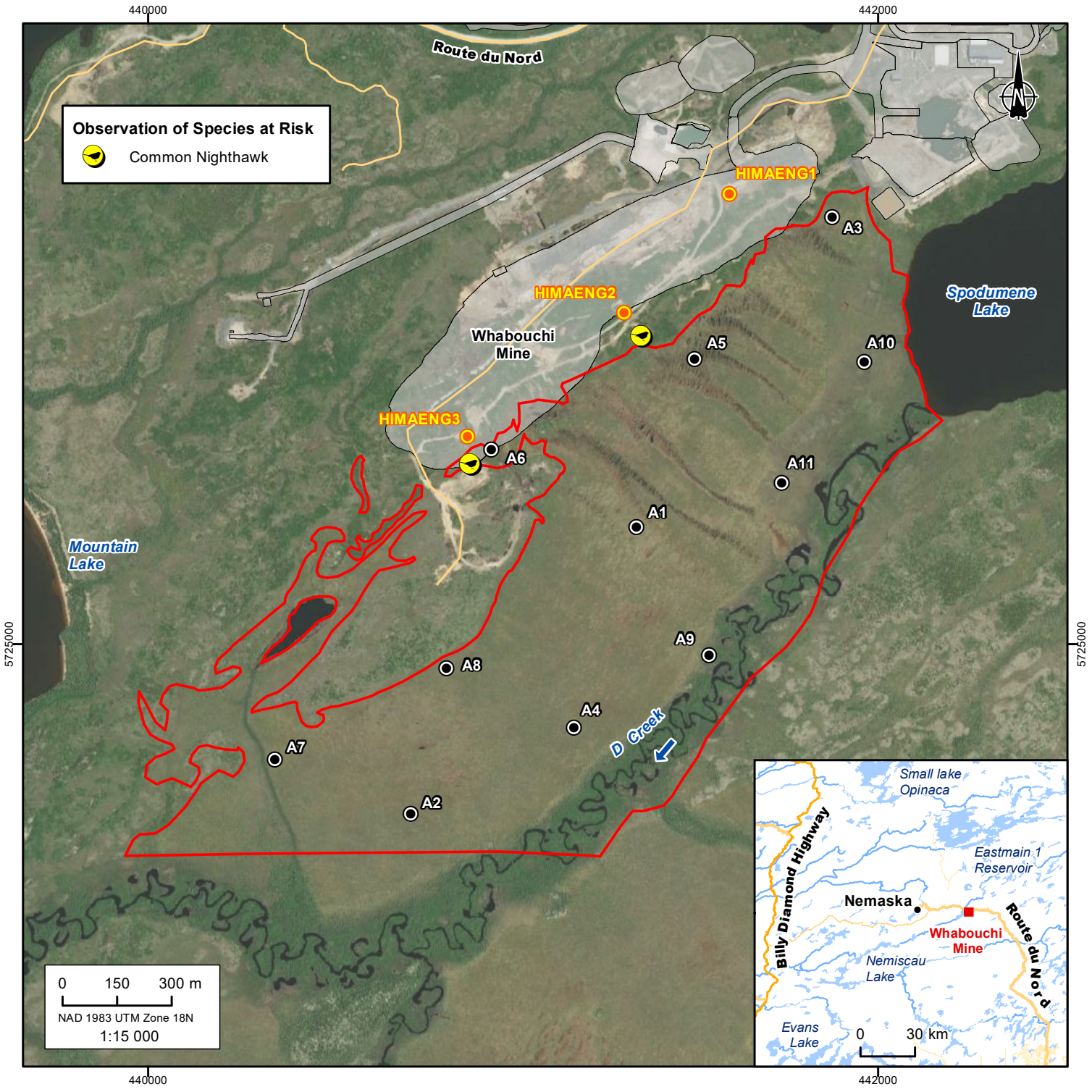
2.3.1 Nighthawk

A specific inventory of the Common Nighthawk (*Chordeiles minor*) and the eastern whip-poor-will (*Antrostomus vociferus*) was conducted in the study area on the evening of July 5, 2022. These two species respectively hold status of special concern and threatened under the Species at Risk Act (SARA), S.C. 2002, c. 29 (APPENDIX 1: List of species at risk). A total of three (3) inventory stations (HIMAENG1 to HIMAENG3) were conducted at suitable locations where observation of

these species was optimal, i.e., in the open along the main road in the study area to the northwest of the studied peatland (Map 5). One (1) visit to these stations allowed us to identify the presence or absence of these species in the study area during the nesting period. The listening sessions, each lasting 10 minutes, took place at dusk during favourable conditions (between 9:06 and 9:58 p.m. on evenings without rain or wind). The inventory method used was heavily inspired by the Canadian Nighthawk Inventory Protocol (Knight et al., 2018).

2.3.2 Short-Eared Owl

A specific inventory of short-eared owls (*Asio flammeus*) was conducted in the study area at the same time as the owl inventory (evening of July 5, 2022). This species has a threatened status under the Species at Risk Act (SARA), S.C. 2002, c. 29 (APPENDIX 1: List of species at risk). A total of three (3) stations (HIMAENG1 to HIMAENG3) were done in the most suitable habitats for the species, i.e., in the open along the main road in the study area to the northwest of the peatland under study (Map 5). One (1) visit to these sites allowed us to determine the presence or absence of the species in the study area during the nesting period. The listening sessions, each lasting 10 minutes, took place at dusk during favourable conditions (between 8:27 and 9:16 p.m. on evenings without rain or wind). The inventory method used was based on the *Protocole d'inventaires de hibou des marais dans le cadre de projets d'implantation d'éoliennes au Québec* (MRNF, 2011).



Map 5

Location of Inventory Stations

Boundary

Study Area (174 ha)

Hydrography

Flow Direction

Infrastructure

Whabouchi Mine

Road Network

Main Road

Local Road

Avian fauna listening station

Avifauna

Short-Eared Owl / Nighthawks

Data Sources:
Road Network, Adresse Québec, 2021-12; Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Monitoring of the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp – Bird Inventory (NMX B7E-2a)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2.4 Herpetofauna

2.4.1 Sampling Period and Stations

The herpetofauna inventory of Spodumene Lake peatland was conducted from June 26 to 30, 2022. As a starting point, the 15 inventory stations used during the amphibian and reptile inventory conducted during the 2018 environmental monitoring at the same peatland were visited. The 15 inventory stations are numbered H1 through H15 on Map 6. Five of these 15 stations, H11 through H15, were used as listening points for the anuran song inventory.

Information concerning the herpetofauna was also collected in August during the small mammal inventory. These data are included in this report.

2.4.2 Sampling Methods

The inventory of the herpetofauna of the peatland was carried out using two complementary techniques for counting amphibian and reptile species. First, the active search inventory allows us to identify the species present in the study area through visual searches in the field and, as a complement, the song count (listening to the songs of anurans) completes the data obtained by the first technique. The following lines present the methodology used for these two inventory techniques.

Listening to anuran songs provides an index of relative abundance of the different anuran species (toads, frogs, tree frogs) present in the study area. The methodology recommended is based on the *Protocole d'inventaire des anoures du Québec* (MFFP, 2019).

A single visit was made to each station, between 30 minutes after sunset and midnight, the period of maximum daily activity of anurans during the breeding season. Upon arrival at the station, following a minute of silence, 10 minutes of listening was conducted. Considering the time needed to move to the listening points at night, the five points were visited on three consecutive evenings, June 28 (listening points H14 and H15), June 29 (listening points H11 and H13) and June 30 (listening point H12).

This work was carried out during favourable weather conditions. Such conditions are defined as no showers (light rain is acceptable), no or moderate wind (0, 1, or 2 on the simplified Beaufort scale), and as little ambient noise as possible (MFFP, 2019).

Species recorded at the selected listening points were duly noted. The relative abundance of each species heard was estimated using simple ratings ranging from 1 to 3 (MFFP, 2019).

The active search inventory detects species that do not sing (garter snakes and salamanders) and those that are less likely to be detected by song in June (e.g., wood frog). This inventory was

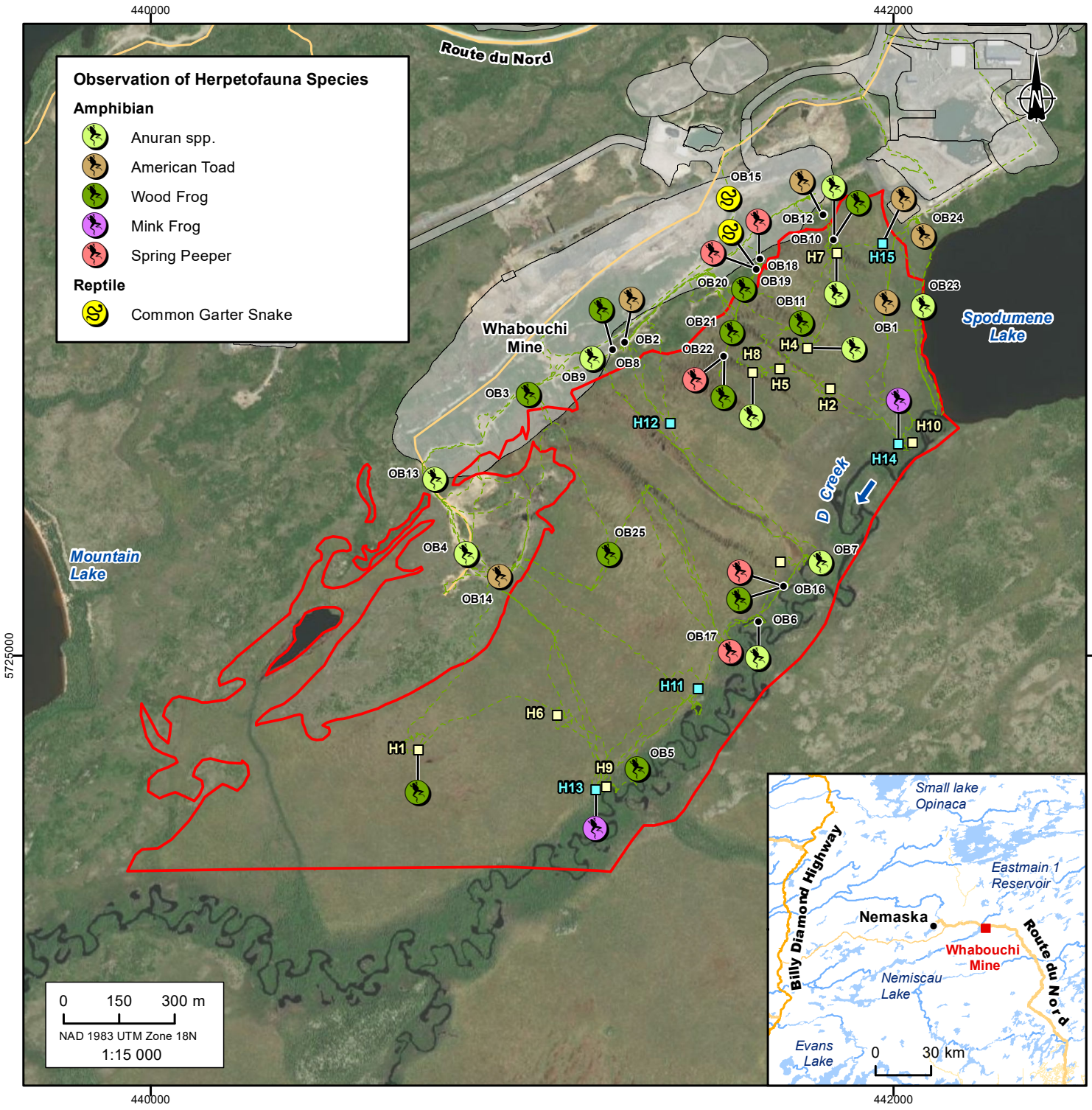
conducted from June 26-30, 2022. It should be noted that no inventory was conducted on June 27 due to unfavourable weather conditions (temperature of about 7 degrees Celsius and strong winds).

The active search consists of looking for the different species of anurans, urodela and reptiles by either sight-searching in the study area during our travels or by lifting woody material and rocks from the ground. The active search for amphibians and reptiles in the study area was therefore conducted by making trips through the peatland between the 15 inventory stations included in the 2018 study (Map 6). All observed signs of herpetofauna presence at the inventory stations and during our travels in the peatland were noted.

It should be noted that in order to get to the various inventory points spread throughout the peatland, trips were made on foot along the dirt roads located north of the study area. Several small wetlands are present along the edges of the roads, which allowed the observation of some amphibian species. Therefore, several observations are reported north of the peatland (Map 6). In addition, several observations were made during our trips to the peatland for the small mammal survey in August; these observations are also presented on Map 6.

The active search included adults, juveniles, urodeles larvae, tadpoles and egg masses. When necessary, harder-to-identify specimens (individuals or eggs) were captured with a dip net before being released back into the natural environment.

A wildlife management permit (permit no. 2022 06 14 125 10 G F), issued by the regional branch of the MFFP, was obtained prior to conducting the inventories.



Map 6

Location of Inventory Stations

Boundary

Study Area (174 ha)

Hydrography

Flow Direction

Infrastructure

Whabouchi Mine

Road Network

Main Road

Local Road

Herpetofauna Inventory Station (2018-2022)

H1 Active Research Station

H11 Listening Station

Inventory Tracking 2022

Data Sources:
Road Network, Adresse Québec, 2021-12; Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Monitoring of the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp – Herpetofauna Inventory (NMX B7E-2b)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

2.5 Micromammals

The data from the *Centre de données sur le patrimoine naturel du Québec* (CDPNQ, 2023) reports the presence of two species of micromammals in a precarious situation within a 15 km radius of the study area. These species, which are likely to be designated as threatened or vulnerable, are the rock vole (*Microtus chrotorrhinus*) and the Cooper's lemming vole (*Synaptomys cooperi*). These inventories are all the more justified since the Cooper's lemming vole is associated with the type of habitat present in the study area.

2.5.1 Sampling Period and Stations

The micromammal inventory of the Spodumene Lake peatland was conducted from August 17 to 26, 2022.

As part of the 2018 environmental monitoring in the same peatland, four sampling stations (three grids, one transect) had been inventoried in the study area (Nemaska Ressources, 2019; Map 6-4). Three of these four sampling stations were again inventoried in the summer of 2022 in the Spodumene Lake peatland.

As part of this inventory (2022), four sampling transects were installed in the study area to conduct the peatland micromammal inventory. In relation to the 2018 environmental monitoring, one inventory station (transect) was installed along the edge of Spodumene Lake in the eastern part of the peatland (Map 7).

The organization of capture stations in the study area was modified in the 2022 follow-up compared to the 2018 follow-up for a variety of reasons. First, grids 1 and 2 were both located in the ombrotrophic peatland in 2018. In addition, the 2018 capture results for these two grids indicated low diversity: seven of the eight small mammals captured (87.5%) were shrews. In hopes of achieving greater species diversity, one of the ombrotrophic peatland stations was moved to the edge of Spodumene Lake. Also, as suggested in the 2018 report, we used transects instead of grids. As specified in the MELCCFP protocol for small mammal inventories (Jutras, 2005), the transect allows us to traverse a range of different habitats.

2.5.2 Sampling Method

The main objectives of the micromammal inventory were to draw up a list of micromammal species present in the study area and to validate the presence of species in precarious situation. As previously mentioned, two species of micromammals in a precarious situation occur within a 15 km radius of the study area, namely the rock vole and the Cooper's vole. The first species' preferred habitat is wet, rocky slopes (cliffs and rock outcrops) with a nearby water source, and the second, wetlands such as ombrotrophic peatlands (bogs) where sphagnum moss and ericaceous plants

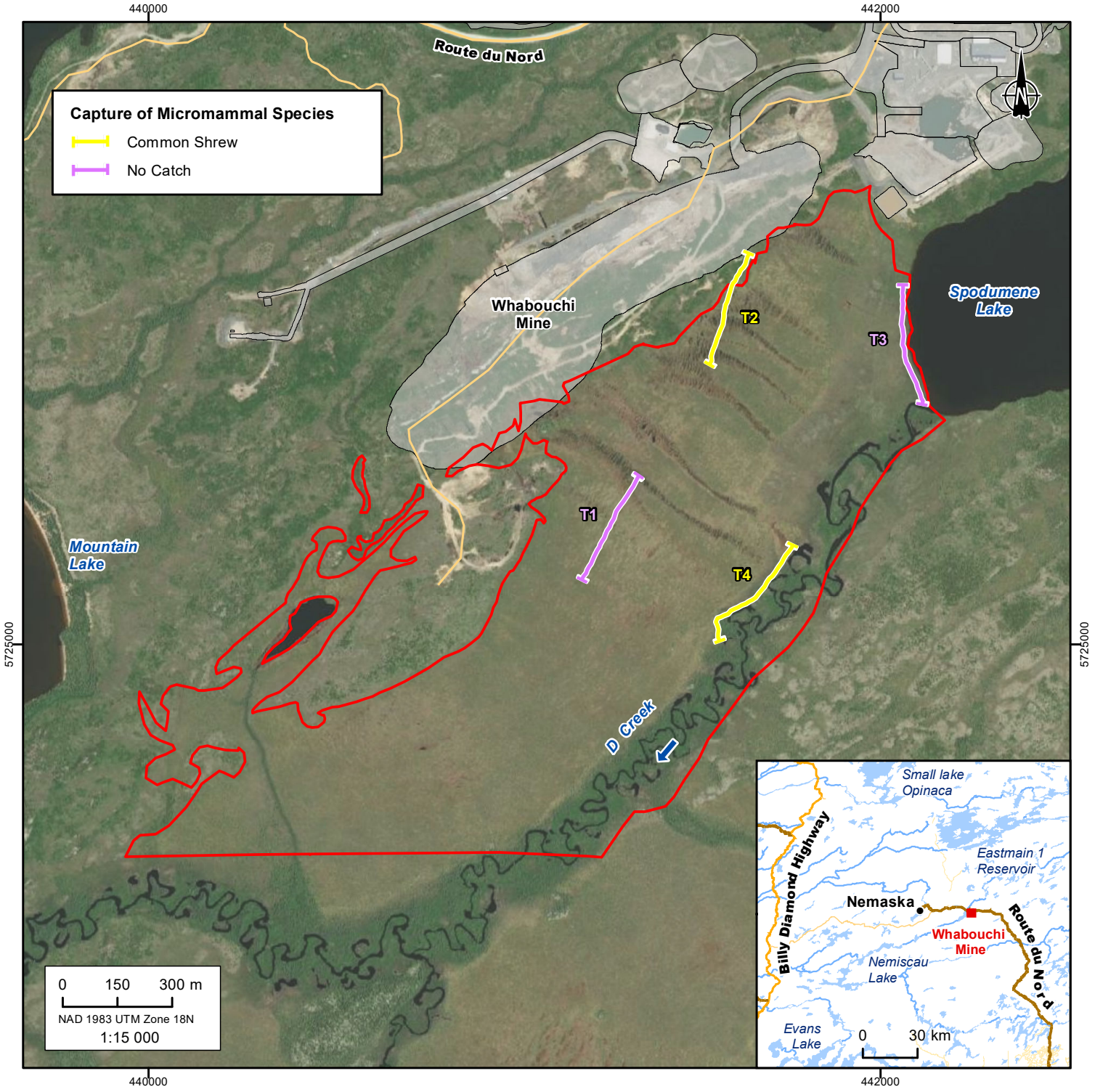
predominate and grassy marshes, as well as in the wet mixed forests that surround these habitats (Desrosiers et al., 2002).

The sampling method chosen to meet these objectives in the context of this inventory follows the broad lines of the MELCCFP's Protocol for Micromammal Inventories (Jutras, 2005). The technique used, namely lethal trapping, allows for reliable identification of the species to which the captured specimen belongs. The survey was conducted at the end of summer 2022 (August 17 to 26). This time of year offers maximum population densities due to recruitment of young of the year.

The inventory was conducted using snap traps (Victor mouse traps). Four transects were deployed in the study area. These sectors grouped the various habitats identified in the study area, namely the ombrotrophic peatland (southwestern part of the study area), the minerotrophic peatland and the vicinity of the wooded slope bordering the peatland (northern part of the study area), the ecotone (eastern part of the study area) consisting of the eastern part of the ombrotrophic peatland and the strip of terrestrial environment bordering western Spodumeme Lake, and finally the shrub swamp bordering D Creek (western part of the study area). Each transect was 320 metres long and had 33 survey stations, 33 stations with two snap traps (2 traps per station) for a total of 66 traps. Peanut butter was used on the traps to bait the micromammals. The traps were set on August 17 and 18, 2022, and were collected every morning for nine consecutive days (September 18-26).

The specimens captured were frozen during the inventories and then kept in the freezer until they were identified in the laboratory. A request for a SEM permit was made to the regional branch of the MFFP for the capture of small mammals prior to the field inventories.

It should be noted that the transects were installed over two days: transects 3, 4 and 2 (in part) were installed on August 17, while transect 1 and part of transect 2 were installed the next day (August 18). This explains why the total "effective trap nights" differ slightly between transects (Table 14). Mammals captured and traps lost or set off without capture were noted each day and at each transect. Each captured micromammal was stored in a sealed Ziploc bag that was numbered and dated. The animals were frozen quickly. At the end of the survey period, they were transported and stored in a freezer for later identification. The identification of small mammals was carried out using the identification keys of Fauteux et al. (2014a) and Lupien (2001) by Mr. Marc Levasseur, a biologist from Nemaska Ressources, who has several years of experience in this field. The field work was carried out following the issuance of a capture permit by the MFFP (2022-06-14-125-10-G-F).



Map 7

Location of Sampling Stations

Boundary

Study Area (174 ha)

Hydrography

Flow Direction

Infrastructure

Whabouchi Mine

Road Network

Main Road

Local Road

Micromammal Inventory Station

Inventory Transect (No Catch)

Data Sources:
Road Network, Adresse Québec, 2021-12; Project Data, Nemaska Ressources, 2018-2022
Orthophoto, World Imagery, Esri via the Community Maps Program, 2017-08

Environmental Monitoring Report for the Whabouchi 2022 Spodumene Mine Project

Monitoring of the Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland and Shrub Swamp – Micromammal Inventory (NMX B7E-2c)

Nemaska Lithium
Project: 22-0186

March 10, 2023
Approved by: Nadine Marois

Nemaska Lithium
Nemaska Ressources

3 Results

3.1 Pond Coverage

The data collected from the Spodumene Lake peatland drone flyovers allow for an annual analysis of changes in the overall pond coverage of the peatland, as well as 10 individual ponds. Map 3 shows the 2022 aerial image mosaic.

In the 2018 inventory, the overall pond area of the peatland was 13 555.7 m^2, while it was 15 844.6 m^2 in 2019 and 12 590 m^2 in 2021[1]. In the 2022 inventory, the total area of ponds was estimated to be 9 631.7 m^2, which means a loss of 29.1%, 39.2%, and 23.5% of the area compared to 2018, 2019, and 2021, respectively.

The 2022 monitoring was conducted in late June (June 24-26), the 2021 monitoring was conducted in mid-June (June 15-17), and the 2018 and 2019 inventories were conducted in late May to early June (June 1-4, 2018 and May 31-June 3, 2019). Therefore, the 2022 inventory was the inventory that was conducted the latest in the year.

At the end of the summer of 2020, a weather station was installed at the site of the co-location cells by the Université du Québec en Abitibi-Témiscamingue (UQAT) and the following climatic data were recorded: air temperature (in °C), rainfall (in mm), solar radiation (in W/m^2), wind speed and gust (in m/s), wind direction, relative humidity (in%) and dew point (in °C). It should be noted that the rain gauge is sensitive to freezing and is removed during the winter period to avoid damaging it. The work at UQAT was completed in 2021 and although they donated their weather station to Nemaska Lithium, the rain gauge was not reinstalled in the spring of 2022. As a result, there is no precipitation data in the vicinity of the mine site for the year 2022.

However, according to the air temperature data recorded at the UQAT meteorological station from March to June in 2021 and 2022, it can be assumed that snowmelt occurred later in 2022 than in 2021 since the average temperatures in March and April were colder in the last year of monitoring and the average temperatures recorded in May and June were similar between the two years (Table 2).

[1] Since the Whabouchi mining project was on pause in early 2020, there were no aerial flyovers.

In addition, the La Grande IV climate station located 272 km northwest of the Whabouchi mine site records, among other things, air temperature (in °C) and snow accumulation (in cm). Based on air temperature averages recorded at this station between 2018 and 2022, it appears that March and June 2022 were the warmest months of the four years of monitoring, but April and May were not particularly warm compared to the other years of monitoring (Table 3). However, these data are inconsistent with the data recorded at the UQAT station. With respect to snow accumulation at this station, there was very little snow accumulation in the winter of 2021-2022 compared to the other four previous winters (Figure 1).

In summary, in 2022, the drone flyover was conducted later in the year compared to the previous four follow-ups, the air temperature between March and June (spring period) was similar, but at times warmer or colder than previous springs, and snow accumulations were lower. Based on this information, it is possible to believe that the peatland ponds at Spodumene Lake were drier at the time of the 2022 surveys since the small amount of snowpack would have had time to melt and June was relatively warm that year, which would explain the decrease in total area compared to the other monitoring years.

Table 2. Statistics on Air Temperature Data from the UQAT Meteorological Station Installed at the Whabouchi Mine Site and Recorded from March to June in 2021 and 2022[2]

Month / Year	Min	Max	Mean	Median
March 2021	-34,85	10,57	-9,86	-9,30
March 2022	-39,74	5,26	-12,05	-10,97
April 2021	-20,36	18,03	1,40	1,83
April 2022	-21,22	8,37	-2,33	-0,78
May 2021	-9,82	28,52	6,83	6,26
May 2022	-9,54	24,51	7,94	8,27
June 2021	-1,96	28,79	13,79	14,74
June 2022	1,23	28,20	14,26	13,81

Source: Université du Québec en Abitibi-Témiscamingue

[2] Air temperature data are no longer available after June 3, 2022.

Table 3. Statistics on Air Temperature Data Recorded at Environment Canada's La Grande IV Weather Station and Climate Change for the Months of March to June 2018, 2019, 2021 and 2022

Month / Year	Air temperature (°C)			
	Min	Max	Mean	Median
March 2018	-21,1	1,2	-9,29	-8,05
March 2019	-27,8	0,3	-16,24	-16,20
March 2021	-27,6	3,5	-13,12	-13,50
March 2022	2,3	17,5	10,62	10,95
April 2018	-22,9	-5,9	-8,75	-8,15
April 2019	-16,0	4,4	-4,87	-5,10
April 2021	-14,7	7,3	-1,00	0,85
April 2022	-12,0	3,1	-3,23	-1,70
May 2018	-7,1	15,7	0,63	0,55
May 2019	-7,7	9,9	4,08	5,3
May 2021	-4,9	16,1	4,79	5,2
May 2022	-3,9	13,6	4,47	4,8
June 2018	1,2	18,1	8,62	8,5
June 2019	ND	ND	ND	ND
June 2021	2,3	17,5	10,62	10,95
June 2022	7,0	18,9	13,52	13,8

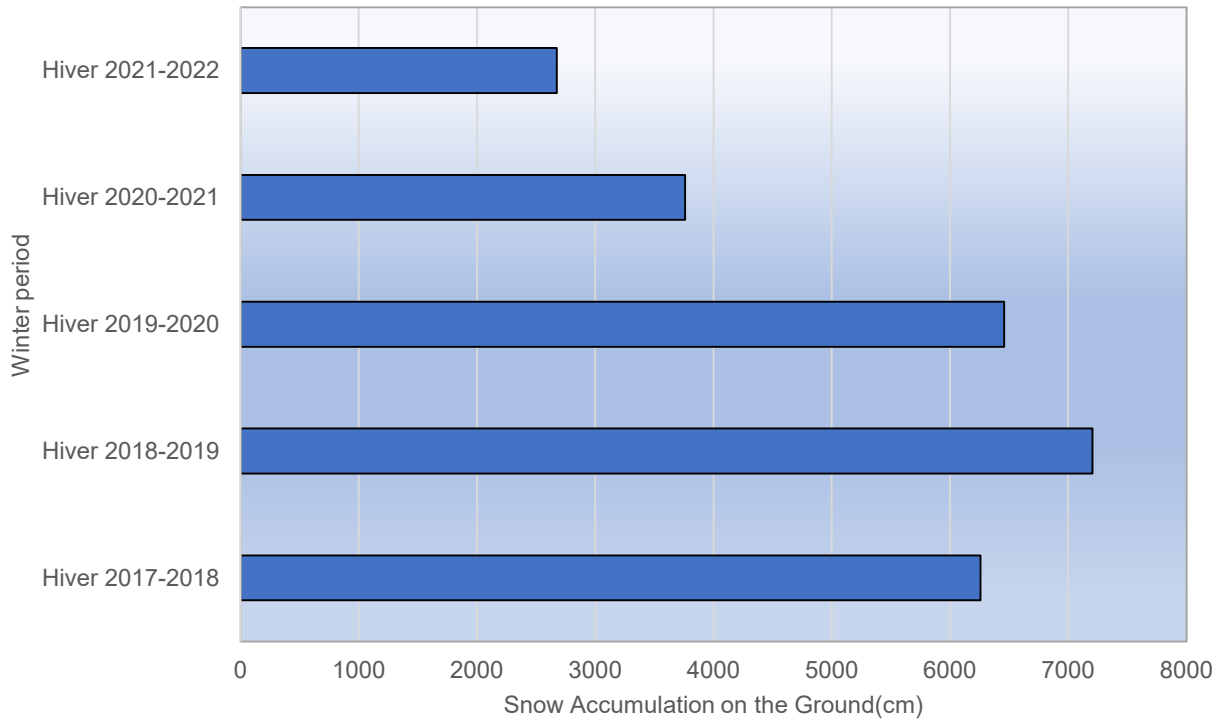


Figure 1. Snow Accumulation on the Ground During the Winter Period of 2017 to 2022 at Environment Canada's Great IV Climate Station and Climate Change

It is difficult to explain the decrease more accurately in overall peatland pond area in 2022 compared to the first few years of inventory as well as the differences observed between 2018 and 2019 without access to nearby recorded snowpack data. In addition, it is difficult to conduct surveys at the same times from year to year, i.e. just after thaw, due to crew and equipment availability in addition to the challenges of sampling a remote site. Ideally, we would like to have access to high-precision satellite images of the mine site taken daily when the sun is at its highest point in the sky, i.e. around noon, in order to limit the biases associated with the time of day when the images are taken. Furthermore, in the absence of a weather station measuring snow accumulation at the site, we could install a level probe in one of the deepest ponds of the peatland. Comparing water levels between years of monitoring would provide insight into the observed differences in area.

3.1.1 Comparison of the Area of the 10 Predetermined Ponds

The area of the 10 predetermined ponds for which a floristic inventory was also measured in 2019 and 2021. The area of the 10 ponds was recalculated in 2022 to assess the loss of area at a smaller scale. The results are presented in Table 4.

Table 4. Comparison of Pond Areas near Vegetation Transects in Spodumene Lake Peatland in 2019, 2021, and 2022.

Pond number	Area in 2019 (m^2)	Area in 2021 (m^2)	Area in 2022 (m^2)
TM-1	298,4	298,2	298,4
TM-2	49,8	46,7	48,2
TM-3	17,2	15,8	17,9
TM-4	84,1	84,1	89,1
TM-5	36,4	36,4	29,5
TM-6	9,0	11,5	26,5
TM-7A	43,5	43,8	48,1
TM-7B	36,4	30,8	45,7
TM-8	27,7	22,3	3,6
TM-9	16,0	15,5	12,5
TM-10	154,8	154,8	145,1
Total	**773,3**	**759,9**	**764,6**

Analyzing Table 4, we see that one of the largest ponds (TM-1), as well as two other ponds (TM-2 and TM-3) have approximately the same area between 2019, 2021, and 2022. Four ponds have smaller area in 2022 compared to 2019 and 2021. The loss in area is particularly significant in pond TM-8. Ponds TM-4, TM-6, TM-7A, and TM-7B, however, have more area in 2022 compared to 2019 and 2021. Ponds TM-6 and TM-7B increased in area by at least 15 and 9.3 m^2 respectively compared to 2019 and 2021, making a 130.4% increase for TM-6 and 48.4% increase for TM-7B compared to 2021, which is particularly significant as a change. The total area of the 10 ponds in 2022 is greater than the total in 2021, but less than the total in 2019. This is a difference of 8.7 m^2, or a 1.1% decrease from 2019, and a difference of 4.7 m^2, or a 0.65% increase from 2021. These differences are very small.

3.2 Biennial Floristic Inventory

In total, 34 inventory stations were carried out. They allowed the identification of more than 104 plant species, all strata and plant associations combined, belonging to 36 different families (Table 5).

Contrary to the 2018 inventory, the identification of sphagnum mosses and other invascular plants was carried out mainly by species. Indeed, in 2018, all unidentified bryophytes observed in the field were grouped into a single group, "Bryophyte spp." Differentiation by species in the 2022 survey necessarily results in an increase in the number of species, although not necessarily an actual increase in the number of species present in the peatland. Thus, a total of 34 species were added to the list of species inventoried in 2022, including 25 bryophytes that were identified to species. Conversely, 13 species that were present in 2018 were not recorded on the inventory plots in 2022. However, this does not mean that these species have disappeared from the peatland, but rather that they were not specifically present at the inventory station. Overall, there is an increase of 18 species in the 2022 inventory compared to 2018. This is an increase of about 20% in the total number of species surveyed (Figure 2).

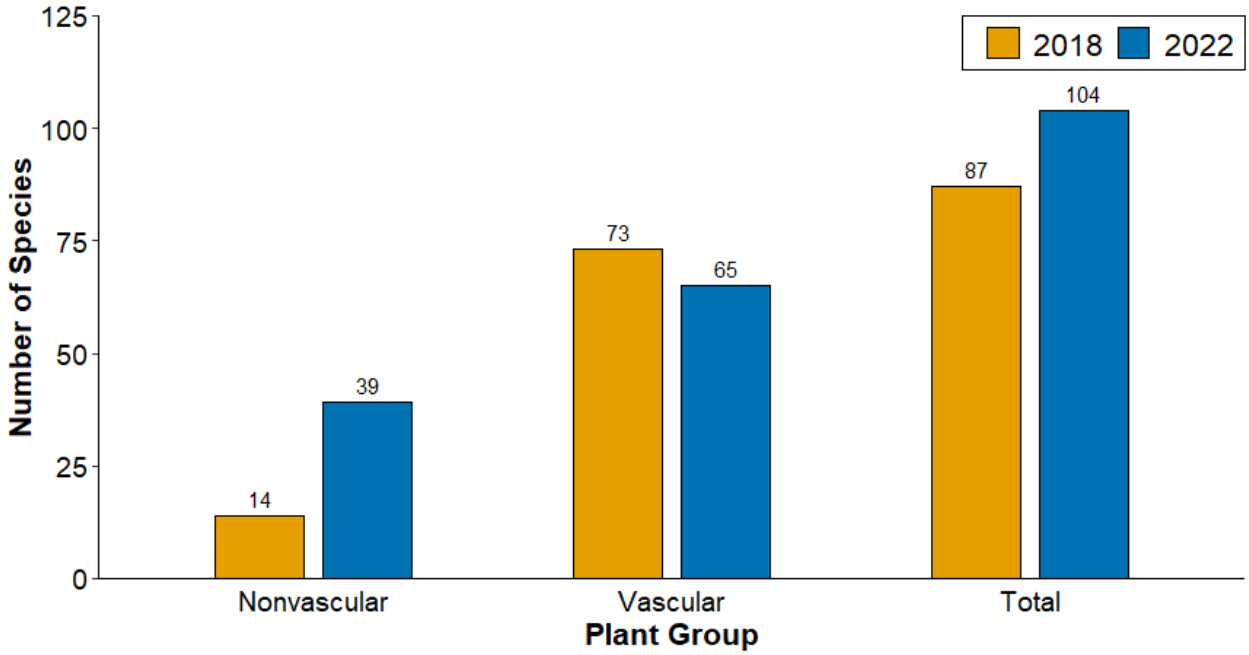


Figure 2. Comparison of the Number of Species by Plant Group between 2018 and 2022.

The complete results of the flora inventory, represented in a table format, are presented in Appendix 1. A photographic record, containing photos of each of the inventory stations conducted in the summer of 2022, is also presented in Appendix 2.

Table 5. List of Plant Species Recorded in the Spodumene Lake Peatland and Shrub Swamp during the 2022 Survey

Latin name	Common name	Family	Latin name	Common name	Family	Latin name	Common name	Family
Alnus incana subsp. *rugosa*	Speckled alder	Betulaceae	*Geocaulon lividum*	Northern comandra	Santalaceae	*Salix sp.*	Willow sp.	Salicaceae
Andromeda polifolia	Bog rosemary	Ericaceae	*Glyceria borealis*	Boreal mannagrass	Poaceae	*Sarmenthypnum sarmentosum*	Twiggy spoon moss	Calliergonaceae
Betula pumila	Bog birch	Betulaceae	*Glyceria canadensis*	Canada mannagrass	Poaceae	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae
Calamagrostis canadensis	Bluejoint grass	Poaceae	*Hypnum lindbergii*	Lindberg's plait moss	Hypnaceae	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae
Callicladium haldanianum	Beautiful branch moss	Hypnaceae	*Juncus brevicaudatus*	Short-tailed rush	Juncaceae	*Scirpus atrocinctus*	Black-girled bulrush	Cyperaceae
Carex aquatilis	Water sedge	Cyperaceae	*Juncus effusus*	Soft rush	Juncaceae	*Solidago uliginosa*	Bog goldenrush	Asteraceae
Carex brunnescens	Brownish sedge	Cyperaceae	*Kalmia angustifolia*	Narrow-leaved kalmia	Ericaceae	*Sphagnum angustifolium*	Narrow-leaved peat moss	Sphagnaceae
Carex canescens	Hoary sedge	Cyperaceae	*Kalmia polifolia*	Pale bog laurel	Ericaceae	*Sphagnum balticum*	Baltic peat moss	Sphagnaceae
Carex debilis	White-edge sedge	Cyperaceae	*Kurzia pauciflora*	Bristly fingerwort	Lepidoziaceae	*Sphagnum capillifolium*	Small red peat moss	Sphagnaceae
Carex echinata	Star sedge	Cyperaceae	*Larix laricina*	Tamarack	Pinaceae	*Sphagnum compactum*	Compact peat moss	Sphagnaceae
Carex exilis	Meagre sedge	Cyperaceae	-	Lichen sp.	-	*Sphagnum cuspidatum*	Feathery peat moss	Sphagnaceae
Carex limosa	Mud sedge	Cyperaceae	*Lophozia guttulata*	Droplet notchwort	Scapaniaceae	*Sphagnum fallax*	Flat-top peat moss	Sphagnaceae
Carex magellanica	Boreal bog sedge	Cyperaceae	*Lycopus uniflorus*	Northern water-horehound	Lamiaceae	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae
Carex michauxiana	Michaux's sedge	Cyperaceae	*Lysimachia borealis*	Northern starflower	Primulaceae	*Sphagnum girgenshonii*	Girgensohn's peat moss	Sphagnaceae
Carex oligosperma	Few-seeded sedge	Cyperaceae	*Lysimachia terrestris*	Swamp yellow loosestrife	Primulaceae	*Sphagnum lescurii*	Lesquereux's peat moss	Sphagnaceae
Carex pauciflora	Few-flowered sedge	Cyperaceae	*Maianthemum canadense*	Wild lily-of-the-valley	Asparagaceae	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae
Carex trisperma	Three-seeded sedge	Cyperaceae	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	*Sphagnum majus*	Greater peat moss	Sphagnaceae
Carex vesicaria	Inflated sedge	Cyperaceae	*Melampyrum lineare*	American cow-wheat	Orobanchaceae	*Sphagnum papillosum*	Papillose peat moss	Sphagnaceae
Cetraria islandica subsp. *islandica*	Iceland moss	Parmeliaceae	*Menyanthes trifoliata*	Bog buckwheat	Menyanthaceae	*Sphagnum platyphyllum*	Flat-leaved peat moss	Sphagnaceae
Chamaedaphne calyculata	Leatherleaf	Ericaceae	*Mylia anomala*	Anomalous flapwort	Myliaceae	*Sphagnum pulchrum*	Beautiful peat moss	Sphagnaceae
Cladonia cristatella	British soldier	Cladoniaceae	*Myrica gale*	Sweet gale	Myricaceae	*Sphagnum rubellum*	Red peat moss	Sphagnaceae
Cladonia mitis	Green reindeer lichen	Cladoniaceae	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	*Sphagnum russowii*	Russow's peat moss	Sphagnaceae
Cladonia rangiferina	Gray reindeer lichen	Cladoniaceae	*Oncophorus whalenbergii*	Wahlenberg's spur moss	Dicranaceae	*Sphagnum venustum*	Charming peat moss	Sphagnaceae
Cladonia sp.	Cladonie sp.	Cladoniaceae	*Pellia cf epiphylla*	Common pellia	Pelliaceae	*Spinulum annotinum* subsp. *annotinum*	Stiff clubmoss	Lycopodiaceae
Cladonia stellaris	Star-tipped reindeer lichen	Cladoniaceae	*Picea mariana*	Black spruce	Pinaceae	*Spiraea alba* var. *latifolia*	Broad-leaved meadowsweet	Rosaceae

Latin name	Common name	Family	Latin name	Common name	Family	Latin name	Common name	Family
Dicranum scoparium	Common broom moss	Dicranaceae	*Pinus banksiana*	Jack pine	Pinaceae	*Thalictrum pubescens*	Tall meadow-rue	Ranunculaceae
Dicranum undulatum	Wavy broom moss	Dicranaceae	*Pleurozium schreberi*	Red-stemmed feather moss	Hylocomiaceae	*Trichophorum cespitosum*	Tufted clubrush	Cyperaceae
Drosera anglica	English sundew	Droseraceae	*Pohlia nutans*	Common nodding moss	Mielichhoferiaceae	*Utricularia cornuta*	Horned bladderwort	Lentibulariaceae
Drosera intermedia	Spoon-leaved sundew	Droseraceae	*Polytrichum juniperinum*	Juniper haircap moss	Polytrichaceae	*Vaccinium angustifolium*	Early lowbush blueberry	Ericaceae
Drosera rotundifolia	Round-leaved sundew	Droseraceae	*Polytrichum strictum*	Bog haircap moss	Polytrichaceae	*Vaccinium boreale*	Northern blueberry	Ericaceae
Epilobium palustre	Marsh willowherb	Onagraceae	*Ranunculus flammula* var. *reptans*	Narrow-leaved creeping spearwort	Ranunculaceae	*Vaccinium myrtilloides*	Velvet0leaved blueberry	Ericaceae
Eriocaulon aquaticum	Seven-angled pipewort	Eriocaulaceae	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	*Vaccinium oxycoccos*	Small cranberry	Ericaceae
Eriophorum vaginatum	Tussock cottongrass	Cyperaceae	*Rhynchospora alba*	White beakrush	Cyperaceae	*Vaccinium uliginosum*	Bog bilberry	Ericaceae
Eurybia radula	Low rough aster	Asteraceae	*Rubus chamaemorus*	Cloudberry	Rosaceae	*Viola* sp.	Violet sp.	Violaceae
Gentiana linearis	Narrow-leaved gentian	Gentianaceae	*Rubus pubescens*	Dwarf raspberry	Rosaceae			

3.2.1 Clustering Analysis

Ward's hierarchical agglomerative clustering method was used to group the inventory stations conducted into five (5) habitat types namely ombrotrophic peatland, minerotrophic peatland (fen) as well as three (3) shrub swamp groups. Table 6 compares the results of the clustering analyses performed on the 2022 inventory, 2018 inventory and reference groupings data. Details of the clustering analysis performed are presented in Appendix 3.

For example, typical minerotrophic peatland vegetation is found at 5 stations, ombrotrophic peatland at 13, and shrub swamp accounts for 16, with 4 in cluster 1 and 6 in clusters 2 and 3, respectively (Figure 3).

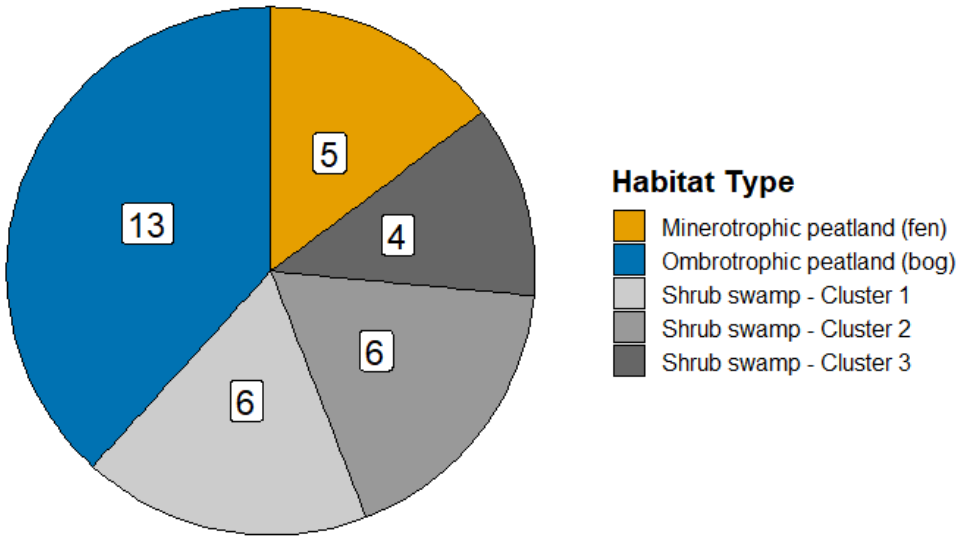


Figure 3. Overall Distribution of Stations by Habitat Type Based on Cluster Analysis of 2022 Data

Comparing the groupings obtained on the 2018 inventory data, 7 of the 34 inventory stations have changed their names from the reference grouping (Table 6, shown in bold). Among the notable changes, stations S11, S12, and S21 are now in the shrub swamp. As can be seen on Map 4, these three stations are located along the edge of Spodumene Lake, which may explain the similarity of the plant community at these stations to those located in the shrub swamp along the shore of D Creek. Species present at these stations, such as balsam myrtle (*Myrica gale*), speckled alder (*Alnus incana subsp. rugosa*), and jack pine (*Pinus banksiana*) are normally associated with more nutrient-rich habitats, including intermediate to very rich fens such as riparian swamps (Payette and Rochefort, 2001). Also, stations TR-1-C and TR-1-D were added to the minerotrophic peatland grouping because of their floristic assemblages typical of this habitat, including mud sedge (*Carex limosa*) and conspicuous sphagnum moss (*Sphagnum pulchrum*) (Table 6) (Ayotte and Rochefort, 2019; Payette and Rochefort, 2001). However, these stations are distinct from the others and are

part of a subgrouping (identified as Fen - G2), thus they are considered to be a transitional environment between the shrub swamp of D Creek and the minerotrophic peatland.

In the same order, when comparing the groupings obtained on the 2022 inventory data, we notice that only 4 of the 34 inventory stations have changed their name from the reference groupings. This means that 3 of the 34 stations would have changed grouping between the data collected in 2018 and those collected in 2022 (Table 6). Indeed, station S8, which was classified in the minerotrophic peatland in 2018, is part of the ombrotrophic peatland in 2022 following the reference grouping. Considering the positioning of this station at the edge of the peatland and relatively close to roads (Map 4), it is possible that the vegetation present at this station is particularly variable from year to year. It is therefore a station to be monitored in the coming years. Also, stations TR-1-C and TR-1-D are associated with shrub swamp in 2022. This change in grouping supports the hypothesis previously put forward concerning the transitional nature of these stations between shrub swamp and fens.

Table 6. Habitats Obtained in Clustering Analyses Performed on Data Collected in 2018 and 2022 Compared to Baseline Clusters

Station	Reference grouping	Grouping by analysis 2018	Grouping by analysis 2022
S1	Fen	Fen	Fen
S2	Bog	Bog	Bog
S3	Bog	Bog	Bog
S4	Bog	Bog	Bog
S5	Bog	Bog	Bog
S6	Bog	Bog	Bog
S7	Bog	Bog	Bog
S8	Bog	**Fen**	Bog
S9	Bog	Bog	Bog
S10	Fen	Fen	Fen
S11	Bog	**Shrub swamp – G1**	**Shrub swamp -G1**
S12	Bog	**Shrub swamp – G2**	**Shrub swamp – G2**
S13	Bog	Bog	Bog
S14	Bog	Bog	Bog

Station	Reference grouping	Grouping by analysis 2018	Grouping by analysis 2022
S15	Bog	Bog	Bog
S16	Bog	Bog	Bog
S17	Fen	Fen	Fen
S18	Fen	Fen	Fen
S19	Fen	**Bog**	**Bog**
S20	Fen	Fen	Fen
S21	Bog	**Shrub swamp – G1**	**Shrub swamp – G1**
TR-1-A (22)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G3
TR-1-B (23)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G3
TR-1-C (24)	Shrub swamp	**Fen – G2**	Shrub swamp – G3
TR-1-D (25)	Shrub swamp	**Fen – G2**	Shrub swamp – G3
TR-2-A (26)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G1
TR-2-B (27)	Shrub swamp	Shrub swamp – G1	Shrub swamp – G1
TR-2-C (28)	Shrub swamp	Shrub swamp – G1	Shrub swamp – G1
TR-2-D (29)	Shrub swamp	Shrub swamp – G1	Shrub swamp – G1
TR-3-A (30)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G2
TR-3-B (31)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G2
TR-3-C (32)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G2
TR-3-D (33)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G2
TR-3-E (34)	Shrub swamp	Shrub swamp – G2	Shrub swamp – G2

The results presented in the following sections refer to the clustering obtained during the clustering analysis on the 2022 inventory data.

3.2.2 Typical Minerotrophic Peatland (Fen) Vegetation

Within the fens, more than 17 plant species were counted in the 5 inventory stations conducted in the summer of 2022 (Appendix 1).

The tree stratum was completely absent during the 2022 inventory. This is similar to the 2018 inventory where no species were recorded in this stratum.

The shrub layer has variable cover between stations, ranging from 0 to 5%, with an average of 3.2%. Four (4) shrub species are found in the inventory plots of this habitat type, compared to nine (9) in 2018. Black spruce (*Picea mariana*), narrow-leaved kalmia (*Kalmia angustigolia*), tamarack (*Larix laricina*), common Labrador tea (*Rhododendron groenlandicum*), and cloudberry (*Rubus chamaemorus*) were not recorded within the plots (Figure 4). However, they were observed in the vicinity of the plots and thus remain species that are generally present in the peatland. It should also be noted that shrub species are generally less present in fens compared to ombrotrophic fens. This is particularly true of ericaceous species, some of which are no longer recorded in 2022.

As shown in Figure 5, the most frequent species are the same as in 2018, i.e., bog rosemary (*Andromeda polifolia*), leatherleaf (*Chamaedaphne calyculata*), and small cranberry (*Vaccinium oxycoccos*). The most abundant species was leatherleaf with an average cover of 1.5%, similar to 2018 (Figure 5). The cover of bog rosemary, the second most abundant species, is lower than in 2018 by 2.4%, a significant decrease of 67% (Figure 5).

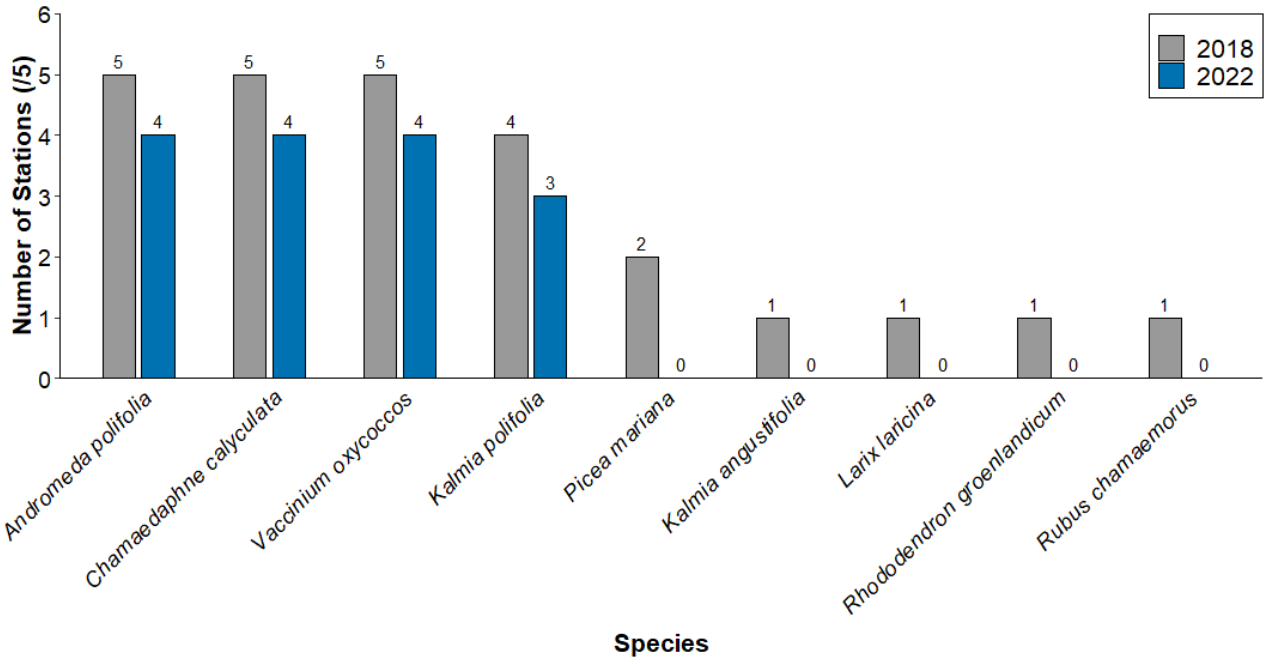


Figure 4. Minerotrophic Peatland - Shrub Stratum - Number of Sites with Species Present (/5) between 2018 and 2022

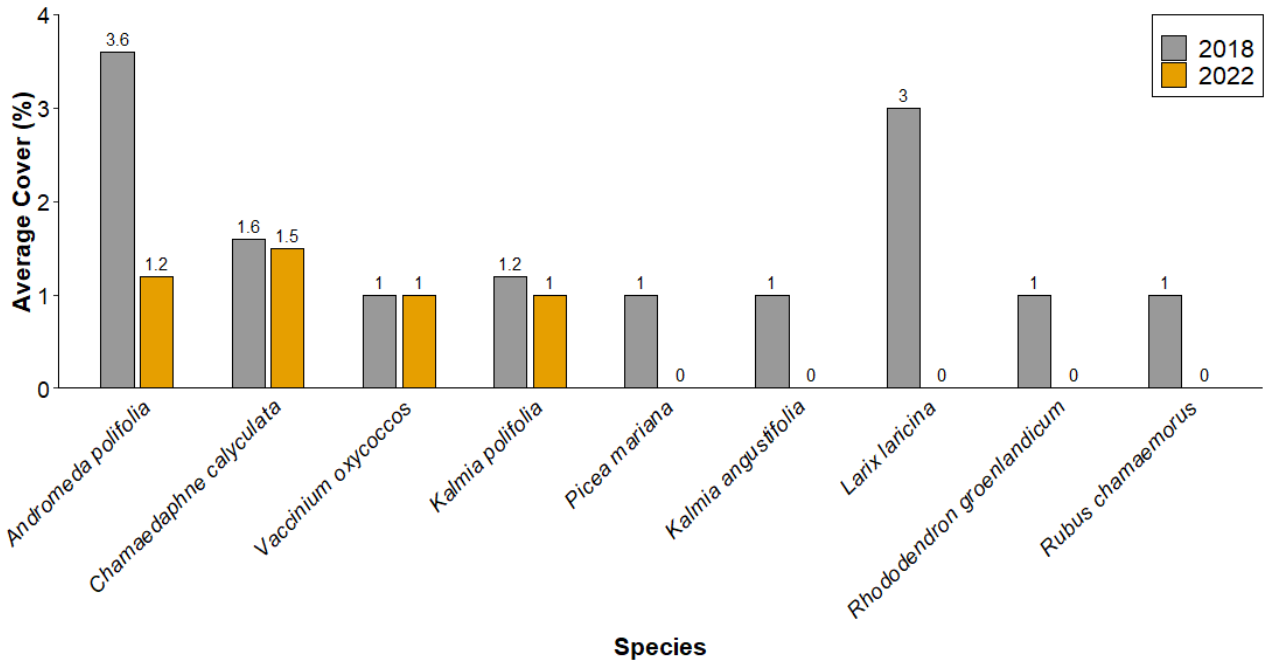


Figure 5. Minerotrophic Peatland – Shrub Stratum - Average Cover (%) by Species between 2018 and 2022

The herbaceous stratum shows variable cover between stations, ranging from 10 to 90%, with an average of 37% in 2022. Ten (10) species are counted in the inventory plots of this habitat type, compared to 12 in 2018. The moor rush (*Juncus stygius*) and three-leaved false Solomon's seal (*Maianthemum trifolium*) are no longer present at stations S10 and S1 respectively. English sundew (*Drosera anglica*), spoon-leaved sundew (*Drosera intermedia*), and meagre sedge (*Carex exilis*) increased their frequency in the environment by being present at 1, 2 (100% gain), and 1 more station, respectively, than in 2018 (Figure 6). Conversely, round-leaved sundew (*Drosera rotundifolia)* decreased in frequency by about 66% from 3 to 1 inventory station between 2018 and 2022 (Figure 6).

As in 2018, white beakrush (*Rhynchospora alba*) is the most frequent and abundant species in this habitat type with a presence at all stations and an average cover of 25%, an increase of about 15% from 2018 (Figure 6 and Figure 7). This species, when conditions are ideal, spreads widely and a multitude of stems are present. The other species are generally less abundant in nature when present, accounting for the lower percentages of cover. English drosera, the second most abundant species, also increased by about 70% from 2018 while the other species show rather similar abundances between 2018 and 2022 (Figure 7).

These changes appear to reflect a very wet year (winter, spring, and summer), causing the water table to rise. At this scale, height differences of a few centimetres could explain the gain of species that prefer very wet environments, such as the white beakrush. Conversely, species that prefer moderate moisture conditions without flooding may not be visible, such as round-leaved sundew (Payette and Rochefort, 2001).

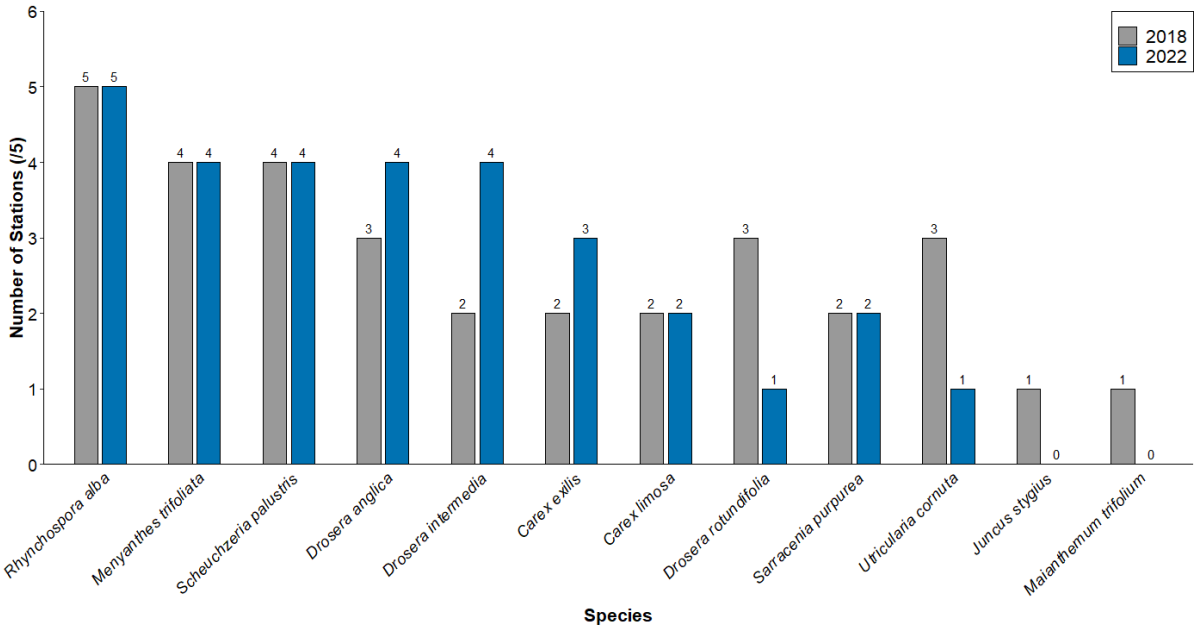


Figure 6. Minerotrophic Peatland - Herbaceous Stratum - Number of Stations where the Species is Present (/5) between 2018 and 2022

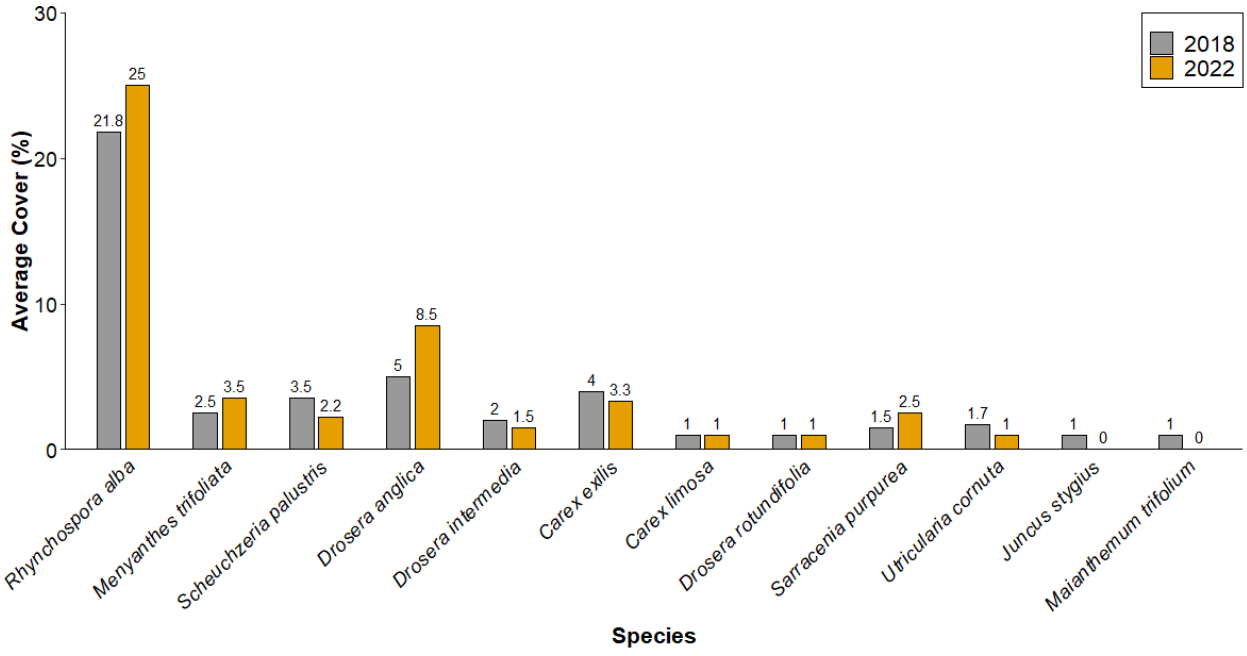


Figure 7. Minerotrophic Peatland - Herbaceous Stratum - Average Cover (%) by Species between 2018 and 2022

The cover of the moss stratum is relatively variable, ranging from 50% to 95% depending on the station, with an average cover of 81% in the 2022 survey. Bryophytes are present at all stations in the minerotrophic peatland (Figure 8 A). They show an average cover of 79% in 2022, which is a decrease of about 13% from 2018 (Figure 8 B).

Again, the water table appeared to be very high in 2022, at least compared to 2021. Similar to what was described above, if the water level becomes too high, even for peat mosses requiring very shallow open water, the rise in level could affect the species' cover rate (Ayotte and Rochefort, 2019). The loss of cover is generally to open water in the plots inventoried.

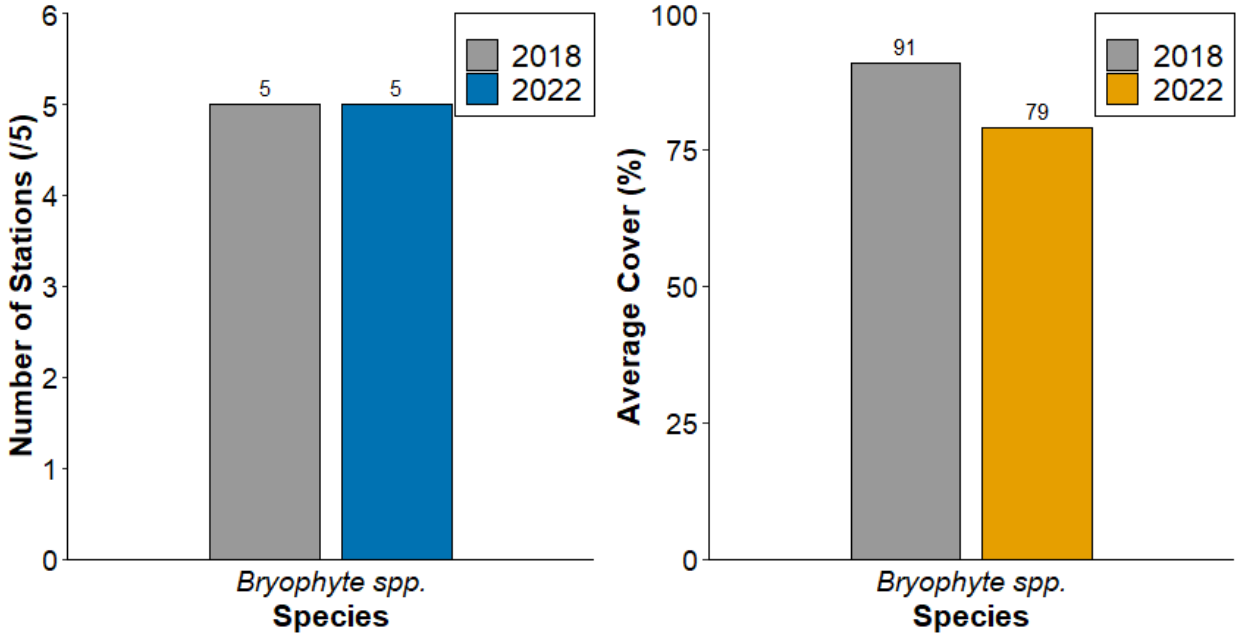


Figure 8. Minerotrophic Peatland - Moss Stratum - A) Number of Stations with Species Present (/5) and B) Average Cover (%) by Species between 2018 and 2022.

Considering the importance of the bryophyte group in the peatland, it becomes relevant to identify it by species. Thus, 3 species were identified in the stations of the minerotrophic peatland in the summer of 2022. They are two (2) peat mosses, the greater peat moss (*Sphagnum majus*) and the papillose peat moss (*Sphagnum papillosum*) and one (1) liverwort, the bog notchwort (*Odontoschisma fluitans*). Greater peat moss is the species that was observed at the most stations, at each of the 5 stations, and is the most abundant in this habitat type with an average cover of 61% (Figure 9). Papillose peat moss also has a high abundance with an average cover of 40%, but is identified at only one station, S17 (Figure 9). Greater peat moss is particularly fond of "depressions with outcropping water tables and belts ponds and ponds in poor ombrotrophic and minerotrophic peatlands" (Ayotte and Rochefort, 2019). Bog notchwort occurs in the same habitats as greater peat moss; they are companion species (Payette and Rochefort, 2001). As for papillose peat moss, it forms mats in poor fens and is an indicator of minerotrophy (Ayotte and Rochefort, 2019).

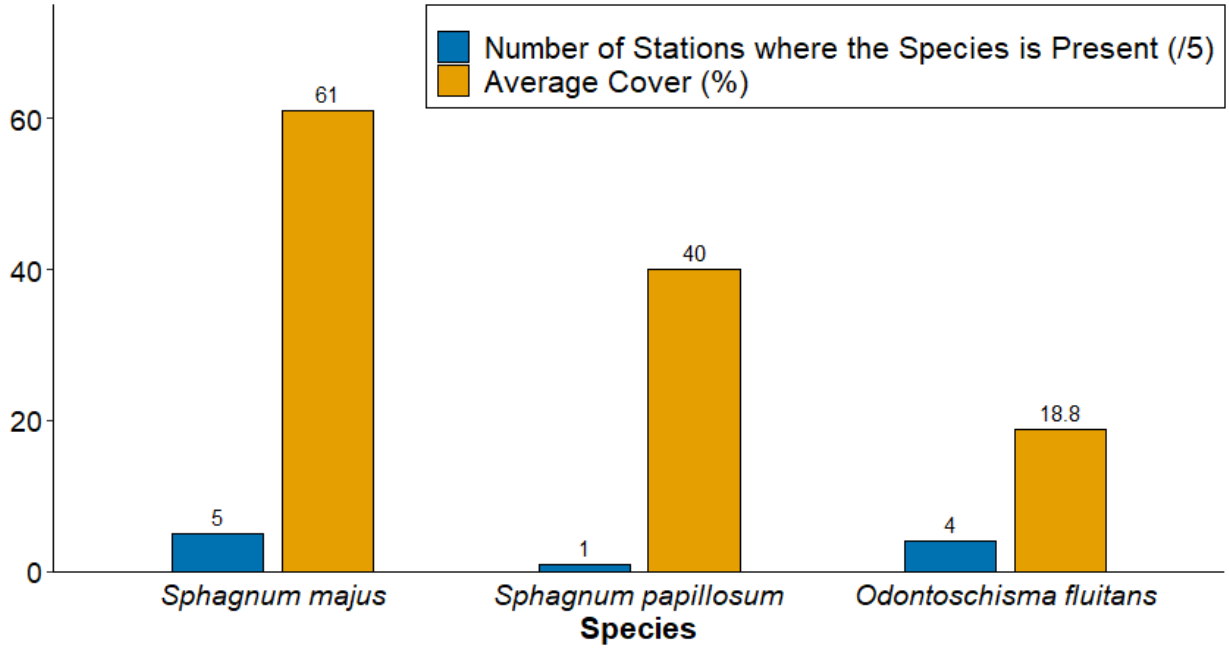


Figure 9. Minerotrophic Peatland - Moss Stratum - Number of Stations where the Species is Present (/5) and Average Cover (%) by Bryophyte Species Identified with the Species in 2022

3.2.3 Typical Ombrotrophic Peatlands (Bog) Vegetation

Within the peatlands, over 38 plant species were counted at the 13 inventory stations conducted in the summer of 2022 (Appendix 1).

The tree layer was completely absent during the 2022 inventory. This did not change much when compared to the 2018 inventory, as only 1-2% black spruce (*Picea mariana*) was noted at the stations where it was present, i.e. at 6 of the 13 stations. Moreover, observations of black spruce were made nearby, but outside of the survey plots. The species is therefore generally present in the ombrotrophic peatland.

The shrub layer varies from 12 to 75% cover, with an average of 41%. It includes 10 distinct species, the same as in 2018. Four (4) species were recorded at all stations (Figure 10). These were leatherleaf, sheep laurel, pale pog laurel, and small cranberry. The latter two having been identified at one more station than in 2018. Black spruce and tamarack were observed half as much in 2022 compared to observations in the inventory conducted in 2018.

As shown in Figure 11, cloudberry was the most abundant shrub species on ombrotrophic peatland sites in 2022 with an average cover of 11%, which represents an increase in abundance of 144%. The second most abundant species is the leatherleaf, which still experienced a significant decrease of 64% between 2018 and 2022. Black spruce also experienced a decrease in abundance of 44% in 2022. Conversely, several species in this stratum increased in abundance between the two inventory periods (Figure 11). Indeed, tamarack, pale bog laurel, and sheep laurel experienced increases of 333%, 133%, and 60%, respectively, from 2018.

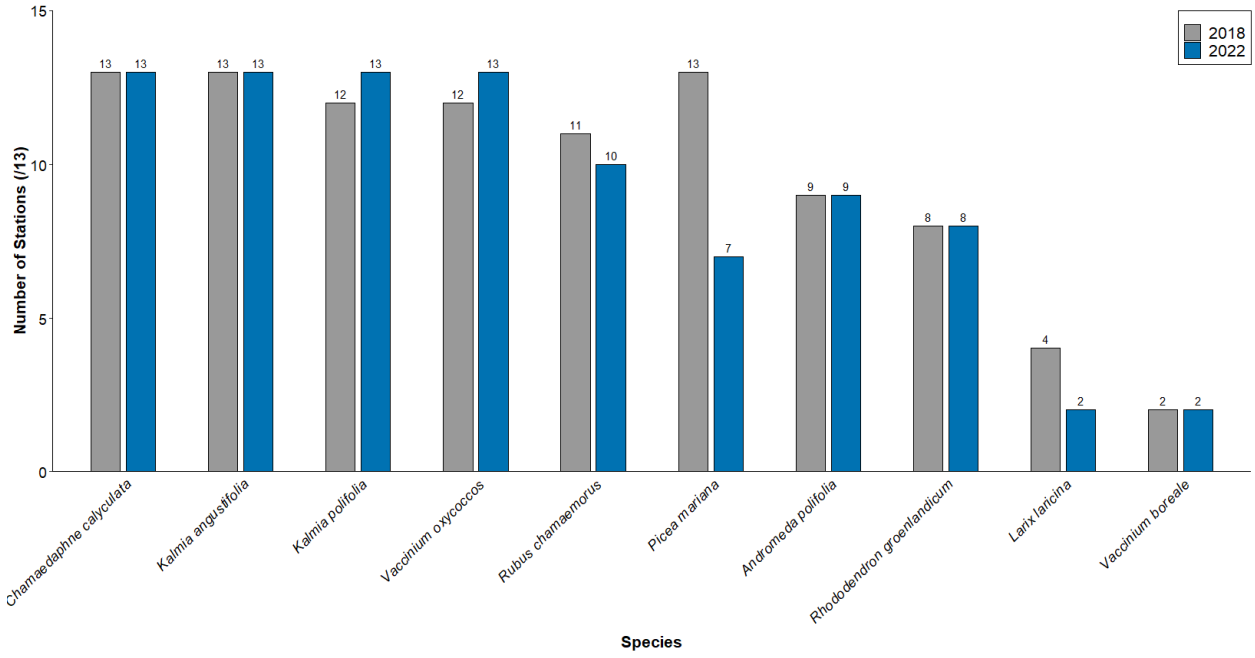


Figure 10. Ombrotrophic Peatland - Shrub Stratum - Number of Stations where the Species is Present (/13) between 2018 and 2022

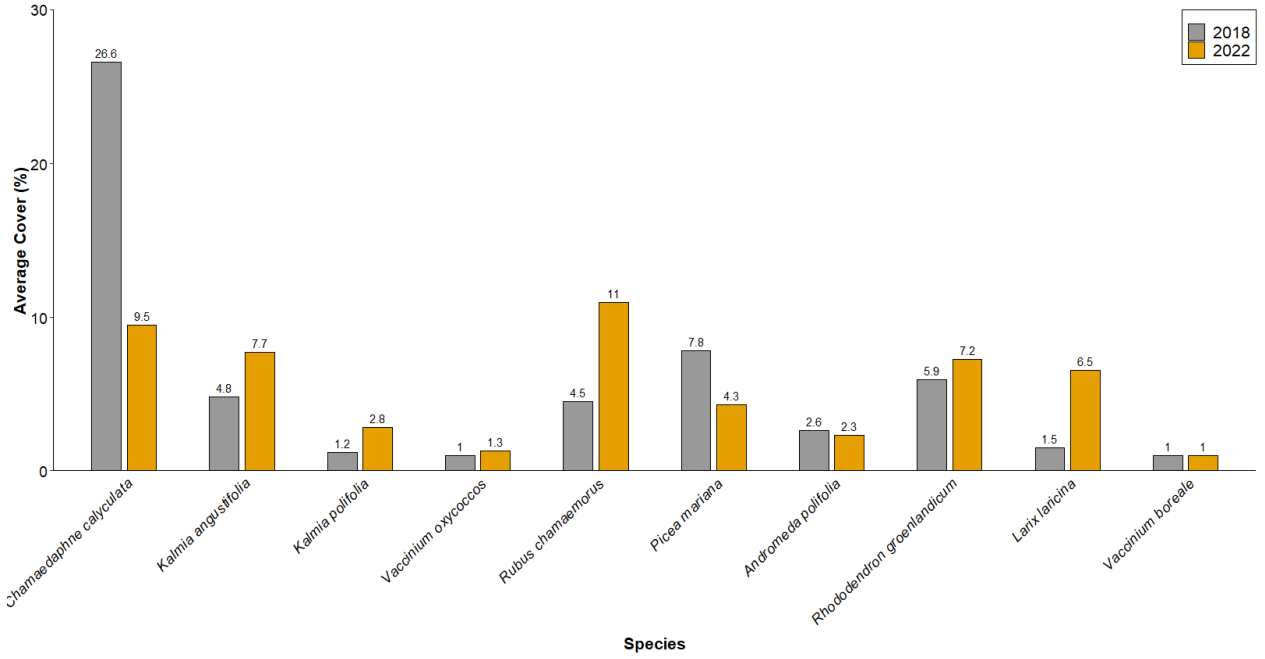


Figure 11. Ombrotrophic Peatland - Shrub Stratum - Average Cover (%) by Species between 2018 and 2022

The herbaceous stratum shows variable cover between stations, ranging from 1 to 40%, with an average of 16% during the summer 2022 inventory. There are 11 species, one less than in the previous survey. The three seeded sedge (*Carex trisperma*) is no longer present at station S9. The most frequently observed species in the ombrotrophic peatland are round-leaved drosera, few-flowered sedge (*Carex pauciflora*), few-seeded sedge (*Carex oligosperma*), and tussock cottongrass (*Eriophorum vaginateum*) (Figure 12). Incidentally, round-leaved sundew has seen a marked increase in frequency at 5 additional stations between 2018 and 2022.

In terms of cover by species, tussock cottongrass and few-seeded sedge are the most abundant at stations in this environment (Figure 13), despite a decrease of about 23% for the latter. In addition, three-leaved false Salomon's seal and marsh sedge (*Scheuchzeria palustris*) showed significant increases in abundance of about 150% and 400%, respectively, between the two survey periods.

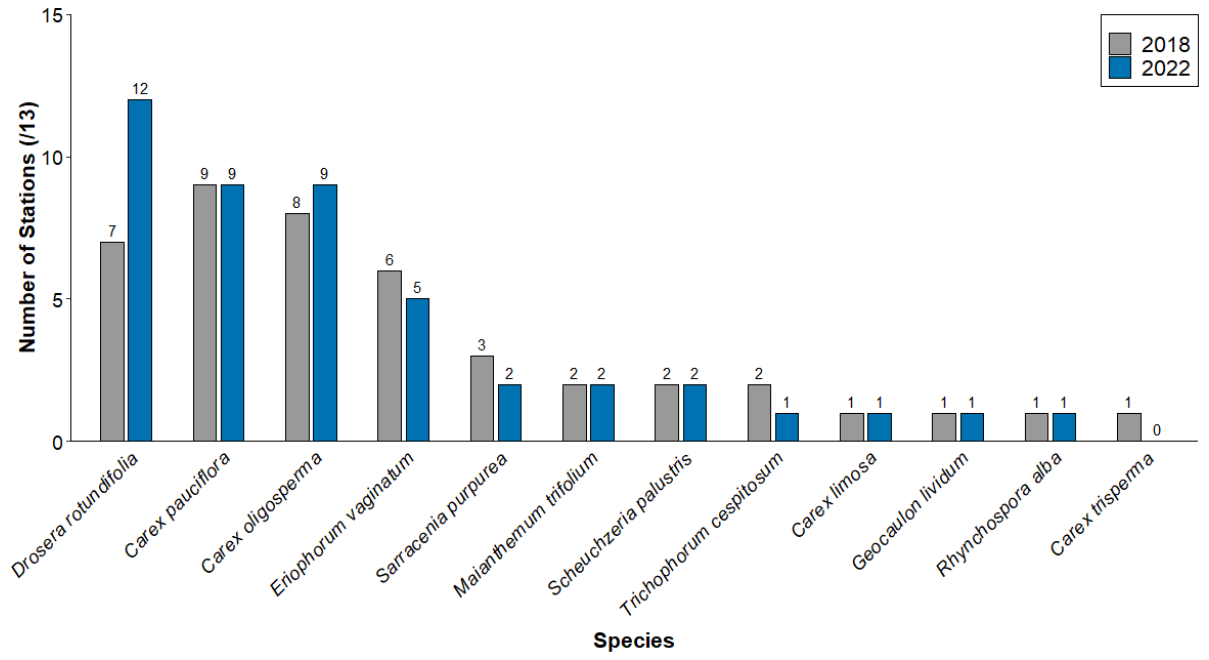


Figure 12. Ombrotrophic Peatland - Herbaceous Stratum - Number of Stations where the Species is Present (/13) between 2018 and 2022

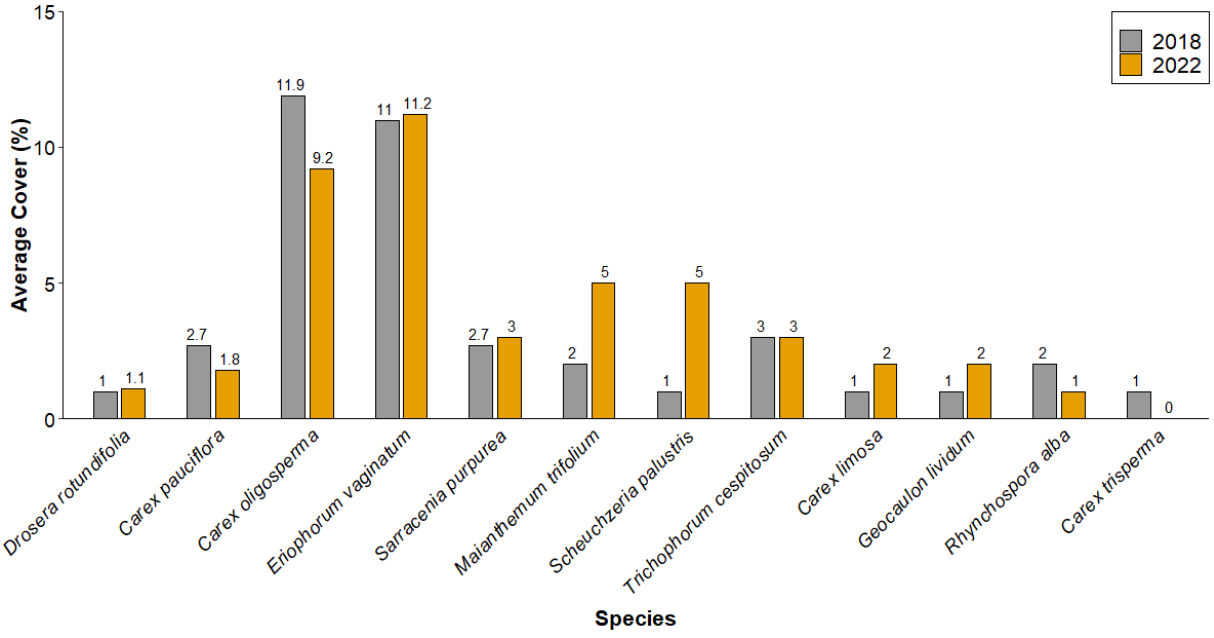


Figure 13. Ombrotrophic Peatland - Herbaceous Stratum - Average Cover (%) by Species between 2018 and 2022

The cover of the moss stratum is relatively variable, ranging from 62-100% depending on the station, with an average cover of 92% in the 2022 survey. Bryophytes are present at all stations in the ombrotrophic peatland (Figure 14). Three (3) new species were detected in this habitat. These are anomalous flapwort (*Mylia anomala*), a liverwort, and star-tipped reindeer lichen (*Cladonia stellaris*) and a species of cup lichen (*Cladonia sp*.), lichens. Note also that gray reindeer lichen (*Cladonia rangiferina*) is present at 2 more stations than in the previous survey.

In Figure 15, we see that the grouped bryophytes show an average cover of 83% in 2022, which is a decrease of about 8% from 2018. Green reindeer lichen (*Cladonia mitis*) also showed a significant decline in abundance with 66%.

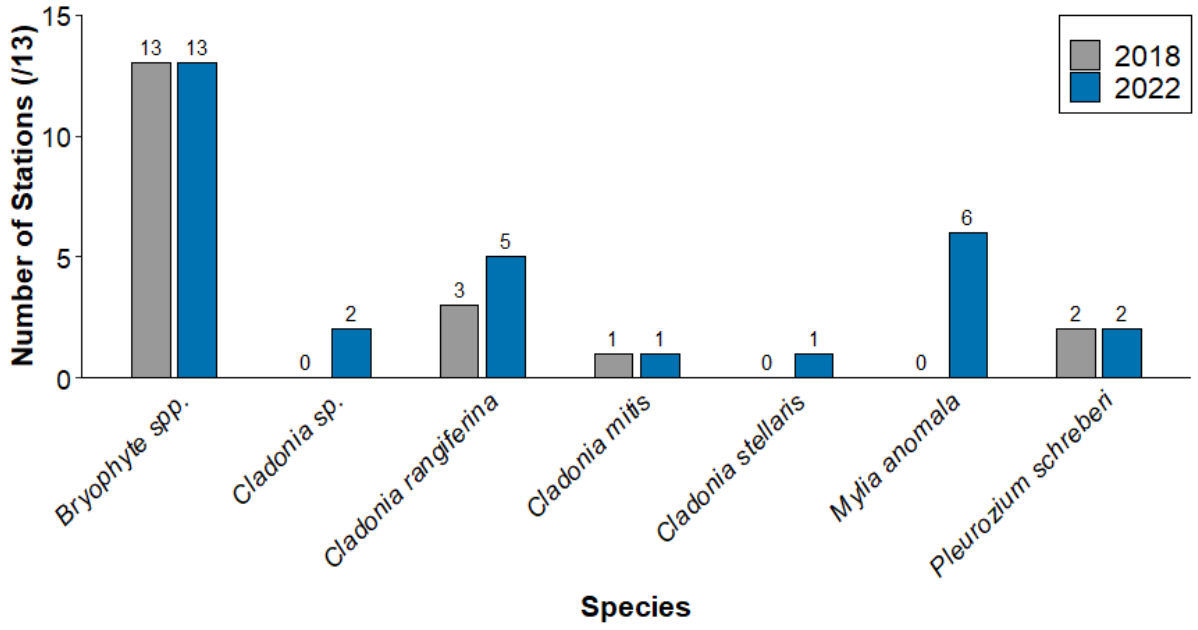


Figure 14. Ombrotrophic Peatland - Moss Stratum - Number of Stations where the Species is Present (/13) between 2018 and 2022

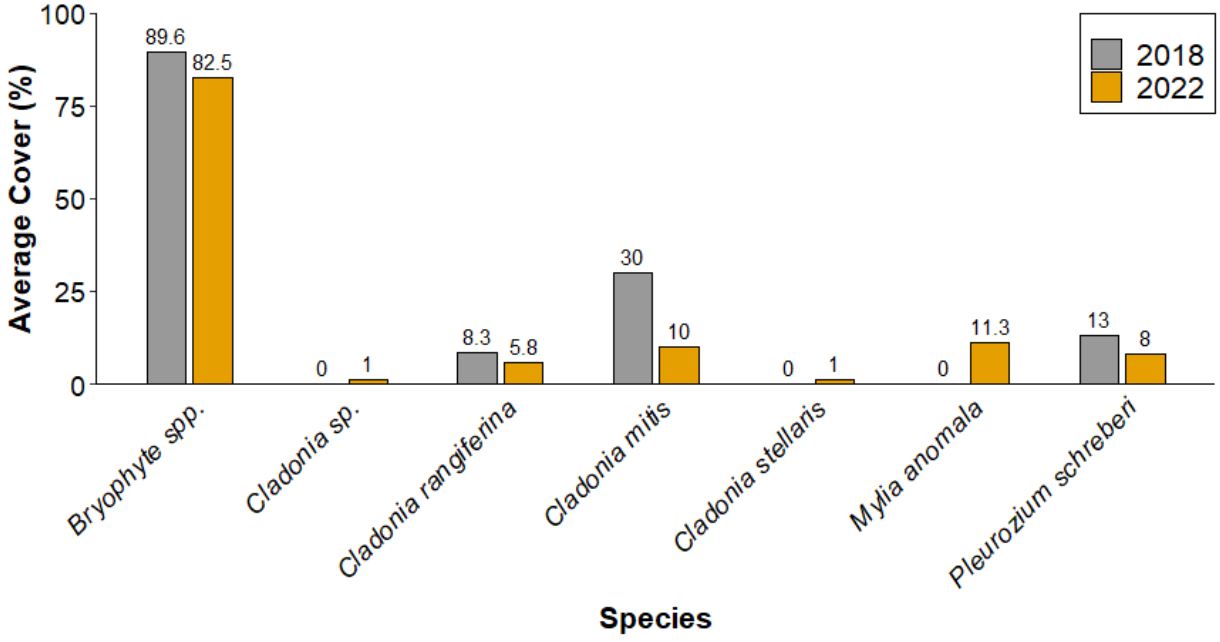


Figure 15. Ombrotrophic Peatland - Moss Stratum - Average Cover (%) by Species between 2018 and 2022

Once again, the importance of the bryophyte group in the peatland demonstrates the relevance of identification to species. Thus, 15 species were identified in the ombrotrophic peatland stations in the summer of 2022 (Figure 16). These include 12 species of mosses, including 10 peat mosses (see *Sphagnum sp*.) and 2 polytrics (see *Polytrichum sp*.), 2 liverworts, namely bog notchwort and bristly fingerwort (*Kurzia pauciflora*), and 1 lichen (which is not a bryophyte), namely Iceland moss (*Cetraria islandica ssp. islandica*).

Brown peat moss (*Sphagnum fuscum*) and narrow-leaved peat moss (*Sphagnum angustifoilum*) are the two most frequent species in the ombrotrophic peatland with observations at more than half of the 13 survey stations (Figure 16). Brown peat moss is also the most abundant in this habitat type with an average cover of 54%. The second most abundant species is the baltic peat moss (*Sphagnum balticum*), but it is identified in only one station, S19.

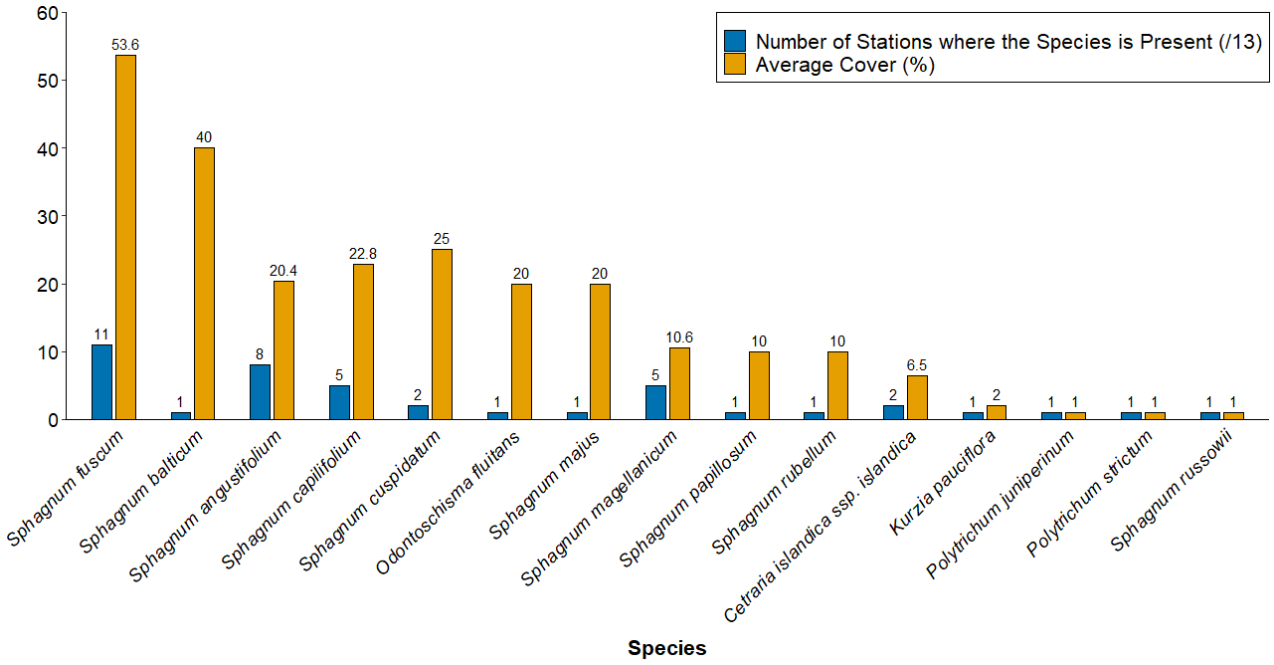


Figure 16. Ombrotrophic Peatland - Moss Stratum - Number of Stations with Species Present (/13) and Average Cover (%) by Bryophyte Species Identified with the Species in 2022

3.2.4 Typical Shrub Swamp Vegetation

The shrub swamp vegetation is divided into three distinct groupings based on the clustering analysis performed on the 2022 inventory data. These groupings correspond primarily to the three transects that were conducted along D Creek with the addition of one or two stations that were originally considered to be part of the Spodumene Lake peatland.

Overall, 83 species were counted in the 16 stations surveyed in the summer of 2022 (Appendix 1). This makes it the most diverse environment in the study area.

3.2.4.1 Shrub Swamp – Group 1

This shrub swamp cluster corresponds to stations S11 and S21, located between the peatland and Spodumene Lake, and all of the stations in Transect 2. A total of 32 species are identified during the 2022 survey.

The tree layer is completely absent during the 2022 survey. This is relatively similar to observations from the 2018 inventory where only 1% jack pine (*Pinus banksiana*) was noted. The species is actually present on the periphery of the TR-2-C and TR-2-D inventory plots.

Shrub cover ranged from 0-95% depending on the station, with an average of 68% in 2022. Nine (9) species were recorded there in the summer of 2022, which is a decrease of 4 species from the 2018 inventory. This is because sweet gale, Bebb's willow, broad-leaved meadowsweet (*Spiraea alba var latifolia*), and bog bilberry (*Vaccinium uliginosum*) are no longer present within the inventory plots (Figure 17). The most frequent species are sheep laurel and common Labrador tea, which are only absent from station TR-2-A located directly on the edge of the creek. Leatherleaf is decreasing as it is present at 3 fewer stations than in the previous survey (Figure 17).

The most abundant species in this shrub swamp grouping is the same as in 2018, sheep laurel, which still experienced a decrease in relative cover of about 19% (Figure 18). The second most abundant species was the northern blueberry, which conversely experienced a marked relative increase of 160%. The other two blueberry species also had increases in abundance: velvet-leaved blueberry with 123% and early lowbush blueberry (*Vaccinium angustifolium*) with 100%.

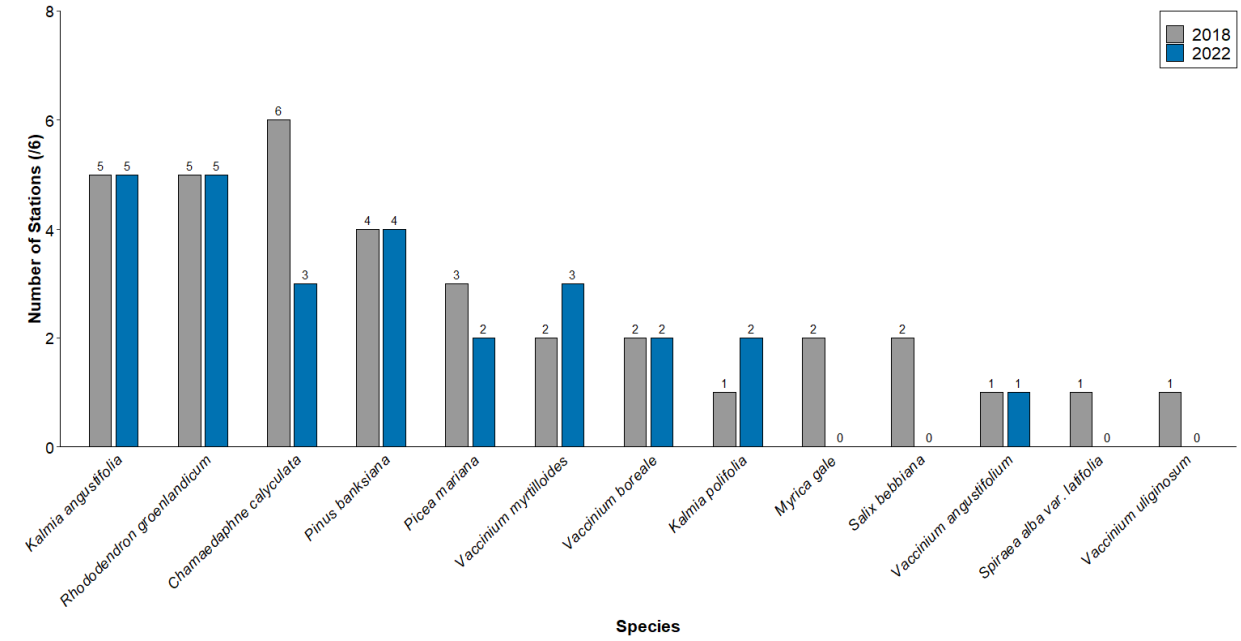


Figure 17. Shrub Swamp / Group 1- Shrub Stratum - Number of Stations where the Species is Present (/6) between 2018 and 2022

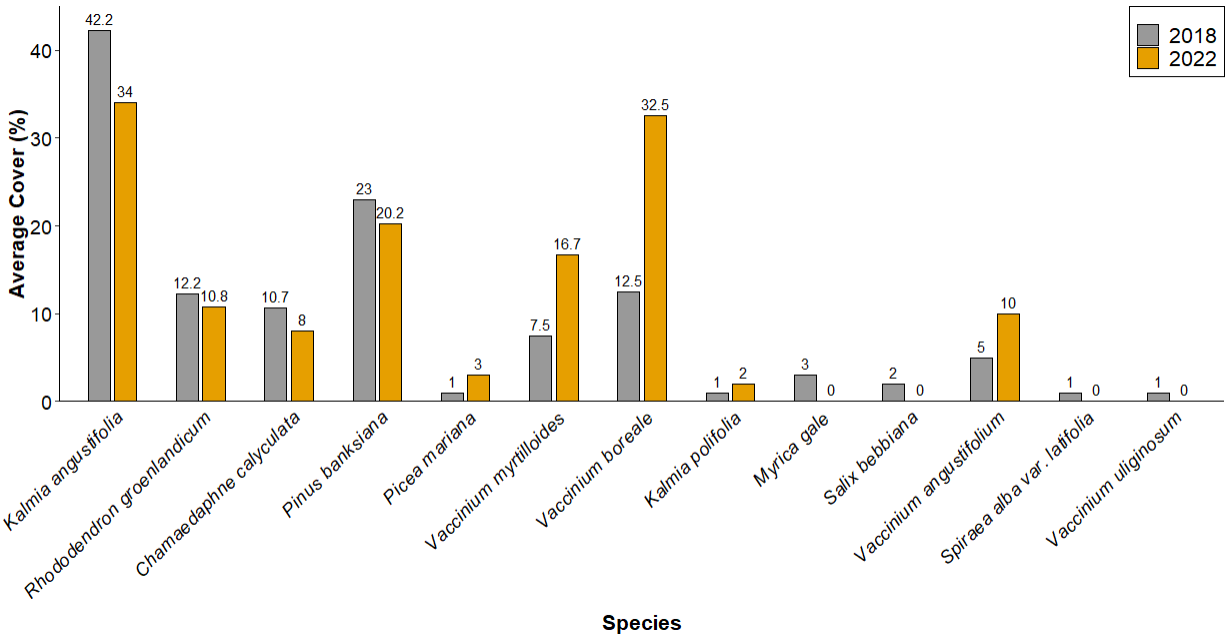


Figure 18. Shrub Swamp / Group 1- Shrub Stratum - Average Cover (%) by Species between 2018 and 2022.

The herbaceous layer is not very developed in this habitat, given the high abundance of shrubs. It presents a cover between 0 and 50% and an average of 9%. Eleven (11) species are recorded here, a net increase of one species compared to the 2018 inventory. Water sedge (*Carex aquatilis*), American cow-wheat (*Melampyrum lineare*), and a violet (*Viola sp.*) are now present, while water lobelia (*Lobelia dortmanna*) and horned bladderwort (*Utricularia cornuta*) were not observed in 2022. All of the identified species are present at a single station, which was also the case during the previous survey. Tufted clubrush (*Trichophorum cespitosum*) and American cow-wheat are only present at station S21 while all others are only present at station TR-2-A, directly on the edge of the creek. Moreover, this station is located in the littoral of the creek, at the bottom of the slope.

In terms of cover by species, black-girdled bulrush (*Scirpus atrocinctus*) is the most abundant at the station where it occurs. In fact, the species had a significant increase (400%) in cover between 2018 and 2022 (Figure 19). Water sedge is also abundant with a 15% cover in 2022. For other species, abundance is relatively similar to that noted in 2018.

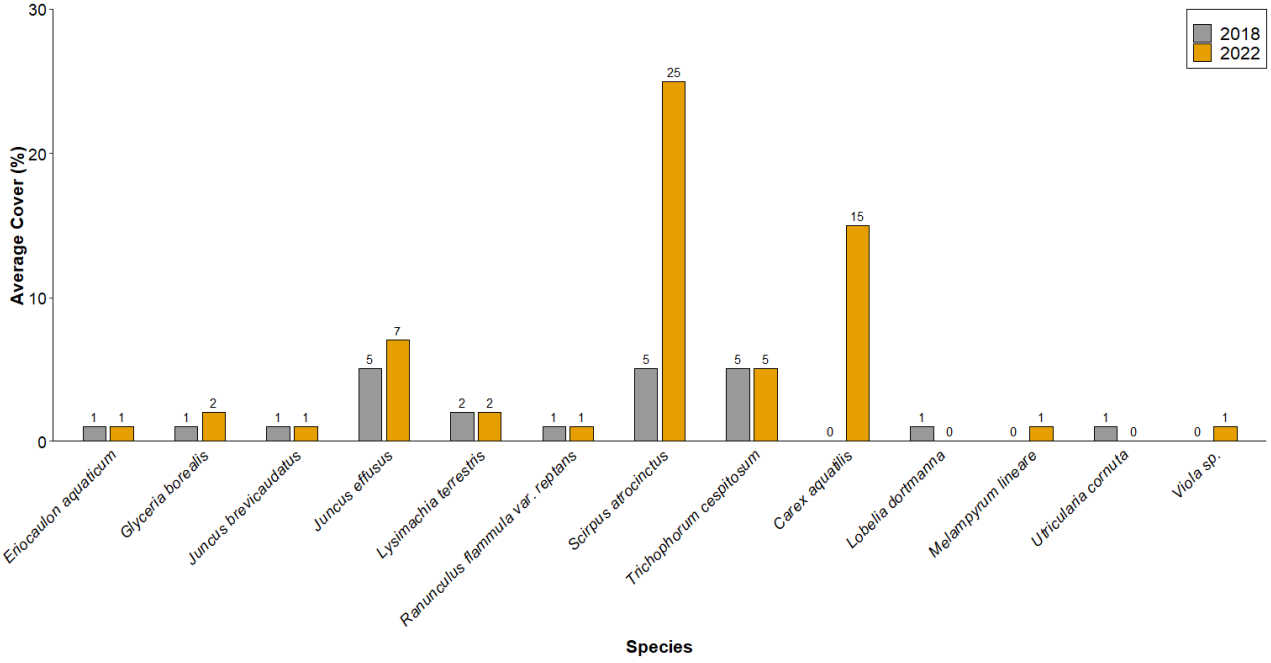


Figure 19. Shrub Swamp / Group 1- Herbaceous Stratum - Average Cover (%) by Species between 2018 and 2022.

The muscular stratum has an average cover of 37% and ranges from 0% to 85% depending on the station. Bryophytes are present at half of the stations in this shrub swamp group as found during the 2018 inventory (Figure 20). Some uncertainty remains regarding lichens. Indeed, 2 unidentified lichen species (*Lichen sp*. and *Cladonia sp*.) were observed while 2 species identified in 2018 (*Cladonia cf. deformis* and *Cladonia cf. crispata*) may not have been recognized or are now absent from the stations conducted. Other than the British soldier (*Cladonia cristatella*), which is present at one less station, the species listed are generally more common in 2022, at one more station (Figure 20). The majority of lichen species observed are present at stations S11 and S21, while stations on transect TR-2 are primarily bryophytes.

In Figure 21, we see that unidentified bryophytes show an average cover of 34% in 2022, which represents an increase of about 37% from 2018. All identified species are more abundant in 2022, with the exception of the British soldier, which has experienced a decrease in abundance (Figure 21).

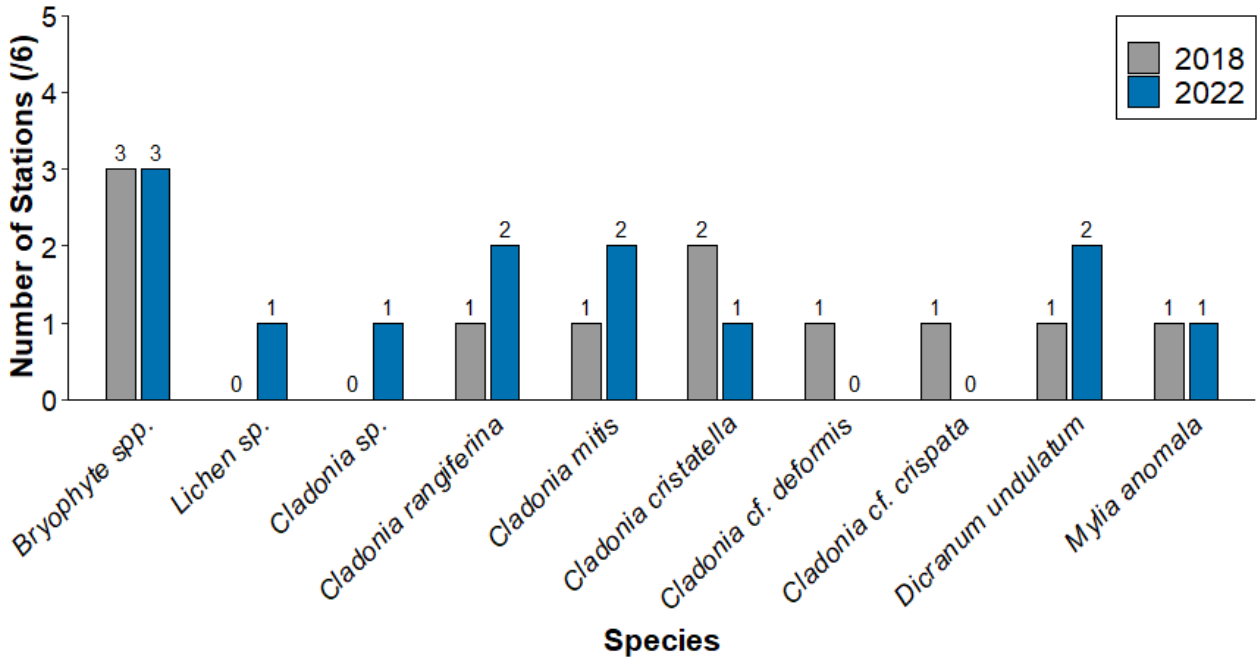


Figure 20. Shrub Swamp / Group 1- Moss Stratum - Number of Stations where the Species is Present (/6) between 2018 and 2022

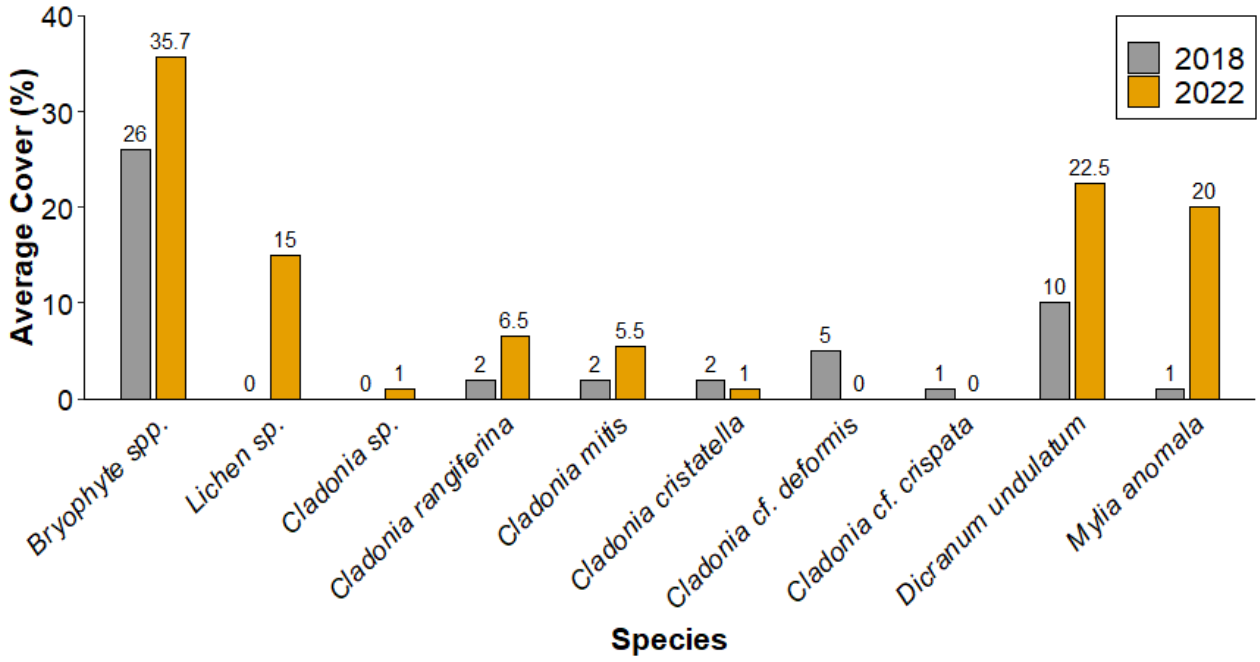


Figure 21. Shrub Swamp / Group 1- Moss Stratum - Average Cover (%) by Species between 2018 and 2022.

As with the other habitats described, the importance of the bryophyte group led to identification to species. Thus, five species were identified in the stations of this group in the shrub swamp in the summer of 2022 (Figure 22). These include five species of mosses, four of which are peat mosses (see *Sphagnum sp.*) and one polytric, the juniper haircap moss.

Bryophytes are not very present in this habitat. Indeed, almost all species are found in 2 or less of the 6 stations (Figure 22). Small red peat moss (*Sphagnum capillifolium*) is the most abundant, but it is found only in the stations that are not in the creek transect, i.e. S11 and S21. Lesquereux's peat moss (*Sphagnum lescurii*) and Magellan's peat moss (*Sphagnum magellanicum*) are also abundant, this time in the transect stations.

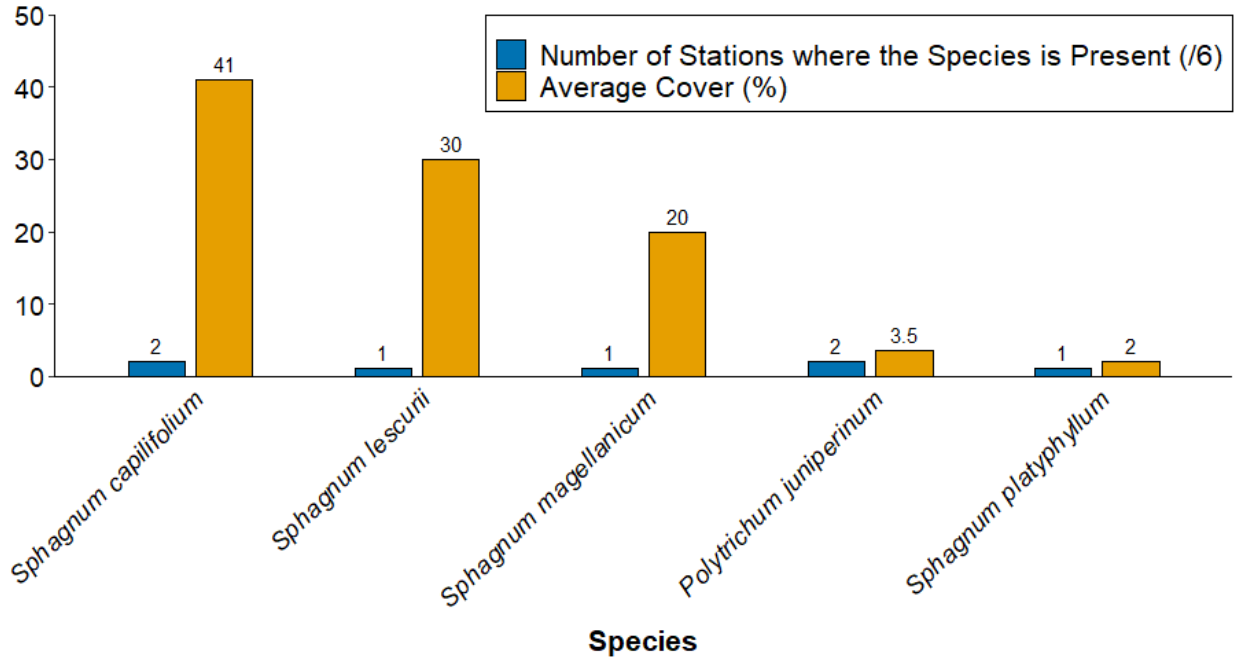


Figure 22. Shrub Swamp / Group 1- Moss Stratum - Number of Stations where the Species Occurs (/6) and Average Cover (%) by Bryophyte Species Identified to the Species in 2022

3.2.4.2 Shrub Swamp – Group 2

This clustering of the shrub swamp corresponds to station S12, located on the edge of Spodumene Lake, and all of the stations in Transect 3. A total of 44 species were identified during the 2022 survey.

The tree layer is also absent there during the 2022 inventory. This is relatively similar to the observations of the inventory conducted in 2018. In fact, only 1-2% of black spruce and tamarack were noted. Moreover, these species were observed nearby, but outside the inventory plots.

The herbaceous stratum has a cover ranging from 45 to 95% depending on the station, for an average of 72%. Ten (10) species were recorded during the 2022 inventory, which represents 6 fewer species than during the previous inventory. Of these 6 species absent from the 2022 inventory, some, including Bartram's serviceberry (*Amelanchier cf. bartramiana*), were seen near the inventory plots, confirming their presence in the environment. Speckled alder (*Alnus incana subsp. rugosa*) and sweet gale are present at all sites in this environment, making them the most common species (Figure 23). Leatherleaf and pale bog laurel are present at one additional station since the 2018 inventory while bog birch (*Betula pumila*) is, conversely, present at one fewer station (Figure 23).

As shown in Figure 24, balsam fir is the most abundant species in this environment with an average cover of 40%, which is an increase of 119% from the previous survey. The majority of species surveyed experienced decreases in abundance between 2018 and 2022. This decrease is notable for the leatherleaf, with a relative decrease of about 45%, and the common Labrador tea, with a relative decrease of about 38% (Figure 24).

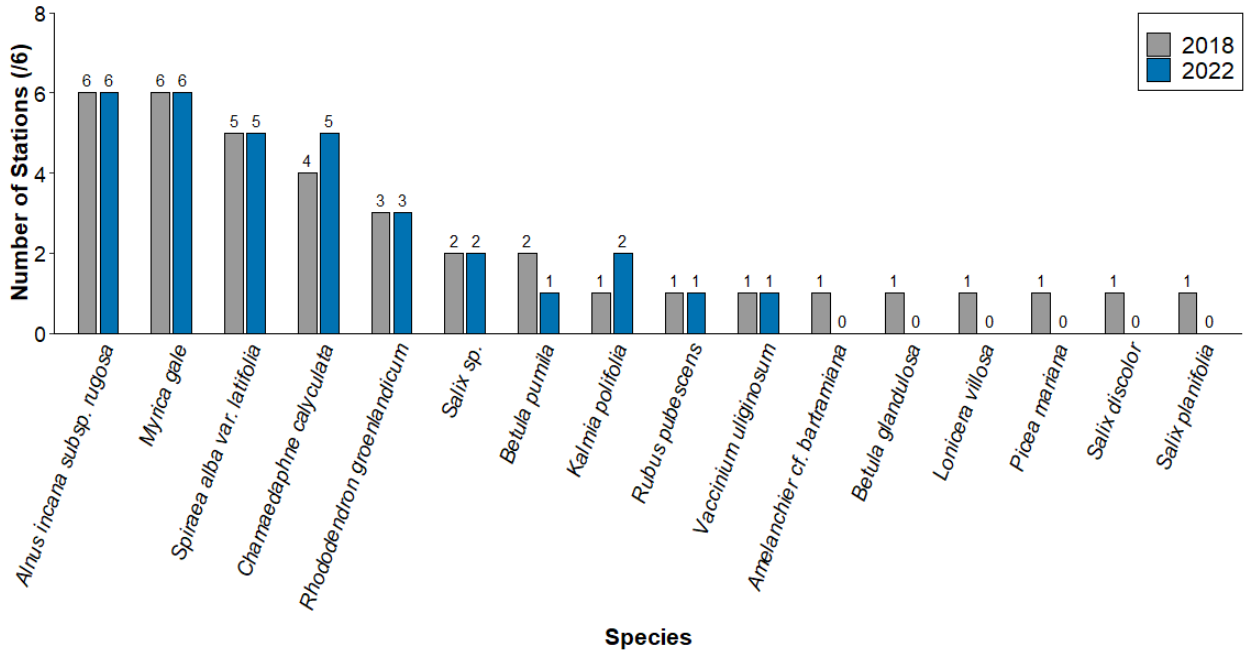


Figure 23. Shrub Swamp / Group 2- Shrub Stratum - Number of Stations where the Species is Present (/6) between 2018 and 2022

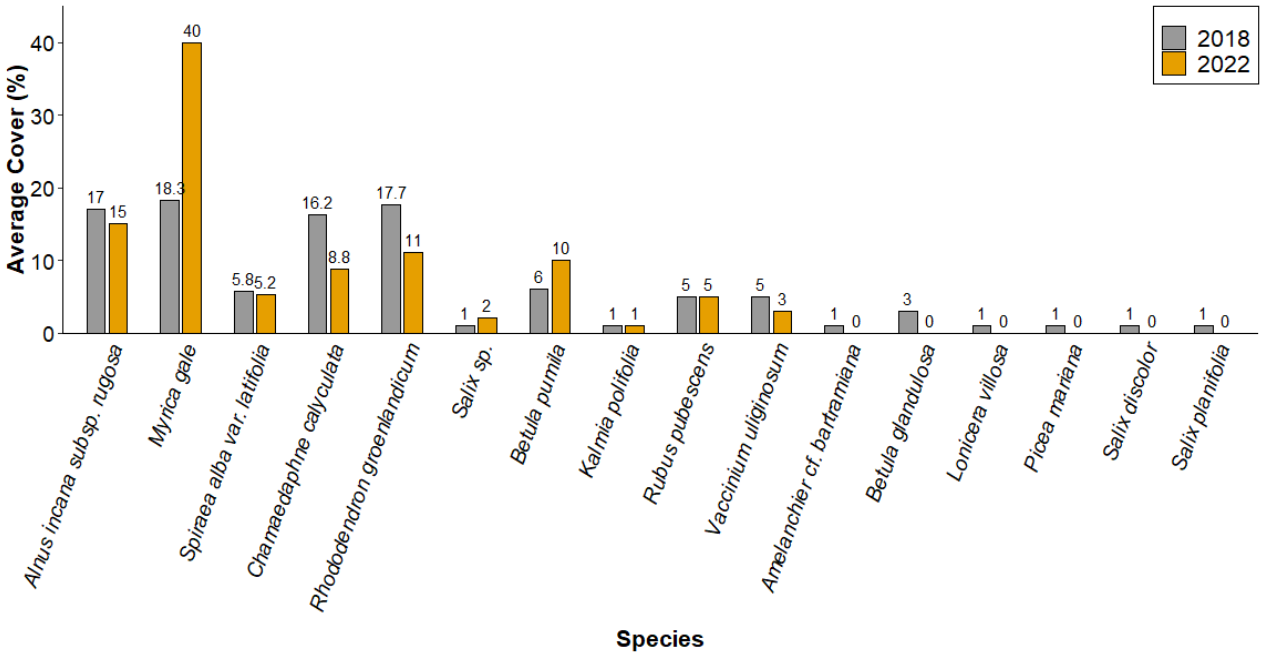


Figure 24. Shrub Swamp / Group 2- Shrub Stratum - Average Cover (%) by Species from 2018 to 2022

For the herbaceous stratum, cover varies from 15% to 70% between stations, averaging 33%. There are 21 herbaceous species in this habitat, which is 3 species more than the number observed in the 2018 inventory. Three-seeded sedge is the most frequently encountered species with a presence at 4 of the 6 inventory stations; this is one more station than in 2018 (Figure 25). The next three most frequent species are tall meadow-rue (*Thalictrum pubescens*), wild lily-of-the-valley (*Maianthemum canadense*) and few-seeded sedge (*Carex oligosperma*). These last two are present in, respectively, 1 and 2 more stations since the last inventory. Apart from three-leaved false Solomon's seal, which is present at one less station, the other species show identical frequencies to those noted in 2018 (Figure 25).

In terms of cover by species, three-seeded sedge is the most abundant in this environment (Figure 26). It also shows a relative increase of about 54% in its average cover. It is also possible to observe marked declines in abundance of certain species. Indeed, the bluejoint reedgrass (*Calamagrostis canadensis*), the inflated sedge (*Carex vesicaria*) and the Canada mannagrass (*Glyceria canadensis*) show relative decreases in cover with 64%, 94% and 90% respectively (Figure 26).

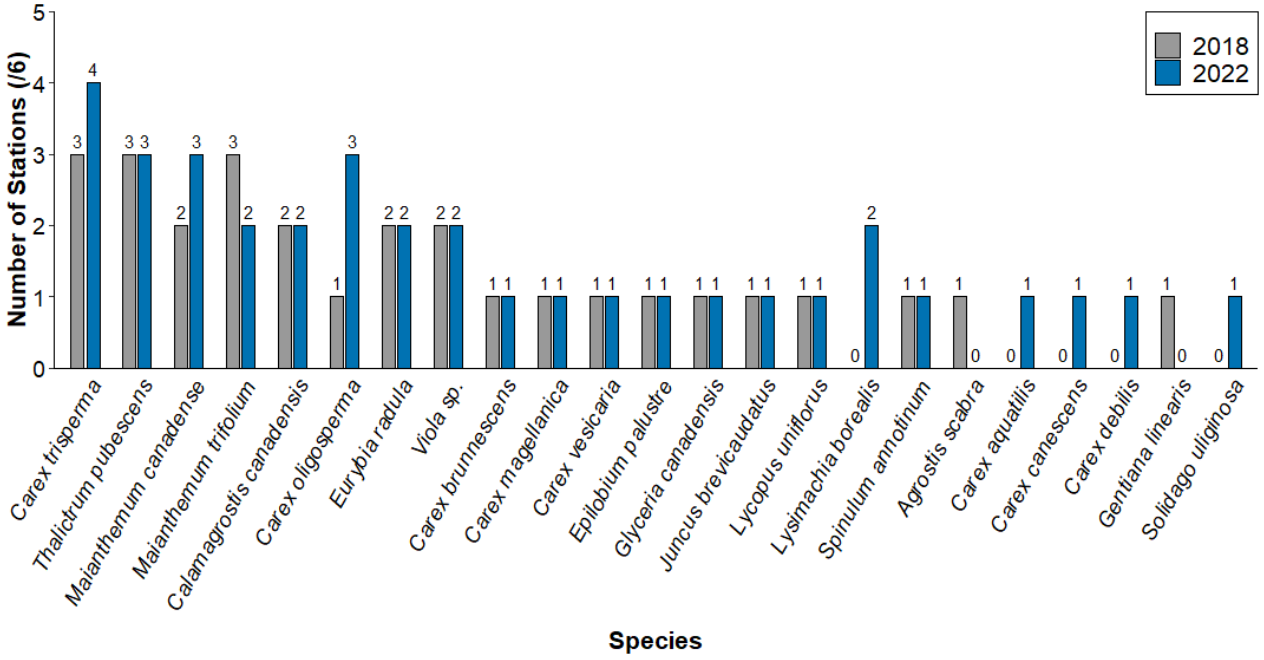


Figure 25. Shrub swamp / Group 2- Herbaceous Stratum - Number of Stations where the Species is Present (/6) between 2018 and 2022

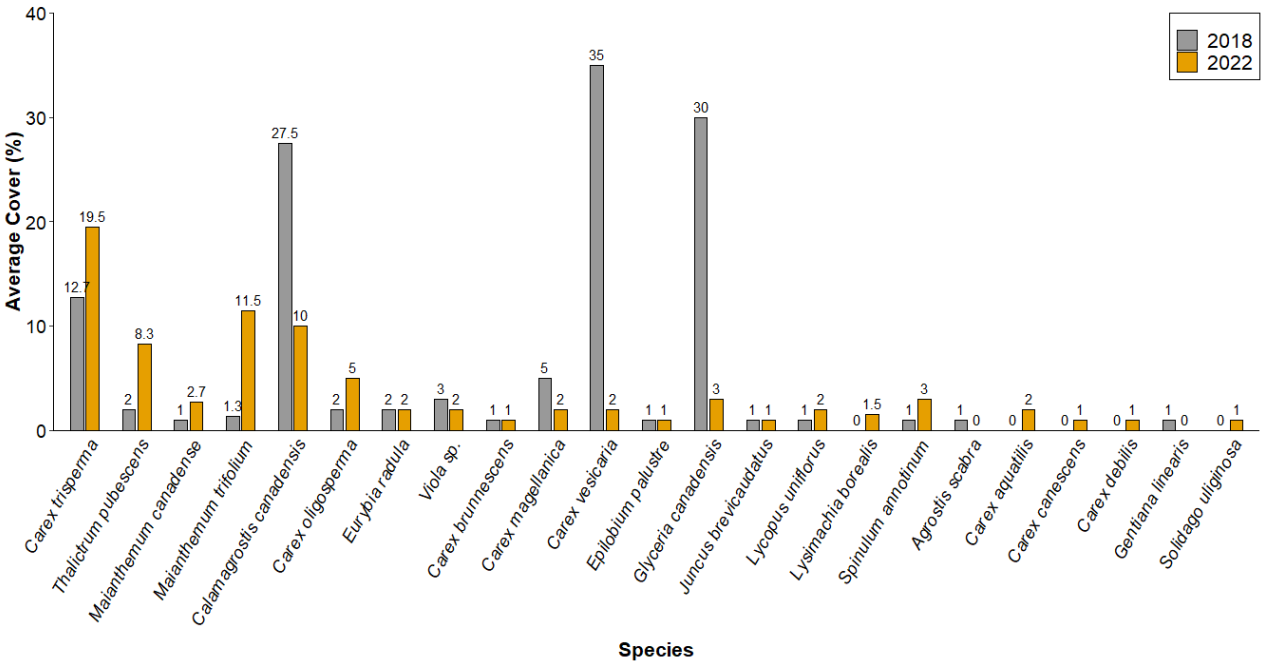


Figure 26. Shrub Swamp / Group 2- Herbaceous Stratum - Average Cover (%) by Species between 2018 and 2022.

The moss stratum is highly variable, with cover ranging from 0-100% depending on the station and an average of 43% in the 2022 inventory. Bryophytes are present at 3 of the 6 stations in this shrub swamp grouping, the same number of stations as in 2018 (Figure 27 A). They show an average cover of 87%, which is a decrease of about 13% from the previous inventory (Figure 27 B).

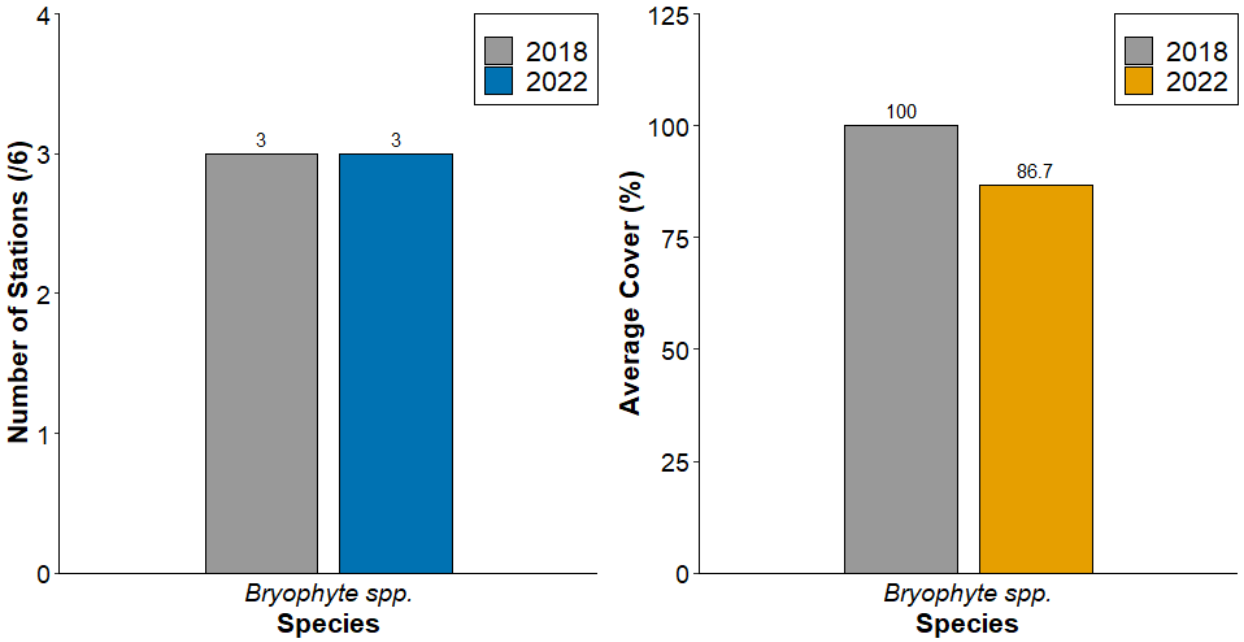


Figure 27. Shrub Swamp / Group 2- Moss Stratum - A) Number of Stations where the Species is Present (/6) and B) Average Recovery (%) by Species between 2018 and 2022

The identification of species of bryophytes has allowed to list a total of 13 species in this environment. These include 10 species of mosses, including 6 peat mosses (see *Sphagnum sp.*), and 3 liverworts, namely droplet notchwort (*Lophozia guttulata*), bog notchwort, and common pellia (*Pellia epiphylla*).

Bryophytes are not very present in this habitat. Indeed, almost all species are recorded in 3 or less of the 6 stations (Figure 28). Narrow-leaved peat moss is the most abundant species, but it is only present at station TR-3-E, at the end of the transect. Russow's peat moss is also abundant in addition to being among the two most frequent species, as it is observed at 3 stations (Figure 28).

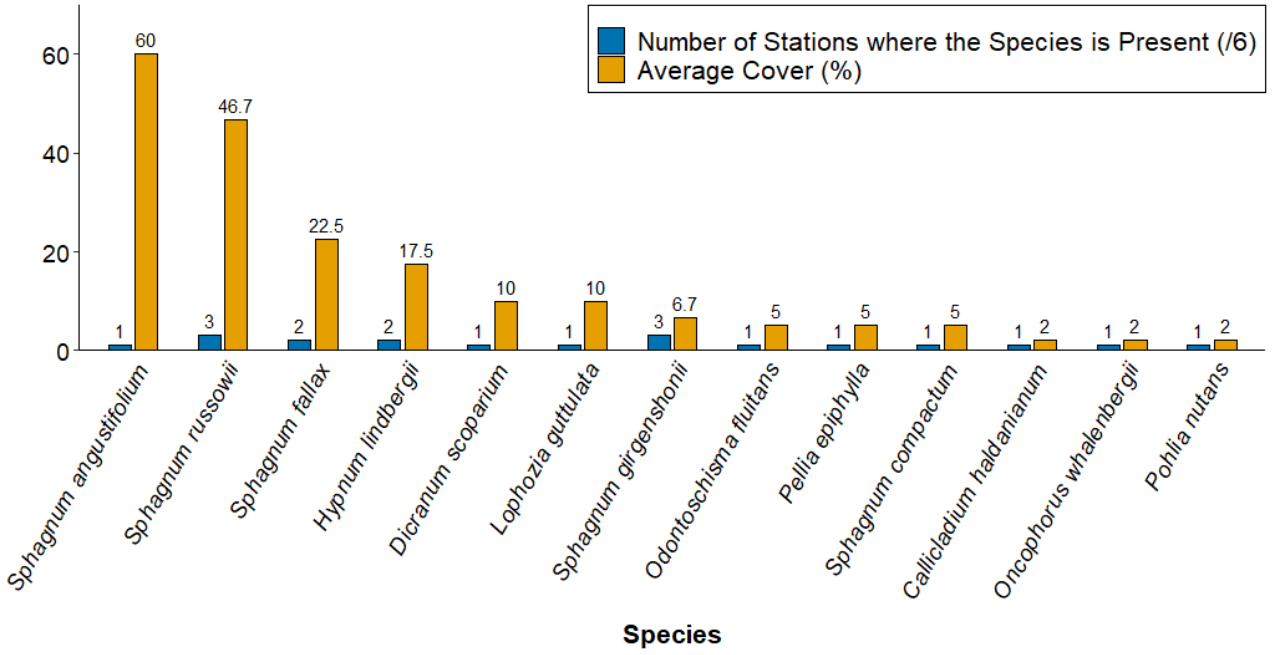


Figure 28. Shrub Swamp / Group 2- Moss Stratum - Number of Stations where the Species Occurs (/6) and Average Cover (%) by Bryophyte Species Identified with the Species in 2022

3.2.4.3 Shrub Swamp – Group 3

This shrub swamp cluster corresponds to all of the stations in Transect 1. A total of 22 species were identified here during the 2022 survey.

Similar to what was observed in 2018, the tree layer is absent in 2022 in this shrub swamp grouping.

The cover of the shrub layer varies between 5 and 40% depending on the site, with an average of 18%. The plot located on the edge of the creek, TR-1-A, has the highest cover of this stratum. As can be seen in Figure 29, 6 species were recorded in this environment, compared to 9 during the previous survey. Note, however, that of the 3 species absent in 2022, broad-leaved meadowsweet and speckled alder were seen nearby, but outside the plot. Bog rosemary and sweet gale were the most frequent species as they were found at each of the 4 stations, which had also been observed in 2018. Other than leatherleaf, which is present at one less station than in 2018, the other species show similar frequencies between the two inventory periods (Figure 29).

Sweet gale is, as in the 2018 inventory, the most abundant species with 11% cover, although this represents a relative decrease of about 36% from the last record (Figure 30). Sheep laurel showed a notable increase at the station where it was present, being three times more abundant. Conversely, bog rosemary and leatherleaf show a decrease of about 67% and 40% respectively between 2018 and 2022 (Figure 30).

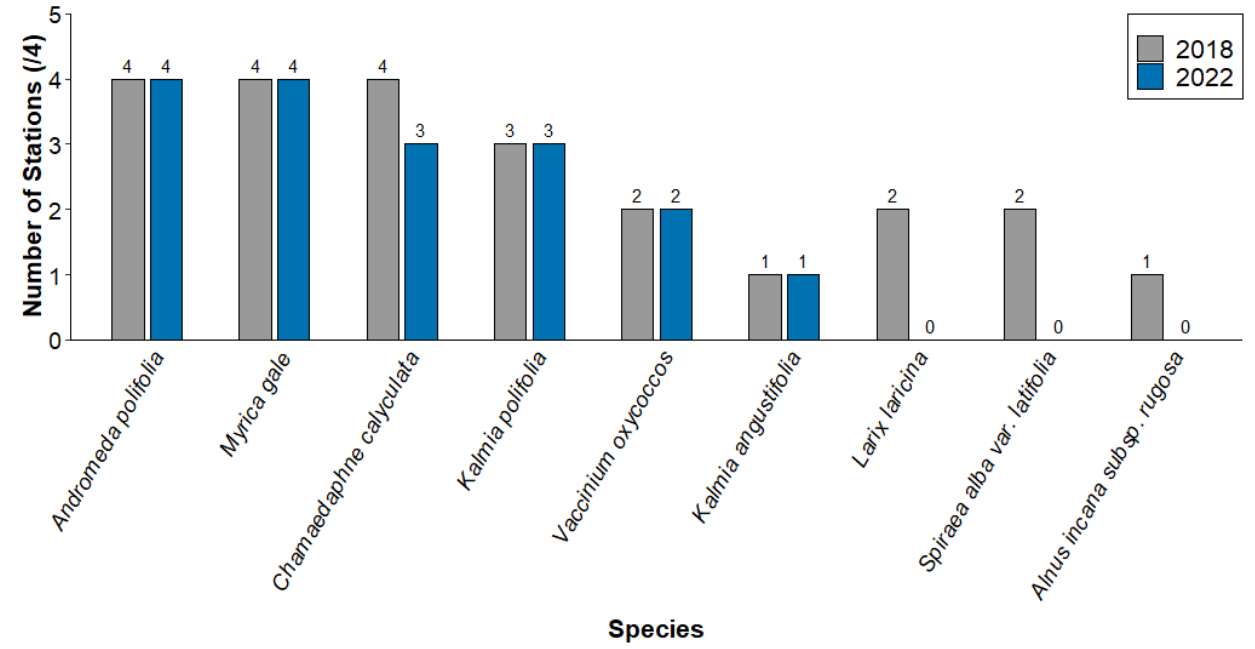


Figure 29. Shrub Swamp / Group 3- Shrub Stratum - Number of Stations where the Species is Present (/4) between 2018 and 2022

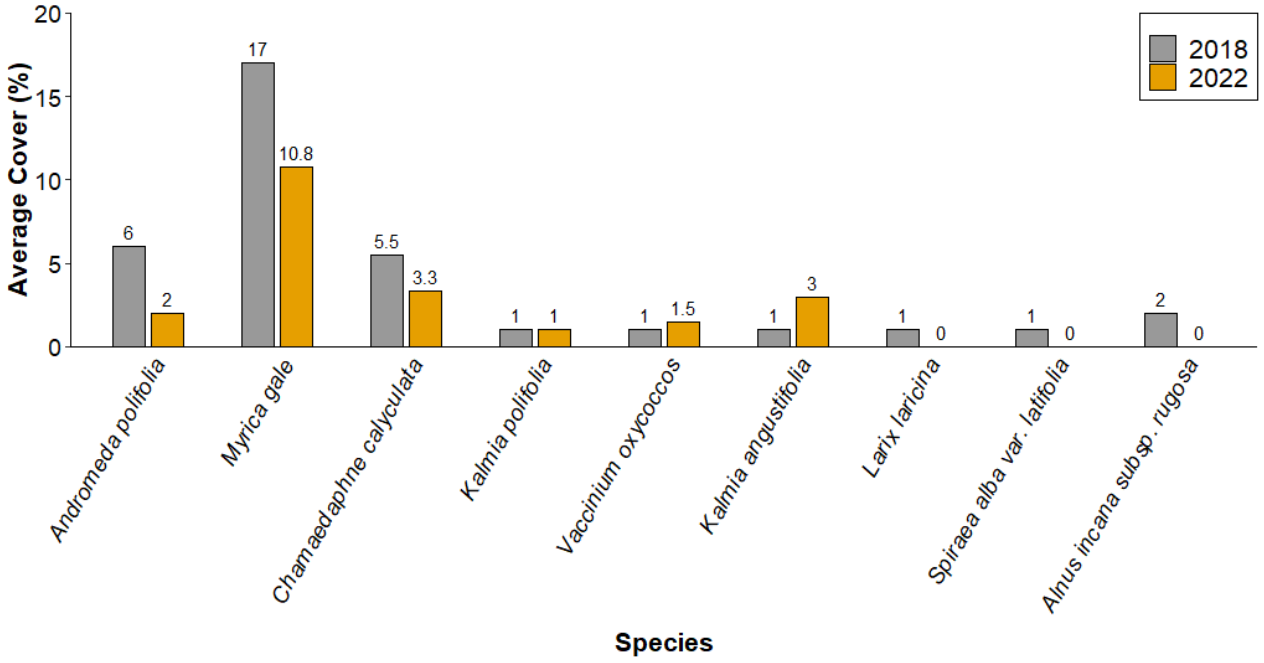


Figure 30. Shrub Swamp / Group 3- Shrub Stratum - Average Cover (%) by Species between 2018 and 2022

The herbaceous stratum has an average cover of 22% and varies from 1 to 45% between stations. Nine (9) species were observed in 2022, including 6 at station TR-1-A along the creek. Star sedge (*Carex echinata*) and round-leaved sundew were newly sighted at these stations while three species were not seen again since the last survey, bringing the total to one additional species observed in this environment since 2018. The most frequent species was few-seeded sedge which was present at all stations in the transect, an increase of one station compared to 2018 (Figure 31).

In terms of species cover, Michaux's sedge (*Carex michauxiana*) and few-seeded sedge are the most abundant despite a relative decrease in abundance of about 50 and 39 percent, respectively, between 2018 and 2022 (Figure 32).

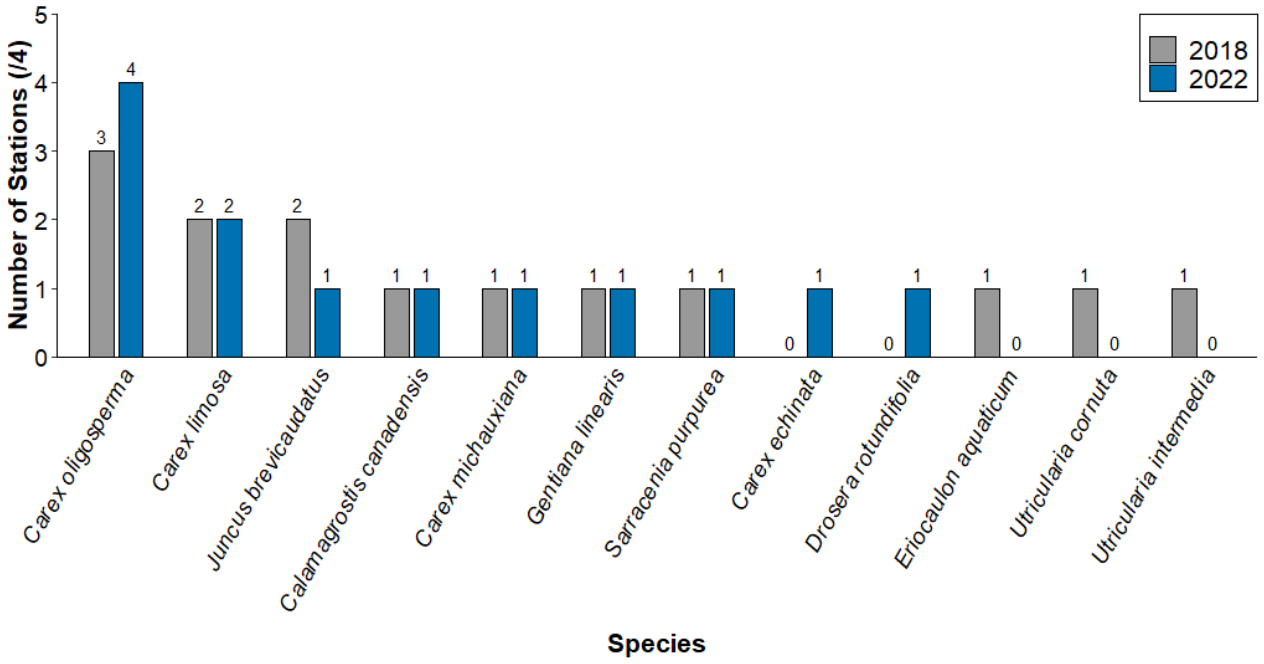


Figure 31. Shrub Swamp / Group 3- Herbaceous Stratum - Number of Stations where the Species is Present (/4) between 2018 and 2022

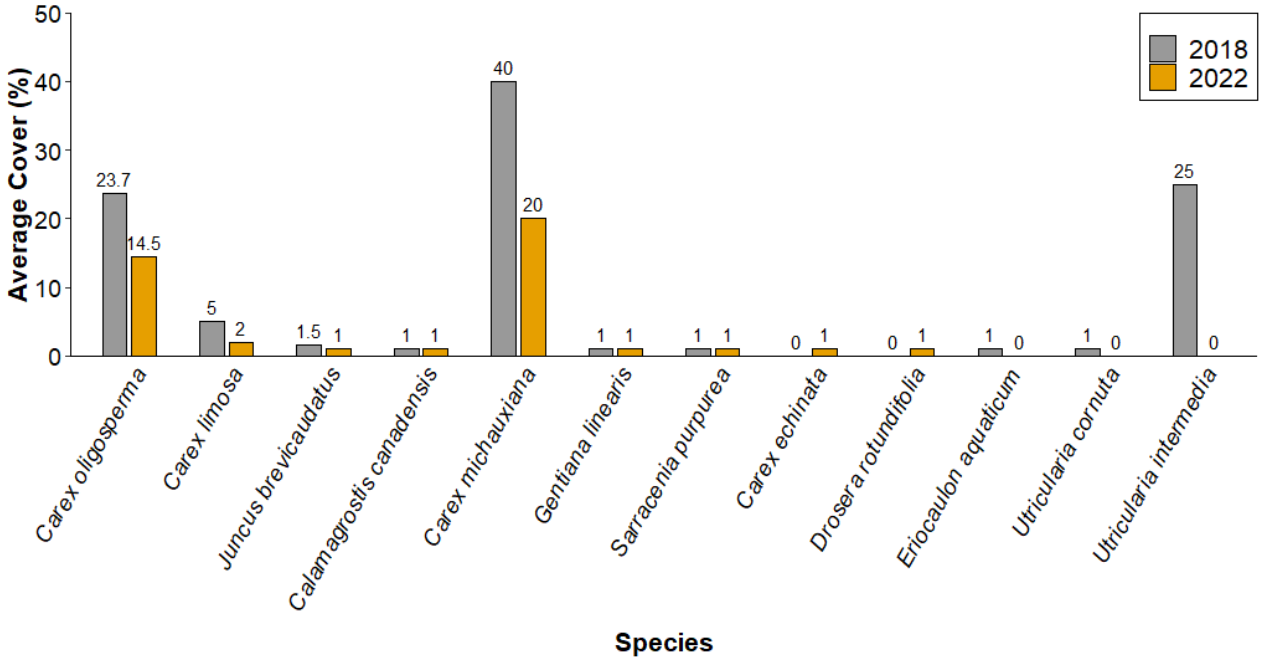


Figure 32. Shrub Swamp / Group 3- Herbaceous Stratum - Average Cover (%) by Species between 2018 and 2022

The moss stratum of this group shows an average cover of 61%, ranging from 5 to 100% depending on the station. The cover of this stratum is much more developed at the stations furthest from the edge of the creek. This is probably due to the effective drainage associated with the creek bank, making the soil drier locally and therefore less suitable for bryophytes. Thus, further away from the creek bank, the effect of drainage is no longer felt and bryophytes have suitable conditions to grow.

Bryophytes are present at all stations (Figure 33 A) and average 81% cover in 2022, which is a slight decrease of about 3% compared to the 2018 inventory (Figure 33 B).

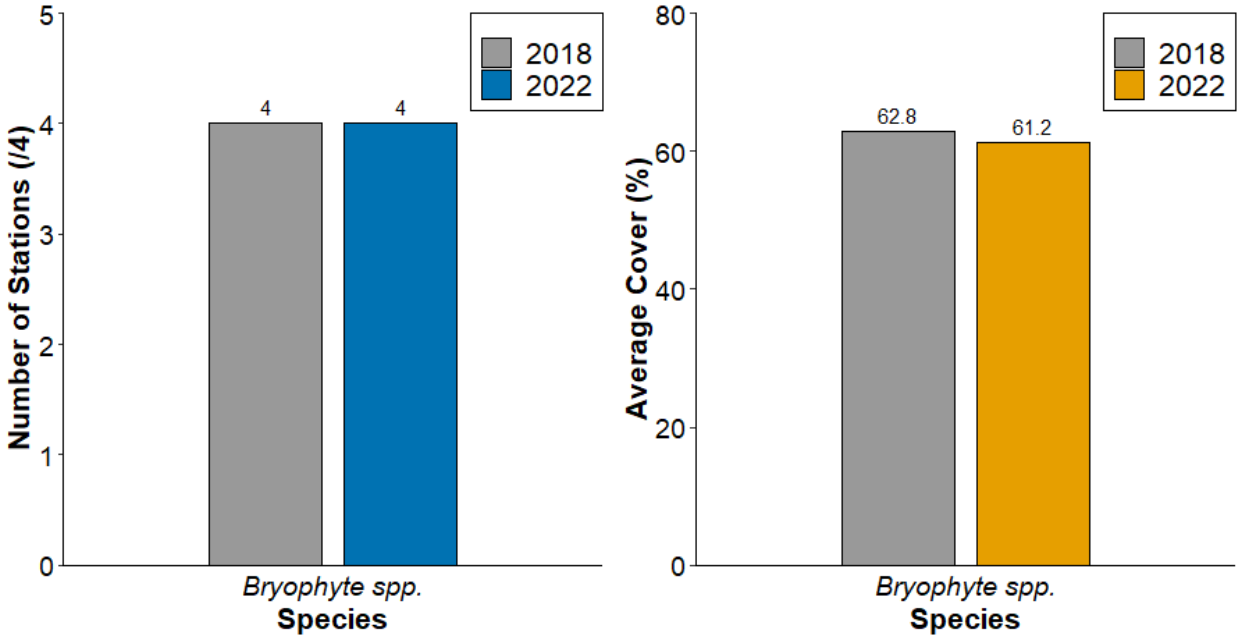


Figure 33. Shrub Swamp / Group 3- Moss Stratum - A) Number of Stations where the Species is Present (/4) and B) Average Recovery (%) by Species between 2018 and 2022

Identification to species of bryophytes revealed the presence of 7 species of mosses, including 6 peat mosses (see *Sphagnum sp.*). Beautiful peat moss (*Sphagnum pulchrum*), papillose peat moss (*Sphagnum papillosum*), and flat-top peat moss (*Sphagnum fallax*) are the most frequent with presence at half of the stations (Figure 34). These three species, and greater peat moss (*Sphagnum majus*), are also the most abundant species with percent cover of over 20% (Figure 34).

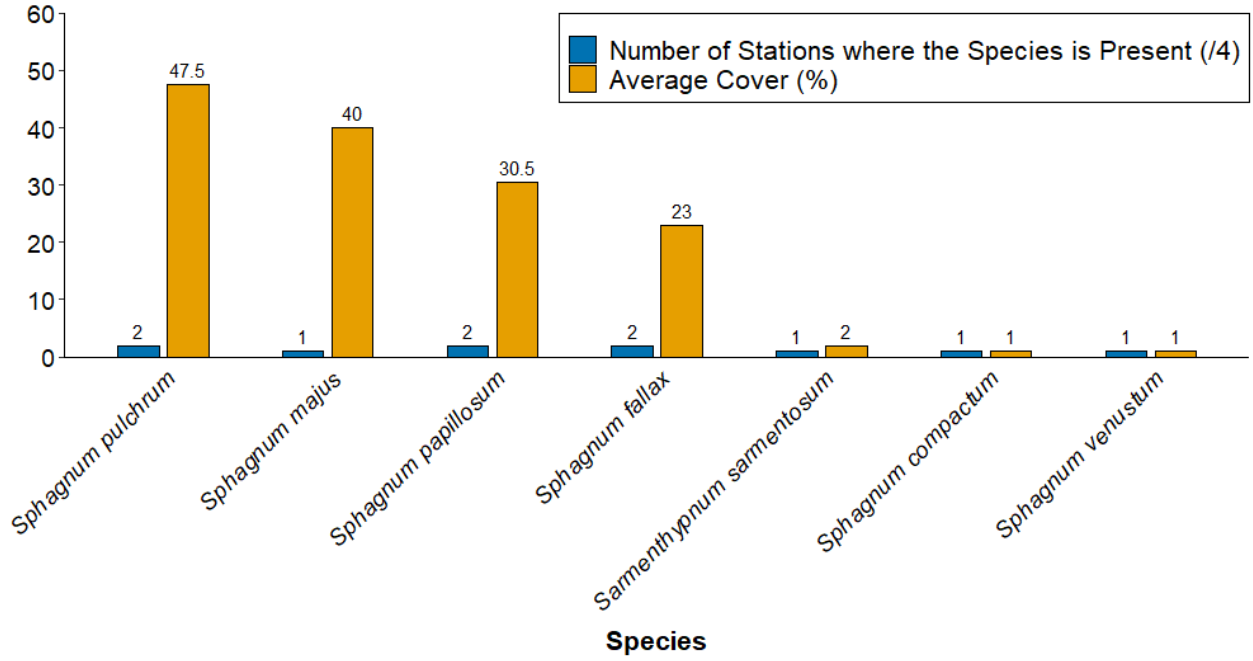


Figure 34. Shrub Swamp / Group 3 - Moss Stratum - Number of Stations Where the Species Occurs (/4) and Average Cover (%) by Bryophyte Species Identified with the Species in 2022

3.2.5 Station Comparison

A visual analysis of species cover values was done for each of the inventory stations. Notable changes were further analyzed to determine if multiple species at a station were changed and if multiple strata were affected as well.

Since no other variables besides vegetation are recorded at the stations, analyses of these changes will be interpreted solely in terms of their habitat grouping. Table 7 provides information on these notable changes in species composition and/or cover by station. Note that for the sake of brevity, only the common name is used. Refer to Table 5 for the corresponding Latin names. Stations associated with ombrotrophic peatlands (bog) show mainly decreases in cover of leatherleaf. At the minerotrophic peatland (fen) stations, no clear trend is observed. For the stations associated with the shrub swamp, we note that they host the most species present at a single station. There were also marked increases in the abundance of sweet gale, a species particularly associated with creek edges. There is also a large fluctuation in species composition between years, both in terms of species presence/absence and species cover.

We note that 32 species were observed at only one of the 34 inventory stations, the same as during the previous inventory (Table 7). The leatherleaf is the most frequent species in the inventoried stations since it is found at 33 stations, being only absent from station TR-3-B. Seven (7) other species are present at least at half of the stations. These are black spruce, pale bog laurel, sheep laurel, small cranberry, bog rosemary, common Labrador tea and round-leaved sundew.

In terms of cover, peat mosses dominate, covering 61% of all inventory plots in 2022. Brown peat moss, also among the most common in Quebec, is the most abundant, covering a total of 17% of all stations.

Table 7. Stations with Notable Changes in Species Composition and/or Cover

Station	Habitat	Change
S1	Fen	100% increase of English sundew
S2	Bog	200% increase in cloudberry and 92% decrease in Leatherleaf
S3	Bog	300% increase of cloudberry
S4	Bog	Unique presence of bog haircap moss (new identification). 1 400% increase in pale bog laurel
S5	Bog	90% decrease of few-seeded sedge
S6	Bog	Cloudberry down 87% and leatherleaf down 83%. 900% increase in tamarack and 200% increase in common Labrador tea
S7	Bog	Unique presence of star-tipped reindeer lichen (new identification). 150% increase in cloudberry
S9	Bog	Unique presence of northern comandra
S11	Shrub swamp G1	800% increase in northern blueberry
S12	Shrub swamp G2	Unique presence of brownish sedge, bog goldenrod and hoary sedge, common pellia, common broom moss and droplet notchwort (new identifications). 71% decrease in bluejoint reedgrass and 67% decrease in common Labrador tea. Tall meadow-rue up 400%, speckled alder up 100% and sweet gale up 66%
S13	Bog	Unique presence of red peat moss (new identification). Leatherleaf down 67%. 900% increase in sheep laurel and 567% increase in cloudberry
S15	Bog	Unique presence of bristly fingerwort (new identification). 94% decrease in leatherleaf
S16	Bog	67% decrease in leatherleaf
S18	Fen	300% increase in white beakrush
S19	Bog	Unique presence of baltic peat moss (new identification). 90% decrease in leatherleaf
S20	Fen	75% decrease in bog rosemary
S21	Shrub swamp G1	Unique presence of early lowbush blueberry and American cow-wheat (new identifications). 50% decrease in sheep laurel. 1 900% increase in anomalous flapwort
TR-1-A	Shrub swamp G3	Unique presence of charming peat moss, twiggy spoon moss (new identifications) and Michaux's sedge which shows a 50% decrease
TR-1-C	Shrub swamp G3	70% decrease bog rosemary
TR-1-D	Shrub swamp G3	80% decrease in bog rosemary and 60% decrease in few-seeded sedge
TR-2-A	Shrub swamp G1	Unique presence of narrow-leaved creeping spearwort, swamp yellow loosestrife, soft rush, Lesquereux's peat moss (new identification), flat-leaved peat moss (new identification) and black-girdled bulrush showing a 400% increase.

Station	Habitat	Change
TR-2-B	Shrub swamp G1	200% increase in velvet-leaved blueberry
TR-2-C	Shrub swamp G1	93% decrease in leatherleaf. 100% increase in common Labrador tea
TR-2-D	Shrub swamp G1	70% decrease in common Labrador tea
TR-3-A	Shrub swamp G2	Unique presence of dwarf raspberry and white-edge sedge, beautiful branch moss, common nodding miss and Wahlenberg's spur moss (new identifications). 50% decrease in bluejoint reedgrass. 66% increase in sweet gale
TR-3-B	Shrub swamp G2	Unique presence of Canada mannagrass showing a 90% decrease in inflated sedge showing a 94% decrease. 300% increase in sweet gale
TR-3-C	Shrub swamp G2	Unique presence of marsh willowherb. 900% increase in three-leaved false Solomon's seal
TR-3-D	Shrub swamp G2	200% increase in sweet gale and 100% increase in speckled alder
TR-3-E	Shrub swamp G2	Unique presence of stiff clubmoss. 300% increase in sweet gale and 160% increase in three-seeded sedge

3.2.6 Indicator Species

The indicator species analysis was used to determine which plant species were most representative of each habitat grouping. Detailed data from the analysis are available in Appendix 4.

Table 8 presents the indicator species identified for each habitat grouping. Thus, 21 species are significantly associated with at least one habitat. Most of the species identified are only present in the habitat where they are indicative, but are not necessarily present at all stations in that habitat. The presence of this species should indicate the habitat to which the station belongs, as this analysis includes an element of species presence specificity. Thus, it is possible to outline the abiotic conditions of this area.

These results are not surprising, as the species selected by the analysis are generally representative of the type of habitat in which they occur and are therefore not specific to the study site.

Table 8. Indicator Species Identified by Habitat

Habitat	Number of indicator species	Indicator species
Ombrotrophic peatland	3	Brown peat moss* Cloudberry* Few-flowered sedge
Minerotrophic peatland (poor)	8	White beakrush Greater peat moss Bog buckbean* English sundew Spoon-leaved sundew Bog notchwort Meagre sedge Marsh scheuchzeria
Shrub Swamp - Group 1 (More of a forest type habitat)	2	Jack pine Velvet-leaved blueberry
Shrub Swamp - Group 2 (Typical Riparian Swamp)	7	Speckled alder Broad-leaved meadowsweet Three-leaved sedge Tall meadow-rue Wild lily-of-the-valley Girgensohn sphagnum Russow's peat moss
Shrub Swamp - Group 3 (Fen with outcropping water table)	1	Beautiful peat moss

* Species considered representative of the environment according to Payette and Rochefort (2001)

3.3 Avifauna

3.3.1 Daytime Listening Stations

The daytime avifauna inventory was conducted on July 5 and 6, 2022, during the peak of the nesting season. A floristic inventory was also conducted on July 23 and 24, 2022, just after the nesting period. These two inventories detected a total of 34 bird species in the study area (Table 9), with two of these species added during the botanical team's visit to the study area: sharp-tailed grouse (*Tympanuchus phasianellus*) and spruce grouse (*Canachites canadensis*). The raw data for these inventories are attached in Appendix 5. It should be noted that among all of these species, six (6) were found outside of the study area, but near it. These are the red-tailed hawk (*Buteo jamaicensis*), the song sparrow (*Melospiza melodia*), the sandhill crane (*Antigone canadensis*), the belted kingfisher (*Megaceryle alcyon*), the common loon (*Gavia immer*) and the purple finch (*Haemorhous purpureus*). They were therefore noted in the raw data, but were not retained from the calculation of pair-equivalent abundance in Table 10.

Among the species observed, two (2) are associated with aquatic environments. These species are: belted kingfisher and common loon.

With respect to birds of prey, we should mention the observations of the American kestrel (*Falco sparverius*) and the red-tailed hawk.

Table 9. Diurnal Bird Species Recorded in the Study Area in 2022 and Corresponding Nesting Index

Specie		Nesting index	Specie		Nesting index
Common name	Latin name		Common name	Latin name	
Red crossbill	*Loxia curvirostra*	Possible	American robin	*Turdus migratorius*	Possible
White-throated sparrow	*Zonotrichia albicollis*	**Confirmed**	Canada jay	*Perisoreus canadensis*	Possible
Song sparrow	*Melospiza melodia*	Possible	Alder flycatcher	*Empidonax alnorum*	Probable
Lincoln's sparrow	*Melospiza lincolnii*	**Confirmed**	Wilson's warbler	*Cardellina pusilla*	Possible
Swamp sparrow	*Melospiza georgiana*	Possible	Palm warbler	*Setophaga palmarum*	**Confirmed**
Savannah sparrow	*Passerculus sandwichensis*	**Confirmed**	Chestnut-sided warbler	*Setophaga pensylvanica*	Possible
Fox sparrow	*Passerella iliaca*	Possible	Magnolia warbler	*Setophaga magnolia*	Possible
Red-tailed hawk	*Buteo jamaicensis*	Possible	American yellow warber	*Setophaga petechia*	Possible
American kestrel	*Falco sparverius*	Possible	Common yellowthroat	*Geothlypis trichas*	Probable

Specie		Nesting index	Specie		Nesting index
Common name	Latin name		Common name	Latin name	
Greater yellowlegs	*Tringa melanoleuca*	Probable	Orange-crowned warbler	*Leiothlypis celata*	Possible
Common raven	*Corvus corax*	Probable	Northern flicker	*Colaptes auratus*	Observed
Hermit thrush	*Catharus guttatus*	Possible	Common loon	*Gavia immer*	Observed
Sandhill crane	*Antigone canadensis*	Observed	Ruby-crowned kinglet	*Corthylio calendula*	Probable
Tree swallow	*Tachycineta bicolor*	Observed	Purple finch	*Haemorhous purpureus*	Observed
Cedar waxwing	*Bombycilla cedrorum*	Possible	Sharp-tailed grouse[1]	*Tympanuchus phasianellus*	Possible
Dark-eyed junco	*Junco hyemalis*	Probable	Spruce grouse[1]	*Canachites canadensis*	**Confirmed**
Belted kingfisher	*Megaceryle alcyon*	Observed	Philadelphia vireo	*Vireo philadelphicus*	Possible

1 Species identified during the floristic inventory conducted on July 23 and 24, 2022

Table 10. Relative Abundance of Diurnal Avian Species Recorded in the Study Area in 2018 and 2022

Specie		LRE		AR_{LRE}[1]		IPA		AR_{IPA}[2]	
Common name	Latin name	2018	2022	2018	2022	2018	2022	2018	2022
Osprey	*Pandion haliaetus*	-	-	-	-	1	-	0,31%	-
Wilson's snipe	*Gallinago delicata*	-	-	-	-	1	-	0,31%	-
White-winged crossbill	*Loxia leucoptera*	-	-	-	-	28	-	8,81%	-
Red crossbill	*Loxia curvirostra*	-	-	-	-	1	0,5	0,31%	0,47%
Canada goose	*Branta canadensis*	-	-	-	-	20	-	6,29%	-
White-throated sparrow	*Zonotrichia albicollis*	3	6	5,17%	8,33%	39	19	12,26%	17,76%
Song sparrow	*Melospiza melodia*	-	-	-	-	2	-	0,63%	-
Lincoln's sparrow	*Melospiza lincolnii*	5	17,5	8,62%	24,31%	17	10,5	5,35%	9,81%
Swamp sparrow	*Melospiza georgiana*	2	2	3,45%	2,78%	7	6	2,20%	5,61%
Savannah sparrow	*Passerculus sandwichensis*	5	6	8,62%	8,33%	7	4,5	2,20%	4,21%
Fox sparrow	*Passerella iliaca*	3	3	5,17%	4,17%	12	5	3,77%	4,67%

Specie		LRE		AR_{LRE}[1]		IPA		AR_{IPA}[2]	
Common name	Latin name	2018	2022	2018	2022	2018	2022	2018	2022
Red-tailed hawk	*Buteo jamaicensis*	-	-	-	-	-	-	-	-
Spotted sandpiper	*Actitis macularius*	5	-	8,62%	-	18	-	5,66%	-
American kestrel	*Falco sparverius*	-	1	-	1,39%	-	0,5	-	0,47%
Greater yellowlegs	*Tringa melanoleuca*	5	0,5	8,62%	0,70%	19	1	5,97%	0,93%
Common raven	*Corvus corax*	-	-	-	-	10	1,5	3,14%	1,40%
Hermit thrush	*Catharus guttatus*	1	1,5	1,72%	2,08%	7	7	2,20%	6,54%
Sandhill crane	*Antigone canadensis*	-	-	-	-	1	-	0,31%	-
Tree swallow	*Tachycineta bicolor*	-	1	-	1,39%	1	-	0,31%	-
Cedar waxwing	*Bombycilla cedrorum*	-	-	-	-	3	0,5	0,94%	0,47%
Dark-eyed junco	*Junco hyemalis*	1	5,5	1,72%	7,64%	9	6	2,83%	5,61%
Belted kingfisher	*Megaceryle alcyon*	-	-	-	-	-	-	-	-
American robin	*Turdus migratorius*	3	1	5,17%	1,39%	17	0,5	5,35%	0,47%
Canada jay	*Perisoreus canadensis*	-	-	-	-	-	0,5	-	0,47%
Alder flycatcher	*Empidonax alnorum*	-	-	-	-	12	5	3,77%	4,67%
Wilson's warbler	*Cardellina pusilla*	-	2	-	2,78%	1	1	0,31%	0,93%
Palm warbler	*Setophaga palmarum*	13	11	22,41%	15,28%	30	6	9,43%	5,61%
Yellow-rumped warbler	*Setophaga coronata*	-	1	-	1,39%	-	1	-	0,93%
Chestnut-sided warbler	*Setophaga pensylvanica*	-	1	-	1,39%	-	-	-	-
Magnolia warbler	*Setophaga magnolia*	1	-	1,72%	-	4	1	1,26%	0,93%
Canada warbler	*Cardellina canadensis*	-	-	-	-	2	-	0,63%	-
American yellow warbler	*Setophaga petechia*	6	7	10,34%	9,72%	22	8	6,92%	7,48%
Common yellowthroat	*Geothlypis trichas*	4	3	6,70%	5,66%	15	10	4,72%	9,35%

Specie		LRE		AR_{LRE}[1]		IPA		AR_{IPA}[2]	
Common name	Latin name	2018	2022	2018	2022	2018	2022	2018	2022
Orange-crowned warbler	*Leiothlypis celata*	1	-	1,72%	-	4	1	1,26%	0,93%
Northern flicker	*Colaptes auratus*	-	-	-	-	1	1	0,31%	0,93%
Common loon	*Gavia immer*	-	-	-	-	2	-	0,63%	-
Rusty blackbird	*Euphagus carolinus*	-	-	-	-	1	-	0,31%	-
Ruby-crowned kinglet	*Corthylio calendula*	-	2	-	2,78%	1	9	0,31%	8,41%
Purple finch	*Haemorhous purpureus*	-	-	-	-	1	-	0,31%	-
Sharp-tailed grouse[1]	*Tympanuchus phasianellus*	-	-	-	-	-	-	-	-
Spruce grouse[1]	*Canachites canadensis*	-	-	-	-	-	-	-	-
Winter wren	*Troglodytes hiemalis*	-	-	-	-	1	-	0,31%	-
Philadelphia vireo	*Vireo philadelphicus*	-	-	-	-	1	1	0,31%	0,93%
	Total	**58**	**72**	-	-	**318**	**107**	-	-

1 Species identified during the floristic inventory conducted on July 23 and 24, 2022
2 ARLRE refers to relative abundance as calculated from LRE data
3 ARIPA refers to relative abundance as calculated from IPA data

The species with the highest relative abundance, for each inventory method, are presented in Table 11.

Table 11. Species with the Highest Relative Abundance for each of the Count Types Used (LRE and IPA) in 2022

Specie		AR_{LRE}	Specie		AR_{IPA}
Common name	Latin name		Common name	Latin name	
Lincoln's sparrow	*Melospiza lincolnii*	24,31%	White-throated sparrow	*Zonotrichia albicollis*	17,76%
Palm warbler	*Setophaga palmarum*	15,28%	Lincoln's sparrow	*Melospiza lincolnii*	9,81%
American yellow warbler	*Setophaga petechia*	9,72%	Common yellowthroat	*Geothlypis trichas*	9,35%
White-throated sparrow	*Zonotrichia albicollis*	8,33%	Ruby-crowned kinglet	*Corthylio calendula*	8,41%
Savannah sparrow	*Passerculus sandwichensis*	8,33%	American yellow warbler	*Setophaga petechia*	7,48%
Dark-eyed sparrow	*Junco hyemalis*	7,64%	Hermit thrush	*Catharus guttatus*	6,54%
Common yellowthroat	*Geothlypis trichas*	5,66%	Swamp sparrow	*Melospiza georgiana*	5,61%
Fox sparrow	*Passerella iliaca*	4,17%	Dark-eyed junco	*Junco hyemalis*	5,61%
Swamp sparrow	*Melospiza georgiana*	2,78%	Palm warbler	*Setophaga palmarum*	5,61%
Wilson's warbler	*Cardellina pusilla*	2,78%	Alder flycatcher	*Empidonax alnorum*	4,67%
Ruby-crowned kinglet	*Corthylio calendula*	2,78%			

Nearly a quarter of the pair equivalents counted in the limited radius count represented Lincoln's sparrow (*Melospiza lincolnii*). Palm warbler (*Setophaga palmarum*) was the second most abundant species on this type of survey at 15.28%. Surveys conducted using the point index of abundance, by virtue of their greater geographic scope, show rather different results. White-throated sparrow (*Zonotrichia albicollis*) were more abundant, accounting for 17.76% of pair equivalents. Lincoln's sparrow was second in relative abundance at 9.81%. The open bog habitat corresponds in all respects to the vital needs of these species which always dominate this type of natural environment.

Eight (8) of the eleven (11) most abundant species in the LRE count are also found among the ten most abundant species in the IPA. Savannah sparrow (*Passerculus sandwichensis*), fox sparrow (*Passerella iliaca*), and Wilson's warbler (*Cardellina pusilla*) give up their places in the IPA rankings to hermit thrush (*Catharus guttatus*) and alder flycatcher (*Empidonax alnorum*).

The LRE and IPA methods therefore give different relative abundance data, which is expected considering the scope of each method. Indeed, since the IPA has a much greater spatial extent than the LRE, it allows for the recording of a greater avian diversity, but with a certain bias. It is important to note that, for a given listening station, species heard at a great distance during the IPA may be found in a habitat other than that recorded at the station. In this sense, LRE data should be considered a priority in the assessment of relative abundances. However, the IPA is a complementary method, having identified nine (9) species that were not recorded by the LRE.

3.3.2 Confirmed Nesting

Nesting was confirmed for the following five (5) species in the study area:

- White-throated sparrow (adult carrying food for one or more young near listening station A1 - observed during the July 24, 2022 floristic survey),
- Lincoln's sparrow (adult carrying food for one or more young at listening station A2),
- Savannah sparrow (adult occupying, leaving, or gaining a probable nest site [visible or not] and whose behaviour is indicative of an occupied nest at listening station A2),
- Palm Warbler (adult carrying food for one or more young at listening station A4),
- Spruce grouse (one adult female and 3 recent nestlings [nesting species] or downy young [nesting species], incapable of sustained flight between listening stations A1 and A5 - observed during the floristic survey on July 23, 2022).

3.3.3 Bird Species at Risk

No diurnal species of special concern were identified, although song repeats of Canada warbler (*Cardellina canadensis*), olive-sided flycatcher (*Contopus cooperi*) and rusty blackbird (*Euphagus carolinus*) were conducted at various listening stations where the environment was consistent with their breeding habitat.

The targeted inventory for short-eared owl did not detect the presence of the species in the study area. However, the owl survey confirmed the presence of a common nighthawk at listening stations HIMAENG2 and HIMAENG3. It was located primarily by its flight call. It was subsequently observed at very low altitude while visiting a probable nesting site during the species' breeding season in suitable nesting habitat. The site was a stunted, dense conifer at the following GPS coordinates: -75.8489305 51.6810215. Another individual of this avian species flew over the mine buildings near the *route du Nord*, but this one was outside the study area. The location of the occurrences of these species is presented on Map 5. No nighthawks were observed during this targeted survey.

3.3.4 Comparison of 2018 and 2022 Monitoring Results with Avian Data Collected in the Context of the Whabouchi Project Environmental and Social Impact Assessment

The environmental and social impact assessment (ESIA) for the Whabouchi project (Nemaska Lithium, 2013) targeted a larger study area than the one covered by this follow-up. Of the four (4) natural environments analyzed in the 2013 impact study, only one was targeted by the present follow-up, the shrub peatland. The estimated number of species and breeding pairs in the ESIA is therefore higher than the results obtained in 2018 and 2022. The following is a summary of the estimated and obtained species for the four (4) targeted avian groups:

- Of the 11 confirmed or probable breeding waterbird species in the ESIA study area, five (5) were identified in or near the shrub peatland during the 2018 and 2022 monitoring: Wilson's snipe (*Gallinago delicata*), spotted sandpiper (*Actitis macularius*), greater yellowlegs (*Tringa melanoleuca*), sandhill crane, and American kingfisher. Of these species, only the spotted sandpiper had not been recorded during the 2012[3] fieldwork in addition to the following five (5) species: least sandpiper (*Calidris minutilla*), solitary sandpiper (*Tringa solitaria*), European herring gull (*Larus argentatus*), great blue heron (*Ardea herodias*), and killdeer (*Charadrius vociferus*).
- Of the 12 confirmed or probable breeding waterfowl species in the ESIA study area, none were identified in the shrub peatland during the 2018 and 2022 monitoring. During the 2012 fieldwork, eight (8) waterbird species were observed: Canada goose (*Branta canadensis*), American wigeon (*Mareca americana*), American black duck (*Anas rubripes*), greater scaup (*Aythya marila*), common goldeneye (*Bucephala clangula*), common merganser (*Mergus merganser*), bufflehead (*Bucephala albeola*), and common loon (*Gavia immer*).
- Of the 13 confirmed or probable breeding raptor species in the ESIA study area, four (4) were identified in the shrub peatland during the 2018 and 2022 monitoring: osprey (*Pandion haliaetus*), red-tailed hawk, American kestrel (*Falco sparverius*) and great horned owl (*Bubo virginianus*). During the 2012 fieldwork, these species were observed in addition to northern harrier (*Circus hudsonius*).

[3] Although no inventory of avian fauna was conducted as part of the environmental and social impact assessment of the Whabouchi project, incidental observations noted during fieldwork conducted in 2012 for other biological components were taken into account.

- Of the 36 forest bird species (+ 1 taxon) from ESIA Appendix 7-26 in addition to the landbird species observed during the 2012 fieldwork, the 2018 and 2022 monitoring identified 28 of them in addition to six (6) species: white-winged crossbill (*Loxia leucoptera*), red crossbill (*Loxia curvirostra*), chestnut-sided warbler (*Setophaga pensylvanica*), Canada Warbler, Purple Finch (*Haemorhous purpureus*) and Philadelphia Vireo (*Vireo philadelphicus*).

In sum, the avian species observed in 2012, 2018 and 2022 are very similar. In terms of estimated pair equivalents for the shrub peatland, the ESIA proposed an estimate of 19 breeding pairs for landbirds, the most common group of birds found in this environment. The estimates proposed Lincoln's sparrow, palm warbler, savannah sparrow, white-throated sparrow, and yellow-rumped warbler (*Setophaga coronata*) as the dominant breeding species. The 2018 and 2022 monitoring confirmed these five (5) species while adding American yellow warbler (*Setophaga petechia*) and dark-eyed junco (*Junco hyemalis*) to this list. As for the total number of breeding pairs for this same category of birds, the follow-ups at the end of June 2018 and the beginning of July 2022 accumulated respectively between 48 and 70, which is largely above the number estimated in the impact study.

3.4 Herpetofauna

The dates and times of visits for anuran listening conducted in Spodumene Lake peatland and the weather conditions are presented in Table 12. Three listening evenings were conducted on June 28, 29, and 30, 2022 in the study area to listen for anuran songs at stations number H11 through H15.

Table 12. Visiting Conditions During Anuran Song Listening in June 2022.

Visit	Date	Visiting hours	Wind speed (Beaufort)	Weather conditions
Inventory stations H14 and H15	June 28	10:00 PM – 11:00 PM	1	13-14°C, cloudy
Inventory stations H11 and H13	June 29	9:45 PM – 10:45 PM	0	13°C, clear
Inventory stations H12	June 30	10:15 PM – 10:45 PM	1-2	13-14°C, cloudy

During the June visits, only one species of anuran was heard while listening for anuran songs, the mink frog (*Lithobates septentrionalis*). It was heard on June 29 at survey station H13 located along D creek (Map 6).

It should be noted that the spring peeper (*Pseudacris crucifer*) was also heard a few times during the small mammal survey in August. It was heard on August 20 and 22 at the edge of D creek and at the northeastern edge of the peatland, in the wooded area at the foot of the slope. These

observations were limited to the singing of one or two individuals (corresponding to an abundance rating of 1).

The active search conducted in the study area resulted in the observation of five species of amphibians and reptiles: the spring peeper, the American toad (*Anaxyrus americanus*), the wood frog (*Lithobates sylvaticus*), the mink frog and the common garter snake (*Thamnophis sirtalis*). Photos 1-5 show the five species observed during active searches. For some observations, the individual (anuran) could not be identified to species; these sighting records are identified as "*anoure sp*." (Table 13; Map 7).

In addition, anuran tadpoles were observed at various locations in the study area, such as ponds in the northeastern part of the peatland, ditches and ponds along the roads along the northern part of the peatland, and along the edge of Spodumene Lake (Photo 6; Table 13).

Photo 1. Mink frog observed in a pond near D creek on June 29, 2022

Photo 2. Spring Peeper observed northeast of the peatland on August 20, 2022

Photo 3. American toad observed in the eastern peatland on June 26, 2022

Photo 4. Wood frog observed in the centre of the peatland on August 23, 2022

Photo 5. Common garter snake observed northeast of the peatland on August 20, 2022

Photo 6. Tadpole observed at the edge of Spodumene Lake on August 25, 2022

The five species of amphibians and reptiles surveyed in the study area via anuran song listening and active searches are common and widespread in Quebec. These observations are presented in Table 13 and Map 6. No species of amphibian or reptile in precarious situation was therefore recorded in the study area.

Table 13. Herpetofauna Observations Made in the Study Area Using both Inventory Techniques (Listening for Anuran Songs and Active Search)

Date	Station	Specie	Abundance rating	Observed/heard
August 20 and 22	OB16, OB17, OB19, OB22	Spring peeper	1	Heard
August 19 and 20	OB18, OB19	Spring peeper	--	Observed
June 26, 29 and 30; August 23	H15, OB1, OB2, OB12, OB14, OB24	American toad	--	Observed
June 28 and 29; August 18, 19, 20 and 23	H1, OB3, OB5, OB8, OB10, OB11, OB16, OB20, OB21, OB22, OB25	Wood frog	--	Observed
June 29	H13	Mink frog	1	Heard
June 29	H14	Mink frog	--	Observed
June 28 and 29	H4, H8, OB6, OB7, OB10	Anoure sp.	--	Observed
June 28, 29 and 30; August 22 and 25	H7, OB4, OB9, OB13, OB23	Tadpoles	--	Observed
June 30 and August 20	OB15, OB19	Common garter snake	--	Observed

Wood frog and American toad were the two most frequently observed species in the study area (Table 13; Map 6). Wood frogs appear to be more widely distributed in the study area, while toads are more prevalent on the northern and northeastern edges of the study area. The abundance of observations in the northeastern part of the peatland may be explained by the presence of numerous ponds in this area.

The spring peeper was neither seen nor heard during our herpetofauna surveys at the end of June. However, it was seen and heard on several occasions in August during the small mammal survey (August 17 to 26). These occurrences were in the northeastern part of the peatland and in the shrub swamp bordering D Creek. The mink frog was seen and heard in June in the shrub swamp area near D Creek.

The common garter snake has been observed on two occasions in the northeast part of the peatland. The first observation was made in June by the geologist working at the Whabouchi mine. The observation was made at a higher elevation in the slope north of the study area and near rock outcrops. The second observation was made in August at the northern edge of the peatland, at the foot of the slope (photo 5).

No salamanders were observed in the study area. Similarly, no urodele larvae or egg masses that would provide evidence of the presence of this animal group were found during the June 2022 surveys. The blue-spotted salamander (*Ambystoma laterale*) is likely to be present in the Nemaska region (AARQ, 2023). It occupies forest environments, ecotones and peatlands (Desroches and Rodrigue, 2004) and could be present in the study area and in the vicinity of the Spodumene Lake peatland. The spotted salamander (*Ambystoma maculatum*), which occupies the same habitats as the blue-spotted salamander, could also be present in the study area, but the most northerly sightings of this species are in the southeast of the Nemaska region, north of Lake Mistassini (AARQ, 2023). Finally, the northern two-lined salamander (*Eurycea bislineata*) could also be present in the study area, with sightings reported west and north of Nemaska (AARQ, 2023). This species is found along creeks and lakes and in adjacent forested areas (Desroches and Rodrigue, 2004); it could be present in the southern and eastern parts of the study area, near the lake and D creek.

Among anurans, the northern leopard frog (*Lithobates pipiens*) could also be present in the Nemaska sector (AARQ, 2023). This species occupies open environments such as marshes along lakes and rivers, ponds, peatlands and fields. It is generally easy to observe when present in a sector, but it was not observed in the study area during our survey in the summer of 2022.

The 2018 herpetofauna survey of Spodumene Lake peatland identified five species of anurans in the study area, one more anuran species than this study. Indeed, the green frog (Lithobates clamitans) was heard at three stations during anuran song listening (rating 1) in June 2018. In southern Quebec, this species is abundant and easy to see and hear when present in a given area.

Our inventory in the study area during the summer of 2022 did not result in seeing or hearing the green frog.

In total, two observers and four days, or approximately 64 hours, were devoted to active research throughout the study area. In addition, a field assistant from the Nemaska Cree community participated in the inventory during the last three days, for the equivalent of 24 hours. Finally, approximately 2 hours were devoted to listening to anuran songs. In total, approximately 90 hours were allocated to the herpetofauna inventory in the study area in June 2022.

3.4.1 Comparison of 2018 and 2022 Monitoring Results with Herpetofauna Data Collected in the Context of the Whabouchi Project ESIA

The Whabouchi project's Environmental and Social Impact Assessment (ESIA) (Nemaska Lithium, 2013) covered an area of approximately 820 ha for the herpetofauna inventory in 2012, which is much larger than the study area for this follow-up (174 ha). Of the nine (9) natural environments that make up the study area of the herpetofauna inventory in the 2013 impact study, three environments (lake and shrub peatland, pond and shrub peatland, creek and alder grove) correspond to the habitats present in the present follow-up. Given the size and diversity of habitats in the ESIA study area, the number of species present should be at least equal to if not greater than the number of species present in the Spodumene Lake peatland and shrub swamp.

However, the results obtained do not support this. The results obtained for the three environments mentioned above are limited to the observation of the wood frog, which was counted in the "creek and alder grove" environment. The overall result of the herpetofauna inventory conducted as part of the ESIA in 2012 was four species (American toad, wood frog, mink frog, and common garter snake), which is one less species (spring peeper) than the current study. It should be noted that the 2012 survey was conducted in late June and the Spring Peeper was not counted. As was the present study since this species was not observed in June, but only in August during the small mammal survey.

Finally, the green frog was also not recorded in the ESIA (2012) study area, as was this study. This species was heard during the 2018 inventory. The common garter snake was also observed during the 2018 and 2022 inventories. No salamander species were observed during the three inventories (2012, 2018, and 2022).

3.5 Micromammals

The four inventory transects installed in the study area (T1 to T4) and the results of the recorded captures are presented in Map 7 and Table 14 below.

Table 14. Results of Small Mammal Captures in the Study Area from August 17 to 26, 2022

Transect	Specie code	Total	Number of species	Nights – Effective trap	Catch rate per unit effort[1]	Catch rate per 100 trap nights[2]
	SOCI					
T1	0	0	0	528	0	0
T2	1	1	1	560	0,0018	0,18
T3	0	0	0	594	0	0
T4	1	1	1	594	0,0017	0,17
Total	**2**	**2**	**1**	**2 276**	**0,00088**	**0,088**

SOCI = Cinereus shrew (*Sorex cinereus*)
1 Catch effort unit used in the 2018 report.
2 Catch effort unit used in the ESIA (2012).

Photos 1 to 8 provide an overview of the vegetation present at the locations where the four transects were installed.

Photo 7. Overview of transect 1 from the north (looking southwest)

Photo 8. Overview of transect 1 from the south (looking northeast)

Photo 9. Overview of transect 2 from the north (looking southwest)

Photo 10. Overview of transect 2 from its centre and view to the southwest

Photo 11. Overview of transect 3 from the north (looking south)

Photo 12. Overview of transect 3 from the south (looking north)

Photo 13. Overview of transect 4 from the north (looking southwest)

Photo 14. Overview of transect 4 from the south (looking northeast)

In total, only two small mammals belonging to a single species were captured during the 2 276 effective trap nights for the four transects, for a capture rate per unit effort of 0.00088 captures per trap night (0.088 captures per 100 trap nights). The only species observed, the cinereus shrew (*Sorex cinereus*), was captured at transects 2 (northeast of the peatland) and 4 (D Creek swamp) (Map 7; Table 14). This is a very common species in Quebec. Photos 9 to 12 show the only two small mammals captured in the study area.

Photo 15. Cinereus shrew captured at transect 2 (station 231) on August 25

Photo 16. Cinereus shrew captured at transect 2 (August 25)

Photo 17. Cinereus shrew captured at transect 4 (station 406) on August 26

Photo 18. Cinereus shrew captured at transect 4 (August 26)

Therefore, neither of the two species of voles reported in the region (southern peatland lemming and rock vole) were captured during this small mammal survey. The preferred habitat of the rock vole (wet slopes and rock outcrops) is not present in the study area. Southern bog lemmings prefer sphagnum peatlands, ericaceous peatlands and grassy marshes. Considering that these habitats are present in the study area, we could have expected to observe the species during our survey of the peatland. An individual was captured during the summer 2018 inventory, as well as in 2012 during the fieldwork for the Whabouchi project's Environmental and Social Impact Assessment (ESIA) (however, the identification remained to be validated).

It should be noted that since the beginning of 2022, the *Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs* (MELCCFP) requires a certificate of good animal care to issue a SEM permit and authorize the use of pitfall traps during small mammal inventories. Since obtaining such a certificate can be relatively time consuming, we made the decision to use only lethal traps to conduct the inventory. Pitfall traps are primarily used to capture shrews, although voles can occasionally be captured in pitfall traps. As a result, significantly fewer shrews were expected to be captured in 2022 (particularly the cinereus shrew) than in the previous inventory in 2018. During the 2018 survey, seven of the nine shrews captured were captured in pitfall traps. This was indeed the results we obtained, as only two shrews were captured in traps during our inventory. The results of capturing small shrews, such as shrews and cinereus shrew, using traps are generally very low (pers. obs.).

The total absence of vole captures during our inventory is still surprising, considering the trapping effort that was conducted. The results obtained by the previous study (Nemaska Ressources, 2019) indicated a very low density of voles in the Spodumene Lake peatland. The hypothesis of a low density of vole populations in the summer of 2018 was raised. Therefore, a higher capture rate could be expected for the 2022 campaign, but the results do not support this.

As for many species, the activity of small mammals is variable and depends on climatic conditions. It is suggested in the protocol to leave the traps active for 7 to 10 consecutive days in order to include one or more episodes of precipitation during the inventories. Rain in the evening favours the activity of small mammals, while heavy rain can hinder the inventory by triggering several traps (Jutras, 2005). The inventory of small mammals in the peatland took place over nine consecutive nights. During this period, weather conditions were variable, with warmer days on the first days of the survey and cooler days on the last days; a few precipitations occurred on two or three days. On the whole, the capture effort deployed and the weather conditions encountered during the small mammal survey met the requirements set out in the protocol.

Note that we incorporated three of the suggestions from the 2018 report into our small mammal inventory: moving the work dates forward by a few weeks, extending the inventory period over more than five consecutive days, and using transects instead of grids.

According to Fauteux & *al* (2014b), southern red-backed vole populations in the boreal forest would fluctuate every four years. According to the authors, the primary habitat of the southern red-backed

vole in Quebec's boreal forest is black spruce, a species with high seed production years occurring every four years in many regions. The study area is composed of a peatland and is not located in a forested area, but could there be a similar mechanism of fluctuating vole populations associated with peatlands that could explain the low abundance of voles in the study area in 2018 and 2022, four years apart? A new survey in two years, in 2024, may provide some insight into this question.

An environmental impact study conducted in 2004 for the Romaine Complex (Hydro-Québec Production, 2007) indicates that softwood or mixed forests have significantly more small mammal species than marshes and peatlands. "For all of the small mammal species surveyed, terrestrial environments (mixed or coniferous forests and cliffs located in these forests) have a greater number of captures per 100 trap nights than wetlands. Of the latter, swamps had the most and peatlands the least." It appears from this study that peatlands are among the environments with the lowest densities.

Could we also mention the rise in the water table in the peatland? The peatland is bordered by a slope to the north that creates an inflow of water and by Spodumene Lake to the east and D Creek to the south and west. Could the water table be too high over a too long period to maintain viable vole populations in the peatland? A review of the literature regarding small mammal population densities in peatlands and cycles of abundance might be useful to increase our knowledge on this topic.

Our results indicate a very low density of small mammals in the Spodumene Lake peatland. This very low density could be cyclical. However, according to the impact study carried out for the Romaine Complex (Hydro-Québec Production, 2007), peatlands have significantly lower densities of small mammals than swamps and forest environments. It is also possible, as mentioned in the 2018 environmental follow-up report, that small mammal densities are naturally very low in the peatland.

3.5.1 Comparison of 2018 and 2022 Monitoring Results with Small Mammal Data from the Whabouchi Project ESIA

The Environmental and Social Impact Assessment (ESIA) for the Whabouchi project (Nemaska Lithium, 2013) covered a total area of 31,415 ha, which corresponds to a 10 km radius centred on the mine site, a much larger study area than that of the present follow-up. Of the four (4) natural environments analyzed in the 2013 impact study (recent burn, shrub peatland, recent burn with anthropogenic disturbance and anthropogenic disturbance), only the shrub peatland (Spodumene Lake peatland) is covered by this follow-up. The number of small mammal species present in the large 31,415 ha study area of the ESIA is therefore likely greater than the number of species present in the Spodumene Lake peatland, which covers 174 ha.

The results obtained are not entirely consistent with this. That is to say, the inventory of small mammals carried out within the framework of the ESIA resulted in the capture of a total of 51 small mammals, including at least three (3) different species (Table 7-26 of the ESIA). Of this total of 51 small mammals, six (6) shrews were captured, but were not identified to species, meaning there may be more than one species of shrew. The inventories conducted in 2018 and 2022 (this study) led to the capture of four (4) different species of small mammals, including three species of vole and one species of shrew. It should be noted, however, that the capture effort for the ESIA small mammal inventory was much lower than for the 2018 and 2022 inventories combined: the ESIA capture effort was 440 trap nights while the total capture effort for the other two inventories combined was 3 641 trap nights (1 365 trap nights [2018] + 2 276 trap nights [2022]). Thus, the capture effort for the two most recent inventories (2018 and 2022) is much greater than the capture effort deployed in the ESIA. In theory, the diversity of habitats present in the large ESIA study area means that the number of small mammal species present in this study area is most certainly higher than in the Spodumene Lake peatland study area.

It should also be noted that in the 2013 impact study inventory (ESIA), the "shrub peatland" environment obtained the fewest total captures (2 captures), which is much less than the other 3 natural environments analyzed in the impact study (Table 7-26 of the ESIA). Thus, this result, which concerns the shrub peatland strictly, is in line with the 2018 and 2022 inventories, i.e., the abundance of small mammals seems lower in this type of habitat than in the other natural environments present in the sector.

4 Conclusion and Recommendations

Spodumene Lake peatland is located south of the Whabouchi Mine. It is a large peatland where the objective of the 2022 follow-up was to characterize the vegetation of the peatland and its shrub swamp sites already inventoried in 2018, in order to assess whether changes had occurred even before the start of mine operations and to illustrate the natural inter-annual variations prior to the operation of the site.

4.1 Pond Coverage

Work conducted in 2018, 2019, 2021, and 2022 in the context of annual monitoring of changes in pond cover in Spodumene Lake observed that the open water area of ponds varies greatly between monitoring years. Several natural, anthropogenic or instrumentation-related factors have been identified to explain the observed increase in surface area. To be able to verify the influence of these factors on the surface area of the ponds, actions will have to be taken during the next year of monitoring. To this end, the following recommendations have been made for the continuation of the monitoring of the evolution of pond coverage in Spodumene Lake starting in 2023:

- Make sure to conduct drone flyovers under the same conditions as in previous years (after the snow melts, in the spring, when the sun is at its highest in the sky so not in the morning or evening).
- Analyze snowpack data from the Nemaska Lithium weather station, when it is in place, to explain the difference between the calculated areas of the two monitoring years.
- Analyze the non-permeable area on the Whabouchi Mine site following construction, as well as the water runoff pattern on the site.
- Conduct field checkpoints when taking aerial images to better identify and delineate observed ponds.
- Install a water-level probe in one of the deep ponds in Spodumene Lake peatland to determine water levels when aerial images are taken. Comparison of water levels between years of monitoring would provide an explanation regarding area gains or losses between years of monitoring.
- Verify that high-definition satellite images are taken daily at the mine site so that they can be used to estimate pond areas instead of using drone images.

These modifications, in whole or in part, may be considered in the revision of the Whabouchi Mine Environmental Monitoring Program.

4.2 Floristic Inventory

Regarding monitoring of floristic composition, the same 3 transects along D Creek as well as the 21 peatland stations inventoried in 2018 characterized the flora of 34 inventory stations.

The data collected included several elements: plant species present in the different vegetation strata (arborescent, shrub, herbaceous, and moss), the cover of these species, and the cover of each stratum. All of the inventory stations conducted in 2022 recorded over 100 plant species. This is a net increase of 34 species in total compared to 2018, primarily caused by the species identification of bryophytes, from the invascular plant group. This is a 20% increase in the total number of species.

Although biases may exist between observers, greater changes in frequency (number of stations) and abundance (mean cover) of some species were observed between the two survey periods. The changes observed would rather represent a natural evolution of the microhabitat in the Spodumene Lake peatland than a consequence of anthropogenic activities on the mine site. Especially in the swamp transects, a great deal of natural evolution of the species present and their abundance can be observed. These natural hazards will have to be validated by statistical analysis when more years of data become available.

Similar to the 2018 inventory, none of the plant species recorded in the 2022 inventory have special protection status and are not considered invasive exotics.

New analyses were performed on the 2022 data to further our understanding of the study area. Indeed, the clustering analysis allowed us to objectively classify the habitat of the different stations under study. Certain trends were identified, particularly for stations S8, TR-1-C and TR-1-D which are associated with different groupings between years. These stations will therefore be monitored in the coming years because of their variability to see if an association emerges in the long term or not. Stations S11, S12, and S21 were also found to be more similar to stations previously identified as belonging to the shrub swamp, a similarity likely due to the proximity of these stations to Spodumene Lake. The indicator species analysis also revealed 21 plant species as the most relevant to monitor in order to effectively detect any changes that may occur in the peatland and shrub swamp environment.

In addition to repeating these analyses (the clustering analysis and the indicator species analysis) in future survey periods, we also recommend that modelling be done on the data from the peatland transects along D Creek. These transect stations should also be treated separately from the other peatland stations, as they not only allow us to observe inter-annual variation, but also to compare the difference between the peatland and shrub swamp vegetation through an additional parameter, distance from the creek.

It would also be relevant to make microtopography measurements in addition to measuring the water table. These data would help determine if changes in species presence and abundance are due to changes in the water table and/or changes in the microtopography of the inventory station.

4.3 Avifauna

A total of 34 species were recorded during the 2022 surveys compared to 36 species recorded in 2018, bringing the total avian species recorded in Spodumene Lake peatland habitat to 43 species since this monitoring began. Lincoln's sparrow, palm warbler, yellow warbler (*Setophaga petechia*), white-throated sparrow, and savannah sparrow are the most frequently encountered species during LRE surveys. Together, these species account for nearly 66% of the records. These are the same five dominant species as in the 2018 inventory.

Expanding the geographic scope of the inventory via the API, we note that the white-throated sparrow, Lincoln's sparrow, common yellowthroat (*Geothlypis trichas*), ruby-crowned kinglet (*Corthylio calendula*), and yellow warbler are the most frequently encountered species in the study area, accounting for nearly 53% of records overall. This result differs from 2018 when common yellowthroat, white-winged crossbill (*Loxia leucoptera*) and Canada goose (*Branta canadensis*) completed the picture along with the white-throated sparrow and yellow warbler.

Nearly 80% of the species recorded in the 2018 survey were in the orders Passeriformes or Piciformes, a result consistent with the fact that the survey techniques used are particularly well suited to recording these two groups. The 2022 survey reached the same conclusion. It is therefore reasonable to believe that a certain number of more discreet species could not be observed during the inventory work.

In 2018, two (2) precarious-status diurnal bird species were recorded, rusty blackbird and Canada warbler. These species could not be detected during the 2022 survey. One species of nocturnal birds of precarious status was recorded in 2022: the common nighthawk.

A rare avian species in Quebec, but with no particular status, was observed by the botanical team in the study area during the floristic inventory of July 23 and 24, 2022: the sharp-tailed grouse.

Based on the results of the monitoring conducted in 2022, the following recommendations are made for continued monitoring of avian wildlife from 2024 onward:

- The 2018 report contained erroneous data. Indeed, the species percentages, related to the calculation of API abundance, contained irregularities. These have been corrected in the current report. The 2022 report should therefore serve as a basis for comparing results from different years of avian monitoring.
- Continue monitoring as conducted in 2022.

4.4 Herpetofauna

The results of our herpetofauna inventory conducted in the summer of 2022 in the Spodumene Lake peatland and its shrub swamp complement the information obtained during the herpetofauna inventory conducted in the summer of 2018. Our inventory identified five species in the study area. The wood frog is the most abundant and widespread in the peatland and its periphery. The American toad is also widespread, but does not appear to be as abundant as the wood frog. The other two anuran species (spring peeper and mink frog) and the common garter snake appear to be more localized in the northeastern part of the bog and in the shrub swamp along D Creek. No salamanders were observed during the 2022 survey. Finally, none of the species observed in the study area has a special status in Quebec.

As with the 2018 field season, the next herpetofauna survey could be conducted a little earlier in June to be more in the breeding season of more anuran species. Also, it might be advantageous to plan one or two days dedicated to the active search for amphibians and reptiles in August-September, during the small mammal inventory campaign. In the present inventory, data collected in August 2022 (observations of the spring peeper and the common garter snake) completed the information collected in June 2022.

The inventory methods used in the summer of 2022 (listening for anuran songs and active search) are two complementary techniques for surveying amphibian and reptile species that provide a comprehensive list of species present in an area. Increasing the active search time along D Creek may be warranted to validate the presence of the green frog in this area and to verify if the two-lined salamander is present. Finally, active search along the roads along the northern edge of the bog could identify the presence of blue-spotted salamander and/or spotted salamander near the study area.

4.5 Micromammals

In total, only two (2) small mammals and one (1) species (shrew) were captured during the 2022 inventory while 12 small mammals and four (4) species (shrew + 3 vole species) were captured during the 2018 inventory. The lower total number of captures in 2022 is due in part to the fact that the traps used for this inventory were limited to snap traps and no pitfall traps were used. Pitfall traps promote the capture of small shrews and contribute to the overall capture of insectivores. This

explains the higher number of small mammals captured in 2018: seven of the twelve captures were made by pitfall traps. However, these have no impact on the capture of voles.

The low vole capture results from the 2018 and 2022 campaigns are still difficult to explain. When there are several capture campaigns that have been conducted, we will be able to make a comparative assessment of the results. For the moment, following the 2018 and 2022 campaigns, we can say that the densities of small mammals, especially voles, seem very low. Is the density of small mammals in the Spodumene Lake peatland naturally low or does this density fluctuate with the years as shown by studies in some forest habitats? We do not have enough data to answer this question with confidence.

Although no status vole species were captured in 2022, the preferred habitat (sphagnum-ericaceous peatland and grassy marsh) of southern bog lemming (a species likely to be designated as threatened or vulnerable) is present in the study area, in fact, one individual was captured during the 2018 campaign.

Regarding the methodology, we applied several recommendations made in the report produced following the 2018 campaign (advance the dates of the work, extend the inventory period over more than five consecutive days [i.e. increase the capture effort], use transects instead of grids). We believe that these adjustments were warranted and that the inventory methodology used in this study is not at fault for the low catch total obtained.

We should not wait another four years to conduct the next small mammal survey, in order to verify whether the peatland vole populations fluctuate in a similar manner (according to cycles of 3 to 5 years) to certain cyclical populations of southern red-backed voles in the boreal forest of eastern Canada. Also, it might be interesting to conduct a literature review on the population densities of small mammals observed in North American and Eurasian peatlands and on the cycles of abundance of these populations in order to learn more about this subject and to guide us on the best practices to use to conduct these inventories.

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Appendix 1

Comparison of Field Data Collected at Spodumene Lake Peatland and its Shrub Swamp during the 2018 and 2022 Survey Periods

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-01	Fen	Tree	0	0	-	-	-	-	-	
S-01	Fen	Shrub	5	0	*Kalmia polifolia*	Pale bog laurel	Ericaceae	2	0	
S-01	Fen	Shrub	5	0	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	1	0	
S-01	Fen	Shrub	5	0	*Andromeda polifolia*	Bog rosemary	Ericaceae	3	0	Outside of quadrat
S-01	Fen	Shrub	5	0	*Picea mariana*	Black spruce	Pinaceae	1	0	
S-01	Fen	Shrub	5	0	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	0	
S-01	Fen	Shrub	5	0	*Kalmia angustifolia*	Sheep laurel	Ericaceae	1	0	
S-01	Fen	Herb	80	90	*Menyanthes trifoliata*	Bog buckbean	Menyanthaceae	3	5	
S-01	Fen	Herb	80	90	*Rhynchospora alba*	White beakrush	Cyperaceae	70	70	
S-01	Fen	Herb	80	90	*Drosera rotundifolia*	English sundew	Droseraceae	1	0	
S-01	Fen	Herb	80	90	*Drosera anglica*	Round-leaved sundew	Droseraceae	10	20	
S-01	Fen	Herb	80	90	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	1	0	
S-01	Fen	Herb	80	90	*Utricularia cornuta*	Horned bladderwort	Lentibulariaceae	2	1	
S-01	Fen	Herb	80	90	*Drosera intermedia*	Spoon-leaved sundew	Droseraceae	-	1	
S-01	Fen	Herb	80	90	*Carex exilis*	Meagre sedge	Cyperaceae	-	1	
S-01	Fen	Herb	80	90	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	-	2	
S-01	Fen	Moss	75	50	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	25	
S-01	Fen	Moss	75	50	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	-	25	
S-01	Fen	Moss	75	50	-	Bryophytes spp.	-	75	25	Including the ones identified to species
S-01	Fen	Open Water	-	50	-	-	-	-	-	
S-02	Bog	Tree	0	0	-	-	-	-	-	
S-02	Bog	Shrub	60	45	*Picea mariana*	Black spruce	Pinaceae	10	8	
S-02	Bog	Shrub	60	45	*Larix laricina*	Tamarack	Pinaceae	1	3	
S-02	Bog	Shrub	60	45	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	40	3	
S-02	Bog	Shrub	60	45	*Andromeda polifolia*	Bog rosemary	Ericaceae	2	2	
S-02	Bog	Shrub	60	45	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	1	1	
S-02	Bog	Shrub	60	45	*Kalmia angustifolia*	Sheep laurel	Ericaceae	5	10	
S-02	Bog	Shrub	60	45	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	2	
S-02	Bog	Shrub	60	45	*Rubus chamaemorus*	Cloudberry	Rosaceae	5	15	
S-02	Bog	Shrub	60	45	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-02	Bog	Herb	8	15	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	1	1	
S-02	Bog	Herb	8	15	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	1	3	
S-02	Bog	Herb	8	15	*Eriophorum vaginatum*	Tussock cottongrass	Cyperaceae	3	5	
S-02	Bog	Herb	8	15	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	2	5	
S-02	Bog	Herb	8	15	*Trichophorum cespitosum*	Tufted clubrush	Cyperaceae	3	0	
S-02	Bog	Herb	8	15	*Drosera rotundifolia*	English sundew	Droseraceae	1	1	
S-02	Bog	Moss	100	100	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	95	
S-02	Bog	Moss	100	100	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	2	
S-02	Bog	Moss	100	100	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	5	
S-02	Bog	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species
S-03	Bog	Tree	0	0	-	-	-	-	-	
S-03	Bog	Shrub	40	40	*Picea mariana*	Black spruce	Pinaceae	5	1	Outside of quadrat
S-03	Bog	Shrub	40	40	*Kalmia angustifolia*	Sheep laurel	Ericaceae	10	5	
S-03	Bog	Shrub	40	40	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	2	
S-03	Bog	Shrub	40	40	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	1	5	
S-03	Bog	Shrub	40	40	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	25	15	
S-03	Bog	Shrub	40	40	*Rubus chamaemorus*	Cloudberry	Rosaceae	3	12	
S-03	Bog	Shrub	40	40	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-03	Bog	Herb	20	12	*Eriophorum vaginatum*	Tussock cottongrass	Cyperaceae	2	1	
S-03	Bog	Herb	20	12	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	18	10	
S-03	Bog	Herb	20	12	*Drosera rotundifolia*	English sundew	Droseraceae	1	1	
S-03	Bog	Moss	100	100	*Mylia anomala*	Anomalous flapwort	Myliaceae	-	15	
S-03	Bog	Moss	100	100	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	-	4	
S-03	Bog	Moss	100	100	*Cladonia sp.*	Lichen sp.	Cladoniaceae	-	1	Cup lichen
S-03	Bog	Moss	100	100	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	60	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-03	Bog	Moss	100	100	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	20	
S-03	Bog	Moss	100	100	-	Bryophytes spp.	-	100	80	Including the ones identified to species
S-04	Bog	Tree	1	0	*Picea mariana*	Black spruce	Pinaceae	1	0	Outside of quadrat
S-04	Bog	Shrub	60	60	*Picea mariana*	Black spruce	Pinaceae	15	0	Outside of quadrat
S-04	Bog	Shrub	60	60	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	3	5	
S-04	Bog	Shrub	60	60	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	30	15	
S-04	Bog	Shrub	60	60	*Kalmia angustifolia*	Sheep laurel	Ericaceae	3	1	
S-04	Bog	Shrub	60	60	*Rubus chamaemorus*	Cloudberry	Rosaceae	7	15	
S-04	Bog	Shrub	60	60	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	15	
S-04	Bog	Shrub	60	60	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-04	Bog	Shrub	60	60	*Andromeda polifolia*	Bog rosemary	Ericaceae	-	2	
S-04	Bog	Herb	25	25	*Drosera rotundifolia*	English sundew	Droseraceae	1	1	
S-04	Bog	Herb	25	25	*Eriophorum vaginatum*	Tussock cottongrass	Cyperaceae	15	10	
S-04	Bog	Herb	25	25	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	10	5	
S-04	Bog	Herb	25	25	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	-	5	
S-04	Bog	Moss	100	100	*Mylia anomala*	Anomalous flapwort	Myliaceae	-	1	
S-04	Bog	Moss	100	100	*Polytrichum strictum*	Bog haircap moss	Polytrichaceae	-	1	
S-04	Bog	Moss	100	100	*Sphagnum compactum*	Compact peat moss	Sphagnaceae			
S-04	Bog	Moss	100	100	*Sphagnum russowii*	Russow's peat moss	Sphagnaceae	-	1	
S-04	Bog	Moss	100	100	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	10	
S-04	Bog	Moss	100	100	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	100	90	
S-04	Bog	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species
S-05	Bog	Tree	0	0	-	-	-	-	-	Quadrat at border of small flat
S-05	Bog	Shrub	10	15	*Andromeda polifolia*	Bog rosemary	Ericaceae	3	2	
S-05	Bog	Shrub	10	15	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	3	5	
S-05	Bog	Shrub	10	15	*Kalmia angustifolia*	Sheep laurel	Ericaceae	2	3	
S-05	Bog	Shrub	10	15	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	3	
S-05	Bog	Shrub	10	15	*Picea mariana*	Black spruce	Pinaceae	1	0	
S-05	Bog	Shrub	10	15	*Kalmia polifolia*	Pale bog laurel	Ericaceae	-	2	
S-05	Bog	Herb	30	15	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae	5	0	Dead
S-05	Bog	Herb	30	15	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	1	8	
S-05	Bog	Herb	30	15	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	20	2	
S-05	Bog	Herb	30	15	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	5	2	
S-05	Bog	Herb	30	15	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
S-05	Bog	Moss	100	100	*Mylia anomala*	Anomalous flapwort	Myliaceae	-	15	
S-05	Bog	Moss	100	100	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	20	
S-05	Bog	Moss	100	100	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	65	
S-05	Bog	Moss	100	100	-	Bryophytes spp.	-	100	85	Including the ones identified to species
S-06	Bog	Tree	1	0	*Picea mariana*	Black spruce	Pinaceae	1	0	Outside of quadrat
S-06	Bog	Shrub	75	60	*Larix laricina*	Tamarack	Pinaceae	1	10	
S-06	Bog	Shrub	75	60	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	30	5	
S-06	Bog	Shrub	75	60	*Kalmia angustifolia*	Sheep laurel	Ericaceae	15	20	
S-06	Bog	Shrub	75	60	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	5	15	
S-06	Bog	Shrub	75	60	*Picea mariana*	Black spruce	Pinaceae	20	0	Outside of quadrat
S-06	Bog	Shrub	75	60	*Rubus chamaemorus*	Cloudberry	Rosaceae	8	1	
S-06	Bog	Shrub	75	60	*Andromeda polifolia*	Bog rosemary	Ericaceae	2	0	
S-06	Bog	Shrub	75	60	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-06	Bog	Shrub	75	60	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-06	Bog	Herb	25	20	*Eriophorum vaginatum*	Tussock cottongrass	Cyperaceae	25	20	
S-06	Bog	Herb	25	20	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
S-06	Bog	Moss	100	70	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	-	1	
S-06	Bog	Moss	100	70	*Cladonia sp.*	Lichen sp.	Cladoniaceae	-	1	Cup lichen
S-06	Bog	Moss	100	70	*Polytrichum juniperinum*	Juniper haircap moss	Polytrichaceae	-	1	
S-06	Bog	Moss	100	70	*Mylia anomala*	Anomalous flapwort	Myliaceae	-	20	
S-06	Bog	Moss	100	70	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae	-	1	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-06	Bog	Moss	100	70	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	30	
S-06	Bog	Moss	100	70	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	15	
S-06	Bog	Moss	100	70	-	Bryophytes spp.	-	95	45	Including the ones identified to species
S-06	Bog	Moss	100	70	*Sphagnum fallax*	Flat-top peat moss	Sphagnaceae	5	0	
S-06	Bog	Moss	100	70	*Pleurozium schreberi*	Red-stemmed feather moss	Hylocomiaceae	1	1	
S-07	Bog	Tree	1	0	*Picea mariana*	Black spruce	Pinaceae	1	0	Outside of quadrat
S-07	Bog	Shrub	80	75	*Picea mariana*	Black spruce	Pinaceae	15	3	Outside of quadrat
S-07	Bog	Shrub	80	75	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	5	5	
S-07	Bog	Shrub	80	75	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	3	
S-07	Bog	Shrub	80	75	*Kalmia angustifolia*	Sheep laurel	Ericaceae	10	4	
S-07	Bog	Shrub	80	75	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	40	25	
S-07	Bog	Shrub	80	75	*Rubus chamaemorus*	Cloudberry	Rosaceae	10	25	
S-07	Bog	Shrub	80	75	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-07	Bog	Herb	1	1	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	1	2	
S-07	Bog	Herb	1	1	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
S-07	Bog	Moss	100	85	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	8	
S-07	Bog	Moss	100	85	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae	-	5	
S-07	Bog	Moss	100	85	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	40	
S-07	Bog	Moss	100	85	*Cladonia stellaris*	Star-tipped reindeer liden	Cladoniaceae	-	1	
S-07	Bog	Moss	100	85	*Cladonia mitis*	Green reindeer lichen	Cladoniaceae	30	10	
S-07	Bog	Moss	100	85	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	15	20	
S-07	Bog	Moss	100	85	-	Bryophytes spp.	-	55	55	Including the ones identified to species
S-08	Bog	Tree	0	0	-	-	-	-	0	
S-08	Bog	Shrub	15	20	*Rubus chamaemorus*	Cloudberry	Rosaceae	1	1	
S-08	Bog	Shrub	15	20	*Picea mariana*	Black spruce	Pinaceae	1	5	
S-08	Bog	Shrub	15	20	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	8	10	
S-08	Bog	Shrub	15	20	*Kalmia angustifolia*	Sheep laurel	Ericaceae	1	1	
S-08	Bog	Shrub	15	20	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-08	Bog	Shrub	15	20	*Andromeda polifolia*	Bog rosemary	Ericaceae	5	3	
S-08	Bog	Shrub	15	20	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	2	
S-08	Bog	Herb	10	10	*Rhynchospora alba*	White beakrush	Cyperaceae	2	1	
S-08	Bog	Herb	10	10	*Drosera rotundifolia*	English sundew	Droseraceae	1	1	
S-08	Bog	Herb	10	10	*Carex limosa*	Mud sedge	Cyperaceae	1	2	
S-08	Bog	Herb	10	10	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	2	1	
S-08	Bog	Herb	10	10	*Eriophorum vaginatum*	Tussock cottongrass	Cyperaceae	1	0	
S-08	Bog	Herb	10	10	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae	1	1	
S-08	Bog	Herb	10	10	*Trichophorum cespitosum*	Tufted clubrush	Cyperaceae	3	3	
S-08	Bog	Herb	10	10	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	1	2	
S-08	Bog	Moss	100	100	*Sphagnum papillosum*	Papillose peat moss	Sphagnaceae	40	10	
S-08	Bog	Moss	100	100	*Cetraria islandica subsp. islandica*	Iceland moss	Parmeliaceae	-	8	
S-08	Bog	Moss	100	100	*Mylia anomala*	Anomalous flapwort	Myliaceae	-	15	
S-08	Bog	Moss	100	100	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	25	
S-08	Bog	Moss	100	100	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae	-	35	
S-08	Bog	Moss	100	100	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	25	
S-08	Bog	Moss	100	100	-	Bryophytes spp.	-	60	95	Including the ones identified to species
S-09	Bog	Tree	1	0	*Picea mariana*	Black spruce	Pinaceae	1	0	Outside of quadrat
S-09	Bog	Shrub	60	45	*Picea mariana*	Black spruce	Pinaceae	10	5	
S-09	Bog	Shrub	60	45	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	25	15	
S-09	Bog	Shrub	60	45	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	20	10	
S-09	Bog	Shrub	60	45	*Rubus chamaemorus*	Cloudberry	Rosaceae	5	10	
S-09	Bog	Shrub	60	45	*Kalmia angustifolia*	Sheep laurel	Ericaceae	1	1	
S-09	Bog	Shrub	60	45	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-09	Bog	Shrub	60	45	*Andromeda polifolia*	Bog rosemary	Ericaceae	1	2	
S-09	Bog	Shrub	60	45	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	-	1	
S-09	Bog	Herb	5	10	*Geocaulon lividum*	Northern comandra	Santalaceae	1	2	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-09	Bog	Herb	5	10	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	3	3	
S-09	Bog	Herb	5	10	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	1	1	
S-09	Bog	Herb	5	10	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	2	5	
S-09	Bog	Herb	5	10	*Carex trisperma*	Three-seeded sedge	Cyperaceae	1	0	
S-09	Bog	Moss	100	100	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	75	
S-09	Bog	Moss	100	100	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	25	
S-09	Bog	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species
S-10	Fen	Tree	0	0	-	-	-	-	-	
S-10	Fen	Shrub	10	3	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	2	1	
S-10	Fen	Shrub	10	3	*Andromeda polifolia*	Bog rosemary	Ericaceae	5	1	
S-10	Fen	Shrub	10	3	*Picea mariana*	Black spruce	Pinaceae	1	0	Outside of quadrat
S-10	Fen	Shrub	10	3	*Rubus chamaemorus*	Cloudberry	Rosaceae	1	0	Outside of quadrat
S-10	Fen	Shrub	10	3	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	1	0	Outside of quadrat
S-10	Fen	Shrub	10	3	*Larix laricina*	Tamarack	Pinaceae	3	0	Outside of quadrat
S-10	Fen	Shrub	10	3	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	0	Outside of quadrat
S-10	Fen	Shrub	10	3	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-10	Fen	Herb	35	40	*Utricularia cornuta*	Horned bladderwort	Lentibulariaceae	2	0	Too early for flowering
S-10	Fen	Herb	35	40	*Menyanthes trifoliata*	Bog buckbean	Menyanthaceae	2	3	
S-10	Fen	Herb	35	40	*Carex limosa*	Mud sedge	Cyperaceae	1	1	
S-10	Fen	Herb	35	40	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	1	0	
S-10	Fen	Herb	35	40	*Carex exilis*	Meagre sedge	Cyperaceae	3	1	
S-10	Fen	Herb	35	40	*Drosera rotundifolia*	English sundew	Droseraceae	1	0	
S-10	Fen	Herb	35	40	*Drosera anglica*	Round-leaved sundew	Droseraceae	3	10	
S-10	Fen	Herb	35	40	*Rhynchospora alba*	White beakrush	Cyperaceae	25	25	
S-10	Fen	Herb	35	40	*Juncus stygius*	Moor rush	Juncaceae	1	0	
S-10	Fen	Herb	35	40	*Drosera intermedia*	Spoon-leaved sundew	Droseraceae	-	2	
S-10	Fen	Moss	100	95	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	75	
S-10	Fen	Moss	100	95	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	-	20	
S-10	Fen	Moss	100	95	-	Bryophytes spp.	-	100	95	Including the ones identified to species
S-10	Fen	Open Water	-	5	-	-	-	-	-	
S-11	Bog	Tree	0	0	-	-	-	-	-	
S-11	Bog	Shrub	60	80	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	30	20	
S-11	Bog	Shrub	60	80	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	25	8	
S-11	Bog	Shrub	60	80	*Kalmia angustifolia*	Sheep laurel	Ericaceae	1	5	
S-11	Bog	Shrub	60	80	*Vaccinium boreale*	Northern blueberry	Ericaceae	5	45	
S-11	Bog	Shrub	60	80	*Kalmia polifolia*	Pale bog laurel	Ericaceae	-	3	
S-11	Bog	Herb	0	0	-	-	-	-	-	
S-11	Bog	Moss	75	85	*Dicranum undulatum*	Broom moss sp.	Dicranaceae	-	5	
S-11	Bog	Moss	75	85	-	Bryophytes spp.	-	70	85	Including the ones identified to species
S-11	Bog	Moss	75	85	*Lichen sp.*	Lichen sp.	-	-	15	
S-11	Bog	Moss	75	85	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	-	5	
S-11	Bog	Moss	75	85	*Cladonia mitis*	Green reindeer lichen	Cladoniaceae	-	1	
S-11	Bog	Moss	75	85	*Cladonia sp.*	Lichen sp.	Cladoniaceae	-	1	Cup lichen
S-11	Bog	Moss	75	85	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	80	
S-11	Bog	Moss	75	85	*Cladonia cf. crispata*	Greater organ-pipe lichen	Cladoniaceae	1	-	
S-11	Bog	Moss	75	85	*Cladonia cristatella*	British soldier lichen	Cladoniaceae	1	-	
S-11	Bog	Moss	75	85	*Cladonia cf. deformis*	Lesser sulphur-cup lichen	Cladoniaceae	5	-	
S-12	Bog	Tree	0	0	-	-	-	-	-	
S-12	Bog	Shrub	75	85	*Myrica gale*	Sweet gale	Myricaceae	30	50	
S-12	Bog	Shrub	75	85	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	30	10	
S-12	Bog	Shrub	75	85	*Vaccinium uliginosum*	Bog bilberry	Ericaceae	5	3	
S-12	Bog	Shrub	75	85	*Alnus incana* subsp. *rugosa*	Speckled alder	Betulaceae	10	20	
S-12	Bog	Shrub	75	85	*Picea mariana*	Black spruce	Pinaceae	1	0	
S-12	Bog	Shrub	75	85	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	-	2	
S-12	Bog	Herb	40	40	*Calamagrostis canadensis*	Bluejoint reedgrass	Poaceae	35	10	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-12	Bog	Herb	40	40	*Thalictrum pubescens*	Tall meadow-rue	Ranunculaceae	3	15	
S-12	Bog	Herb	40	40	*Eurybia radula*	Low rough aster	Asteraceae	3	3	
S-12	Bog	Herb	40	40	*Carex brunnescens*	Brownish sedge	Cyperaceae	1	1	
S-12	Bog	Herb	40	40	*Agrostis scabra*	Rough bentgrass	Poaceae	1	0	Outside of quadrat
S-12	Bog	Herb	40	40	*Juncus brevicaudatus*	Short-tailed rush	Juncaceae	1	1	Outside of quadrat
S-12	Bog	Herb	40	40	*Solidago uliginosa*	Bog goldenrod	Asteraceae	0	1	
S-12	Bog	Herb	40	40	*Carex echinata*	Star sedge	Cyperaceae	0	0	
S-12	Bog	Herb	40	40	*Carex trisperma*	Three-seeded sedge	Cyperaceae	0	1	
S-12	Bog	Herb	40	40	*Carex canescens*	Hoary sedge	Cyperaceae	-	1	
S-12	Bog	Herb	40	40	*Viola sp.*	Violet sp.	Violaceae	-	3	
S-12	Bog	Herb	40	40	*Lycopus uniflorus*	Northern water-horehound	Lamiaceae	-	2	
S-12	Bog	Herb	40	40	*Maianthemum canadense*	Wild lily-of-the-valley	Asparagaceae	-	1	
S-12	Bog	Herb	40	40	*Lysimachia borealis*	Northern starflower	Primulaceae	-	2	
S-12	Bog	Moss	0	80	*Pellia epiphylla*	Common pellia	Pelliaceae	-	5	Dark slope, vertical, facing the lake
S-12	Bog	Moss	0	80	*Hypnum lindbergii*	Lindberg's plait moss	Hypnaceae	-	10	
S-12	Bog	Moss	0	80	*Dicranum scoparium*	Common broom moss	Dicranaceae	-	10	
S-12	Bog	Moss	0	80	*Hypnum lindbergii*	Lindberg's plait moss	Hypnaceae	-	25	
S-12	Bog	Moss	0	80	*Lophozia guttulata*	Droplet flapwort	Scapaniaceae	-	10	
S-12	Bog	Moss	0	80	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	-	5	
S-12	Bog	Moss	0	80	*Sphagnum compactum*	Compact peat moss	Sphagnaceae	0	5	
S-12	Bog	Moss	0	80	*Sphagnum girgenshonii*	Girgensohn's peat moss	Sphagnaceae	-	5	
S-12	Bog	Sand	-	10	-	-	-	-	-	
S-13	Bog	Tree	2	0	*Picea mariana*	Black spruce	Pinaceae	2	0	Outside of quadrat
S-13	Bog	Shrub	80	75	*Kalmia angustifolia*	Sheep laurel	Ericaceae	3	30	
S-13	Bog	Shrub	80	75	*Kalmia polifolia*	Pale bog laurel	Ericaceae	3	3	
S-13	Bog	Shrub	80	75	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	60	20	
S-13	Bog	Shrub	80	75	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	5	10	
S-13	Bog	Shrub	80	75	*Picea mariana*	Black spruce	Pinaceae	10	5	
S-13	Bog	Shrub	80	75	*Rubus chamaemorus*	Cloudberry	Rosaceae	3	20	
S-13	Bog	Shrub	80	75	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-13	Bog	Herb	20	20	*Eriophorum vaginatum*	Tussock cottongrass	Cyperaceae	20	20	
S-13	Bog	Herb	20	20	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
S-13	Bog	Moss	100	95	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	15	
S-13	Bog	Moss	100	95	*Sphagnum rubellum*	Red peat moss	Sphagnaceae	-	10	
S-13	Bog	Moss	100	95	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	50	
S-13	Bog	Moss	100	95	-	Bryophytes spp.	-	70	75	Including the ones identified to species
S-13	Bog	Moss	100	95	*Pleurozium schreberi*	Red-stemmed feather moss	Hylocomiaceae	25	15	
S-13	Bog	Moss	100	95	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	5	2	
S-14	Bog	Tree	0	0	-	-	-	-	0	
S-14	Bog	Shrub	15	15	*Kalmia angustifolia*	Sheep laurel	Ericaceae	2	5	
S-14	Bog	Shrub	15	15	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-14	Bog	Shrub	15	15	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	5	5	
S-14	Bog	Shrub	15	15	*Andromeda polifolia*	Bog rosemary	Ericaceae	3	3	
S-14	Bog	Shrub	15	15	*Picea mariana*	Black spruce	Pinaceae	2	0	Outside of quadrat
S-14	Bog	Shrub	15	15	*Larix laricina*	Tamarack	Pinaceae	2	0	Outside of quadrat
S-14	Bog	Shrub	15	15	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-14	Bog	Shrub	15	15	*Rubus chamaemorus*	Cloudberry	Rosaceae	1	0	
S-14	Bog	Herb	5	12	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae	2	5	
S-14	Bog	Herb	5	12	*Drosera rotundifolia*	English sundew	Droseraceae	1	2	
S-14	Bog	Herb	5	12	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	2	5	
S-14	Bog	Moss	90	62	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	-	20	
S-14	Bog	Moss	90	62	*Sphagnum cuspidatum*	Feathery peat moss	Sphagnaceae	-	20	
S-14	Bog	Moss	90	62	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae	-	2	
S-14	Bog	Moss	90	62	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	-	10	
S-14	Bog	Moss	90	62	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	10	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-14	Bog	Moss	90	62	-	Bryophytes spp.	-	90	62	Including the ones identified to species
S-15	Bog	Tree	0	0	-	-	-	-	0	
S-15	Bog	Shrub	70	40	*Kalmia angustifolia*	Sheep laurel	Ericaceae	3	10	
S-15	Bog	Shrub	70	40	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-15	Bog	Shrub	70	40	*Picea mariana*	Black spruce	Pinaceae	5	3	
S-15	Bog	Shrub	70	40	*Andromeda polifolia*	Bog rosemary	Ericaceae	5	5	
S-15	Bog	Shrub	70	40	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	50	3	
S-15	Bog	Shrub	70	40	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	2	2	
S-15	Bog	Shrub	70	40	*Rubus chamaemorus*	Cloudberry	Rosaceae	5	8	
S-15	Bog	Shrub	70	40	*Larix laricina*	Tamarack	Pinaceae	2	0	
S-15	Bog	Shrub	70	40	*Vaccinium boreale*	Northern blueberry	Ericaceae	1	1	
S-15	Bog	Shrub	70	40	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-15	Bog	Herb	5	8	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	3	5	
S-15	Bog	Herb	5	8	*Drosera rotundifolia*	English sundew	Droseraceae	1	1	
S-15	Bog	Herb	5	8	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	2	2	
S-15	Bog	Herb	5	8	*Carex magellanica*	Boreal bug sedge	Cyperaceae	0	-	
S-15	Bog	Moss	100	95	*Cetraria islandica subsp. islandica*	Iceland moss	Parmeliaceae	-	5	
S-15	Bog	Moss	100	95	*Mylia anomala*	Anomalous flapwort	Myliaceae	-	2	
S-15	Bog	Moss	100	95	*Kurzia pauciflora*	Bristly fingerwort	Lepidoziaceae	-	2	
S-15	Bog	Moss	100	95	-	Bryophytes spp.	-	95	90	Including the ones identified to species
S-15	Bog	Moss	100	95	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	95	90	
S-15	Bog	Moss	100	95	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	5	2	
S-16	Bog	Tree	1	0	*Picea mariana*	Black spruce	Pinaceae	1	0	Outside of quadrat
S-16	Bog	Shrub	30	25	*Kalmia angustifolia*	Sheep laurel	Ericaceae	4	5	
S-16	Bog	Shrub	30	25	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	3	
S-16	Bog	Shrub	30	25	*Andromeda polifolia*	Bog rosemary	Ericaceae	1	1	
S-16	Bog	Shrub	30	25	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	15	5	
S-16	Bog	Shrub	30	25	*Picea mariana*	Black spruce	Pinaceae	6	0	
S-16	Bog	Shrub	30	25	*Rubus chamaemorus*	Cloudberry	Rosaceae	2	3	
S-16	Bog	Shrub	30	25	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-16	Bog	Shrub	30	25	*Vaccinium boreale*	Northern blueberry	Ericaceae	1	1	
S-16	Bog	Herb	10	15	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	8	10	
S-16	Bog	Herb	10	15	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	1	1	
S-16	Bog	Herb	10	15	*Drosera rotundifolia*	English sundew	Droseraceae	1	1	
S-16	Bog	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species
S-16	Bog	Moss	100	100	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	90	75	
S-16	Bog	Moss	100	100	*Sphagnum fuscum*	Brown peat moss	Sphagnaceae	10	25	
S-17	Fen	Tree	0	0	-	-	-	-	0	
S-17	Fen	Shrub	3	3	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-17	Fen	Shrub	3	3	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	2	1	
S-17	Fen	Shrub	3	3	*Andromeda polifolia*	Bog rosemary	Ericaceae	1	1	
S-17	Fen	Shrub	3	3	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-17	Fen	Herb	15	20	*Carex exilis*	Meagre sedge	Cyperaceae	5	8	
S-17	Fen	Herb	15	20	*Rhynchospora alba*	White beakrush	Cyperaceae	4	5	
S-17	Fen	Herb	15	20	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae	1	3	
S-17	Fen	Herb	15	20	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	1	1	
S-17	Fen	Herb	15	20	*Menyanthes trifoliata*	Bog buckbean	Menyanthaceae	2	3	
S-17	Fen	Herb	15	20	*Utricularia cornuta*	Horned bladderwort	Lentibulariaceae	1	0	
S-17	Fen	Herb	15	20	*Drosera intermedia*	Spoon-leaved sundew	Droseraceae	2	1	
S-17	Fen	Herb	15	20	*Drosera rotundifolia*	English sundew	Droseraceae	1	0	
S-17	Fen	Herb	15	20	*Drosera anglica*	Round-leaved sundew	Droseraceae	-	3	
S-17	Fen	Moss	100	90	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	-	10	
S-17	Fen	Moss	100	90	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	50	
S-17	Fen	Moss	100	90	*Sphagnum papillosum*	Papillose peat moss	Sphagnaceae	100	40	
S-17	Fen	Moss	100	90	-	Bryophytes spp.	-	100	100	Including the ones identified to species

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S-17	Fen	Open Water	-	10	-	-	-	-	-	
S-18	Fen	Tree	0	0	-	-	-	-	0	
S-18	Fen	Shrub	2	5	*Andromeda polifolia*	Bog rosemary	Ericaceae	1	1	
S-18	Fen	Shrub	2	5	*Kalmia polifolia*	Pale bog laurel	Ericaceae	-	1	
S-18	Fen	Shrub	2	5	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-18	Fen	Shrub	2	5	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	1	1	
S-18	Fen	Herb	12	25	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	2	2	
S-18	Fen	Herb	12	25	*Rhynchospora alba*	White beakrush	Cyperaceae	5	20	
S-18	Fen	Herb	12	25	*Menyanthes trifoliata*	Bog buckbean	Menyanthaceae	3	3	
S-18	Fen	Herb	12	25	*Drosera anglica*	Round-leaved sundew	Droseraceae	2	1	
S-18	Fen	Herb	12	25	*Drosera intermedia*	Spoon-leaved sundew	Droseraceae	2	2	
S-18	Fen	Herb	12	25	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
S-18	Fen	Herb	12	25	*Carex limosa*	Mud sedge	Cyperaceae	1	1	
S-18	Fen	Moss	80	75	*Odontoschisma fluitans*	Bog notchwort	Cephaloziaceae	-	20	
S-18	Fen	Moss	80	75	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	60	
S-18	Fen	Moss	80	75	-	Bryophytes spp.	-	80	80	Including the ones identified to species
S-18	Fen	Open Water	-	30	-	-	-	-	-	
S-19	Fen	Tree	0	0	-	-	-	-	0	
S-19	Fen	Shrub	25	12	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	20	2	
S-19	Fen	Shrub	25	12	*Kalmia angustifolia*	Sheep laurel	Ericaceae	3	5	
S-19	Fen	Shrub	25	12	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	2	
S-19	Fen	Shrub	25	12	*Picea mariana*	Black spruce	Pinaceae	1	0	
S-19	Fen	Shrub	25	12	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	2	
S-19	Fen	Shrub	25	12	*Andromeda polifolia*	Bog rosemary	Ericaceae	1	1	
S-19	Fen	Herb	40	40	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	40	40	
S-19	Fen	Herb	40	40	*Carex pauciflora*	Few-flowered sedge	Cyperaceae	1	1	
S-19	Fen	Herb	40	40	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
S-19	Fen	Moss	100	85	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	2	
S-19	Fen	Moss	100	85	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae	-	10	
S-19	Fen	Moss	100	85	*Sphagnum cuspidatum*	Feathery peat moss	Sphagnaceae	-	30	
S-19	Fen	Moss	100	85	*Sphagnum balticum*	Baltic peat moss	Sphagnaceae	-	40	
S-19	Fen	Moss	100	85	-	Bryophytes spp.	-	100	85	Including the ones identified to species
S-19	Fen	Open Water	-	15	-	-	-	-	-	
S-20	Fen	Tree	0	0	-	-	-	-	0	
S-20	Fen	Shrub	10	5	*Andromeda polifolia*	Bog rosemary	Ericaceae	8	2	
S-20	Fen	Shrub	10	5	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	2	3	
S-20	Fen	Shrub	10	5	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-20	Fen	Shrub	10	5	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
S-20	Fen	Herb	15	10	*Scheuchzeria palustris*	Marsh scheuchzeria	Scheuchzeriaceae	10	4	
S-20	Fen	Herb	15	10	*Rhynchospora alba*	White beakrush	Cyperaceae	5	5	
S-20	Fen	Herb	15	10	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae	2	2	
S-20	Fen	Moss	100	95	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	95	
S-20	Fen	Moss	100	95	-	Bryophytes spp.	-	100	95	Including the ones identified to species
S-20	Fen	Open Water	-	60	-	-	-	-	-	
S-21	Bog	Tree	0	0	-	-	-	-	0	
S-21	Bog	Shrub	80	60	*Vaccinium angustifolium*	Early lowbush blueberry	Ericaceae	5	10	
S-21	Bog	Shrub	80	60	*Kalmia angustifolia*	Sheep laurel	Ericaceae	50	25	
S-21	Bog	Shrub	80	60	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
S-21	Bog	Shrub	80	60	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	15	15	
S-21	Bog	Shrub	80	60	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	10	10	
S-21	Bog	Shrub	80	60	*Pinus banksiana*	Jack pine	Pinaceae	2	1	
S-21	Bog	Shrub	80	60	*Picea mariana*	Black spruce	Pinaceae	-	1	
S-21	Bog	Herb	5	5	*Trichophorum cespitosum*	Tufted clubrush	Cyperaceae	5	5	
S-21	Bog	Herb	5	5	*Melampyrum lineare*	American cow-wheat	Orobanchaceae	-	1	
S-21	Bog	Moss	15	70	*Cladonia cristatella*	British soldier lichen	Cladoniaceae	3	1	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
S-21	Bog	Moss	15	70	*Cladonia mitis*	Green reindeer lichen	Cladoniaceae	2	10	
S-21	Bog	Moss	15	70	*Mylia anomala*	Anomalous flapwort	Myliaceae	1	20	
S-21	Bog	Moss	15	70	*Sphagnum capilifolium*	Small red peat moss	Sphagnaceae	-	2	
S-21	Bog	Moss	15	70	*Dicranum undulatum*	Broom moss sp.	Dicranaceae	10	40	
TR-1-A	Shrub Swamp	Tree	0	0	-	-	-	-	-	Lost stake,replaced by new one
TR-1-A	Shrub Swamp	Shrub	50	40	*Myrica gale*	Sweet gale	Myricaceae	40	30	
TR-1-A	Shrub Swamp	Shrub	50	40	*Kalmia angustifolia*	Sheep laurel	Ericaceae	1	3	
TR-1-A	Shrub Swamp	Shrub	50	40	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
TR-1-A	Shrub Swamp	Shrub	50	40	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	5	2	
TR-1-A	Shrub Swamp	Shrub	50	40	*Andromeda polifolia*	Bog rosemary	Ericaceae	2	2	
TR-1-A	Shrub Swamp	Shrub	50	40	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	1	0	Outside of quadrat
TR-1-A	Shrub Swamp	Shrub	50	40	*Alnus incana subsp. rugosa*	Speckled alder	Betulaceae	2	0	Outside of quadrat
TR-1-A	Shrub Swamp	Herb	45	30	*Carex michauxiana*	Michaux's sedge	Cyperaceae	40	20	
TR-1-A	Shrub Swamp	Herb	45	30	*Gentiana linearis*	Narrow-leaved gentian	Gentianaceae	1	1	
TR-1-A	Shrub Swamp	Herb	45	30	*Eriocaulon aquaticum*	Seven-angled pipewort	Eriocaulaceae	1	0	
TR-1-A	Shrub Swamp	Herb	45	30	*Utricularia cornuta*	Horned bladderwort	Lentibulariaceae	1	0	Outside of quadrat
TR-1-A	Shrub Swamp	Herb	45	30	*Juncus brevicaudatus*	Short-tailed rush	Juncaceae	1	1	
TR-1-A	Shrub Swamp	Herb	45	30	*Calamagrostis canadensis*	Bluejoint reedgrass	Poaceae	1	1	
TR-1-A	Shrub Swamp	Herb	45	30	*Oclemena nemoralis*	Bog aster	Asteraceae	0	0	
TR-1-A	Shrub Swamp	Herb	45	30	*Eriophorum tenellum*	Rough cottongrass	Cyperaceae	0	0	Outside of quadrat
TR-1-A	Shrub Swamp	Herb	45	30	*Agrostis scabra*	Rough bentgrass	Poaceae	0	0	
TR-1-A	Shrub Swamp	Herb	45	30	*Glyceria borealis*	Boreal mannagrass	Poaceae	0	0	
TR-1-A	Shrub Swamp	Herb	45	30	*Potamogeton epihydrus*	Ribbon-leaved pondweed	Potamogetonaceae	0	0	Outside of quadrat
TR-1-A	Shrub Swamp	Herb	45	30	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	-	2	
TR-1-A	Shrub Swamp	Herb	45	30	*Carex echinata*	Star sedge	Cyperaceae	-	1	
TR-1-A	Shrub Swamp	Moss	1	5	*Sphagnum fallax*	Flat-top peat moss	Sphagnaceae	-	1	
TR-1-A	Shrub Swamp	Moss	1	5	*Sphagnum venustum*	Charming peat moss	Sphagnaceae	-	1	
TR-1-A	Shrub Swamp	Moss	1	5	*Sphagnum compactum*	Compact peat moss	Sphagnaceae	-	1	
TR-1-A	Shrub Swamp	Moss	1	5	*Sarmenthypnum sarmentosum*	Twiggy spoon moss	Calliergonaceae	-	2	
TR-1-A	Shrub Swamp	Moss	1	5	-	Bryophytes spp.	-	1	5	Including the ones identified to species
TR-1-B	Shrub Swamp	Tree	0	0	-	-	-	-	-	In channel, southwestern tip
TR-1-B	Shrub Swamp	Shrub	20	5	*Myrica gale*	Sweet gale	Myricaceae	15	5	
TR-1-B	Shrub Swamp	Shrub	20	5	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	5	0	
TR-1-B	Shrub Swamp	Shrub	20	5	*Andromeda polifolia*	Bog rosemary	Ericaceae	2	1	
TR-1-B	Shrub Swamp	Shrub	20	5	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	1	0	
TR-1-B	Shrub Swamp	Herb	27	1	*Juncus brevicaudatus*	Short-tailed rush	Juncaceae	2	0	
TR-1-B	Shrub Swamp	Herb	27	1	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	1	1	
TR-1-B	Shrub Swamp	Herb	27	1	*Utricularia intermedia*	Flat-leaved bladderwort	Lentibulariaceae	25	0	
TR-1-B	Shrub Swamp	Moss	50	40	-	Bryophytes spp.	-	50	40	Including the ones identified to species
TR-1-B	Shrub Swamp	Moss	50	40	*Sphagnum majus*	Greater peat moss	Sphagnaceae	-	40	
TR-1-B	Shrub Swamp	Moss	50	40	*Sphagnum papillosum*	Papillose peat moss	Sphagnaceae	50	0	
TR-1-C	Shrub Swamp	Tree	0	0	-	-	-	-	-	
TR-1-C	Shrub Swamp	Shrub	30	15	*Myrica gale*	Sweet gale	Myricaceae	10	5	
TR-1-C	Shrub Swamp	Shrub	30	15	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	10	5	
TR-1-C	Shrub Swamp	Shrub	30	15	*Andromeda polifolia*	Bog rosemary	Ericaceae	10	3	
TR-1-C	Shrub Swamp	Shrub	30	15	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
TR-1-C	Shrub Swamp	Shrub	30	15	*Larix laricina*	Tamarack	Pinaceae	1	0	
TR-1-C	Shrub Swamp	Shrub	30	15	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	2	
TR-1-C	Shrub Swamp	Herb	50	45	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	45	45	
TR-1-C	Shrub Swamp	Herb	50	45	*Carex limosa*	Mud sedge	Cyperaceae	5	2	
TR-1-C	Shrub Swamp	Moss	100	100	*Sphagnum papillosum*	Papillose peat moss	Sphagnaceae	95	1	
TR-1-C	Shrub Swamp	Moss	100	100	*Sphagnum fallax*	Flat-top peat moss	Sphagnaceae	-	45	
TR-1-C	Shrub Swamp	Moss	100	100	*Sphagnum pulchrum*	Beautiful peat moss	Sphagnaceae	-	55	
TR-1-C	Shrub Swamp	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species
TR-1-D	Shrub Swamp	Tree	0	0	-	-	-	-	-	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
TR-1-D	Shrub Swamp	Shrub	15	10	*Myrica gale*	Sweet gale	Myricaceae	3	3	
TR-1-D	Shrub Swamp	Shrub	15	10	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	2	3	
TR-1-D	Shrub Swamp	Shrub	15	10	*Vaccinium oxycoccos*	Small cranberry	Ericaceae	1	1	
TR-1-D	Shrub Swamp	Shrub	15	10	*Andromeda polifolia*	Bog rosemary	Ericaceae	10	2	
TR-1-D	Shrub Swamp	Shrub	15	10	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
TR-1-D	Shrub Swamp	Shrub	15	10	*Larix laricina*	Tamarack	Pinaceae	1	0	
TR-1-D	Shrub Swamp	Herb	30	10	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	25	10	
TR-1-D	Shrub Swamp	Herb	30	10	*Carex limosa*	Mud sedge	Cyperaceae	5	2	
TR-1-D	Shrub Swamp	Herb	30	10	*Sarracenia purpurea*	Northern pitcher plant	Sarraceniaceae	1	1	
TR-1-D	Shrub Swamp	Herb	30	10	*Drosera rotundifolia*	English sundew	Droseraceae	-	1	
TR-1-D	Shrub Swamp	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species
TR-1-D	Shrub Swamp	Moss	100	100	*Sphagnum pulchrum*	Beautiful peat moss	Sphagnaceae	-	40	
TR-1-D	Shrub Swamp	Moss	100	100	*Sphagnum papillosum*	Papillose peat moss	Sphagnaceae	100	60	
TR-2-A	Shrub Swamp	Tree	0	0	-	-	-	-	-	
TR-2-A	Shrub Swamp	Shrub	2	0	*Vaccinium uliginosum*	Bog bilberry	Ericaceae	1	0	
TR-2-A	Shrub Swamp	Shrub	2	0	*Myrica gale*	Sweet gale	Myricaceae	1	0	Outside of quadrat
TR-2-A	Shrub Swamp	Shrub	2	0	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	1	0	Outside of quadrat
TR-2-A	Shrub Swamp	Shrub	2	0	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	1	0	Outside of quadrat
TR-2-A	Shrub Swamp	Herb	15	50	*Scirpus atrocinctus*	Black-girdled bulrush	Cyperaceae	5	25	
TR-2-A	Shrub Swamp	Herb	15	50	*Utricularia cornuta*	Horned bladderwort	Lentibulariaceae	1	0	
TR-2-A	Shrub Swamp	Herb	15	50	*Eriocaulon aquaticum*	Seven-angled pipewort	Eriocaulaceae	1	1	
TR-2-A	Shrub Swamp	Herb	15	50	*Glyceria borealis*	Boreal mannagrass	Poaceae	1	2	
TR-2-A	Shrub Swamp	Herb	15	50	*Ranunculus flammula var. reptans*	Narrow-leaved creeping spearwort	Ranunculaceae	1	1	
TR-2-A	Shrub Swamp	Herb	15	50	*Juncus brevicaudatus*	Short-tailed rush	Juncaceae	1	1	
TR-2-A	Shrub Swamp	Herb	15	50	*Lysimachia terrestris*	Swamp yellow loosestrife	Primulaceae	2	2	
TR-2-A	Shrub Swamp	Herb	15	50	*Lobelia dortmanna*	Water lobelia	Campanulaceae	1	0	Outside of quadrat
TR-2-A	Shrub Swamp	Herb	15	50	*Juncus effusus*	Soft rush	Juncaceae	5	7	
TR-2-A	Shrub Swamp	Herb	15	50	*Potamogeton epihydrus*	Ribbon-leaved pondweed	Potamogetonaceae	0	0	Outside of quadrat
TR-2-A	Shrub Swamp	Herb	15	50	*Carex aquatilis*	Water sedge	Cyperaceae	-	15	
TR-2-A	Shrub Swamp	Herb	15	50	*Viola sp.*	Violet sp.	Violaceae	-	1	
TR-2-A	Shrub Swamp	Moss	3	30	*Sphagnum lescurii*	Lesquereux's peat moss	Sphagnaceae	-	30	
TR-2-A	Shrub Swamp	Moss	3	30	*Sphagnum platyphyllum*	Flat-leaved peat moss	Sphagnaceae	-	2	
TR-2-A	Shrub Swamp	Moss	3	30	-	Bryophytes spp.	-	3	2	Including the ones identified to species
TR-2-A	Shrub Swamp	Open Water	-	15	-	-	-	-	-	
TR-2-B	Shrub Swamp	Tree	1	0	*Pinus banksiana*	Jack pine	Pinaceae	1	0	
TR-2-B	Shrub Swamp	Shrub	95	95	*Pinus banksiana*	Jack pine	Pinaceae	30	30	
TR-2-B	Shrub Swamp	Shrub	95	95	*Kalmia angustifolia*	Sheep laurel	Ericaceae	70	50	
TR-2-B	Shrub Swamp	Shrub	95	95	*Myrica gale*	Sweet gale	Myricaceae	5	0	
TR-2-B	Shrub Swamp	Shrub	95	95	*Vaccinium myrtilloides*	Velvet-leaved blueberry	Ericaceae	10	30	
TR-2-B	Shrub Swamp	Shrub	95	95	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	3	0	
TR-2-B	Shrub Swamp	Shrub	95	95	*Picea mariana*	Black spruce	Pinaceae	1	0	
TR-2-B	Shrub Swamp	Shrub	95	95	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	1	1	Outside of quadrat
TR-2-B	Shrub Swamp	Herb	0	0	-	-	-	-	-	
TR-2-B	Shrub Swamp	Moss	0	0	-	-	-	-	-	
TR-2-B	Shrub Swamp	Litter	-	100	-	-	-	-	-	
TR-2-C	Shrub Swamp	Tree	1	0	*Pinus banksiana*	Jack pine	Pinaceae	1	0	
TR-2-C	Shrub Swamp	Shrub	90	80	*Pinus banksiana*	Jack pine	Pinaceae	30	20	
TR-2-C	Shrub Swamp	Shrub	90	80	*Kalmia angustifolia*	Sheep laurel	Ericaceae	30	30	
TR-2-C	Shrub Swamp	Shrub	90	80	*Salix bebbiana*	Bebb's willow	Salicaceae	3	0	
TR-2-C	Shrub Swamp	Shrub	90	80	*Vaccinium myrtilloides*	Velvet-leaved blueberry	Ericaceae	5	15	
TR-2-C	Shrub Swamp	Shrub	90	80	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	15	1	
TR-2-C	Shrub Swamp	Shrub	90	80	*Picea mariana*	Black spruce	Pinaceae	1	0	
TR-2-C	Shrub Swamp	Shrub	90	80	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	10	20	
TR-2-C	Shrub Swamp	Herb	0	0	-	-	-	-	-	
TR-2-C	Shrub Swamp	Moss	5	25	*Polytrichum juniperinum*	Juniper haircap moss	Polytrichaceae	-	5	

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TR-2-C	Shrub Swamp	Moss	5	25	*Sphagnum magellanicum*	Magellan's peat moss	Sphagnaceae	-	20	
TR-2-C	Shrub Swamp	Moss	5	25	-	Bryophytes spp.	-	5	20	Including the ones identified to species
TR-2-D	Shrub Swamp	Tree	1	0	*Pinus banksiana*	Jack pine	Pinaceae	1	0	
TR-2-D	Shrub Swamp	Shrub	95	90	*Pinus banksiana*	Jack pine	Pinaceae	30	30	
TR-2-D	Shrub Swamp	Shrub	95	90	*Kalmia angustifolia*	Sheep laurel	Ericaceae	60	60	
TR-2-D	Shrub Swamp	Shrub	95	90	*Salix bebbiana*	Bebb's willow	Salicaceae	1	0	
TR-2-D	Shrub Swamp	Shrub	95	90	*Vaccinium boreale*	Northern blueberry	Ericaceae	20	20	
TR-2-D	Shrub Swamp	Shrub	95	90	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	5	0	
TR-2-D	Shrub Swamp	Shrub	95	90	*Picea mariana*	Black spruce	Pinaceae	1	5	
TR-2-D	Shrub Swamp	Shrub	95	90	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	10	3	
TR-2-D	Shrub Swamp	Shrub	95	90	*Vaccinium myrtilloides*	Velvet-leaved blueberry	Ericaceae	-	5	
TR-2-D	Shrub Swamp	Herb	0	0	-	-	-	-	-	
TR-2-D	Shrub Swamp	Moss	2	10	*Polytrichum juniperinum*	Juniper haircap moss	Polytrichaceae	-	2	
TR-2-D	Shrub Swamp	Moss	2	10	*Cladonia rangiferina*	Gray reindeer lichen	Cladoniaceae	2	8	
TR-3-A	Shrub Swamp	Tree	0	0	-	-	-	-	-	
TR-3-A	Shrub Swamp	Shrub	95	95	*Rubus pubescens*	Dwarf raspberry	Rosaceae	5	5	
TR-3-A	Shrub Swamp	Shrub	95	95	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	10	10	
TR-3-A	Shrub Swamp	Shrub	95	95	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	15	5	
TR-3-A	Shrub Swamp	Shrub	95	95	*Alnus incana subsp. rugosa*	Speckled alder	Betulaceae	35	30	
TR-3-A	Shrub Swamp	Shrub	95	95	*Myrica gale*	Sweet gale	Myricaceae	30	50	
TR-3-A	Shrub Swamp	Herb	30	15	*Gentiana linearis*	Narrow-leaved gentian	Gentianaceae	1	0	
TR-3-A	Shrub Swamp	Herb	30	15	*Calamagrostis canadensis*	Bluejoint reedgrass	Poaceae	20	10	
TR-3-A	Shrub Swamp	Herb	30	15	*Thalictrum pubescens*	Tall meadow-rue	Ranunculaceae	2	2	
TR-3-A	Shrub Swamp	Herb	30	15	*Viola* sp.	Violet sp.	Violaceae	5	1	
TR-3-A	Shrub Swamp	Herb	30	15	*Maianthemum canadense*	Wild lily-of-the-valley	Asparagaceae	1	2	
TR-3-A	Shrub Swamp	Herb	30	15	*Lycopus uniflorus*	Northern water-horehound	Lamiaceae	1	0	
TR-3-A	Shrub Swamp	Herb	30	15	*Carex debilis*	White-edge sedge	Cyperaceae	-	1	
TR-3-A	Shrub Swamp	Moss	0	5	*Callicladium haldanianum*	Beautiful branch moss	Hypnaceae	-	2	
TR-3-A	Shrub Swamp	Moss	0	5	*Pohlia nutans*	Common nodding moss	Mielichhoferiaceae	-	2	
TR-3-A	Shrub Swamp	Moss	0	5	*Oncophorus whalenbergii*	Wahlenberg's spur moss	Dicranaceae	-	2	
TR-3-A	Shrub Swamp	Moss	0	5	-	-	-	-	-	
TR-3-B	Shrub Swamp	Tree	0	0	-	-	-	-	-	
TR-3-B	Shrub Swamp	Shrub	40	70	*Salix planifolia*	Tea-leaved willow	Salicaceae	1	0	
TR-3-B	Shrub Swamp	Shrub	40	70	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	5	2	
TR-3-B	Shrub Swamp	Shrub	40	70	*Alnus incana subsp. rugosa*	Speckled alder	Betulaceae	15	10	
TR-3-B	Shrub Swamp	Shrub	40	70	*Betula glandulosa*	Glandular birch	Betulaceae	3	0	
TR-3-B	Shrub Swamp	Shrub	40	70	*Myrica gale*	Sweet gale	Myricaceae	15	60	
TR-3-B	Shrub Swamp	Shrub	40	70	*Salix discolor*	Pussy willow	Salicaceae	1	0	
TR-3-B	Shrub Swamp	Shrub	40	70	*Salix sp.*	Willow sp.	Salicaceae	-	3	
TR-3-B	Shrub Swamp	Herb	70	25	*Glyceria canadensis*	Canada mannagrass	Poaceae	30	3	
TR-3-B	Shrub Swamp	Herb	70	25	*Carex vesicaria*	Inflated sedge	Cyperaceae	35	2	
TR-3-B	Shrub Swamp	Herb	70	25	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	2	10	
TR-3-B	Shrub Swamp	Herb	70	25	*Thalictrum pubescens*	Tall meadow-rue	Ranunculaceae	1	8	
TR-3-B	Shrub Swamp	Herb	70	25	*Viola sp.*	Violet sp.	Violaceae	1	0	
TR-3-B	Shrub Swamp	Herb	70	25	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	1	3	
TR-3-B	Shrub Swamp	Herb	70	25	*Carex aquatilis*	Water sedge	Cyperaceae	-	2	
TR-3-B	Shrub Swamp	Moss	0	0	-	-	-	-	-	
TR-3-C	Shrub Swamp	Tree	0	0	-	-	-	-	-	
TR-3-C	Shrub Swamp	Shrub	75	60	*Alnus incana subsp. rugosa*	Speckled alder	Betulaceae	20	5	Also outside of quadrat
TR-3-C	Shrub Swamp	Shrub	75	60	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	25	25	
TR-3-C	Shrub Swamp	Shrub	75	60	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	10	10	
TR-3-C	Shrub Swamp	Shrub	75	60	*Myrica gale*	Sweet gale	Myricaceae	20	30	
TR-3-C	Shrub Swamp	Shrub	75	60	*Betula pumila*	Bog birch	Betulaceae	2	0	
TR-3-C	Shrub Swamp	Shrub	75	60	*Amelanchier cf. bartramiana*	Bartram's serviceberry	Rosaceae	1	0	Outside of quadrat
TR-3-C	Shrub Swamp	Herb	10	25	*Carex trisperma*	Three-seeded sedge	Cyperaceae	3	2	

Station Number	Baseline Habitat	Stratum	Stratum Cover 2018 (%)	Stratum Cover 2022 (%)	Latin Name	Commun Name EN	Family	Species Cover 2018 (%)	Species Cover 2022 (%)	Comments
TR-3-C	Shrub Swamp	Herb	10	25	*Carex magellanica*	Boreal bug sedge	Cyperaceae	5	2	
TR-3-C	Shrub Swamp	Herb	10	25	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	2	20	
TR-3-C	Shrub Swamp	Herb	10	25	*Epilobium palustre*	Marsh willowherb	Onagraceae	1	1	
TR-3-C	Shrub Swamp	Herb	10	25	*Eurybia radula*	Low rough aster	Asteraceae	1	0	Outside of quadrat
TR-3-C	Shrub Swamp	Herb	10	25	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	-	2	
TR-3-C	Shrub Swamp	Moss	100	85	*Sphagnum fallax*	Flat-top peat moss	Sphagnaceae	-	40	
TR-3-C	Shrub Swamp	Moss	100	85	*Sphagnum russowii*	Russow's peat moss	Sphagnaceae	-	45	
TR-3-C	Shrub Swamp	Moss	100	85	-	Bryophytes spp.	-	100	85	Including the ones identified to species
TR-3-D	Shrub Swamp	Tree	1	0	*Larix laricina*	Tamarack	Pinaceae	1	0	
TR-3-D	Shrub Swamp	Shrub	55	75	*Myrica gale*	Sweet gale	Myricaceae	10	30	
TR-3-D	Shrub Swamp	Shrub	55	75	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	15	15	
TR-3-D	Shrub Swamp	Shrub	55	75	*Alnus incana subsp. rugosa*	Speckled alder	Betulaceae	10	20	
TR-3-D	Shrub Swamp	Shrub	55	75	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	3	3	
TR-3-D	Shrub Swamp	Shrub	55	75	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	20	10	
TR-3-D	Shrub Swamp	Shrub	55	75	*Salix sp.*	Willow sp.	Salicaceae	1	0	
TR-3-D	Shrub Swamp	Shrub	55	75	*Kalmia polifolia*	Pale bog laurel	Ericaceae	-	1	
TR-3-D	Shrub Swamp	Herb	10	20	*Carex trisperma*	Three-seeded sedge	Cyperaceae	10	10	
TR-3-D	Shrub Swamp	Herb	10	20	*Maianthemum trifolium*	Three-leaved false Solomon's seal	Asparagaceae	1	0	
TR-3-D	Shrub Swamp	Herb	10	20	*Maianthemum canadense*	Wild lily-of-the-valley	Asparagaceae	1	5	
TR-3-D	Shrub Swamp	Herb	10	20	*Carex oligosperma*	Few-seeded sedge	Cyperaceae	-	3	
TR-3-D	Shrub Swamp	Herb	10	20	*Lysimachia borealis*	Northern starflower	Primulaceae	-	1	
TR-3-D	Shrub Swamp	Herb	10	20	*Eurybia radula*	Low rough aster	Asteraceae	-	1	
TR-3-D	Shrub Swamp	Moss	100	75	*Sphagnum russowii*	Russow's peat moss	Sphagnaceae	-	60	
TR-3-D	Shrub Swamp	Moss	100	75	*Sphagnum fallax*	Flat-top peat moss	Sphagnaceae	-	5	
TR-3-D	Shrub Swamp	Moss	100	75	*Sphagnum girgenshonii*	Girgensohn's peat moss	Sphagnaceae	-	10	
TR-3-D	Shrub Swamp	Moss	100	75	-	Bryophytes spp.	-	100	75	Including the ones identified to species
TR-3-E	Shrub Swamp	Tree	3	0	*Larix laricina*	Tamarack	Pinaceae	2	0	
TR-3-E	Shrub Swamp	Tree	3	0	*Picea mariana*	Black spruce	Pinaceae	1	0	
TR-3-E	Shrub Swamp	Shrub	40	45	*Lonicera villosa*	Mountain fly-honeysuckle	Caprifoliaceae	1	0	
TR-3-E	Shrub Swamp	Shrub	40	45	*Betula pumila*	Bog birch	Betulaceae	10	10	
TR-3-E	Shrub Swamp	Shrub	40	45	*Alnus incana subsp. rugosa*	Speckled alder	Betulaceae	12	5	
TR-3-E	Shrub Swamp	Shrub	40	45	*Rhododendron groenlandicum*	Common Labrador tea	Ericaceae	8	8	
TR-3-E	Shrub Swamp	Shrub	40	45	*Myrica gale*	Sweet gale	Myricaceae	5	20	
TR-3-E	Shrub Swamp	Shrub	40	45	*Kalmia polifolia*	Pale bog laurel	Ericaceae	1	1	
TR-3-E	Shrub Swamp	Shrub	40	45	*Chamaedaphne calyculata*	Leatherleaf	Ericaceae	5	2	
TR-3-E	Shrub Swamp	Shrub	40	45	*Spiraea alba var. latifolia*	Broad-leaved meadowsweet	Rosaceae	1	1	
TR-3-E	Shrub Swamp	Shrub	40	45	*Salix sp.*	Willow sp.	Salicaceae	1	1	
TR-3-E	Shrub Swamp	Herb	25	70	*Spinulum annotinum*	Stiff clubmoss	Lycopodiaceae	1	3	
TR-3-E	Shrub Swamp	Herb	25	70	*Carex trisperma*	Three-seeded sedge	Cyperaceae	25	65	
TR-3-E	Shrub Swamp	Moss	100	100	*Sphagnum russowii*	Russow's peat moss	Sphagnaceae	-	35	
TR-3-E	Shrub Swamp	Moss	100	100	*Sphagnum angustifolium*	Nnarrow-leaved peat moss	Sphagnaceae	-	60	
TR-3-E	Shrub Swamp	Moss	100	100	*Sphagnum girgenshonii*	Girgensohn's peat moss	Sphagnaceae	-	5	
TR-3-E	Shrub Swamp	Moss	100	100	-	Bryophytes spp.	-	100	100	Including the ones identified to species

Appendix 2

Photographic File

Photo 1. Station S1 (fen)

Photo 2. Station S2 (bog)

Photo 3. Station S3 (bog)

Photo 4. Station S4 (bog)

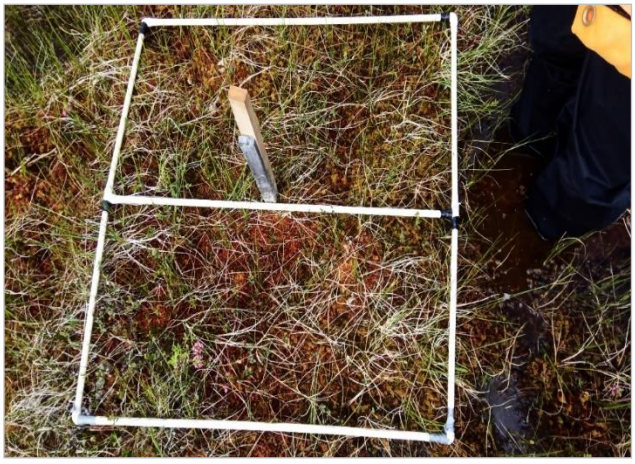


Photo 5. Station S5 (bog)

Photo 6. Station S6 (bog)

Photo 7. Station S7 (bog)

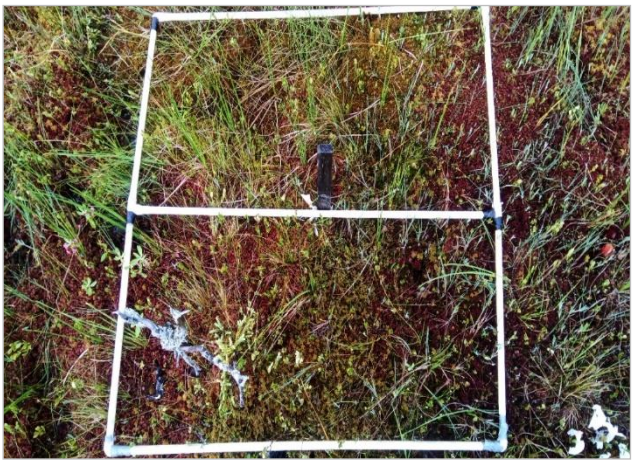


Photo 8. Station S8 (bog)

Photo 9. Station S9 (bog)

Photo 10. Station S10 (fen)

Photo 11. Station S11 (Shrub Swamp C1)

Photo 12. Station S12 (Shrub Swamp C2)

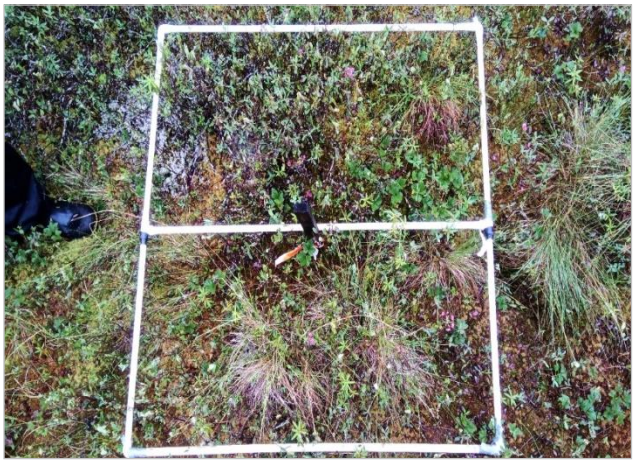


Photo 13. Station S13 (bog)

Photo 14. Station S14 (bog)

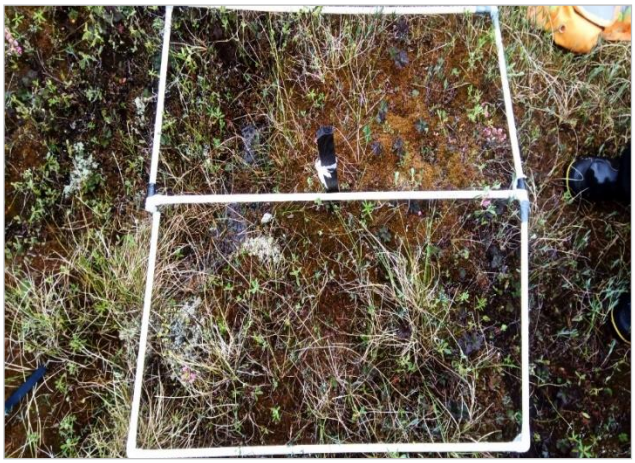


Photo 15. Station S15 (bog)

Photo 16. Station S16 (bog)

Photo 17. Station S17 (fen)

Photo 18. Station S18 (fen)

Photo 19. Station S19 (bog)

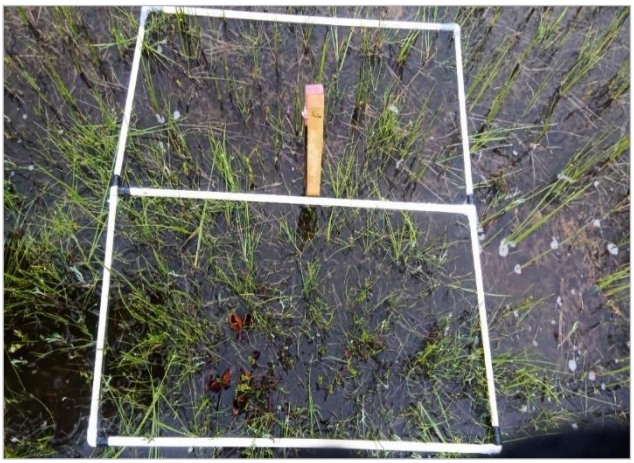


Photo 20. Station S20 (fen)

Photo 21. Station S21 (Shrub Swamp C1)

Photo 22. Station TR-1-A (Shrub Swamp C3)

Photo 23. Station TR-1-B (Shrub Swamp C3)

Photo 24. Station TR-1-C (Shrub Swamp C3)

Photo 25. Station TR-1-D (Shrub Swamp C3)

Photo 26. Station TR-2-A (Shrub Swamp C1)

Photo 27. Station TR-2-B (Shrub Swamp C1)

Photo 28. Station TR-2-C (Shrub Swamp C1)

Photo 29. Station TR-2-D (Shrub Swamp C1)

Photo 30. Station TR-3-A (Shrub Swamp C2)

Photo 31. Station TR-3-B (Shrub Swamp C2)

Photo 32. Station TR-3-C (Shrub Swamp C2)

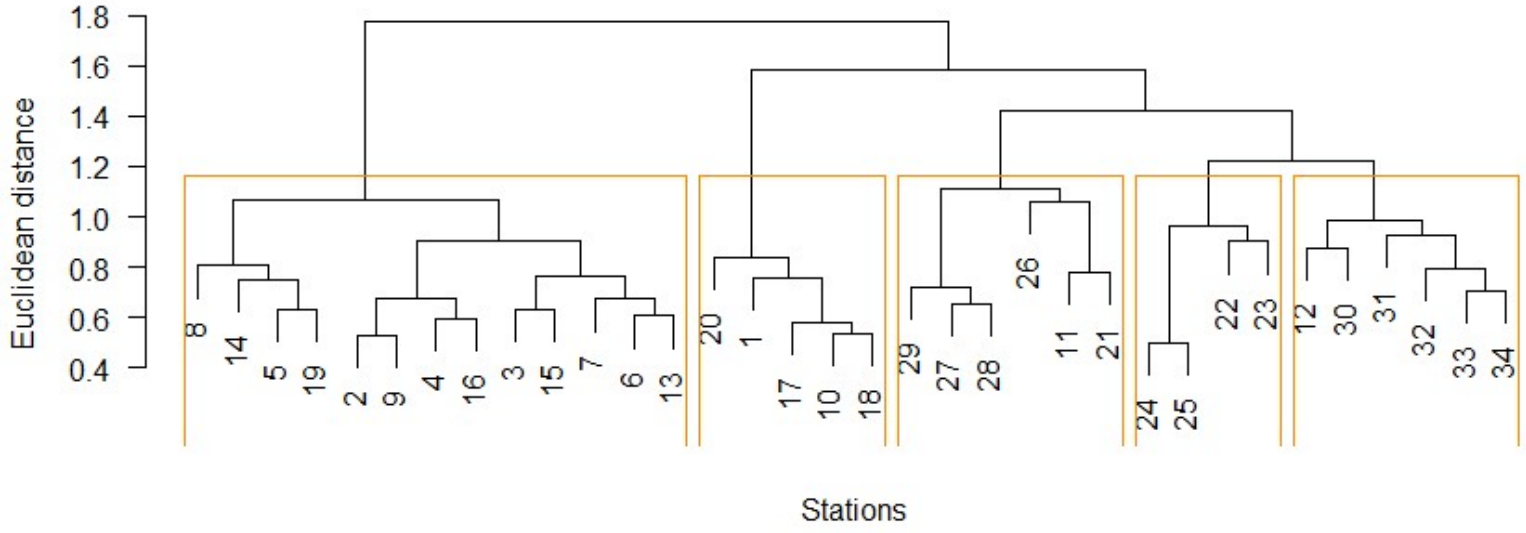
Photo 33. Station TR-3-D (Shrub Swamp C2)

Photo 34. Station TR-3-E (Shrub Swamp C2)

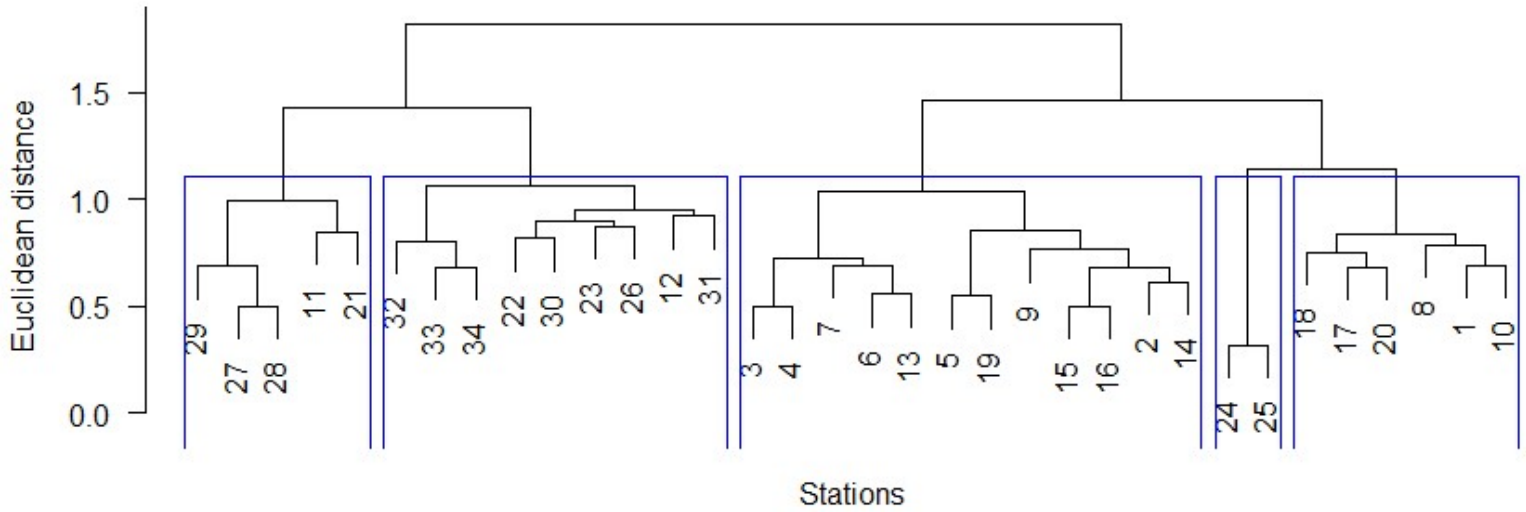
Appendix 3

Dendrograms of the Clustering Analysis

Cluster Dendrogram - 2022



Cluster Dendrogram - 2018



Appendix 4

Results of the Indicator Species Analysis

```
Multilevel pattern analysis
 ---------------------------

 Association function: IndVal.g
 Significance level (alpha): 0.05

 Total number of species: 104
 Selected number of species: 31
 Number of species associated to 1 group: 21
 Number of species associated to 2 groups: 6
 Number of species associated to 3 groups: 4
 Number of species associated to 4 groups: 0

 List of species associated to each combination:

 Group: Bog  #sps.  3
                      A      B  stat p.value
Sphagnum fuscum   1.0000 0.8462 0.920   0.001 ***
Rubus chamaemorus 1.0000 0.7692 0.877   0.001 ***
Carex pauciflora  1.0000 0.6923 0.832   0.001 ***

 Group: Shrub swamp 1  #sps.  2
                         A      B  stat p.value
Pinus banksiana        1.0000 0.6667 0.816   0.003 **
Vaccinium myrtilloides 1.0000 0.5000 0.707   0.007 **

 Group: Shrub swamp 2  #sps.  7
                               A      B  stat p.value
Alnus incana subsp. rugosa  1.0000 1.0000 1.000   0.001 ***
Spiraea alba var. latifolia 1.0000 0.8333 0.913   0.001 ***
Carex trisperma             1.0000 0.6667 0.816   0.004 **
Thalictrum pubescens        1.0000 0.5000 0.707   0.015 *
Maianthemum canadense       1.0000 0.5000 0.707   0.005 **
Sphagnum girgenshonii       1.0000 0.5000 0.707   0.008 **
Sphagnum russowii           0.9967 0.5000 0.706   0.011 *

 Group: Shrub swamp 3  #sps.  1
                    A   B  stat p.value
Sphagnum pulchrum 1.0 0.5 0.707   0.016 *

 Group: Fen  #sps.  8
                         A      B  stat p.value
Rhynchospora alba      0.9969 1.0000 0.998   0.001 ***
Sphagnum majus         0.8409 1.0000 0.917   0.001 ***
Menyanthes trifoliata  1.0000 0.8000 0.894   0.001 ***
Drosera anglica        1.0000 0.8000 0.894   0.001 ***
Drosera intermedia     1.0000 0.8000 0.894   0.001 ***
Odontoschisma fluitans 0.8635 0.8000 0.831   0.001 ***
Carex exilis           1.0000 0.6000 0.775   0.003 **
Scheuchzeria palustris 0.7006 0.8000 0.749   0.009 **

 Group: Bog + Shrub swamp 1  #sps.  2
                          A      B  stat p.value
Kalmia angustifolia 0.9796 0.9474 0.963   0.001 ***
Picea mariana       1.0000 0.4737 0.688   0.034 *

 Group: Bog + Shrub swamp 3  #sps.  1
                          A      B  stat p.value
Drosera rotundifolia 0.8621 0.7647 0.812   0.002 **

 Group: Shrub swamp 2 + Shrub swamp 3  #sps.  2
                    A   B  stat p.value
Myrica gale     1.0 1.0 1.000   0.001 ***
Sphagnum fallax 1.0 0.4 0.632   0.029 *
```

```
 Group: Shrub swamp 3 + Fen  #sps.  1
                  A      B  stat p.value
Carex limosa 0.9010 0.4444 0.633   0.038 *

 Group: Bog + Shrub swamp 1 + Shrub swamp 2  #sps.  1
                               A    B stat p.value
Rhododendron groenlandicum 1.00 0.64  0.8   0.009 **

 Group: Bog + Shrub swamp 2 + Shrub swamp 3  #sps.  1
                        A      B  stat p.value
Carex oligosperma 1.0000 0.6957 0.834   0.011 *

 Group: Bog + Shrub swamp 3 + Fen  #sps.  2
                          A      B  stat p.value
Vaccinium oxycoccos 1.0000 0.8636 0.929   0.001 ***
Andromeda polifolia 1.0000 0.7727 0.879   0.001 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

Appendix 5

Avifauna Raw Data

GROUPE SYNERGIS

STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 1 de 27
Date	Heure début	Durée (min)	Numéro de station
2022-07-05	08:58:00	20	A1

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
08:58:00	9	8	20	0	N-O	1	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRFA	-	-	1	-	-	-	-	-	-	-	-	-	X	OBS
BRGB	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	2	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	1.5	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	1.5	-	-	S	POS
BRPR	1.5	-	-	-	-	-	-	-	-	-	-	-	A	PRO
BRPR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	1	-	-	-	-	-	A	PRO
BRPR	-	-	-	-	-	-	-	-	-	1.5	-	-	S	POS
GRCH	0.5	-	-	-	-	-	-	-	-	-	-	-	A	PRO
GRCH	-	-	-	-	-	0.5	-	-	-	-	-	-	A	PRO
GRCH	-	-	-	-	-	-	-	0.5	-	-	-	-	A	PRO
GRCH	-	-	-	-	-	-	-	-	-	-	1	-	A	PRO
GRCO	-	-	-	-	-	-	-	0.5	-	-	-	-	A	PRO
GRCO	-	-	-	-	-	-	-	-	-	-	1.5	-	A	PRO
JUAR	-	-	-	-	-	-	1	-	-	-	-	-	A	PRO
PACR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
ROCR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
-	-	-	-

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

Autre commentaire :	Grco mangeaient les oeufs ou petits du Grch
Description de l'habitat :	TOM

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 3 de 27
	Date	Heure début	Durée (min)	Numéro de station
	2022-07-05	07:20:00	20	A2

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
07:20:00	8	5	0	0	N-O	1	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BCSA	-	-	-	-	-	-	-	-	-	-	0.5	-	H	POS
BRGB	-	2	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	2	-	S	POS
BRLI	1.5	-	-	-	-	-	-	-	-	-	-	-	AT	CON
BRLI	-	-	-	0.5	-	-	-	-	-	-	-	-	A	PRO
BRLI	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1.5	-	-	-	-	-	A	PRO
BRLI	-	-	-	-	-	-	-	-	-	2	-	-	A	PRO
BRPR	1	-	-	-	-	-	-	-	-	-	-	-	NO	CON
BRPR	-	-	-	1	-	-	-	-	-	-	-	-	A	PRO
BRPR	-	-	-	-	-	-	1.5	-	-	-	-	-	A	PRO
BRPR	-	-	-	-	-	-	-	-	-	1	-	-	A	PRO
JUAR	1	-	-	-	-	-	-	-	-	-	-	-	A	PRO
MECA	-	0.5	-	-	-	-	-	-	-	-	-	-	H	POS
MOAU	-	-	-	-	-	-	-	-	-	-	-	0.5	X	OBS
PACR	1	-	-	-	-	-	-	-	-	-	-	-	A	PRO
PACR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
ROCR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
MOCO	Moucherolle à côtés olive	Non	-
QURO	Quiscale rouilleux	Non	-

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS

STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 5 de 27
Date	Heure début	Durée (min)	Numéro de station
2022-07-06	07:07:00	20	A3

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
07:07:00	9	8	95	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRFA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRGB	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	1.5	-	-	A	PRO
BRPR	1	-	-	-	-	-	-	-	-	-	-	-	A	PRO
BRPR	-	-	-	-	1.5	-	-	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	-	1.5	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
GRCO	-	-	-	-	-	-	-	-	-	-	-	0.5	X	OBS
GRSO	-	0.5	-	-	-	-	-	-	-	-	-	-	H	POS
GRSO	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
GRSO	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
GRSO	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
JAAM	-	-	-	-	0.5	-	-	-	-	-	-	-	H	POS
JUAR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
JUAR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
JUAR	-	-	-	-	0.5	-	-	-	-	-	-	-	H	POS
JUAR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
JUAR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
MOAU	-	-	-	-	-	-	-	0.5	-	-	-	-	H	POS
MOAU	-	-	-	-	-	-	-	-	-	-	0.5	-	A	PRO
PACN	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PACN	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PACN	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACN	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PACR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

ESPÈCES IDENTIFIÉES														
Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
PAJA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	2	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS

REPASSE DE CHANT			
Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
-	-	-	-

Autre commentaire :	-
Description de l'habitat :	TOM

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS

STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 7 de 27
Date	Heure début	Durée (min)	Numéro de station
2022-07-05	07:54:00	20	A4

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
07:54:00	8	7	0	0	N-O	1	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRGB	-	2	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	1.5	-	-	-	-	-	-	-	-	-	-	-	A	PRO
BRLI	-	-	-	1.5	-	-	-	-	-	-	-	-	A	PRO
BRLI	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	A	PRO
BRLI	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	1.5	-	-	A	PRO
BRMA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
GRCA	-	-	0.5	-	-	-	-	-	-	-	-	-	X	OBS
GRSO	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
MOAU	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PACJ	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	0.5	-	-	-	-	-	-	-	-	AT	CON
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAJA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAMA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAVE	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
ROCR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

REPASSE DE CHANT			
Nom de l'espèce	**Espèce aviaire**	**Réponse**	**Commentaires**
-	-	-	-

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS

STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 9 de 27
Date	Heure début	Durée (min)	Numéro de station
2022-07-06	05:27:00	20	A5

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
05:27:00	7	5	40	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRFA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRFA	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRGB	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	2	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRPR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRPR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
GRCO	-	-	-	-	-	1	-	-	-	-	-	-	X	OBS
GRSO	0.5	-	-	-	-	-	-	-	-	-	-	-	H	POS
JUAR	-	1.5	-	-	-	-	-	-	-	-	-	-	S	POS
MEAM	-	-	-	-	-	-	-	-	-	-	0.5	-	H	POS
MOAU	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
MOAU	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
MOAU	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
MOAU	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PACN	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PACN	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PACR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAJA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	2	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAMA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

ESPÈCES IDENTIFIÉES														
Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
PIFL	-	1	-	-	-	-	-	-	-	-	-	-	X	OBS
PLHU	-	-	-	-	-	-	-	-	0.5	-	-	-	X	OBS
VIPH	-	-	-	-	1	-	-	-	-	-	-	-	S	POS

REPASSE DE CHANT			
Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
QURO	Quiscale rouilleux	Non	-
MOCO	Moucherolle à côtés olive	Non	-

Autre commentaire :	-
Description de l'habitat :	TOM

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 11 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	05:26:00	20	A6	
Observateur(s)	Numéro de projet	Projet/Site		Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276		1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
05:26:00	4	2	0	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRFA	2	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRFA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRGB	2	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	3	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	3	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
CRAM	-	-	-	-	-	-	-	-	-	1	-	-	H	POS
GRCO	-	-	1.5	-	-	-	-	-	-	-	-	-	X	OBS
GRSO	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
GRSO	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
GRSO	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
JUAR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
MEAM	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
MEAM	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
MOAU	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
MOAU	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
MOAU	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
MOAU	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
MPAM	-	-	0.5	-	-	-	-	-	-	-	-	-	X	OBS
PACR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAFM	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAJA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

ESPÈCES IDENTIFIÉES														
Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
PAMA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	2	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	1	-	-	-	-	-	A	PRO
PAMA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	1	-	-	A	PRO
PAMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PATC	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PATC	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS

REPASSE DE CHANT			
Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
PACA	Paruline du Canada	Non	-

Autre commentaire :	-
Description de l'habitat :	TOM

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 13 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	06:39:00	20	A7	
Observateur(s)	Numéro de projet	Projet/Site		Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276		1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
06:39:00	5	3	0	0	N-O	1	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRFA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRFA	-	-	-	-	-	-	-	-	-	-	-	1	X	OBS
BRGB	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	2	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	2	-	-	-	-	-	-	-	-	C	PRO
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
GRCO	-	-	-	-	-	-	-	-	-	-	-	0.5	X	OBS
GRSO	0.5	-	-	-	-	-	-	-	-	-	-	-	H	POS
GRSO	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
GRSO	-	-	-	0.5	-	-	-	-	-	-	-	-	H	POS
GRSO	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
GRSO	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
GRSO	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
GRSO	-	-	-	-	-	-	-	-	-	-	2	-	S	POS
JUAR	1	-	-	-	-	-	-	-	-	-	-	-	A	PRO
JUAR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
JUAR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PACR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAMA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
ROCR	-	2	-	-	-	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	2	-	-	-	-	A	PRO
ROCR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

REPASSE DE CHANT			
Nom de l'espèce	**Espèce aviaire**	**Réponse**	**Commentaires**
PACA	Paruline du Canada	Non	-
MOCO	Moucherolle à côtés olive	Non	-
QURO	Quiscale rouilleux	Non	-

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS

STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 15 de 27
Date	Heure début	Durée (min)	Numéro de station
2022-07-05	06:05:00	20	A8

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
06:05:00	5	3	0	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRGB	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	2	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	1	-	-	-	-	-	-	-	-	-	-	-	A	PRO
BRLI	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
GRCO	-	-	0.5	-	-	-	-	-	-	-	-	-	X	OBS
GRCO	-	-	-	-	-	-	-	-	0.5	-	-	-	X	OBS
JUAR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
JUAR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
JUAR	-	-	-	-	-	-	-	-	-	0.5	-	-	A	PRO
PACJ	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PACR	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	2	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAJA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PLHU	-	-	-	-	-	-	-	-	-	-	-	1	X	OBS
ROCR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
ROPO	-	-	0.5	-	-	-	-	-	-	-	-	-	X	OBS

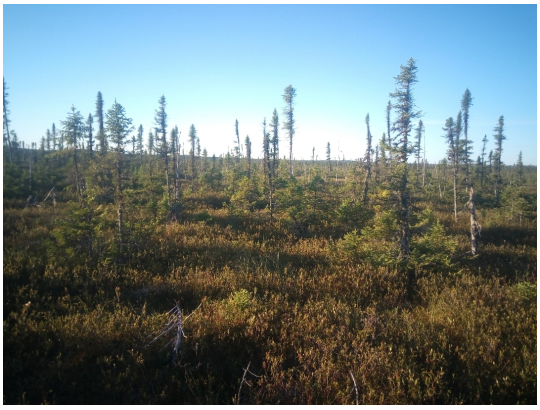
REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
MOCO	Moucherolle à côtés olive	Non	-
PACA	Paruline du Canada	Non	-

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :



Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS

STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 17 de 27
Date	Heure début	Durée (min)	Numéro de station
2022-07-05	08:27:00	20	A9

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
08:27:00	10	9	0	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRGB	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	2	-	-	S	POS
BRMA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRPR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
GRCH	-	-	1.5	-	-	-	-	-	-	-	-	-	X	OBS
GRCH	-	-	-	-	-	1.5	-	-	-	-	-	-	A	PRO
GRCH	-	-	-	-	-	-	-	-	1	-	-	-	A	PRO
GRCH	-	-	-	-	-	-	-	-	-	-	-	0.5	A	PRO
GRCO	-	-	-	-	-	1.5	-	-	-	-	-	-	A	PRO
GRCO	-	-	-	-	-	-	-	-	-	-	-	0.5	A	PRO
HIBI	1	-	-	-	-	-	-	-	-	-	-	-	X	OBS
MOAU	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
PAJA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAMA	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PLHU	-	-	-	-	-	1.5	-	-	-	-	-	-	X	OBS
ROCR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

REPASSE DE CHANT			
Nom de l'espèce	**Espèce aviaire**	**Réponse**	**Commentaires**
QURO	Quiscale rouilleux	Non	-
MOCO	Moucherolle à côtés olive	Non	-
PACA	Paruline du Canada	Non	-

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 19 de 27
	Date	Heure début	Durée (min)	Numéro de station
	2022-07-06	06:31:00	20	A10

Observateur(s)	Numéro de projet	Projet/Site	Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276	1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
06:31:00	8	7	90	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRFA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRMA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRPR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRPR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	1	-	-	-	-	-	S	POS
BRPR	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
GRCO	-	-	-	-	-	0.5	-	-	-	-	-	-	X	OBS
GRSO	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
JUAR	-	-	-	0.5	-	-	-	-	-	-	-	-	H	POS
JUAR	-	-	-	-	-	-	-	-	-	-	0.5	-	H	POS
PACR	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	1	-	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAMA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	1	-	-	-	-	S	POS

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
MOCO	Moucherolle à côtés olive	Non	-
QURO	Quiscale rouilleux	Non	-

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 21 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-06	06:00:00	20	A11	
Observateur(s)	Numéro de projet	Projet/Site		Visite	Habitat :
Patrick Laniel	22-0186	Nemaska Lithium, km276		1ère visite	Tourbière ouverte

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
06:00:00	8	6	60	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
BRGB	-	2	-	-	-	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
BRGB	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
BRLI	1	-	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	2	-	-	-	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	2	-	-	-	-	-	S	POS
BRLI	-	-	-	-	-	-	-	-	-	-	2	-	S	POS
BRMA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	2	-	-	-	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
BRMA	-	-	-	-	-	-	-	-	-	1	-	-	S	POS
BRMA	-	-	-	-	-	-	-	-	-	-	2	-	S	POS
CRAM	-	0.5	-	-	-	-	-	-	-	-	-	-	H	POS
CRAM	-	-	-	-	0.5	-	-	-	-	-	-	-	H	POS
GRCO	-	-	-	-	-	-	-	-	-	-	-	1.5	X	OBS
GRSO	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
JUAR	-	-	-	-	0.5	-	-	-	-	-	-	-	H	POS
MOAU	-	0.5	-	-	-	-	-	-	-	-	-	-	H	POS
MOAU	-	-	-	-	-	-	-	0.5	-	-	-	-	H	POS
MOAU	-	-	-	-	-	-	-	-	-	-	0.5	-	H	POS
PACR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS
PACR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAJA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAJA	-	-	-	-	-	-	-	-	-	-	1	-	S	POS
PAMA	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	2	-	-	-	-	S	POS
PAMA	-	-	-	-	-	-	-	-	-	-	2	-	S	POS
PLHU	-	-	-	-	-	-	-	-	-	-	-	1	X	OBS
ROCR	-	-	-	-	1	-	-	-	-	-	-	-	S	POS
ROCR	-	-	-	-	-	-	-	1	-	-	-	-	S	POS

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

ESPÈCES IDENTIFIÉES														
Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
ROCR	-	-	-	-	-	-	-	-	-	-	1	-	S	POS

REPASSE DE CHANT			
Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
MOCO	Moucherolle à côtés olive	Non	-
QURO	Quiscale rouilleux	Non	-

Autre commentaire :	-
Description de l'habitat :	TOO

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 23 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	21:26:00	10	HIMAENG2	
Observateur(s)	**Numéro de projet**	**Projet/Site**		**Visite**	**Habitat :**
Patrick Laniel	22-0186	Nemaska Lithium, km276		2ème visite	Milieu anthropique

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
21:26:00	11	10	10	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
ENAM	-	1	-	-	-	-	-	-	-	-	-	-	S	POS
ENAM	-	-	-	1	-	-	-	-	-	-	-	-	V	PRO

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
ENBP	Engoulevent bois-pourri	Non	-
HIMA	Hibou des marais	Non	-

Autre commentaire :	Aucun Hima, aucun Enbp
Description de l'habitat :	-

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 24 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	21:48:00	10	HIMAENG1	
Observateur(s)	**Numéro de projet**	**Projet/Site**		**Visite**	**Habitat :**
Patrick Laniel	22-0186	Nemaska Lithium, km276		2ème visite	Milieu anthropique

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
21:48:00	11	10	5	0	N-O	1	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
HIMA	Hibou des marais	Non	-
ENBP	Engoulevent bois-pourri	Non	-
ENAM	Engoulevent d'Amérique	Non	-

Autre commentaire :	Aucun Hima, aucun engoulevent
Description de l'habitat :	-

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 25 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	21:06:00	10	HIMAENG3	
Observateur(s)	**Numéro de projet**	**Projet/Site**		**Visite**	**Habitat :**
Patrick Laniel	22-0186	Nemaska Lithium, km276		1ère visite	Milieu anthropique

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
21:06:00	11	10	20	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
ENAM	-	-	-	-	1	-	-	-	-	-	-	-	S	POS

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
HIMA	Hibou des marais	Non	-
ENBP	Engoulevent bois-pourri	Non	-

Autre commentaire :	Aucun Hima, aucun Enbp
Description de l'habitat :	-

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 26 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	20:47:00	10	HIMAENG2	
Observateur(s)	**Numéro de projet**	**Projet/Site**		**Visite**	**Habitat :**
Patrick Laniel	22-0186	Nemaska Lithium, km276		1ère visite	Milieu anthropique

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
20:47:00	12	11	40	0	Aucune	0	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
HIMA	Hibou des marais	Non	-

Autre commentaire :	Aucun Hima, aucun engoulevent
Description de l'habitat :	-

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

GROUPE SYNERGIS	STATION D'ÉCOUTE - OISEAUX NICHEURS			Page 27 de 27	
	Date	Heure début	Durée (min)	Numéro de station	
	2022-07-05	20:27:00	10	HIMAENG1	
Observateur(s)	**Numéro de projet**	**Projet/Site**		**Visite**	**Habitat :**
Patrick Laniel	22-0186	Nemaska Lithium, km276		1ère visite	Milieu anthropique

CONDITIONS MÉTÉOROLOGIQUES

Heure	Température réelle (°C)	Température ressentie (°C)	Nébulosité (0 à 100%)	Précipitation (0 à 10)	Provenance du vent	Vitesse du vent	Conditions d'observation
20:27:00	13	12	80	0	N-O	1	Excellentes

ESPÈCES IDENTIFIÉES

Code de l'espèce	0-5 min			5-10 min			10-15 min			15-20 min			Indice de nidification	Niveau de certitude
	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station	0-50 m	50-100 m	Hors station		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REPASSE DE CHANT

Nom de l'espèce	Espèce aviaire	Réponse	Commentaires
HIMA	Hibou des marais	Non	-

Autre commentaire :	Aucun Hima, aucun engoulevent
Description de l'habitat :	-

Photo principale de la station :

Vitesse du vent (échelle de Beaufort) :	0 Calme, fumée s'élève verticalement ; 1 1-5 km/h (très légère brise, fumée s'étend tendrement) ; 2 6-11 km/h (feuilles frémissent) ; 3 12-19 km/h (feuilles et rameaux agités) ; 4 20-28 km/h (cheveux et vêtements bougent) ; 5 29-38 km/h (arbustes se balancent)
Niveaux de certitude :	POS = Nidification possible ; PRO = Nidification probable ; CON = Nidification confirmée ; OBS = Espèce observée

Nemaska Ressources

Appendix 5
Chiroptereans
(NMX B8)

FORMULAIRE D'IMPLANTATION D'UNE STATION FIXE

INSTALLATION

Général

N° de la station: Spadumène
Date d'installation: 2022-05-10 (aaaa-mm-jj)
Heure: 19h55
N^os de photos:
Chemin d'accès: Route du Nord

Coord. géographiques (degré décimal): N 51,68947 ; -75,82325 O
Nom des observateurs: 1. Marine Serra-David 2. William Rondeau

prendre photos s.v.p !!

Appareil de détection d'ultrasons

Marque de l'appareil: Anabat Swift
N° de l'appareil: 3
N° de série: 536754
N^os de cartes SD: 5 et 3

Microphones

N° de micro à ultrasons: US-OV3 #5
Hauteur du micro à ultrasons: 3 m
Orientation du micro: vers le camps orienté à l'Est

Alimentation solaire

N° de panneau solaire: 2
Voltage de départ: 12V
N° de batterie: 2

Environnement

Distance du plan d'eau: ≈ 20 m
Distance de la forêt: ≈ 20 m
Taille du plan d'eau:

Description de l'habitat:

Remarques: N-A Station météo: 51.68955 N -75.82507 O

RÉCUPÉRATION

Général

N° de la station: Spadumène
Date de récupération: 2022/10/31 (aaaa-mm-jj)
Heure: 12h30
Remarque: N-A.

Noms des observateurs: 1. Marine Serra-David 2. Émilie Dumas Bernard

Alimentation solaire

Voltage de fin:

Votre gouvernement

Équipe de rétablissement des chauves-souris du Québec

Québec

Appendix 2. Data collected by the meteorological station located at S lake and moon phases which occured during the acoustic bat invento on the Whabouchi mine territory.

Date	Hour	Temperature (°C)	Precipitation (mm)	Wind speed (km/h)
15-06-22	07:59:45	20,079	Na	12,67
15-06-22	08:29:45	21,103	Na	12,67
15-06-22	08:59:45	21,557	Na	14,51
15-06-22	09:29:45	21,963	Na	14,51
15-06-22	09:59:45	22,681	Na	14,51
15-06-22	10:29:45	23,304	Na	14,51
15-06-22	10:59:45	23,352	Na	16,31
15-06-22	11:29:45	23,785	Na	16,31
15-06-22	11:59:45	24,677	Na	14,51
15-06-22	12:29:45	24,46	Na	16,31
15-06-22	12:59:45	24,653	Na	14,51
15-06-22	13:29:45	24,774	Na	14,51
15-06-22	13:59:45	25,065	Na	18,11
15-06-22	14:29:45	24,605	Na	18,11
15-06-22	14:59:45	24,484	Na	14,51
15-06-22	15:29:45	24,75	Na	18,11
15-06-22	15:59:45	24,702	Na	16,31
15-06-22	16:29:45	24,726	Na	16,31
15-06-22	16:59:45	24,388	Na	16,31
15-06-22	17:29:45	24,388	Na	12,67
15-06-22	17:59:45	24,243	Na	12,67
15-06-22	18:29:45	24,026	Na	10,87
15-06-22	18:59:45	23,448	Na	10,87
15-06-22	19:29:45	23,112	Na	3,64
15-06-22	19:59:45	22,729	Na	1,8
15-06-22	20:29:45	22,441	Na	3,64
15-06-22	20:59:45	21,748	Na	1,8
15-06-22	21:29:45	20,698	Na	0
15-06-22	21:59:45	20,96	Na	0
15-06-22	22:29:45	20,722	Na	1,8
15-06-22	22:59:45	20,865	Na	0
15-06-22	23:29:45	20,96	Na	7,24
15-06-22	23:59:45	20,889	Na	9,07
16-06-22	00:29:45	20,817	Na	9,07
16-06-22	00:59:45	20,531	Na	10,87
16-06-22	01:29:45	20,341	Na	12,67
16-06-22	01:59:45	19,96	Na	14,51
16-06-22	02:29:45	19,817	Na	14,51
16-06-22	02:59:45	18,2	Na	18,11

16-06-22	03:29:45	17,534	Na	5,44
16-06-22	03:59:45	17,415	Na	5,44
16-06-22	04:29:45	17,796	Na	7,24
16-06-22	04:59:45	17,938	Na	9,07
16-06-22	05:29:45	18,033	Na	10,87
16-06-22	05:59:45	18,033	Na	19,94
16-06-22	06:29:45	18,557	Na	16,31
16-06-22	06:59:45	18,937	Na	14,51
16-06-22	07:29:45	19,175	Na	12,67
16-06-22	07:59:45	19,555	Na	12,67
16-06-22	08:29:45	19,627	Na	12,67
16-06-22	08:59:45	20,103	Na	10,87
16-06-22	09:29:45	20,627	Na	19,94
16-06-22	09:59:45	20,936	Na	25,38
16-06-22	10:29:45	20,65	Na	21,74
16-06-22	10:59:45	21,008	Na	27,18
16-06-22	11:29:45	21,485	Na	28,98
16-06-22	11:59:45	22,369	Na	30,82
16-06-22	12:29:45	22,465	Na	30,82
16-06-22	12:59:45	22,92	Na	23,54
16-06-22	13:29:45	23,448	Na	25,38
16-06-22	13:59:45	23,665	Na	28,98
16-06-22	14:29:45	23,545	Na	28,98
16-06-22	14:59:45	22,321	Na	28,98
16-06-22	15:29:45	22,513	Na	23,54
16-06-22	15:59:45	23,28	Na	30,82
16-06-22	16:29:45	24,122	Na	25,38
16-06-22	16:59:45	24,629	Na	27,18
16-06-22	17:29:45	25,331	Na	25,38
16-06-22	17:59:45	25,793	Na	23,54
16-06-22	18:29:45	25,598	Na	25,38
16-06-22	18:59:45	24,581	Na	16,31
16-06-22	19:29:45	23,881	Na	10,87
16-06-22	19:59:45	23,713	Na	7,24
16-06-22	20:29:45	23,713	Na	10,87
16-06-22	20:59:45	21,915	Na	12,67
16-06-22	21:29:45	20,293	Na	5,44
16-06-22	21:59:45	18,2	Na	12,67
16-06-22	22:29:45	17,701	Na	7,24
16-06-22	22:59:45	17,724	Na	1,8
16-06-22	23:29:45	17,177	Na	3,64
16-06-22	23:59:45	18,129	Na	9,07
17-06-22	00:29:45	17,558	Na	5,44
17-06-22	00:59:45	17,153	Na	5,44
17-06-22	01:29:45	17,51	Na	7,24
17-06-22	01:59:45	17,51	Na	12,67
17-06-22	02:29:45	16,844	Na	10,87

17-06-22	02:59:45	15,915	Na	5,44
17-06-22	03:29:45	15,39	Na	3,64
17-06-22	03:59:45	14,768	Na	5,44
17-06-22	04:29:45	14,721	Na	5,44
17-06-22	04:59:45	14,505	Na	7,24
17-06-22	05:29:45	14,984	Na	10,87
17-06-22	05:59:45	14,936	Na	12,67
17-06-22	06:29:45	14,936	Na	12,67
17-06-22	06:59:45	13,954	Na	9,07
17-06-22	07:29:45	14,505	Na	9,07
17-06-22	07:59:45	14,577	Na	10,87
17-06-22	08:29:45	14,792	Na	12,67
17-06-22	08:59:45	14,96	Na	10,87
17-06-22	09:29:45	15,247	Na	12,67
17-06-22	09:59:45	15,461	Na	12,67
17-06-22	10:29:45	15,986	Na	9,07
17-06-22	10:59:45	16,82	Na	7,24
17-06-22	11:29:45	12,461	Na	10,87
17-06-22	11:59:45	11,832	Na	10,87
17-06-22	12:29:45	11,2	Na	10,87
17-06-22	12:59:45	10,98	Na	9,07
17-06-22	13:29:45	10,712	Na	9,07
17-06-22	13:59:45	11,273	Na	10,87
17-06-22	14:29:45	11,37	Na	9,07
17-06-22	14:59:45	11,321	Na	9,07
17-06-22	15:29:45	11,832	Na	9,07
17-06-22	15:59:45	12,195	Na	9,07
17-06-22	16:29:45	11,953	Na	9,07
17-06-22	16:59:45	11,467	Na	9,07
17-06-22	17:29:45	10,394	Na	14,51
17-06-22	17:59:45	9,064	Na	10,87
17-06-22	18:29:45	8,419	Na	10,87
17-06-22	18:59:45	8,02	Na	9,07
17-06-22	19:29:45	8,07	Na	5,44
17-06-22	19:59:45	8,145	Na	7,24
17-06-22	20:29:45	8,469	Na	7,24
17-06-22	20:59:45	9,312	Na	5,44
17-06-22	21:29:45	9,312	Na	18,11
17-06-22	21:59:45	9,534	Na	18,11
17-06-22	22:29:45	9,287	Na	18,11
17-06-22	22:59:45	9,46	Na	18,11
17-06-22	23:29:45	9,386	Na	19,94
17-06-22	23:59:45	9,287	Na	16,31
18-06-22	00:29:45	9,04	Na	16,31
18-06-22	00:59:45	8,27	Na	19,94
18-06-22	01:29:45	8,27	Na	19,94
18-06-22	01:59:45	8,12	Na	18,11

18-06-22	02:29:45	8,095	Na	16,31
18-06-22	02:59:45	8,02	Na	14,51
18-06-22	03:29:45	7,217	Na	12,67
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18-07-22	03:59:45	16,701	Na	3,64
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18-07-22	05:29:45	16,654	Na	0
18-07-22	05:59:45	16,725	Na	1,8
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18-07-22	07:29:45	19,103	Na	0
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18-07-22	08:29:45	20,436	Na	3,64
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18-07-22	09:29:45	22,968	Na	3,64
18-07-22	09:59:45	23,256	Na	5,44
18-07-22	10:29:45	23,28	Na	5,44

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18-07-22	12:59:45	24,726	Na	9,07
18-07-22	13:29:45	25,453	Na	5,44
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18-07-22	14:29:45	25,987	Na	9,07
18-07-22	14:59:45	27,014	Na	10,87
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18-07-22	17:29:45	24,895	Na	0
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19-07-22	11:29:45	12,534	Na	9,07
19-07-22	11:59:45	12,775	Na	12,67
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19-07-22	12:59:45	15,891	Na	9,07
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19-07-22	21:59:45	11,467	Na	5,44
19-07-22	22:29:45	10,834	Na	3,64
19-07-22	22:59:45	11,053	Na	3,64
19-07-22	23:29:45	11,102	Na	1,8
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20-07-22	16:59:45	24,267	Na	3,64
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20-07-22	21:59:45	18,628	Na	0
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21-07-22	12:59:45	18,366	Na	5,44
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21-07-22	14:29:45	20,913	Na	1,8
21-07-22	14:59:45	20,484	Na	0
21-07-22	15:29:45	21,175	Na	3,64
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22-07-22	01:59:45	14,577	Na	16,31
22-07-22	02:29:45	14,337	Na	14,51
22-07-22	02:59:45	14,29	Na	16,31
22-07-22	03:29:45	14,361	Na	16,31
22-07-22	03:59:45	14,242	Na	14,51
22-07-22	04:29:45	14,409	Na	12,67
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22-07-22	14:29:45	22,226	Na	10,87
22-07-22	14:59:45	22,872	Na	9,07
22-07-22	15:29:45	21,915	Na	9,07
22-07-22	15:59:45	19,27	Na	7,24
22-07-22	16:29:45	18,129	Na	9,07
22-07-22	16:59:45	17,772	Na	12,67
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23-07-22	07:29:45	16,01	Na	14,51
23-07-22	07:59:45	15,461	Na	12,67

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23-07-22	09:29:45	16,177	Na	14,51
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23-07-22	13:59:45	19,555	Na	9,07
23-07-22	14:29:45	19,056	Na	9,07
23-07-22	14:59:45	20,65	Na	9,07
23-07-22	15:29:45	19,103	Na	7,24
23-07-22	15:59:45	19,627	Na	5,44
23-07-22	16:29:45	19,508	Na	9,07
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24-07-22	06:29:45	15,39	Na	7,24
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24-07-22	10:59:45	16,344	Na	0
24-07-22	11:29:45	18,129	Na	0
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24-07-22	12:29:45	18,866	Na	19,94
24-07-22	12:59:45	18,913	Na	23,54
24-07-22	13:29:31	18,818	Na	21,74
24-07-22	13:59:31	19,127	0,6	18,11
24-07-22	14:29:31	19,841	0	14,51
24-07-22	14:59:31	20,317	0	16,31
24-07-22	15:29:31	19,888	0	19,94
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24-07-22	16:29:31	20,793	0	16,31
24-07-22	16:59:31	18,461	0	10,87
24-07-22	17:29:31	20,031	0	7,24
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25-07-22	01:59:31	12,775	0	0
25-07-22	02:29:31	14,721	0	0
25-07-22	02:59:31	14,601	0	0
25-07-22	03:29:31	14,29	0	1,8
25-07-22	03:59:31	13,978	0	5,44
25-07-22	04:29:31	13,449	0	5,44
25-07-22	04:59:31	12,992	0	1,8
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25-07-22	05:59:31	12,413	0	1,8
25-07-22	06:29:31	12,413	0	3,64
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25-07-22	08:59:31	12,775	0,2	3,64
25-07-22	09:29:31	12,678	0	3,64
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25-07-22	10:29:31	13,112	0,2	5,44
25-07-22	10:59:31	13,714	0	7,24
25-07-22	11:29:31	13,377	0	3,64
25-07-22	11:59:31	15,557	0	7,24
25-07-22	12:29:31	15,915	0	7,24
25-07-22	12:59:31	16,82	0	7,24
25-07-22	13:29:31	16,987	0	9,07
25-07-22	13:59:31	16,773	0	9,07
25-07-22	14:29:31	16,725	0	9,07
25-07-22	14:59:31	16,32	0	7,24
25-07-22	15:29:31	16,773	0	9,07
25-07-22	15:59:31	16,439	0	7,24
25-07-22	16:29:31	17,439	0	5,44
25-07-22	16:59:31	16,534	0	7,24
25-07-22	17:29:31	15,055	0	7,24
25-07-22	17:59:31	15,414	0	7,24
25-07-22	18:29:31	15,891	0	10,87
25-07-22	18:59:31	15,629	0	9,07
25-07-22	19:29:31	15,819	0	7,24
25-07-22	19:59:31	14,266	0	9,07
25-07-22	20:29:31	13,473	0	5,44
25-07-22	20:59:31	12,871	0	5,44
25-07-22	21:29:31	11,88	0	7,24
25-07-22	21:59:31	11,346	0	5,44
25-07-22	22:29:31	10,736	0	7,24
25-07-22	22:59:31	10,59	0	5,44
25-07-22	23:29:31	10,516	0	3,64
25-07-22	23:59:31	10,492	0	3,64
26-07-22	00:29:31	10,271	0	1,8
26-07-22	00:59:31	10,516	0	0
26-07-22	01:29:31	10,736	0	3,64
26-07-22	01:59:31	11,029	0	5,44
26-07-22	02:29:31	11,078	0	5,44
26-07-22	02:59:31	10,614	0	3,64
26-07-22	03:29:31	11,321	0	3,64
26-07-22	03:59:31	11,54	0	5,44
26-07-22	04:29:31	11,492	0	1,8
26-07-22	04:59:31	11,71	0	1,8
26-07-22	05:29:31	12,001	0	1,8
26-07-22	05:59:31	12,364	0	5,44
26-07-22	06:29:31	12,389	0	7,24

26-07-22	06:59:31	12,437	0	3,64
26-07-22	07:29:31	11,856	0	3,64
26-07-22	07:59:31	11,492	0	3,64
26-07-22	08:29:31	10,687	0	5,44
26-07-22	08:59:31	10,687	0	5,44
26-07-22	09:29:31	11,516	0	5,44
26-07-22	09:59:31	11,71	0	5,44
26-07-22	10:29:31	11,613	0	7,24
26-07-22	10:59:31	12,122	0	7,24
26-07-22	11:29:31	12,703	0	7,24
26-07-22	11:59:31	12,485	0	7,24
26-07-22	12:29:31	12,992	0	7,24
26-07-22	12:59:31	12,219	0	7,24
26-07-22	13:29:31	11,686	0	7,24
26-07-22	13:59:31	12,34	0	9,07
26-07-22	14:29:31	12,968	0	7,24
26-07-22	14:59:31	13,762	0	7,24
26-07-22	15:29:31	14,673	0	5,44
26-07-22	15:59:31	14,577	0	5,44
26-07-22	16:29:31	15,079	0	5,44
26-07-22	16:59:31	14,721	0	9,07
26-07-22	17:29:31	14,481	0	9,07
26-07-22	17:59:31	13,906	0	7,24
26-07-22	18:29:31	14,601	0	5,44
26-07-22	18:59:31	14,409	0	5,44
26-07-22	19:29:31	14,697	0	5,44
26-07-22	19:59:31	14,649	0	3,64
26-07-22	20:29:31	14,433	0	5,44
26-07-22	20:59:31	14,29	0	5,44
26-07-22	21:29:31	13,57	0	3,64
26-07-22	21:59:31	12,775	0	1,8
26-07-22	22:29:31	12,147	0	1,8
26-07-22	22:59:31	11,2	0	0
26-07-22	23:29:31	10,883	0	0
26-07-22	23:59:31	10,541	0	0
27-07-22	00:29:31	10,492	0	0
27-07-22	00:59:31	8,319	0	0
27-07-22	01:29:31	6,56	0	0
27-07-22	01:59:31	5,437	0	0
27-07-22	02:29:31	4,869	0	0
27-07-22	02:59:31	4,454	0	0
27-07-22	03:29:31	4,454	0	0
27-07-22	03:59:31	4,428	0	0
27-07-22	04:29:31	4,792	0	0
27-07-22	04:59:31	5,076	0	0
27-07-22	05:29:31	5,128	0	0
27-07-22	05:59:31	8,817	0	0

27-07-22	06:29:31	8,045	0	0
27-07-22	06:59:31	11,832	0	0
27-07-22	07:29:31	12,63	0	0
27-07-22	07:59:31	13,209	0	1,8
27-07-22	08:29:31	14,218	0	1,8
27-07-22	08:59:31	15,414	0	1,8
27-07-22	09:29:31	16,392	0	3,64
27-07-22	09:59:31	16,892	0	5,44
27-07-22	10:29:31	17,368	0	1,8
27-07-22	10:59:31	17,724	0	5,44
27-07-22	11:29:31	18,247	0	7,24
27-07-22	11:59:31	18,842	0	5,44
27-07-22	12:29:31	19,603	0	7,24
27-07-22	12:59:31	20,436	0	5,44
27-07-22	13:29:31	20,627	0	7,24
27-07-22	13:59:31	21,915	0	7,24
27-07-22	14:29:31	22,417	0	9,07
27-07-22	14:59:31	24,508	0	5,44
27-07-22	15:29:31	24,992	0	3,64
27-07-22	15:59:31	24,436	0	3,64
27-07-22	16:29:31	24,484	0	5,44
27-07-22	16:59:31	24,122	0	9,07
27-07-22	17:29:31	23,184	0	9,07
27-07-22	17:59:31	22,824	0	3,64
27-07-22	18:29:31	23,16	0	0
27-07-22	18:59:31	22,417	0	0
27-07-22	19:29:31	21,939	0	3,64
27-07-22	19:59:31	21,795	0	0
27-07-22	20:29:31	20,65	0	0
27-07-22	20:59:31	20,126	0	0
27-07-22	21:29:31	19,793	0	0
27-07-22	21:59:31	18,271	0	0
27-07-22	22:29:31	18,295	0	0
27-07-22	22:59:31	17,272	0	0
27-07-22	23:29:31	17,249	0	0
27-07-22	23:59:31	19,032	0	0
28-07-22	00:29:31	19,46	0	1,8
28-07-22	00:59:31	19,318	0	1,8
28-07-22	01:29:31	19,27	0	1,8
28-07-22	01:59:31	19,222	0	1,8
28-07-22	02:29:31	18,295	0	0
28-07-22	02:59:31	18,794	0	1,8
28-07-22	03:29:31	18,295	0	1,8
28-07-22	03:59:31	18,247	0	3,64
28-07-22	04:29:31	17,938	0	3,64
28-07-22	04:59:31	16,249	0	0
28-07-22	05:29:31	17,153	0	0

28-07-22	05:59:31	17,225	0	0
28-07-22	06:29:31	17,106	0	0
28-07-22	06:59:31	17,177	0	1,8
28-07-22	07:29:31	18,319	0	3,64
28-07-22	07:59:31	18,889	0	5,44
28-07-22	08:29:31	19,508	0	12,67
28-07-22	08:59:31	19,46	0	12,67
28-07-22	09:29:31	19,912	0	18,11
28-07-22	09:59:31	19,746	0	16,31
28-07-22	10:29:31	19,627	0	14,51
28-07-22	10:59:31	19,888	0	12,67
28-07-22	11:29:31	19,912	0	14,51
28-07-22	11:59:31	20,055	0	14,51
28-07-22	12:29:31	20,96	0	10,87
28-07-22	12:59:31	21,509	0	16,31
28-07-22	13:29:31	21,987	0	12,67
28-07-22	13:59:31	22,753	0	10,87
28-07-22	14:29:31	24,002	0	7,24
28-07-22	14:59:31	22,992	0	7,24
28-07-22	15:29:31	20,674	0	5,44
28-07-22	15:59:31	16,034	2,8	5,44
28-07-22	16:29:31	17,558	0	0
28-07-22	16:59:31	17,486	0	1,8
28-07-22	17:29:31	17,153	0	0
28-07-22	17:59:31	17,249	0	5,44
28-07-22	18:29:31	16,654	0	1,8
28-07-22	18:59:31	16,32	0,2	0
28-07-22	19:29:31	16,32	0,2	0
28-07-22	19:59:31	16,201	0	0
28-07-22	20:29:31	16,082	0	0
28-07-22	20:59:31	16,082	0	0
28-07-22	21:29:31	16,01	0	0
28-07-22	21:59:31	15,796	0	0
28-07-22	22:29:31	16,01	0	0
28-07-22	22:59:31	16,201	0,2	0
28-07-22	23:29:31	16,415	0	1,8
28-07-22	23:59:31	15,796	0,2	0
29-07-22	00:29:31	16,01	0	0
29-07-22	00:59:31	16,129	0	5,44
29-07-22	01:29:31	15,724	0	5,44
29-07-22	01:59:31	15,533	0,2	5,44
29-07-22	02:29:31	15,581	0	7,24
29-07-22	02:59:31	15,867	0	9,07
29-07-22	03:29:31	15,509	0	5,44
29-07-22	03:59:31	15,605	0	5,44
29-07-22	04:29:31	15,676	0	9,07
29-07-22	04:59:31	15,151	0	9,07

29-07-22	05:29:31	15,031	0	10,87
29-07-22	05:59:31	14,481	0	12,67
29-07-22	06:29:31	14,337	0	9,07
29-07-22	06:59:31	14,409	0	9,07
29-07-22	07:29:31	14,768	0	5,44
29-07-22	07:59:31	14,768	0	10,87
29-07-22	08:29:31	15,247	0	10,87
29-07-22	08:59:31	15,39	0	12,67
29-07-22	09:29:31	15,151	0	10,87
29-07-22	09:59:31	15,629	0	5,44
29-07-22	10:29:31	14,84	0	7,24
29-07-22	10:59:31	16,392	0	7,24
29-07-22	11:29:31	16,344	0	10,87
29-07-22	11:59:31	16,868	0	12,67
29-07-22	12:29:31	15,724	0	9,07
29-07-22	12:59:31	15,103	0,2	9,07
29-07-22	13:29:31	15,27	0,2	9,07
29-07-22	13:59:31	15,008	0,2	9,07
29-07-22	14:29:31	14,96	0	9,07
29-07-22	14:59:31	15,27	0	7,24
29-07-22	15:29:31	15,223	0	5,44
29-07-22	15:59:31	15,175	0	5,44
29-07-22	16:29:31	15,509	0	3,64
29-07-22	16:59:31	16,106	0	1,8
29-07-22	17:29:31	16,439	0	3,64
29-07-22	17:59:31	16,511	0	5,44
29-07-22	18:29:31	16,701	0	1,8
29-07-22	18:59:31	16,392	0	1,8
29-07-22	19:29:31	16,368	0	0
29-07-22	19:59:31	16,368	0	1,8
29-07-22	20:29:31	15,986	0	1,8
29-07-22	20:59:31	15,318	0	0
29-07-22	21:29:31	15,199	0	1,8
29-07-22	21:59:31	14,864	0	1,8
29-07-22	22:29:31	14,625	0	1,8
29-07-22	22:59:31	14,074	0	3,64
29-07-22	23:29:31	13,69	0	5,44
29-07-22	23:59:31	13,209	0	5,44
30-07-22	00:29:31	12,92	0	1,8
30-07-22	00:59:31	12,678	0	3,64
30-07-22	01:29:31	12,485	0	3,64
30-07-22	01:59:31	12,389	0	3,64
30-07-22	02:29:31	12,485	0	1,8
30-07-22	02:59:31	12,025	0	3,64
30-07-22	03:29:31	11,589	0	3,64
30-07-22	03:59:31	11,589	0	3,64
30-07-22	04:29:31	11,151	0	3,64

30-07-22	04:59:31	11,029	0	1,8
30-07-22	05:29:31	11,053	0	1,8
30-07-22	05:59:31	10,98	0	1,8
30-07-22	06:29:31	11,175	0	1,8
30-07-22	06:59:31	11,686	0	1,8
30-07-22	07:29:31	13,594	0	1,8
30-07-22	07:59:31	12,727	0	3,64
30-07-22	08:29:31	12,558	0	3,64
30-07-22	08:59:31	12,606	0	3,64
30-07-22	09:29:31	13,088	0	3,64
30-07-22	09:59:31	13,738	0	3,64
30-07-22	10:29:31	14,194	0	5,44
30-07-22	10:59:31	15,055	0	7,24
30-07-22	11:29:31	15,485	0	5,44
30-07-22	11:59:31	15,915	0	7,24
30-07-22	12:29:31	16,511	0	7,24
30-07-22	12:59:31	17,106	0	7,24
30-07-22	13:29:31	17,891	0	7,24
30-07-22	13:59:31	17,986	0	7,24
30-07-22	14:29:31	17,938	0	5,44
30-07-22	14:59:31	17,891	0	7,24
30-07-22	15:29:31	17,653	0	7,24
30-07-22	15:59:31	17,534	0	5,44
30-07-22	16:29:31	17,724	0	5,44
30-07-22	16:59:31	17,653	0	5,44
30-07-22	17:29:31	18,01	0	5,44
30-07-22	17:59:31	17,653	0	5,44
30-07-22	18:29:31	17,011	0	3,64
30-07-22	18:59:31	17,391	0	3,64
30-07-22	19:29:31	17,415	0	3,64
30-07-22	19:59:31	17,13	0	3,64
30-07-22	20:29:31	16,725	0	3,64
30-07-22	20:59:31	16,01	0	3,64
30-07-22	21:29:31	15,724	0	1,8
30-07-22	21:59:31	14,96	0	1,8
30-07-22	22:29:31	14,266	0	1,8
30-07-22	22:59:31	13,666	0	0
30-07-22	23:29:31	13,401	0	0
30-07-22	23:59:31	12,992	0	1,8
31-07-22	00:29:31	12,654	0	1,8
31-07-22	00:59:31	12,098	0	1,8
31-07-22	01:29:31	11,953	0	1,8
31-07-22	01:59:31	11,346	0	1,8
31-07-22	02:29:31	11,613	0	0
31-07-22	02:59:31	11,346	0	0
31-07-22	03:29:31	11,102	0,2	0
31-07-22	03:59:31	10,907	0	0

31-07-22	04:29:31	10,98	0	0
31-07-22	04:59:31	10,712	0,2	0
31-07-22	05:29:31	11,175	0	0
31-07-22	05:59:31	11,029	0,2	0
31-07-22	06:29:31	10,541	0,4	3,64
31-07-22	06:59:31	10,075	0,4	0
31-07-22	07:29:31	9,928	0,8	0
31-07-22	07:59:31	9,78	2	0
31-07-22	08:29:31	9,903	0,8	0
31-07-22	08:59:31	10,296	0,6	0
31-07-22	09:29:31	9,805	1	0
31-07-22	09:59:31	9,854	1,2	0
31-07-22	10:29:31	9,903	1,8	0
31-07-22	10:59:31	10,075	0,6	0
31-07-22	11:29:31	10,001	0,6	0
31-07-22	11:59:31	10,492	0,2	0
31-07-22	12:29:31	10,907	0	0
31-07-22	12:59:31	11,297	0	0
31-07-22	13:29:31	11,127	0	0
31-07-22	13:59:31	11,346	0	0
31-07-22	14:29:31	11,953	0,2	0
31-07-22	14:59:31	12,147	0	0
31-07-22	15:29:31	12,654	0	0
31-07-22	15:59:31	13,185	0	0
31-07-22	16:29:31	12,896	0	1,8
31-07-22	16:59:31	12,896	0	0
31-07-22	17:29:31	12,171	0,2	0
31-07-22	17:59:31	12,195	0,8	0
31-07-22	18:29:31	12,461	0,4	0
31-07-22	18:59:31	12,219	0	0
31-07-22	19:29:31	12,001	0	0
31-07-22	19:59:31	11,856	0,4	0
31-07-22	20:29:31	11,734	0	0
31-07-22	20:59:31	11,904	0	0
31-07-22	21:29:31	11,686	0	0
31-07-22	21:59:31	11,565	0	0
31-07-22	22:29:31	11,589	0	0
31-07-22	22:59:31	11,492	0,2	0
31-07-22	23:29:31	11,71	0	0
31-07-22	23:59:31	11,2	0	0
01-08-22	00:29:31	11,151	0	0
01-08-22	00:59:31	11,151	0	0
01-08-22	01:29:31	11,175	0	0
01-08-22	01:59:31	11,2	0,2	0
01-08-22	02:29:31	11,297	1	3,64
01-08-22	02:59:31	11,37	1,2	1,8
01-08-22	03:29:31	11,394	2,4	5,44

01-08-22	03:59:31	11,297	1	5,44
01-08-22	04:29:31	11,2	1,4	7,24
01-08-22	04:59:31	11,078	0,8	5,44
01-08-22	05:29:31	11,005	0,2	7,24
01-08-22	05:59:31	11,102	0,2	3,64
01-08-22	06:29:31	11,127	0,2	3,64
01-08-22	06:59:31	10,932	0	5,44
01-08-22	07:29:31	11,029	0	5,44
01-08-22	07:59:31	11,248	0	3,64
01-08-22	08:29:31	11,2	0,2	5,44
01-08-22	08:59:31	11,346	0	5,44
01-08-22	09:29:31	11,54	0,2	3,64
01-08-22	09:59:31	11,759	0,4	1,8
01-08-22	10:29:31	11,904	0	0
01-08-22	10:59:31	11,88	0,4	3,64
01-08-22	11:29:31	12,122	2,2	1,8
01-08-22	11:59:31	12,413	1,2	3,64
01-08-22	12:29:31	12,727	0	1,8
01-08-22	12:59:31	12,992	0	1,8
01-08-22	13:29:31	13,305	0,6	0
01-08-22	13:59:31	13,377	0,6	3,64
01-08-22	14:29:31	13,449	4,2	5,44
01-08-22	14:59:31	13,401	1,6	5,44
01-08-22	15:29:31	13,57	1,2	3,64
01-08-22	15:59:31	13,834	0,4	3,64
01-08-22	16:29:31	13,93	1,2	1,8
01-08-22	16:59:31	13,978	2	1,8
01-08-22	17:29:31	13,858	2,8	1,8
01-08-22	17:59:31	13,69	1,6	1,8
01-08-22	18:29:31	13,57	2,4	3,64
01-08-22	18:59:31	13,449	1,2	3,64
01-08-22	19:29:31	13,762	1,6	0
01-08-22	19:59:31	13,786	1,8	0
01-08-22	20:29:31	13,666	1	1,8
01-08-22	20:59:31	13,305	0,8	7,24
01-08-22	21:29:31	13,209	0	7,24
01-08-22	21:59:31	13,088	0,4	9,07
01-08-22	22:29:31	12,92	0,2	5,44
01-08-22	22:59:31	12,775	0	7,24
01-08-22	23:29:31	12,413	0,2	5,44
01-08-22	23:59:31	12,219	0,2	7,24
02-08-22	00:29:31	12,025	0	7,24
02-08-22	00:59:31	11,88	0	7,24
02-08-22	01:29:31	11,759	0	7,24
02-08-22	01:59:31	11,419	0	9,07
02-08-22	02:29:31	11,224	0	5,44
02-08-22	02:59:31	11,2	0	7,24

02-08-22	03:29:31	11,127	0	7,24
02-08-22	03:59:31	11,005	0	9,07
02-08-22	04:29:31	10,59	0	7,24
02-08-22	04:59:31	10,614	0	5,44
02-08-22	05:29:31	10,173	0	5,44
02-08-22	05:59:31	10,026	0	5,44
02-08-22	06:29:31	10,467	0	5,44
02-08-22	06:59:31	12,171	0	5,44
02-08-22	07:29:31	13,497	0	7,24
02-08-22	07:59:31	13,954	0	7,24
02-08-22	08:29:31	14,505	0	7,24
02-08-22	08:59:31	14,984	0	9,07
02-08-22	09:29:31	15,414	0	9,07
02-08-22	09:59:31	16,153	0	9,07
02-08-22	10:29:31	17,819	0	9,07
02-08-22	10:59:31	16,82	0	9,07
02-08-22	11:29:31	18,628	0	9,07
02-08-22	11:59:31	18,889	0	9,07
02-08-22	12:29:31	19,222	0	9,07
02-08-22	12:59:31	20,269	0	7,24
02-08-22	13:29:31	19,103	0	9,07
02-08-22	13:59:31	18,343	0	7,24
02-08-22	14:29:31	20,984	0	7,24
02-08-22	14:59:31	19,27	0	7,24
02-08-22	15:29:31	21,032	0	7,24
02-08-22	15:59:31	18,343	0	7,24
02-08-22	16:29:31	18,723	0	5,44
02-08-22	16:59:31	20,246	0	3,64
02-08-22	17:29:31	20,603	0	3,64
02-08-22	17:59:31	19,96	0	5,44
02-08-22	18:29:31	19,603	0	5,44
02-08-22	18:59:31	19,127	0	3,64
02-08-22	19:29:31	18,461	0	1,8
02-08-22	19:59:31	17,51	0	0
02-08-22	20:29:31	15,031	0	0
02-08-22	20:59:31	12,582	0	0
02-08-22	21:29:31	8,965	0	0
02-08-22	21:59:31	7,544	0	0
02-08-22	22:29:31	7,041	0	0
02-08-22	22:59:31	5,975	0	0
02-08-22	23:29:31	5,693	0	0
02-08-22	23:59:31	5,488	0	0
03-08-22	00:29:31	5,796	0	0
03-08-22	00:59:31	4,999	0	0
03-08-22	01:29:31	4,376	0	0
03-08-22	01:59:31	5,719	0	0
03-08-22	02:29:31	5,257	0	0

03-08-22	02:59:31	4,947	0	0
03-08-22	03:29:31	5,024	0	0
03-08-22	03:59:31	4,376	0	0
03-08-22	04:29:31	4,74	0	0
03-08-22	04:59:31	11,54	0	5,44
03-08-22	05:29:31	11,662	0	3,64
03-08-22	05:59:31	11,734	0	5,44
03-08-22	06:29:31	12,171	0	5,44
03-08-22	06:59:31	13,377	0	7,24
03-08-22	07:29:31	14,29	0	7,24
03-08-22	07:59:31	14,96	0	10,87
03-08-22	08:29:31	16,606	0	10,87
03-08-22	08:59:31	17,344	0	16,31
03-08-22	09:29:31	18,319	0	21,74
03-08-22	09:59:31	18,747	0	28,98
03-08-22	10:29:31	18,913	0	30,82
03-08-22	10:59:31	18,699	0	30,82
03-08-22	11:29:31	18,842	0	28,98
03-08-22	11:59:31	18,438	0	21,74
03-08-22	12:29:31	18,509	0	30,82
03-08-22	12:59:31	18,081	0	32,62
03-08-22	13:29:31	17,867	0	28,98
03-08-22	13:59:31	17,867	0	25,38
03-08-22	14:29:31	16,272	0	34,42
03-08-22	14:59:31	14,05	2,2	27,18
03-08-22	15:29:31	14,337	2	23,54
03-08-22	15:59:31	14,673	0,2	27,18
03-08-22	16:29:31	14,314	0	32,62
03-08-22	16:59:31	14,361	0	30,82
03-08-22	17:29:31	14,433	0	28,98
03-08-22	17:59:31	14,481	0	27,18
03-08-22	18:29:31	14,577	0	28,98
03-08-22	18:59:31	14,888	0	27,18
03-08-22	19:29:31	15,294	0	25,38
03-08-22	19:59:31	15,605	0	25,38
03-08-22	20:29:31	15,843	0	21,74
03-08-22	20:59:31	16,106	0	19,94
03-08-22	21:29:31	16,272	0	19,94
03-08-22	21:59:31	16,439	0	19,94
03-08-22	22:29:31	16,654	0	19,94
03-08-22	22:59:31	16,463	0	10,87
03-08-22	23:29:31	16,415	0,2	3,64
03-08-22	23:59:31	16,153	0,2	3,64
04-08-22	00:29:31	14,984	0	5,44
04-08-22	00:59:31	13,137	0,2	7,24
04-08-22	01:29:31	10,81	0	10,87
04-08-22	01:59:31	10,492	0	10,87

04-08-22	02:29:31	10,345	0	7,24
04-08-22	02:59:31	10,051	0	5,44
04-08-22	03:29:31	9,78	0	7,24
04-08-22	03:59:31	9,188	0	5,44
04-08-22	04:29:31	8,27	0	7,24
04-08-22	04:59:31	8,145	0	3,64
04-08-22	05:29:31	8,095	0	5,44
04-08-22	05:59:31	8,195	0	3,64
04-08-22	06:29:31	8,444	0	3,64
04-08-22	06:59:31	8,643	0	3,64
04-08-22	07:29:31	9,114	0	1,8
04-08-22	07:59:31	9,928	0	1,8
04-08-22	08:29:31	9,509	0	3,64
04-08-22	08:59:31	10,026	0	1,8
04-08-22	09:29:31	10,516	0	3,64
04-08-22	09:59:31	11,807	0	3,64
04-08-22	10:29:31	13,305	0	5,44
04-08-22	10:59:31	14,122	0	5,44
04-08-22	11:29:31	15,438	0	5,44
04-08-22	11:59:31	16,392	0	9,07
04-08-22	12:29:31	16,582	0	9,07
04-08-22	12:59:31	16,82	0	7,24
04-08-22	13:29:31	15,294	0	7,24
04-08-22	13:59:31	15,986	0	5,44
04-08-22	14:29:31	16,868	0	3,64
04-08-22	14:59:31	16,106	0	5,44
04-08-22	15:29:31	17,558	0	3,64
04-08-22	15:59:31	17,486	0	1,8
04-08-22	16:29:31	17,368	0	3,64
04-08-22	16:59:31	17,439	0	3,64
04-08-22	17:29:31	17,368	0	3,64
04-08-22	17:59:31	15,485	0	7,24
04-08-22	18:29:31	16,368	0	3,64
04-08-22	18:59:31	16,463	0	3,64
04-08-22	19:29:31	14,984	0	3,64
04-08-22	19:59:31	15,151	0	0
04-08-22	20:29:31	13,906	0	0
04-08-22	20:59:31	13,112	0	0
04-08-22	21:29:31	11,053	0	0
04-08-22	21:59:31	10,492	0	0
04-08-22	22:29:31	7,87	0	0
04-08-22	22:59:31	7,142	0	0
04-08-22	23:29:31	6,535	0	0
04-08-22	23:59:31	5,539	0	0
05-08-22	00:29:31	6,535	0	0
05-08-22	00:59:31	5,642	0	0
05-08-22	01:29:31	6,306	0	0

05-08-22	01:59:31	6,94	0	0
05-08-22	02:29:31	6,357	0	0
05-08-22	02:59:31	4,714	0	0
05-08-22	03:29:31	4,74	0	0
05-08-22	03:59:31	4,61	0	0
05-08-22	04:29:31	4,376	0	0
05-08-22	04:59:31	4,869	0	0
05-08-22	05:29:31	5,076	0	0
05-08-22	05:59:31	6,737	0	0
05-08-22	06:29:31	8,99	0	0
05-08-22	06:59:31	11,029	0	0
05-08-22	07:29:31	13,906	0	0
05-08-22	07:59:31	14,29	0	1,8
05-08-22	08:29:31	15,819	0	1,8
05-08-22	08:59:31	16,153	0	3,64
05-08-22	09:29:31	16,939	0	3,64
05-08-22	09:59:31	18,224	0	3,64
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05-08-22	10:59:31	20,126	0	7,24
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05-08-22	11:59:31	20,484	0	9,07
05-08-22	12:29:31	20,603	0	7,24
05-08-22	12:59:31	21,939	0	5,44
05-08-22	13:29:31	21,246	0	7,24
05-08-22	13:59:31	22,202	0	5,44
05-08-22	14:29:31	22,872	0	7,24
05-08-22	14:59:31	22,561	0	7,24
05-08-22	15:29:31	21,652	0	7,24
05-08-22	15:59:31	22,8	0	7,24
05-08-22	16:29:31	23,4	0	3,64
05-08-22	16:59:31	21,748	0	5,44
05-08-22	17:29:31	22,537	0	3,64
05-08-22	17:59:31	22,058	0	3,64
05-08-22	18:29:31	21,318	0	3,64
05-08-22	18:59:31	20,412	0	7,24
05-08-22	19:29:31	20,531	0	7,24
05-08-22	19:59:31	19,77	0	5,44
05-08-22	20:29:31	18,771	0	1,8
05-08-22	20:59:31	16,749	0	0
05-08-22	21:29:31	15,318	0	0
05-08-22	21:59:31	15,031	0	0
05-08-22	22:29:31	17,986	0	3,64
05-08-22	22:59:31	18,2	0	5,44
05-08-22	23:29:31	18,224	0	9,07
05-08-22	23:59:31	18,152	0	10,87
06-08-22	00:29:31	18,366	0	14,51
06-08-22	00:59:31	18,604	0	16,31

06-08-22	01:29:31	18,794	0	18,11
06-08-22	01:59:31	18,58	0	16,31
06-08-22	02:29:31	18,913	0	16,31
06-08-22	02:59:31	18,985	0	19,94
06-08-22	03:29:31	18,985	0	21,74
06-08-22	03:59:31	19,008	0	19,94
06-08-22	04:29:31	19,222	0	18,11
06-08-22	04:59:31	19,222	0	21,74
06-08-22	05:29:31	19,27	0	23,54
06-08-22	05:59:31	19,008	0	21,74
06-08-22	06:29:31	19,032	0	23,54
06-08-22	06:59:31	19,199	0	25,38
06-08-22	07:29:31	19,08	0	25,38
06-08-22	07:59:31	19,175	0	25,38
06-08-22	08:29:31	19,103	0	30,82
06-08-22	08:59:31	19,246	0	28,98
06-08-22	09:29:31	19,127	0	25,38
06-08-22	09:59:31	19,508	0	21,74
06-08-22	10:29:31	19,318	0	21,74
06-08-22	10:59:31	20,198	0	19,94
06-08-22	11:29:31	20,317	0	21,74
06-08-22	11:59:31	19,555	0	25,38
06-08-22	12:29:31	20,293	0	25,38
06-08-22	12:59:31	19,27	0	30,82
06-08-22	13:29:31	19,365	0	19,94
06-08-22	13:59:31	19,912	0,2	16,31
06-08-22	14:29:31	17,272	5,6	10,87
06-08-22	14:59:31	17,582	4	12,67
06-08-22	15:29:31	17,867	1,8	14,51
06-08-22	15:59:31	18,01	1,2	12,67
06-08-22	16:29:31	18,723	0,2	14,51
06-08-22	16:59:31	19,222	0	16,31
06-08-22	17:29:31	20,96	0	19,94
06-08-22	17:59:31	21,676	0,2	25,38
06-08-22	18:29:31	21,867	0	19,94
06-08-22	18:59:31	21,557	0	19,94
06-08-22	19:29:31	21,819	0	18,11
06-08-22	19:59:31	21,39	0	18,11
06-08-22	20:29:31	21,079	0	14,51
06-08-22	20:59:31	21,509	0	18,11
06-08-22	21:29:31	17,772	8,6	12,67
06-08-22	21:59:31	17,439	0,2	5,44
06-08-22	22:29:31	17,32	0	3,64
06-08-22	22:59:31	15,676	0	9,07
06-08-22	23:29:31	14,17	0	9,07
06-08-22	23:59:31	13,088	0	9,07
07-08-22	00:29:31	12,63	0	3,64

07-08-22	00:59:31	12,316	0	5,44
07-08-22	01:29:31	11,589	0	7,24
07-08-22	01:59:31	11,394	0	7,24
07-08-22	02:29:31	10,687	0	10,87
07-08-22	02:59:31	10,369	0	10,87
07-08-22	03:29:31	9,903	0	10,87
07-08-22	03:59:31	9,386	0	9,07
07-08-22	04:29:31	9,46	0	7,24
07-08-22	04:59:31	9,064	0	9,07
07-08-22	05:29:31	9,312	0	9,07
07-08-22	05:59:31	9,238	0	9,07
07-08-22	06:29:31	8,742	0	7,24
07-08-22	06:59:31	8,444	0	7,24
07-08-22	07:29:31	8,245	0	7,24
07-08-22	07:59:31	8,045	0	10,87
07-08-22	08:29:31	8,319	0	9,07
07-08-22	08:59:31	8,99	0	9,07
07-08-22	09:29:31	11,053	0	7,24
07-08-22	09:59:31	12,098	0	9,07
07-08-22	10:29:31	13,281	0	7,24
07-08-22	10:59:31	14,697	0	9,07
07-08-22	11:29:31	15,557	0	7,24
07-08-22	11:59:31	15,533	0	10,87
07-08-22	12:29:31	15,748	0	10,87
07-08-22	12:59:31	15,986	0	10,87
07-08-22	13:29:31	16,654	0	10,87
07-08-22	13:59:31	16,296	0	12,67
07-08-22	14:29:31	16,701	0	9,07
07-08-22	14:59:31	17,058	0	9,07
07-08-22	15:29:31	17,153	0	10,87
07-08-22	15:59:31	17,843	0	9,07
07-08-22	16:29:31	17,344	0	9,07
07-08-22	16:59:31	17,32	0	10,87
07-08-22	17:29:31	17,011	0	10,87
07-08-22	17:59:31	16,987	0	9,07
07-08-22	18:29:31	16,534	0	7,24
07-08-22	18:59:31	15,986	0	9,07
07-08-22	19:29:31	15,533	0	7,24
07-08-22	19:59:31	14,242	0	3,64
07-08-22	20:29:31	12,292	0	1,8
07-08-22	20:59:31	8,965	0	0
07-08-22	21:29:31	9,632	0	0
07-08-22	21:59:31	8,095	0	0
07-08-22	22:29:31	6	0	0
07-08-22	22:59:31	7,242	0	0
07-08-22	23:29:31	8,419	0	0
07-08-22	23:59:31	8,344	0	0

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08-08-22	00:59:31	5,591	0	0
08-08-22	01:29:31	3,775	0	0
08-08-22	01:59:31	3,168	0	0
08-08-22	02:29:31	3,485	0	0
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08-08-22	05:29:31	1,832	0	0
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08-08-22	06:29:31	2,101	0	0
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08-08-22	08:29:31	12,389	0	0
08-08-22	08:59:31	13,257	0	0
08-08-22	09:29:31	14,721	0	0
08-08-22	09:59:31	14,912	0	1,8
08-08-22	10:29:31	14,84	0	3,64
08-08-22	10:59:31	15,724	0	1,8
08-08-22	11:29:31	15,939	0	0
08-08-22	11:59:31	15,652	0	0
08-08-22	12:29:31	15,915	0	0
08-08-22	12:59:31	16,534	0	0
08-08-22	13:29:31	16,892	0	0
08-08-22	13:59:31	16,558	0	0
08-08-22	14:29:31	16,82	0	0
08-08-22	14:59:31	16,939	0	0
08-08-22	15:29:31	16,987	0	0
08-08-22	15:59:31	16,344	0	3,64
08-08-22	16:29:31	16,558	0	1,8
08-08-22	16:59:31	16,177	0	1,8
08-08-22	17:29:31	16,01	0	0
08-08-22	17:59:31	15,294	0	0
08-08-22	18:29:31	14,984	0	0
08-08-22	18:59:31	14,984	0	0
08-08-22	19:29:31	14,577	0	0
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08-08-22	21:59:31	5,872	0	0
08-08-22	22:29:31	5,565	0	0
08-08-22	22:59:31	3,985	0	0
08-08-22	23:29:31	3,854	0	0

08-08-22	23:59:31	4,115	0	0
09-08-22	00:29:31	3,906	0	0
09-08-22	00:59:31	3,063	0	0
09-08-22	01:29:31	2,236	0	0
09-08-22	01:59:31	2,047	0	0
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09-08-22	03:59:31	1,588	0	0
09-08-22	04:29:31	1,48	0	0
09-08-22	04:59:31	0,989	0	0
09-08-22	05:29:31	0,742	0	0
09-08-22	05:59:31	0,742	0	0
09-08-22	06:29:31	2,69	0	0
09-08-22	06:59:31	5,282	0	0
09-08-22	07:29:31	7,72	0	0
09-08-22	07:59:31	10,467	0	0
09-08-22	08:29:31	11,224	0	0
09-08-22	08:59:31	12,485	0	0
09-08-22	09:29:31	14,433	0	1,8
09-08-22	09:59:31	16,01	0	1,8
09-08-22	10:29:31	17,605	0	1,8
09-08-22	10:59:31	17,32	0	5,44
09-08-22	11:29:31	17,867	0	5,44
09-08-22	11:59:31	19,508	0	5,44
09-08-22	12:29:31	19,294	0	9,07
09-08-22	12:59:31	20,246	0	7,24
09-08-22	13:29:31	20,222	0	9,07
09-08-22	13:59:31	20,913	0	10,87
09-08-22	14:29:31	21,294	0	10,87
09-08-22	14:59:31	21,199	0	14,51
09-08-22	15:29:31	21,509	0	14,51
09-08-22	15:59:31	21,772	0	16,31
09-08-22	16:29:31	22,345	0	18,11
09-08-22	16:59:31	22,226	0	19,94
09-08-22	17:29:31	22,274	0	19,94
09-08-22	17:59:31	22,345	0	21,74
09-08-22	18:29:31	22,321	0	23,54
09-08-22	18:59:31	22,082	0	23,54
09-08-22	19:29:31	21,7	0	21,74
09-08-22	19:59:31	21,533	0	18,11
09-08-22	20:29:31	20,531	0	14,51
09-08-22	20:59:31	19,436	0	12,67
09-08-22	21:29:31	18,723	0	10,87
09-08-22	21:59:31	18,818	0	16,31
09-08-22	22:29:31	18,366	0	12,67
09-08-22	22:59:31	18,438	0	10,87

09-08-22	23:29:31	18,794	0	16,31
09-08-22	23:59:31	19,056	0	21,74
10-08-22	00:29:31	19,27	0	19,94
10-08-22	00:59:31	19,413	0	23,54
10-08-22	01:29:31	19,222	0	21,74
10-08-22	01:59:31	19,199	0	25,38
10-08-22	02:29:31	19,341	0	28,98
10-08-22	02:59:31	19,127	0	30,82
10-08-22	03:29:31	18,652	0	27,18
10-08-22	03:59:31	18,366	0	25,38
10-08-22	04:29:31	17,843	0	19,94
10-08-22	04:59:31	17,819	0	16,31
10-08-22	05:29:31	17,653	0	16,31
10-08-22	05:59:31	17,32	0	12,67
10-08-22	06:29:31	17,439	0	12,67
10-08-22	06:59:31	17,701	0	12,67
10-08-22	07:29:31	17,582	0	12,67
10-08-22	07:59:31	18,247	0	10,87
10-08-22	08:29:31	18,295	0	10,87
10-08-22	08:59:31	18,247	0	9,07
10-08-22	09:29:31	18,533	0	9,07
10-08-22	09:59:31	18,271	0	10,87
10-08-22	10:29:31	18,152	0	9,07
10-08-22	10:59:31	17,344	0	7,24
10-08-22	11:29:31	17,558	0	7,24
10-08-22	11:59:31	18,271	0	5,44
10-08-22	12:29:31	18,033	0	7,24
10-08-22	12:59:31	18,224	0	9,07
10-08-22	13:29:31	18,129	0	10,87
10-08-22	13:59:31	18,438	0	10,87
10-08-22	14:29:31	18,961	0	9,07
10-08-22	14:59:31	20,412	0	9,07
10-08-22	15:29:31	19,389	0	9,07
10-08-22	15:59:31	21,366	0	7,24
10-08-22	16:29:31	19,96	0	7,24
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10-08-22	17:29:31	18,01	0	5,44
10-08-22	17:59:31	16,487	0,8	3,64
10-08-22	18:29:31	16,534	0	3,64
10-08-22	18:59:31	16,344	0	5,44
10-08-22	19:29:31	16,034	0	5,44
10-08-22	19:59:31	15,772	0	3,64
10-08-22	20:29:31	15,629	0	3,64
10-08-22	20:59:31	14,481	0	0
10-08-22	21:29:31	14,649	0	0
10-08-22	21:59:31	14,146	0	3,64
10-08-22	22:29:31	13,305	0	1,8

10-08-22	22:59:31	13,233	0	0
10-08-22	23:29:31	13,064	0	5,44
10-08-22	23:59:31	12,461	0	1,8
11-08-22	00:29:31	12,847	0	3,64
11-08-22	00:59:31	12,727	0	7,24
11-08-22	01:29:31	12,122	0	7,24
11-08-22	01:59:31	11,175	0,2	5,44
11-08-22	02:29:31	11,151	0,2	3,64
11-08-22	02:59:31	11,102	0,2	7,24
11-08-22	03:29:31	11,175	0	9,07
11-08-22	03:59:31	11,078	0	9,07
11-08-22	04:29:31	11,224	0	12,67
11-08-22	04:59:31	10,761	0	12,67
11-08-22	05:29:31	9,928	0,4	7,24
11-08-22	05:59:31	10,001	0,4	7,24
11-08-22	06:29:31	10,124	0,2	7,24
11-08-22	06:59:31	10,051	0,6	9,07
11-08-22	07:29:31	9,312	0,2	9,07
11-08-22	07:59:31	8,965	0,2	7,24
11-08-22	08:29:31	8,568	0,2	5,44
11-08-22	08:59:31	8,618	0	5,44
11-08-22	09:29:31	8,668	0	7,24
11-08-22	09:59:31	9,114	0	5,44
11-08-22	10:29:31	8,841	0	5,44
11-08-22	10:59:31	9,583	0	3,64
11-08-22	11:29:31	9,386	0,2	3,64
11-08-22	11:59:31	10,271	0	3,64
11-08-22	12:29:31	11,224	0	3,64
11-08-22	12:59:31	11,759	0	5,44
11-08-22	13:29:31	11,053	0	5,44
11-08-22	13:59:31	11,589	0,2	3,64
11-08-22	14:29:31	10,956	0	7,24
11-08-22	14:59:31	11,734	0	9,07
11-08-22	15:29:31	12,219	0	7,24
11-08-22	15:59:31	11,248	0	7,24
11-08-22	16:29:31	11,053	0	5,44
11-08-22	16:59:31	10,834	0	7,24
11-08-22	17:29:31	11,248	0	5,44
11-08-22	17:59:31	11,273	0	3,64
11-08-22	18:29:31	11,394	0	3,64
11-08-22	18:59:31	11,346	0	3,64
11-08-22	19:29:31	11,394	0	1,8
11-08-22	19:59:31	11,419	0	1,8
11-08-22	20:29:31	11,516	0	0
11-08-22	20:59:31	11,467	0	1,8
11-08-22	21:29:31	11,565	0	1,8
11-08-22	21:59:31	11,613	0	1,8

11-08-22	22:29:31	11,637	0	3,64
11-08-22	22:59:31	11,734	0	5,44
11-08-22	23:29:31	11,516	0	1,8
11-08-22	23:59:31	11,297	0	1,8
12-08-22	00:29:31	11,297	0	1,8
12-08-22	00:59:31	11,151	0	3,64
12-08-22	01:29:31	10,98	0	5,44
12-08-22	01:59:31	10,663	0	5,44
12-08-22	02:29:31	10,467	0	3,64
12-08-22	02:59:31	10,296	0	3,64
12-08-22	03:29:31	10,222	0	1,8
12-08-22	03:59:31	10,075	0	0
12-08-22	04:29:31	9,756	0	1,8
12-08-22	04:59:31	9,805	0	3,64
12-08-22	05:29:31	9,805	0	0
12-08-22	05:59:31	9,756	0	1,8
12-08-22	06:29:31	9,854	0	3,64
12-08-22	06:59:31	10,001	0	3,64
12-08-22	07:29:31	10,026	0	1,8
12-08-22	07:59:31	10,247	0	5,44
12-08-22	08:29:31	10,663	0	3,64
12-08-22	08:59:31	10,98	0	3,64
12-08-22	09:29:31	11,613	0	3,64
12-08-22	09:59:31	12,775	0	1,8
12-08-22	10:29:31	13,449	0	1,8
12-08-22	10:59:31	14,385	0	1,8
12-08-22	11:29:31	13,57	0	3,64
12-08-22	11:59:31	14,314	0	5,44
12-08-22	12:29:31	15,414	0	5,44
12-08-22	12:59:31	15,461	0	3,64
12-08-22	13:29:31	15,557	0	5,44
12-08-22	13:59:31	15,986	0	5,44
12-08-22	14:29:31	15,963	0	7,24
12-08-22	14:59:31	16,249	0	7,24
12-08-22	15:29:31	16,82	0	3,64
12-08-22	15:59:31	19,674	0	5,44
12-08-22	16:29:31	18,271	0	3,64
12-08-22	16:59:31	18,343	0	3,64
12-08-22	17:29:31	18,557	0	3,64
12-08-22	17:59:31	19,484	0	3,64
12-08-22	18:29:31	17,915	0	3,64
12-08-22	18:59:31	18,2	0	0
12-08-22	19:29:31	17,32	0	0
12-08-22	19:59:31	15,748	0	0
12-08-22	20:29:31	11,783	0	0
12-08-22	20:59:31	9,879	0	0
12-08-22	21:29:31	8,618	0	0

12-08-22	21:59:31	7,343	0	0
12-08-22	22:29:31	6,281	0	0
12-08-22	22:59:31	6,458	0	0
12-08-22	23:29:31	5,642	0	0
12-08-22	23:59:31	5,796	0	0
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13-08-22	00:59:31	5,565	0	0
13-08-22	01:29:31	4,947	0	0
13-08-22	01:59:31	5,05	0	0
13-08-22	02:29:31	5,821	0	0
13-08-22	02:59:31	5,334	0	0
13-08-22	03:29:31	7,192	0	0
13-08-22	03:59:31	9,657	0	0
13-08-22	04:29:31	10,663	0	1,8
13-08-22	04:59:31	10,467	0	1,8
13-08-22	05:29:31	10,467	0	0
13-08-22	05:59:31	11,54	0	3,64
13-08-22	06:29:31	10,541	0	0
13-08-22	06:59:31	11,492	0	0
13-08-22	07:29:31	13,04	0	5,44
13-08-22	07:59:31	13,353	0	12,67
13-08-22	08:29:31	14,697	0	10,87
13-08-22	08:59:31	15,557	0	10,87
13-08-22	09:29:31	16,368	0	14,51
13-08-22	09:59:31	16,844	0	14,51
13-08-22	10:29:31	17,772	0	16,31
13-08-22	10:59:31	18,414	0	16,31
13-08-22	11:29:31	19,175	0	14,51
13-08-22	11:59:31	19,698	0	10,87
13-08-22	12:29:31	19,984	0	10,87
13-08-22	12:59:31	20,507	0	9,07
13-08-22	13:29:31	20,531	0	9,07
13-08-22	13:59:31	22,321	0	9,07
13-08-22	14:29:31	23,352	0	5,44
13-08-22	14:59:31	21,963	0	9,07
13-08-22	15:29:31	21,748	0	3,64
13-08-22	15:59:31	22,011	0	0
13-08-22	16:29:31	21,557	0	0
13-08-22	16:59:31	21,485	0	0
13-08-22	17:29:31	20,246	0	0
13-08-22	17:59:31	19,484	0	3,64
13-08-22	18:29:31	17,344	0	5,44
13-08-22	18:59:31	16,534	0	1,8
13-08-22	19:29:31	16,534	0	0
13-08-22	19:59:31	15,843	0	0
13-08-22	20:29:31	15,557	0	0
13-08-22	20:59:31	14,96	0	0

13-08-22	21:29:31	14,337	0	0
13-08-22	21:59:31	13,906	0,2	0
13-08-22	22:29:31	13,738	0	0
13-08-22	22:59:31	13,642	0	0
13-08-22	23:29:31	13,786	0	0
13-08-22	23:59:31	14,074	0	0
14-08-22	00:29:31	13,69	0	0
14-08-22	00:59:31	14,098	0	0
14-08-22	01:29:31	13,978	0	0
14-08-22	01:59:31	13,81	0	0
14-08-22	02:29:31	13,858	0	0
14-08-22	02:59:31	13,642	0	0
14-08-22	03:29:31	13,618	0	0
14-08-22	03:59:31	13,978	0	0
14-08-22	04:29:31	13,858	0	0
14-08-22	04:59:31	13,93	0	0
14-08-22	05:29:31	13,377	0	0
14-08-22	05:59:31	13,642	0	0
14-08-22	06:29:31	13,594	0	0
14-08-22	06:59:31	14,026	0	0
14-08-22	07:29:31	15,127	0	0
14-08-22	07:59:31	16,392	0	0
14-08-22	08:29:31	16,677	0	0
14-08-22	08:59:31	17,534	0	0
14-08-22	09:29:31	18,675	0	0
14-08-22	09:59:31	20,246	0	3,64
14-08-22	10:29:31	21,485	0	3,64
14-08-22	10:59:31	21,318	0	3,64
14-08-22	11:29:31	22,441	0	1,8
14-08-22	11:59:31	22,417	0	1,8
14-08-22	12:29:31	24,002	0	3,64
14-08-22	12:59:31	23,232	0	1,8
14-08-22	13:29:31	22,848	0	3,64
14-08-22	13:59:31	24,05	0	1,8
14-08-22	14:29:31	24,75	0	1,8
14-08-22	14:59:31	22,25	0	5,44
14-08-22	15:29:31	22,92	0	1,8
14-08-22	15:59:31	23,785	0	3,64
14-08-22	16:29:31	22,681	0	3,64
14-08-22	16:59:31	22,106	0	5,44
14-08-22	17:29:31	22,609	0	3,64
14-08-22	17:59:31	23,208	0	5,44
14-08-22	18:29:31	21,318	0	7,24
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14-08-22	19:29:31	20,341	0	5,44
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14-08-22	20:29:31	16,987	0	1,8

14-08-22	20:59:31	14,936	0	0
14-08-22	21:29:31	13,449	0	0
14-08-22	21:59:31	12,098	0	0
14-08-22	22:29:31	11,929	0	0
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15-08-22	02:59:31	11,224	0	0
15-08-22	03:29:31	11,151	0	0
15-08-22	03:59:31	11,637	0	0
15-08-22	04:29:31	11,346	0	0
15-08-22	04:59:31	11,613	0	0
15-08-22	05:29:31	13,064	0	1,8
15-08-22	05:59:31	12,413	0	0
15-08-22	06:29:31	12,364	0	0
15-08-22	06:59:31	13,666	0	0
15-08-22	07:29:31	15,581	0	1,8
15-08-22	07:59:31	16,225	0	3,64
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15-08-22	09:59:31	20,007	0	5,44
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15-08-22	10:59:31	21,652	0	9,07
15-08-22	11:29:31	21,652	0	10,87
15-08-22	11:59:31	22,058	0	9,07
15-08-22	12:29:31	23,184	0	9,07
15-08-22	12:59:31	22,896	0	10,87
15-08-22	13:29:31	23,304	0	10,87
15-08-22	13:59:31	23,689	0	9,07
15-08-22	14:29:31	23,448	0	9,07
15-08-22	14:59:31	23,833	0	10,87
15-08-22	15:29:31	23,857	0	10,87
15-08-22	15:59:31	23,833	0	10,87
15-08-22	16:29:31	23,713	0	10,87
15-08-22	16:59:31	23,569	0	9,07
15-08-22	17:29:31	23,521	0	9,07
15-08-22	17:59:31	23,016	0	9,07
15-08-22	18:29:31	22,561	0	9,07
15-08-22	18:59:31	21,652	0	9,07
15-08-22	19:29:31	20,341	0	3,64
15-08-22	19:59:31	18,652	0	1,8

15-08-22	20:29:31	15,318	0	0
15-08-22	20:59:31	12,678	0	0
15-08-22	21:29:31	13,329	0	0
15-08-22	21:59:31	16,082	0	1,8
15-08-22	22:29:31	15,247	0	1,8
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15-08-22	23:29:31	12,195	0	1,8
15-08-22	23:59:31	11,127	0	0
16-08-22	00:29:31	10,516	0	0
16-08-22	00:59:31	10,051	0	1,8
16-08-22	01:29:31	9,558	0	1,8
16-08-22	01:59:31	9,386	0	0
16-08-22	02:29:31	8,643	0	0
16-08-22	02:59:31	8,593	0	0
16-08-22	03:29:31	7,745	0	0
16-08-22	03:59:31	7,82	0	0
16-08-22	04:29:31	7,569	0	0
16-08-22	04:59:31	7,67	0	0
16-08-22	05:29:31	6,737	0	0
16-08-22	05:59:31	6,788	0	0
16-08-22	06:29:31	8,618	0	0
16-08-22	06:59:31	10,834	0	1,8
16-08-22	07:29:31	13,449	0	0
16-08-22	07:59:31	15,891	0	0
16-08-22	08:29:31	17,32	0	1,8
16-08-22	08:59:31	18,2	0	1,8
16-08-22	09:29:31	19,865	0	1,8
16-08-22	09:59:31	21,557	0	0
16-08-22	10:29:31	22,585	0	0
16-08-22	10:59:31	24,002	0	0
16-08-22	11:29:31	23,737	0	3,64
16-08-22	11:59:31	24,074	0	1,8
16-08-22	12:29:31	24,436	0	3,64
16-08-22	12:59:31	25,453	0	1,8
16-08-22	13:29:31	24,653	0	3,64
16-08-22	13:59:31	25,525	0	3,64
16-08-22	14:29:31	26,402	0	1,8
16-08-22	14:59:31	26,304	0	1,8
16-08-22	15:29:31	24,992	0	1,8
16-08-22	15:59:31	25,744	0	1,8
16-08-22	16:29:31	26,182	0	3,64
16-08-22	16:59:31	23,761	0	1,8
16-08-22	17:29:31	25,623	0	0
16-08-22	17:59:31	25,331	0	1,8
16-08-22	18:29:31	21,604	0	0
16-08-22	18:59:31	23,184	0	0
16-08-22	19:29:31	21,843	0	0

16-08-22	19:59:31	18,057	0	0
16-08-22	20:29:31	15,366	0	0
16-08-22	20:59:31	13,257	0	0
16-08-22	21:29:31	12,509	0	0
16-08-22	21:59:31	10,932	0	0
16-08-22	22:29:31	10,394	0	0
16-08-22	22:59:31	10,296	0	0
16-08-22	23:29:31	10,001	0	0
16-08-22	23:59:31	10,443	0	0
17-08-22	00:29:31	8,742	0	0
17-08-22	00:59:31	8,941	0	0
17-08-22	01:29:31	8,195	0	0
17-08-22	01:59:31	9,089	0	0
17-08-22	02:29:31	7,745	0	0
17-08-22	02:59:31	7,343	0	0
17-08-22	03:29:31	7,795	0	0
17-08-22	03:59:31	7,217	0	0
17-08-22	04:29:31	6,737	0	0
17-08-22	04:59:31	6,788	0	0
17-08-22	05:29:31	6,585	0	0
17-08-22	05:59:31	6,813	0	0
17-08-22	06:29:31	7,97	0	0
17-08-22	06:59:31	10,712	0	0
17-08-22	07:29:31	14,337	0	0
17-08-22	07:59:31	17,867	0	0
17-08-22	08:29:31	18,366	0	0
17-08-22	08:59:31	20,293	0	0
17-08-22	09:29:31	22,513	0	0
17-08-22	09:59:31	22,681	0	1,8
17-08-22	10:29:31	23,954	0	3,64
17-08-22	10:59:31	25,501	0	5,44
17-08-22	11:29:31	25,623	0	3,64
17-08-22	11:59:31	27,481	0	1,8
17-08-22	12:29:31	25,744	0	3,64
17-08-22	12:59:31	28,32	0	0
17-08-22	13:29:31	27,186	0	3,64
17-08-22	13:59:31	27,677	0	1,8
17-08-22	14:29:31	26,769	0	5,44
17-08-22	14:59:31	27,875	0	3,64
17-08-22	15:29:31	25,939	0	5,44
17-08-22	15:59:31	26,231	0	1,8
17-08-22	16:29:31	24,944	0	0
17-08-22	16:59:31	25,113	0	0
17-08-22	17:29:31	26,426	0	0
17-08-22	17:59:31	26,793	0	0
17-08-22	18:29:31	26,72	0	0
17-08-22	18:59:31	25,695	0	0

17-08-22	19:29:31	23,521	0	0
17-08-22	19:59:31	18,129	0	0
17-08-22	20:29:31	15,581	0	0
17-08-22	20:59:31	13,401	0	0
17-08-22	21:29:31	12,871	0	0
17-08-22	21:59:31	11,443	0	0
17-08-22	22:29:31	10,565	0	0
17-08-22	22:59:31	10,761	0	0
17-08-22	23:29:31	9,534	0	0
17-08-22	23:59:31	9,509	0	0
18-08-22	00:29:31	8,891	0	0
18-08-22	00:59:31	9,163	0	0
18-08-22	01:29:31	8,891	0	0
18-08-22	01:59:31	8,519	0	0
18-08-22	02:29:31	9,262	0	0
18-08-22	02:59:31	8,27	0	0
18-08-22	03:29:31	7,845	0	0
18-08-22	03:59:31	9,435	0	0
18-08-22	04:29:31	8,17	0	0
18-08-22	04:59:31	7,594	0	0
18-08-22	05:29:31	8,444	0	0
18-08-22	05:59:31	7,745	0	0
18-08-22	06:29:31	8,519	0	0
18-08-22	06:59:31	11,977	0	0
18-08-22	07:29:31	15,223	0	0
18-08-22	07:59:31	17,843	0	0
18-08-22	08:29:31	18,366	0	0
18-08-22	08:59:31	19,888	0	0
18-08-22	09:29:31	21,987	0	0
18-08-22	09:59:31	23,208	0	1,8
18-08-22	10:29:31	25,065	0	1,8
18-08-22	10:59:31	26,109	0	1,8
18-08-22	11:29:31	27,038	0	1,8
18-08-22	11:59:31	27,85	0	1,8
18-08-22	12:29:31	28,667	0	3,64
18-08-22	12:59:31	27,924	0	1,8
18-08-22	13:29:31	29,265	0	1,8
18-08-22	13:59:31	29,54	0	1,8
18-08-22	14:29:31	29,89	0	1,8
18-08-22	14:59:31	27,998	0	1,8
18-08-22	15:29:31	29,64	0	1,8
18-08-22	15:59:31	27,628	0	3,64
18-08-22	16:29:31	27,949	0	0
18-08-22	16:59:31	28,122	0	0
18-08-22	17:29:31	28,147	0	3,64
18-08-22	17:59:31	28,023	0	3,64
18-08-22	18:29:31	26,598	0	1,8

18-08-22	18:59:31	26,036	0	1,8
18-08-22	19:29:31	24,412	0	3,64
18-08-22	19:59:31	22,226	0	1,8
18-08-22	20:29:31	17,701	0	0
18-08-22	20:59:31	15,414	0	0
18-08-22	21:29:31	14,314	0	0
18-08-22	21:59:31	13,497	0	0
18-08-22	22:29:31	12,606	0	0
18-08-22	22:59:31	12,509	0	0
18-08-22	23:29:31	11,71	0	0
18-08-22	23:59:31	11,175	0	0
19-08-22	00:29:31	10,785	0	0
19-08-22	00:59:31	9,682	0	0
19-08-22	01:29:31	9,952	0	0
19-08-22	01:59:31	8,891	0	0
19-08-22	02:29:31	9,114	0	0
19-08-22	02:59:31	9,756	0	0
19-08-22	03:29:31	8,22	0	0
19-08-22	03:59:31	9,213	0	0
19-08-22	04:29:31	8,643	0	0
19-08-22	04:59:31	8,519	0	0
19-08-22	05:29:31	8,519	0	0
19-08-22	05:59:31	8,145	0	0
19-08-22	06:29:31	8,12	0	0
19-08-22	06:59:31	11,394	0	0
19-08-22	07:29:31	15,175	0	0
19-08-22	07:59:31	17,415	0	0
19-08-22	08:29:31	17,653	0	0
19-08-22	08:59:31	19,651	0	0
19-08-22	09:29:31	21,461	0	0
19-08-22	09:59:31	22,753	0	0
19-08-22	10:29:31	24,726	0	1,8
19-08-22	10:59:31	26,744	0	1,8
19-08-22	11:29:31	27,014	0	0
19-08-22	11:59:31	27,186	0	3,64
19-08-22	12:29:31	27,431	0	3,64
19-08-22	12:59:31	29,59	0	1,8
19-08-22	13:29:31	29,765	0	3,64
19-08-22	13:59:31	30,394	0	1,8
19-08-22	14:29:31	29,34	0	3,64
19-08-22	14:59:31	29,365	0	5,44
19-08-22	15:29:31	29,615	0	3,64
19-08-22	15:59:31	29,065	0	3,64
19-08-22	16:29:31	29,015	0	3,64
19-08-22	16:59:31	28,891	0	3,64
19-08-22	17:29:31	28,568	0	5,44
19-08-22	17:59:31	28,841	0	3,64

19-08-22	18:29:31	27,53	0	1,8
19-08-22	18:59:31	23,641	0	0
19-08-22	19:29:31	20,865	0	0
19-08-22	19:59:31	24,557	0	3,64
19-08-22	20:29:31	19,151	0	0
19-08-22	20:59:31	16,487	0	0
19-08-22	21:29:31	15,533	0	0
19-08-22	21:59:31	14,29	0	0
19-08-22	22:29:31	13,714	0	0
19-08-22	22:59:31	13,281	0	0
19-08-22	23:29:31	14,625	0	0
19-08-22	23:59:31	13,377	0	0
20-08-22	00:29:31	13,281	0	0
20-08-22	00:59:31	14,505	0	0
20-08-22	01:29:31	14,673	0	0
20-08-22	01:59:31	18,295	0	1,8
20-08-22	02:29:31	18,628	0	5,44
20-08-22	02:59:31	18,747	0	7,24
20-08-22	03:29:31	18,533	0	7,24
20-08-22	03:59:31	18,129	0	7,24
20-08-22	04:29:31	17,867	0	5,44
20-08-22	04:59:31	17,867	0	5,44
20-08-22	05:29:31	18,247	0	5,44
20-08-22	05:59:31	18,2	0	7,24
20-08-22	06:29:31	18,39	0	9,07
20-08-22	06:59:31	18,533	0	5,44
20-08-22	07:29:31	18,628	0	7,24
20-08-22	07:59:31	19,175	0	10,87
20-08-22	08:29:31	19,365	0	10,87
20-08-22	08:59:31	19,817	0	14,51
20-08-22	09:29:31	20,198	0	14,51
20-08-22	09:59:31	20,388	0	12,67
20-08-22	10:29:31	20,65	0	16,31
20-08-22	10:59:31	20,746	0	16,31
20-08-22	11:29:31	18,889	0	7,24
20-08-22	11:59:31	21,628	0	3,64
20-08-22	12:29:31	20,722	0	9,07
20-08-22	12:59:31	22,058	0	7,24
20-08-22	13:29:31	21,581	0	7,24
20-08-22	13:59:31	22,011	0	7,24
20-08-22	14:29:31	21,366	0	7,24
20-08-22	14:59:31	21,223	0	7,24
20-08-22	15:29:31	21,056	0	5,44
20-08-22	15:59:31	22,298	0	5,44
20-08-22	16:29:31	21,604	0	5,44
20-08-22	16:59:31	20,174	0	5,44
20-08-22	17:29:31	19,413	0	5,44

20-08-22	17:59:31	19,651	0	3,64
20-08-22	18:29:31	20,46	0	3,64
20-08-22	18:59:31	19,627	0	0
20-08-22	19:29:31	19,199	0	0
20-08-22	19:59:31	17,843	0	0
20-08-22	20:29:31	17,463	0	1,8
20-08-22	20:59:31	17,082	0	0
20-08-22	21:29:31	16,439	0	1,8
20-08-22	21:59:31	15,843	0,2	1,8
20-08-22	22:29:31	15,485	1,4	0
20-08-22	22:59:31	15,438	1	0
20-08-22	23:29:31	15,318	0,4	0
20-08-22	23:59:31	14,984	0,2	0
21-08-22	00:29:31	14,816	0	0
21-08-22	00:59:31	14,816	0	0
21-08-22	01:29:31	15,008	0	0
21-08-22	01:59:31	15,223	0	0
21-08-22	02:29:31	14,409	0	0
21-08-22	02:59:31	15,247	0	0
21-08-22	03:29:31	14,984	0	0
21-08-22	03:59:31	15,103	0	0
21-08-22	04:29:31	14,936	0,2	0
21-08-22	04:59:31	14,912	0	0
21-08-22	05:29:31	14,84	1,2	0
21-08-22	05:59:31	14,577	0	0
21-08-22	06:29:31	14,649	0,8	0
21-08-22	06:59:31	14,864	0	0
21-08-22	07:29:31	14,936	0,4	0
21-08-22	07:59:31	14,936	0,8	0
21-08-22	08:29:31	14,84	1,6	0
21-08-22	08:59:31	15,294	0,6	0
21-08-22	09:29:31	15,342	0,4	0
21-08-22	09:59:31	15,748	0,2	0
21-08-22	10:29:31	15,533	2,6	0
21-08-22	10:59:31	15,079	2,8	3,64
21-08-22	11:29:31	15,533	1,4	3,64
21-08-22	11:59:31	16,106	0,6	1,8
21-08-22	12:29:31	17,653	0,2	0
21-08-22	12:59:31	18,343	0	1,8
21-08-22	13:29:31	17,962	0	3,64
21-08-22	13:59:31	18,699	0	0
21-08-22	14:29:31	18,557	0	0
21-08-22	14:59:31	19,532	0	1,8
21-08-22	15:29:31	19,389	0	1,8
21-08-22	15:59:31	21,652	0	1,8
21-08-22	16:29:31	20,103	0	3,64
21-08-22	16:59:31	20,103	0	3,64

21-08-22	17:29:31	18,699	0	5,44
21-08-22	17:59:31	18,01	0	7,24
21-08-22	18:29:31	17,653	0	1,8
21-08-22	18:59:31	17,011	0	0
21-08-22	19:29:31	16,82	0	0
21-08-22	19:59:31	16,582	0	0
21-08-22	20:29:31	15,031	0	0
21-08-22	20:59:31	13,522	0	0
21-08-22	21:29:31	13,016	0	0
21-08-22	21:59:31	12,268	0	0
21-08-22	22:29:31	11,929	0	0
21-08-22	22:59:31	12,413	0	0
21-08-22	23:29:31	11,516	0	0
21-08-22	23:59:31	10,32	0	0
22-08-22	00:29:31	9,879	0	0
22-08-22	00:59:31	13,137	0	1,8
22-08-22	01:29:31	12,847	0	3,64
22-08-22	01:59:31	12,992	0	5,44
22-08-22	02:29:31	12,534	0	3,64
22-08-22	02:59:31	12,461	0	3,64
22-08-22	03:29:31	12,606	0	1,8
22-08-22	03:59:31	12,171	0	0
22-08-22	04:29:31	11,589	0	0
22-08-22	04:59:31	10,222	0	0
22-08-22	05:29:31	12,727	0	0
22-08-22	05:59:31	12,992	0	1,8
22-08-22	06:29:31	13,401	0	1,8
22-08-22	06:59:31	14,625	0	7,24
22-08-22	07:29:31	15,27	0	7,24
22-08-22	07:59:31	15,605	0	7,24
22-08-22	08:29:31	16,249	0	10,87
22-08-22	08:59:31	16,511	0	9,07
22-08-22	09:29:31	16,558	0	7,24
22-08-22	09:59:31	16,534	0	7,24
22-08-22	10:29:31	15,7	0	7,24
22-08-22	10:59:31	15,461	0	7,24
22-08-22	11:29:31	15,199	0,2	5,44
22-08-22	11:59:31	15,557	0	3,64
22-08-22	12:29:31	16,01	0	3,64
22-08-22	12:59:31	16,534	0	3,64
22-08-22	13:29:31	16,963	0	3,64
22-08-22	13:59:31	17,677	0	5,44
22-08-22	14:29:31	18,224	0	5,44
22-08-22	14:59:31	17,653	0	5,44
22-08-22	15:29:31	16,749	0	7,24
22-08-22	15:59:31	15,39	0	9,07
22-08-22	16:29:31	14,673	0	7,24

22-08-22	16:59:31	15,223	0	3,64
22-08-22	17:29:31	15,748	0	1,8
22-08-22	17:59:31	16,654	0	1,8
22-08-22	18:29:31	16,201	0	1,8
22-08-22	18:59:31	15,605	0	3,64
22-08-22	19:29:31	14,481	0	5,44
22-08-22	19:59:31	13,064	0	1,8
22-08-22	20:29:31	11,832	0	1,8
22-08-22	20:59:31	10,222	0	0
22-08-22	21:29:31	9,188	0	0
22-08-22	21:59:31	10,59	0	0
22-08-22	22:29:31	10,1	0	0
22-08-22	22:59:31	8,519	0	0
22-08-22	23:29:31	6,839	0	0
22-08-22	23:59:31	6,281	0	0
23-08-22	00:29:31	5,102	0	0
23-08-22	00:59:31	4,61	0	0
23-08-22	01:29:31	4,532	0	0
23-08-22	01:59:31	4,324	0	0
23-08-22	02:29:31	2,262	0	0
23-08-22	02:59:31	2,047	0	0
23-08-22	03:29:31	1,289	0	0
23-08-22	03:59:31	1,453	0	0
23-08-22	04:29:31	1,913	0	0
23-08-22	04:59:31	2,69	0	0
23-08-22	05:29:31	2,85	0	0
23-08-22	05:59:31	2,744	0	0
23-08-22	06:29:31	2,557	0	0
23-08-22	06:59:31	3,775	0	0
23-08-22	07:29:31	6,281	0	0
23-08-22	07:59:31	7,77	0	0
23-08-22	08:29:31	9,731	0	0
23-08-22	08:59:31	10,614	0	0
23-08-22	09:29:31	11,977	0	0
23-08-22	09:59:31	13,161	0	0
23-08-22	10:29:31	13,93	0	1,8
23-08-22	10:59:31	16,439	0	3,64
23-08-22	11:29:31	17,32	0	1,8
23-08-22	11:59:31	18,818	0	1,8
23-08-22	12:29:31	19,341	0	1,8
23-08-22	12:59:31	20,246	0	1,8
23-08-22	13:29:31	19,08	0	3,64
23-08-22	13:59:31	21,127	0	3,64
23-08-22	14:29:31	21,056	0	1,8
23-08-22	14:59:31	20,96	0	3,64
23-08-22	15:29:31	20,46	0	5,44
23-08-22	15:59:31	22,154	0	3,64

23-08-22	16:29:31	22,705	0	3,64
23-08-22	16:59:31	22,13	0	3,64
23-08-22	17:29:31	20,484	0	3,64
23-08-22	17:59:31	19,746	0	1,8
23-08-22	18:29:31	18,794	0	0
23-08-22	18:59:31	17,748	0	0
23-08-22	19:29:31	16,558	0	0
23-08-22	19:59:31	16,558	0	0
23-08-22	20:29:31	15,318	0	0
23-08-22	20:59:31	15,247	0	3,64
23-08-22	21:29:31	14,864	0	0
23-08-22	21:59:31	13,449	0	0
23-08-22	22:29:31	13,69	0	1,8
23-08-22	22:59:31	12,871	0	3,64
23-08-22	23:29:31	12,582	0	1,8
23-08-22	23:59:31	11,175	0	1,8
24-08-22	00:29:31	11,71	0	0
24-08-22	00:59:31	11,346	0	0
24-08-22	01:29:31	11,273	0	1,8
24-08-22	01:59:31	10,761	0	0
24-08-22	02:29:31	9,632	0	0
24-08-22	02:59:31	9,509	0	1,8
24-08-22	03:29:31	8,767	0	1,8
24-08-22	03:59:31	7,569	0	0
24-08-22	04:29:31	8,593	0	0
24-08-22	04:59:31	7,217	0	0
24-08-22	05:29:31	6,179	0	0
24-08-22	05:59:31	7,167	0	1,8
24-08-22	06:29:31	6,128	0	0
24-08-22	06:59:31	7,995	0	0
24-08-22	07:29:31	9,682	0	1,8
24-08-22	07:59:31	10,81	0	1,8
24-08-22	08:29:31	12,171	0	1,8
24-08-22	08:59:31	12,243	0	5,44
24-08-22	09:29:31	12,389	0	5,44
24-08-22	09:59:31	12,147	0	5,44
24-08-22	10:29:31	12,847	0	5,44
24-08-22	10:59:31	13,786	0	3,64
24-08-22	11:29:31	14,122	0	3,64
24-08-22	11:59:31	13,69	0	3,64
24-08-22	12:29:31	14,385	0	5,44
24-08-22	12:59:31	14,314	0	5,44
24-08-22	13:29:31	14,745	0	7,24
24-08-22	13:59:31	17,106	0	5,44
24-08-22	14:29:31	16,415	0	7,24
24-08-22	14:59:31	15,199	0	9,07
24-08-22	15:29:31	15,103	0	7,24

24-08-22	15:59:31	16,177	0	7,24
24-08-22	16:29:31	14,577	0	9,07
24-08-22	16:59:31	14,05	0	9,07
24-08-22	17:29:31	13,714	0	9,07
24-08-22	17:59:31	14,649	0	9,07
24-08-22	18:29:31	13,762	0	10,87
24-08-22	18:59:31	11,613	0	10,87
24-08-22	19:29:31	10,81	0	9,07
24-08-22	19:59:31	9,114	0	5,44
24-08-22	20:29:31	8,444	0	3,64
24-08-22	20:59:31	8,344	0	3,64
24-08-22	21:29:31	9,163	0	3,64
24-08-22	21:59:31	9,188	0	3,64
24-08-22	22:29:31	8,494	0	1,8
24-08-22	22:59:31	7,945	0	5,44
24-08-22	23:29:31	6,509	0	3,64
24-08-22	23:59:31	5,539	0	3,64
25-08-22	00:29:31	4,792	0	1,8
25-08-22	00:59:31	5,154	0	0
25-08-22	01:29:31	4,089	0	1,8
25-08-22	01:59:31	3,775	0	1,8
25-08-22	02:29:31	3,538	0	0
25-08-22	02:59:31	4,063	0	0
25-08-22	03:29:31	3,906	0	1,8
25-08-22	03:59:31	3,932	0	3,64
25-08-22	04:29:31	3,906	0	7,24
25-08-22	04:59:31	3,722	0	5,44
25-08-22	05:29:31	3,485	0	1,8
25-08-22	05:59:31	3,38	0	1,8
25-08-22	06:29:31	3,512	0	1,8
25-08-22	06:59:31	4,22	0	0
25-08-22	07:29:31	4,714	0	0
25-08-22	07:59:31	5,257	0	1,8
25-08-22	08:29:31	6,408	0	1,8
25-08-22	08:59:31	6,94	0	3,64
25-08-22	09:29:31	7,87	0	7,24
25-08-22	09:59:31	9,534	0	5,44
25-08-22	10:29:31	8,891	0	5,44
25-08-22	10:59:31	9,41	0	5,44
25-08-22	11:29:31	10,001	0	1,8
25-08-22	11:59:31	10,149	0	3,64
25-08-22	12:29:31	11,419	0	3,64
25-08-22	12:59:31	10,932	0	1,8
25-08-22	13:29:31	11,37	0	3,64
25-08-22	13:59:31	11,321	0	3,64
25-08-22	14:29:31	10,761	0	3,64
25-08-22	14:59:31	11,613	0	3,64

25-08-22	15:29:31	12,219	0	3,64
25-08-22	15:59:31	12,05	0	3,64
25-08-22	16:29:31	12,001	0	1,8
25-08-22	16:59:31	11,686	0	3,64
25-08-22	17:29:31	12,122	0	3,64
25-08-22	17:59:31	11,662	0	3,64
25-08-22	18:29:31	11,443	0	1,8
25-08-22	18:59:31	10,247	0	1,8
25-08-22	19:29:31	9,879	0	1,8
25-08-22	19:59:31	8,693	0	3,64
25-08-22	20:29:31	8,419	0	0
25-08-22	20:59:31	8,444	0	1,8
25-08-22	21:29:31	8,195	0	1,8
25-08-22	21:59:31	8,444	0	0
25-08-22	22:29:31	8,12	0	0
25-08-22	22:59:31	7,845	0	0
25-08-22	23:29:31	7,645	0	0
25-08-22	23:59:31	7,142	0	0
26-08-22	00:29:31	6,763	0	0
26-08-22	00:59:31	5,77	0	0
26-08-22	01:29:31	4,584	0	0
26-08-22	01:59:31	3,538	0	0
26-08-22	02:29:31	2,101	0	0
26-08-22	02:59:31	2,128	0	0
26-08-22	03:29:31	2,717	0	0
26-08-22	03:59:31	2,37	0	0
26-08-22	04:29:31	2,53	0	0
26-08-22	04:59:31	1,48	0	0
26-08-22	05:29:31	1,18	0	0
26-08-22	05:59:31	0,825	0	0
26-08-22	06:29:31	0,467	0	0
26-08-22	06:59:31	1,561	0	0
26-08-22	07:29:31	4,766	0	0
26-08-22	07:59:31	7,519	0	0
26-08-22	08:29:31	8,045	0	0
26-08-22	08:59:31	8,866	0	0
26-08-22	09:29:31	10,443	0	0
26-08-22	09:59:31	10,443	0	0
26-08-22	10:29:31	11,759	0	0
26-08-22	10:59:31	13,666	0	1,8
26-08-22	11:29:31	13,233	0	1,8
26-08-22	11:59:31	13,161	0	5,44
26-08-22	12:29:31	15,461	0	1,8
26-08-22	12:59:31	16,296	0	1,8
26-08-22	13:29:31	14,266	0	3,64
26-08-22	13:59:31	15,963	0	3,64
26-08-22	14:29:31	17,32	0	3,64

26-08-22	14:59:31	16,939	0	5,44
26-08-22	15:29:31	15,676	0	5,44
26-08-22	15:59:31	16,177	0	3,64
26-08-22	16:29:31	16,963	0	3,64
26-08-22	16:59:31	17,296	0	3,64
26-08-22	17:29:31	17,13	0	3,64
26-08-22	17:59:31	16,249	0	1,8
26-08-22	18:29:31	15,796	0	1,8
26-08-22	18:59:31	14,433	0	1,8
26-08-22	19:29:31	12,195	0	0
26-08-22	19:59:31	8,618	0	0
26-08-22	20:29:31	6,687	0	0
26-08-22	20:59:31	4,506	0	0
26-08-22	21:29:31	3,591	0	0
26-08-22	21:59:31	3,221	0	0
26-08-22	22:29:31	2,37	0	0
26-08-22	22:59:31	2,823	0	0
26-08-22	23:29:31	1,371	0	0
26-08-22	23:59:31	2,209	0	0
27-08-22	00:29:31	1,398	0	0
27-08-22	00:59:31	1,235	0	0
27-08-22	01:29:31	1,534	0	0
27-08-22	01:59:31	1,67	0	0
27-08-22	02:29:31	0,715	0	0
27-08-22	02:59:31	0,439	0	0
27-08-22	03:29:31	0,356	0	0
27-08-22	03:59:31	1,561	0	0
27-08-22	04:29:31	1,913	0	0
27-08-22	04:59:31	1,344	0	0
27-08-22	05:29:31	2,823	0	0
27-08-22	05:59:31	6,153	0	0
27-08-22	06:29:31	4,063	0	0
27-08-22	06:59:31	6	0	3,64
27-08-22	07:29:31	7,895	0	3,64
27-08-22	07:59:31	8,519	0	5,44
27-08-22	08:29:31	9,163	0	7,24
27-08-22	08:59:31	10,712	0	9,07
27-08-22	09:29:31	12,485	0	12,67
27-08-22	09:59:31	14,29	0	12,67
27-08-22	10:29:31	16,344	0	14,51
27-08-22	10:59:31	16,439	0	16,31
27-08-22	11:29:31	17,915	0	19,94
27-08-22	11:59:31	17,796	0	19,94
27-08-22	12:29:31	17,701	0	16,31
27-08-22	12:59:31	17,701	0	19,94
27-08-22	13:29:31	17,986	0	18,11
27-08-22	13:59:31	18,414	0	19,94

27-08-22	14:29:31	18,747	0	21,74
27-08-22	14:59:31	19,08	0	21,74
27-08-22	15:29:31	20,341	0	19,94
27-08-22	15:59:31	21,175	0	14,51
27-08-22	16:29:31	19,865	0	19,94
27-08-22	16:59:31	20,293	0	19,94
27-08-22	17:29:31	20,388	0	19,94
27-08-22	17:59:31	20,436	0	21,74
27-08-22	18:29:31	20,293	0	19,94
27-08-22	18:59:31	19,936	0	18,11
27-08-22	19:29:31	19,555	0	16,31
27-08-22	19:59:31	18,699	0	12,67
27-08-22	20:29:31	18,105	0	10,87
27-08-22	20:59:31	18,2	0	14,51
27-08-22	21:29:31	18,271	0	18,11
27-08-22	21:59:31	18,081	0	19,94
27-08-22	22:29:31	17,724	0	19,94
27-08-22	22:59:31	17,439	0	14,51
27-08-22	23:29:31	17,058	0	7,24
27-08-22	23:59:31	16,844	0	9,07
28-08-22	00:29:31	16,677	0	10,87
28-08-22	00:59:31	16,701	0	9,07
28-08-22	01:29:31	16,725	0	9,07
28-08-22	01:59:31	16,749	0	7,24
28-08-22	02:29:31	16,677	0	7,24
28-08-22	02:59:31	16,749	0	7,24
28-08-22	03:29:31	16,796	0	7,24
28-08-22	03:59:31	16,701	0	7,24
28-08-22	04:29:31	16,892	0	7,24
28-08-22	04:59:31	17,011	0	9,07
28-08-22	05:29:31	16,892	0	7,24
28-08-22	05:59:31	16,368	0	7,24
28-08-22	06:29:31	16,439	0	5,44
28-08-22	06:59:31	16,654	0	9,07
28-08-22	07:29:31	17,082	0	10,87
28-08-22	07:59:31	17,391	0	16,31
28-08-22	08:29:31	17,748	0	18,11
28-08-22	08:59:31	18,105	0	21,74
28-08-22	09:29:31	18,485	0	25,38
28-08-22	09:59:31	18,485	0	18,11
28-08-22	10:29:31	19,08	0	19,94
28-08-22	10:59:31	19,484	0	16,31
28-08-22	11:29:31	20,007	0	16,31
28-08-22	11:59:31	19,603	0	21,74
28-08-22	12:29:31	19,318	0	19,94
28-08-22	12:59:31	19,127	0	18,11
28-08-22	13:29:31	19,698	0	16,31

28-08-22	13:59:31	19,96	0	19,94
28-08-22	14:29:31	20,269	0	18,11
28-08-22	14:59:31	20,746	0	25,38
28-08-22	15:29:31	21,318	0	23,54
28-08-22	15:59:31	20,984	0	25,38
28-08-22	16:29:31	20,603	0	27,18
28-08-22	16:59:31	19,127	0	18,11
28-08-22	17:29:31	17,843	0,6	25,38
28-08-22	17:59:31	17,915	0,2	25,38
28-08-22	18:29:31	18,2	0	18,11
28-08-22	18:59:31	18,438	0	18,11
28-08-22	19:29:31	19,008	0	18,11
28-08-22	19:59:31	18,58	0	14,51
28-08-22	20:29:31	19,127	0	19,94
28-08-22	20:59:31	19,175	0	19,94
28-08-22	21:29:31	19,508	0	18,11
28-08-22	21:59:31	19,651	0	18,11
28-08-22	22:29:31	19,389	0	19,94
28-08-22	22:59:31	19,127	0	19,94
28-08-22	23:29:31	19,151	0	16,31
28-08-22	23:59:31	18,961	0	16,31
29-08-22	00:29:31	17,796	0,4	16,31
29-08-22	00:59:31	17,582	4,2	18,11
29-08-22	01:29:31	17,558	0	18,11
29-08-22	01:59:31	17,653	0	9,07
29-08-22	02:29:31	17,915	0	10,87
29-08-22	02:59:31	17,891	0	9,07
29-08-22	03:29:31	18,247	0	10,87
29-08-22	03:59:31	18,057	0	10,87
29-08-22	04:29:31	17,772	0	10,87
29-08-22	04:59:31	17,558	0	10,87
29-08-22	05:29:31	17,296	0	9,07
29-08-22	05:59:31	17,225	0	7,24
29-08-22	06:29:31	17,011	0	5,44
29-08-22	06:59:31	17,177	0	5,44
29-08-22	07:29:31	17,582	0	5,44
29-08-22	07:59:31	18,033	0	9,07
29-08-22	08:29:31	18,295	0	10,87
29-08-22	08:59:31	18,675	0	14,51
29-08-22	09:29:31	19,341	0	16,31
29-08-22	09:59:31	19,936	0	16,31
29-08-22	10:29:31	20,65	0	16,31
29-08-22	10:59:31	21,008	0	18,11
29-08-22	11:29:31	21,27	0	18,11
29-08-22	11:59:31	21,987	0	18,11
29-08-22	12:29:31	22,226	0	21,74
29-08-22	12:59:31	22,753	0	18,11

29-08-22	13:29:31	22,226	0	21,74
29-08-22	13:59:31	22,226	0	21,74
29-08-22	14:29:31	22,369	0	23,54
29-08-22	14:59:31	22,106	0	25,38
29-08-22	15:29:31	21,485	0	23,54
29-08-22	15:59:31	21,628	0	21,74
29-08-22	16:29:31	21,652	0	18,11
29-08-22	16:59:31	22,872	0	14,51
29-08-22	17:29:31	22,681	0	12,67
29-08-22	17:59:31	22,178	0	12,67
29-08-22	18:29:31	21,963	0	10,87
29-08-22	18:59:31	21,509	0	16,31
29-08-22	19:29:31	21,032	0	14,51
29-08-22	19:59:31	20,103	0	10,87
29-08-22	20:29:31	19,555	0	7,24
29-08-22	20:59:31	19,555	0	9,07
29-08-22	21:29:31	19,603	0	9,07
29-08-22	21:59:31	19,436	0	9,07
29-08-22	22:29:31	18,913	0	7,24
29-08-22	22:59:31	19,103	0	3,64
29-08-22	23:29:31	18,771	0	3,64
29-08-22	23:59:31	18,889	0	5,44
30-08-22	00:29:31	18,985	0	5,44
30-08-22	00:59:31	18,818	0	5,44
30-08-22	01:29:31	19,008	0	7,24
30-08-22	01:59:31	18,937	0	5,44
30-08-22	02:29:31	18,818	0	3,64
30-08-22	02:59:31	18,771	0	5,44
30-08-22	03:29:31	18,461	0	1,8
30-08-22	03:59:31	18,866	0	5,44
30-08-22	04:29:31	19,008	0	7,24
30-08-22	04:59:31	18,889	0	5,44
30-08-22	05:29:31	19,08	0	7,24
30-08-22	05:59:31	19,056	0	10,87
30-08-22	06:29:31	19,127	0	9,07
30-08-22	06:59:31	19,199	0	9,07
30-08-22	07:29:31	19,484	0	9,07
30-08-22	07:59:31	19,77	0	19,94
30-08-22	08:29:31	19,627	0	19,94
30-08-22	08:59:31	19,46	0	21,74
30-08-22	09:29:31	19,175	0	23,54
30-08-22	09:59:31	19,246	0	19,94
30-08-22	10:29:31	19,413	0	19,94
30-08-22	10:59:31	19,77	0	23,54
30-08-22	11:29:31	20,007	0	21,74
30-08-22	11:59:31	20,96	0	18,11
30-08-22	12:29:31	21,27	0	25,38

30-08-22	12:59:31	22,226	0	21,74
30-08-22	13:29:31	22,417	0	23,54
30-08-22	13:59:31	23,136	0	19,94
30-08-22	14:29:31	23,448	0	21,74
30-08-22	14:59:31	23,569	0	18,11
30-08-22	15:29:31	23,569	0	19,94
30-08-22	15:59:31	23,833	0	19,94
30-08-22	16:29:31	23,064	0	19,94
30-08-22	16:59:31	18,2	1,2	16,31
30-08-22	17:29:31	19,008	0	1,8
30-08-22	17:59:31	19,793	0	3,64
30-08-22	18:29:31	19,936	0	1,8
30-08-22	18:59:31	19,865	0	0
30-08-22	19:29:31	19,651	0	9,07
30-08-22	19:59:31	19,508	0	7,24
30-08-22	20:29:31	19,413	0	5,44
30-08-22	20:59:31	18,818	0	3,64
30-08-22	21:29:31	17,605	0	3,64
30-08-22	21:59:31	17,225	0	0
30-08-22	22:29:31	16,915	0	1,8
30-08-22	22:59:31	14,433	0	9,07
30-08-22	23:29:31	13,594	0	7,24
30-08-22	23:59:31	13,137	0	3,64
31-08-22	00:29:31	12,751	0,2	3,64
31-08-22	00:59:31	12,219	0	5,44
31-08-22	01:29:31	11,734	0,4	3,64
31-08-22	01:59:31	11,346	1,4	3,64
31-08-22	02:29:31	11,224	2	3,64
31-08-22	02:59:31	11,102	1,2	3,64
31-08-22	03:29:31	10,492	0,8	3,64
31-08-22	03:59:31	10,516	0,2	3,64
31-08-22	04:29:31	10,222	0,2	3,64
31-08-22	04:59:31	9,928	0,6	3,64
31-08-22	05:29:31	9,829	1,2	3,64
31-08-22	05:59:31	9,583	0	3,64
31-08-22	06:29:31	9,485	0,2	3,64
31-08-22	06:59:31	9,46	0	3,64
31-08-22	07:29:31	9,657	0	1,8
31-08-22	07:59:31	9,534	0,2	3,64
31-08-22	08:29:31	9,213	0,2	3,64
31-08-22	08:59:31	9,312	0	3,64
31-08-22	09:29:31	10,32	0	3,64
31-08-22	09:59:31	10,712	0	5,44
31-08-22	10:29:31	9,706	0	5,44
31-08-22	10:59:31	10,173	0	7,24
31-08-22	11:29:31	11,807	0	5,44
31-08-22	11:59:31	11,613	0	7,24

31-08-22	12:29:31	11,516	0	9,07
31-08-22	12:59:31	11,904	0	10,87
31-08-22	13:29:31	12,025	0	7,24
31-08-22	13:59:31	12,05	0	12,67
31-08-22	14:29:31	12,968	0	10,87
31-08-22	14:59:31	12,485	0,2	9,07
31-08-22	15:29:31	11,54	0	10,87
31-08-22	15:59:31	11,127	0,2	7,24
31-08-22	16:29:31	11,175	0,2	1,8
31-08-22	16:59:31	11,248	0,4	3,64
31-08-22	17:29:31	11,175	0	5,44
31-08-22	17:59:31	11,127	0	5,44
31-08-22	18:29:31	10,663	0	5,44
31-08-22	18:59:31	9,903	0	1,8
31-08-22	19:29:31	10,1	0	3,64
31-08-22	19:59:31	9,928	0	3,64
31-08-22	20:29:31	9,706	0	1,8
31-08-22	20:59:31	9,805	0	3,64
31-08-22	21:29:31	9,139	0	7,24
31-08-22	21:59:31	8,792	0	3,64
31-08-22	22:29:31	8,742	0	5,44
31-08-22	22:59:31	8,419	0	5,44
31-08-22	23:29:31	8,195	0	5,44
31-08-22	23:59:31	7,87	0	5,44
01-09-22	00:29:31	7,645	0	5,44
01-09-22	00:59:31	7,745	0	9,07
01-09-22	01:29:31	7,519	0	7,24
01-09-22	01:59:31	7,343	0	9,07
01-09-22	02:29:31	7,041	0	12,67
01-09-22	02:59:31	7,444	0	14,51
01-09-22	03:29:31	7,242	0	14,51
01-09-22	03:59:31	7,217	0	14,51
01-09-22	04:29:31	7,015	0	14,51
01-09-22	04:59:31	7,066	0	14,51
01-09-22	05:29:31	7,091	0	12,67
01-09-22	05:59:31	7,015	0	14,51
01-09-22	06:29:31	7,116	0,2	16,31
01-09-22	06:59:31	7,469	0,6	16,31
01-09-22	07:29:31	7,368	0,4	14,51
01-09-22	07:59:31	6,914	1,4	5,44
01-09-22	08:29:31	7,015	0,6	3,64
01-09-22	08:59:31	6,839	0,4	5,44
01-09-22	09:29:31	7,142	0,2	5,44
01-09-22	09:59:31	7,393	0	7,24
01-09-22	10:29:31	7,92	0	9,07
01-09-22	10:59:31	7,92	0	7,24
01-09-22	11:29:31	8,494	0,2	7,24

01-09-22	11:59:31	7,795	0,4	9,07
01-09-22	12:29:31	7,995	0	9,07
01-09-22	12:59:31	7,217	0,2	9,07
01-09-22	13:29:31	7,318	0,4	7,24
01-09-22	13:59:31	7,695	0	9,07
01-09-22	14:29:31	7,845	0	9,07
01-09-22	14:59:31	7,343	0	9,07
01-09-22	15:29:31	7,519	0	5,44
01-09-22	15:59:31	7,217	0,2	7,24
01-09-22	16:29:31	7,77	0	7,24
01-09-22	16:59:31	7,393	0,2	5,44
01-09-22	17:29:31	7,167	0	9,07
01-09-22	17:59:31	7,318	0	5,44
01-09-22	18:29:31	7,419	0	5,44
01-09-22	18:59:31	7,569	0	3,64
01-09-22	19:29:31	7,845	0	1,8
01-09-22	19:59:31	7,945	0	3,64
01-09-22	20:29:31	7,72	0	1,8
01-09-22	20:59:31	7,368	0	1,8
01-09-22	21:29:31	5,565	0	0
01-09-22	21:59:31	4,895	0	0
01-09-22	22:29:31	3,301	0	0
01-09-22	22:59:31	2,396	0	0
01-09-22	23:29:31	2,209	0	0
01-09-22	23:59:31	5,719	0	0
02-09-22	00:29:31	6,179	0	1,8
02-09-22	00:59:31	6,737	0	1,8
02-09-22	01:29:31	6,889	0	1,8
02-09-22	01:59:31	7,066	0	3,64
02-09-22	02:29:31	7,444	0	5,44
02-09-22	02:59:31	7,72	0	5,44
02-09-22	03:29:31	8,419	0	5,44
02-09-22	03:59:31	8,444	0	1,8
02-09-22	04:29:31	8,668	0	3,64
02-09-22	04:59:31	7,795	0	0
02-09-22	05:29:31	8,99	0	1,8
02-09-22	05:59:31	8,693	0	3,64
02-09-22	06:29:31	5,411	0	1,8
02-09-22	06:59:31	5,642	0	0
02-09-22	07:29:31	9,163	0	0
02-09-22	07:59:31	10,051	0	5,44
02-09-22	08:29:31	10,932	0	7,24
02-09-22	08:59:31	12,243	0	14,51
02-09-22	09:29:31	12,968	0	14,51
02-09-22	09:59:31	13,858	0	18,11
02-09-22	10:29:31	14,936	0	18,11
02-09-22	10:59:31	16,106	0	18,11

02-09-22	11:29:31	16,582	0	23,54
02-09-22	11:59:31	17,463	0	21,74
02-09-22	12:29:31	17,701	0	25,38
02-09-22	12:59:31	18,343	0	23,54
02-09-22	13:29:31	19,603	0	21,74
02-09-22	13:59:31	19,746	0	19,94
02-09-22	14:29:31	20,174	0	16,31
02-09-22	14:59:31	20,793	0	16,31
02-09-22	15:29:31	21,557	0	16,31
02-09-22	15:59:31	22,417	0	12,67
02-09-22	16:29:31	22,585	0	14,51
02-09-22	16:59:31	22,968	0	18,11
02-09-22	17:29:31	23,136	0	19,94
02-09-22	17:59:31	23,448	0	21,74
02-09-22	18:29:31	23,376	0	19,94
02-09-22	18:59:31	23,088	0	16,31
02-09-22	19:29:31	22,585	0	14,51
02-09-22	19:59:31	22,298	0	12,67
02-09-22	20:29:31	22,011	0	12,67
02-09-22	20:59:31	21,652	0	10,87
02-09-22	21:29:31	21,748	0	12,67
02-09-22	21:59:31	23,424	0	21,74
02-09-22	22:29:31	23,472	0	28,98
02-09-22	22:59:31	23,16	0	30,82
02-09-22	23:29:31	23,328	0	30,82
02-09-22	23:59:31	23,184	0	30,82
03-09-22	00:29:31	23,016	0	30,82
03-09-22	00:59:31	22,489	0	28,98
03-09-22	01:29:31	22,537	0	28,98
03-09-22	01:59:31	21,27	0	14,51
03-09-22	02:29:31	16,534	4,4	12,67
03-09-22	02:59:31	16,773	0,4	9,07
03-09-22	03:29:31	16,201	1,6	10,87
03-09-22	03:59:31	15,366	0,4	7,24
03-09-22	04:29:31	15,008	0	7,24
03-09-22	04:59:31	15,008	0,4	10,87
03-09-22	05:29:31	14,385	0	7,24
03-09-22	05:59:31	14,242	0	10,87
03-09-22	06:29:31	14,29	0	12,67
03-09-22	06:59:31	14,457	0	16,31
03-09-22	07:29:31	12,316	0	16,31
03-09-22	07:59:31	11,248	0	5,44
03-09-22	08:29:31	11,224	0	10,87
03-09-22	08:59:31	11,029	0	9,07
03-09-22	09:29:31	10,345	0	9,07
03-09-22	09:59:31	10,296	0	5,44
03-09-22	10:29:31	10,124	0	9,07

03-09-22	10:59:31	10,81	0	7,24
03-09-22	11:29:31	10,198	0	9,07
03-09-22	11:59:31	12,025	0	10,87
03-09-22	12:29:31	11,102	0	12,67
03-09-22	12:59:31	12,243	0	14,51
03-09-22	13:29:31	9,583	0	12,67
03-09-22	13:59:31	11,662	0	12,67
03-09-22	14:29:31	10,932	0	12,67
03-09-22	14:59:31	9,977	0	10,87
03-09-22	15:29:31	10,638	0	10,87
03-09-22	15:59:31	10,001	0	12,67
03-09-22	16:29:31	9,435	0	12,67
03-09-22	16:59:31	8,742	0	10,87
03-09-22	17:29:31	8,12	0	9,07
03-09-22	17:59:31	8,07	0	9,07
03-09-22	18:29:31	7,645	0	7,24
03-09-22	18:59:31	7,444	0	9,07
03-09-22	19:29:31	7,293	0	7,24
03-09-22	19:59:31	7,217	0	7,24
03-09-22	20:29:31	7,066	0	7,24
03-09-22	20:59:31	6,813	0	12,67
03-09-22	21:29:31	6,864	0	7,24
03-09-22	21:59:31	6,026	0	5,44
03-09-22	22:29:31	5,668	0	3,64
03-09-22	22:59:31	5,949	0	1,8
03-09-22	23:29:31	6,051	0	3,64
03-09-22	23:59:31	5,745	0	5,44
04-09-22	00:29:31	5,488	0	3,64
04-09-22	00:59:31	5,205	0	1,8
04-09-22	01:29:31	4,74	0	3,64
04-09-22	01:59:31	4,454	0	5,44
04-09-22	02:29:31	4,22	0	5,44
04-09-22	02:59:31	4,089	0	1,8
04-09-22	03:29:31	4,037	0	3,64
04-09-22	03:59:31	4,272	0	1,8
04-09-22	04:29:31	4,324	0	0
04-09-22	04:59:31	4,272	0	1,8
04-09-22	05:29:31	4,246	0	1,8
04-09-22	05:59:31	4,089	0	1,8
04-09-22	06:29:31	4,115	0	1,8
04-09-22	06:59:31	4,35	0	0
04-09-22	07:29:31	4,766	0	1,8
04-09-22	07:59:31	5,385	0	1,8
04-09-22	08:29:31	6,281	0	0
04-09-22	08:59:31	6,99	0	1,8
04-09-22	09:29:31	6,839	0	0
04-09-22	09:59:31	9,312	0	0

04-09-22	10:29:31	8,817	0	1,8
04-09-22	10:59:31	9,361	0	1,8
04-09-22	11:29:31	9,336	0	5,44
04-09-22	11:59:31	8,817	0	7,24
04-09-22	12:29:31	10,956	0	3,64
04-09-22	12:59:31	12,413	0	0
04-09-22	13:29:31	13,497	0	0
04-09-22	13:59:31	13,738	0	0
04-09-22	14:29:31	14,337	0	0
04-09-22	14:59:31	15,151	0	1,8
04-09-22	15:29:31	14,936	0	1,8
04-09-22	15:59:31	16,058	0	0
04-09-22	16:29:31	16,534	0	0
04-09-22	16:59:31	15,891	0	0
04-09-22	17:29:31	15,676	0	0
04-09-22	17:59:31	15,008	0	5,44
04-09-22	18:29:31	14,84	0	5,44
04-09-22	18:59:31	13,954	0	3,64
04-09-22	19:29:31	10,247	0	0
04-09-22	19:59:31	6,788	0	0
04-09-22	20:29:31	4,688	0	0
04-09-22	20:59:31	3,512	0	0
04-09-22	21:29:31	3,406	0	0
04-09-22	21:59:31	3,749	0	0
04-09-22	22:29:31	4,402	0	0
04-09-22	22:59:31	3,538	0	0
04-09-22	23:29:31	3,485	0	0
04-09-22	23:59:31	3,485	0	0
05-09-22	00:29:31	3,696	0	0
05-09-22	00:59:31	4,376	0	0
05-09-22	01:29:31	4,999	0	0
05-09-22	01:59:31	4,973	0	0
05-09-22	02:29:31	4,636	0	0
05-09-22	02:59:31	4,61	0	0
05-09-22	03:29:31	5,539	0	0
05-09-22	03:59:31	8,568	0	3,64
05-09-22	04:29:31	8,22	0	3,64
05-09-22	04:59:31	8,543	0	3,64
05-09-22	05:29:31	8,693	0	5,44
05-09-22	05:59:31	8,618	0	3,64
05-09-22	06:29:31	8,866	0	3,64
05-09-22	06:59:31	9,188	0	7,24
05-09-22	07:29:31	9,41	0	7,24
05-09-22	07:59:31	9,731	0	10,87
05-09-22	08:29:31	10,149	0	9,07
05-09-22	08:59:31	11,005	0	9,07
05-09-22	09:29:31	11,904	0	9,07

05-09-22	09:59:31	13,209	0	10,87
05-09-22	10:29:31	14,29	0	16,31
05-09-22	10:59:31	15,414	0	9,07
05-09-22	11:29:31	16,249	0	7,24
05-09-22	11:59:31	15,724	0	7,24
05-09-22	12:29:31	16,677	0	10,87
05-09-22	12:59:31	17,558	0	16,31
05-09-22	13:29:31	17,344	0	18,11
05-09-22	13:59:31	17,629	0	19,94
05-09-22	14:29:31	17,891	0	14,51
05-09-22	14:59:31	18,105	0	10,87
05-09-22	15:29:31	17,891	0	5,44
05-09-22	15:59:31	19,888	0	5,44
05-09-22	16:29:31	20,15	0	10,87
05-09-22	16:59:31	20,174	0	7,24
05-09-22	17:29:31	19,46	0	9,07
05-09-22	17:59:31	19,413	0	9,07
05-09-22	18:29:31	18,557	0	5,44
05-09-22	18:59:31	16,701	0	1,8
05-09-22	19:29:31	12,896	0	0
05-09-22	19:59:31	10,932	0	0
05-09-22	20:29:31	10,345	0	0
05-09-22	20:59:31	10,124	0	0
05-09-22	21:29:31	9,558	0	0
05-09-22	21:59:31	9,139	0	0
05-09-22	22:29:31	8,344	0	0
05-09-22	22:59:31	7,82	0	0
05-09-22	23:29:31	8,965	0	0
05-09-22	23:59:31	7,368	0	0
06-09-22	00:29:31	11,273	0	1,8
06-09-22	00:59:31	11,516	0	3,64
06-09-22	01:29:31	11,759	0	1,8
06-09-22	01:59:31	12,896	0	5,44
06-09-22	02:29:31	10,32	0	0
06-09-22	02:59:31	10,222	0	0
06-09-22	03:29:31	12,219	0	0
06-09-22	03:59:31	9,485	0	0
06-09-22	04:29:31	7,519	0	0
06-09-22	04:59:31	6,813	0	0
06-09-22	05:29:31	5,591	0	0
06-09-22	05:59:31	6,204	0	0
06-09-22	06:29:31	7,268	0	0
06-09-22	06:59:31	7,444	0	0
06-09-22	07:29:31	9,657	0	0
06-09-22	07:59:31	12,703	0	1,8
06-09-22	08:29:31	13,666	0	1,8
06-09-22	08:59:31	15,796	0	5,44

06-09-22	09:29:31	16,606	0	7,24
06-09-22	09:59:31	17,748	0	5,44
06-09-22	10:29:31	18,985	0	7,24
06-09-22	10:59:31	19,555	0	7,24
06-09-22	11:29:31	20,317	0	7,24
06-09-22	11:59:31	21,39	0	7,24
06-09-22	12:29:31	21,652	0	9,07
06-09-22	12:59:31	22,226	0	9,07
06-09-22	13:29:31	22,944	0	9,07
06-09-22	13:59:31	23,256	0	9,07
06-09-22	14:29:31	24,363	0	9,07
06-09-22	14:59:31	24,629	0	7,24
06-09-22	15:29:31	24,605	0	5,44
06-09-22	15:59:31	25,162	0	5,44
06-09-22	16:29:31	25,574	0	5,44
06-09-22	16:59:31	25,38	0	3,64
06-09-22	17:29:31	24,798	0	3,64
06-09-22	17:59:31	23,93	0	1,8
06-09-22	18:29:31	22,609	0	0
06-09-22	18:59:31	19,888	0	0
06-09-22	19:29:31	15,891	0	0
06-09-22	19:59:31	12,871	0	0
06-09-22	20:29:31	11,783	0	0
06-09-22	20:59:31	10,222	0	0
06-09-22	21:29:31	9,682	0	0
06-09-22	21:59:31	9,583	0	0
06-09-22	22:29:31	8,643	0	0
06-09-22	22:59:31	8,295	0	0
06-09-22	23:29:31	8,394	0	0
06-09-22	23:59:31	7,795	0	0
07-09-22	00:29:31	7,845	0	0
07-09-22	00:59:31	8,767	0	0
07-09-22	01:29:31	8,419	0	0
07-09-22	01:59:31	7,97	0	0
07-09-22	02:29:31	7,72	0	0
07-09-22	02:59:31	7,695	0	0
07-09-22	03:29:31	7,845	0	0
07-09-22	03:59:31	7,469	0	0
07-09-22	04:29:31	7,92	0	0
07-09-22	04:59:31	6,636	0	0
07-09-22	05:29:31	7,066	0	0
07-09-22	05:59:31	6,737	0	0
07-09-22	06:29:31	7,92	0	0
07-09-22	06:59:31	7,594	0	0
07-09-22	07:29:31	10,369	0	0
07-09-22	07:59:31	12,025	0	0
07-09-22	08:29:31	14,505	0	0

07-09-22	08:59:31	16,487	0	3,64
07-09-22	09:29:31	18,461	0	5,44
07-09-22	09:59:31	19,08	0	7,24
07-09-22	10:29:31	18,889	0	5,44
07-09-22	10:59:31	18,129	0	10,87
07-09-22	11:29:31	18,271	0	10,87
07-09-22	11:59:31	17,938	0	5,44
07-09-22	12:29:31	18,105	0	5,44
07-09-22	12:59:31	18,081	0	0
07-09-22	13:29:31	19,246	0	1,8
07-09-22	13:59:31	22,106	0	9,07
07-09-22	14:29:31	21,843	0	7,24
07-09-22	14:59:31	21,485	0	5,44
07-09-22	15:29:31	21,27	0	5,44
07-09-22	15:59:31	21,652	0	5,44
07-09-22	16:29:31	21,223	0	5,44
07-09-22	16:59:31	20,436	0	5,44
07-09-22	17:29:31	21,199	0	9,07
07-09-22	17:59:31	20,222	0	7,24
07-09-22	18:29:31	19,008	0	5,44
07-09-22	18:59:31	17,391	0	7,24
07-09-22	19:29:31	16,844	0	5,44
07-09-22	19:59:31	15,461	0	1,8
07-09-22	20:29:31	14,002	0	1,8
07-09-22	20:59:31	11,904	0	0
07-09-22	21:29:31	9,854	0	0
07-09-22	21:59:31	8,643	0	0
07-09-22	22:29:31	7,091	0	0
07-09-22	22:59:31	6,509	0	0
07-09-22	23:29:31	5,668	0	0
07-09-22	23:59:31	5,872	0	0
08-09-22	00:29:31	5,77	0	0
08-09-22	00:59:31	4,35	0	0
08-09-22	01:29:31	4,272	0	0
08-09-22	01:59:31	3,354	0	0
08-09-22	02:29:31	3,327	0	0
08-09-22	02:59:31	2,61	0	0
08-09-22	03:29:31	2,983	0	0
08-09-22	03:59:31	2,85	0	0
08-09-22	04:29:31	2,021	0	0
08-09-22	04:59:31	1,94	0	0
08-09-22	05:29:31	1,751	0	0
08-09-22	05:59:31	1,967	0	0
08-09-22	06:29:31	1,751	0	0
08-09-22	06:59:31	2,477	0	0
08-09-22	07:29:31	3,749	0	0
08-09-22	07:59:31	6,864	0	0

08-09-22	08:29:31	8,02	0	0
08-09-22	08:59:31	10,296	0	1,8
08-09-22	09:29:31	12,025	0	0
08-09-22	09:59:31	13,954	0	0
08-09-22	10:29:31	15,676	0	0
08-09-22	10:59:31	18,58	0	1,8
08-09-22	11:29:31	20,293	0	1,8
08-09-22	11:59:31	20,698	0	0
08-09-22	12:29:31	19,746	0	3,64
08-09-22	12:59:31	20,293	0	5,44
08-09-22	13:29:31	20,793	0	3,64
08-09-22	13:59:31	22,034	0	1,8
08-09-22	14:29:31	22,345	0	3,64
08-09-22	14:59:31	22,034	0	5,44
08-09-22	15:29:31	22,633	0	3,64
08-09-22	15:59:31	21,652	0	3,64
08-09-22	16:29:31	21,748	0	3,64
08-09-22	16:59:31	22,011	0	7,24
08-09-22	17:29:31	21,676	0	7,24
08-09-22	17:59:31	20,555	0	5,44
08-09-22	18:29:31	19,365	0	1,8
08-09-22	18:59:31	17,915	0	0
08-09-22	19:29:31	16,439	0	0
08-09-22	19:59:31	15,342	0	0
08-09-22	20:29:31	11,734	0	0
08-09-22	20:59:31	12,122	0	0
08-09-22	21:29:31	15,963	0	0
08-09-22	21:59:31	16,32	0	1,8
08-09-22	22:29:31	16,439	0	1,8
08-09-22	22:59:31	16,463	0	1,8
08-09-22	23:29:31	16,725	0	5,44
08-09-22	23:59:31	16,749	0	7,24
09-09-22	00:29:31	16,582	0	7,24
09-09-22	00:59:31	16,368	0	9,07
09-09-22	01:29:31	16,058	0	7,24
09-09-22	01:59:31	16,225	0	9,07
09-09-22	02:29:31	16,201	0	7,24
09-09-22	02:59:31	16,249	0	7,24
09-09-22	03:29:31	16,272	0	9,07
09-09-22	03:59:31	16,32	0	7,24
09-09-22	04:29:31	16,32	0	9,07
09-09-22	04:59:31	16,392	0	9,07
09-09-22	05:29:31	16,082	0	9,07
09-09-22	05:59:31	15,986	0	9,07
09-09-22	06:29:31	16,272	0	10,87
09-09-22	06:59:31	16,392	0	12,67
09-09-22	07:29:31	16,749	0	16,31

09-09-22	07:59:31	16,582	0	14,51
09-09-22	08:29:31	17,558	0	19,94
09-09-22	08:59:31	18,152	0	23,54
09-09-22	09:29:31	18,247	0	21,74
09-09-22	09:59:31	18,628	0	19,94
09-09-22	10:29:31	19,222	0	21,74
09-09-22	10:59:31	19,175	0	19,94
09-09-22	11:29:31	19,817	0	19,94
09-09-22	11:59:31	19,912	0	16,31
09-09-22	12:29:31	19,912	0	14,51
09-09-22	12:59:31	20,341	0	12,67
09-09-22	13:29:31	21,843	0	10,87
09-09-22	13:59:31	22,178	0	9,07
09-09-22	14:29:31	21,843	0	14,51
09-09-22	14:59:31	21,963	0	10,87
09-09-22	15:29:31	21,867	0	10,87
09-09-22	15:59:31	21,628	0	7,24
09-09-22	16:29:31	21,963	0	9,07
09-09-22	16:59:31	21,39	0	9,07
09-09-22	17:29:31	20,793	0	7,24
09-09-22	17:59:31	20,555	0	3,64
09-09-22	18:29:31	20,579	0	1,8
09-09-22	18:59:31	20,317	0	0
09-09-22	19:29:31	19,365	0	1,8
09-09-22	19:59:31	18,414	0	0
09-09-22	20:29:31	18,129	0	0
09-09-22	20:59:31	17,891	0	0
09-09-22	21:29:31	17,534	0	0
09-09-22	21:59:31	17,653	0	0
09-09-22	22:29:31	17,32	0	0
09-09-22	22:59:31	18,628	0	1,8
09-09-22	23:29:31	19,151	0	9,07
09-09-22	23:59:31	18,01	0	5,44
10-09-22	00:29:31	16,987	0	5,44
10-09-22	00:59:31	15,963	0	0
10-09-22	01:29:31	15,39	0	0
10-09-22	01:59:31	14,912	0	0
10-09-22	02:29:31	14,745	0	0
10-09-22	02:59:31	14,649	0	0
10-09-22	03:29:31	14,553	0	0
10-09-22	03:59:31	14,29	0	0
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10-09-22	04:59:31	14,505	0	0
10-09-22	05:29:31	14,266	0	0
10-09-22	05:59:31	15,223	0	0
10-09-22	06:29:31	15,39	0	0
10-09-22	06:59:31	16,177	0	3,64

10-09-22	07:29:31	16,225	0	1,8
10-09-22	07:59:31	16,558	0	5,44
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10-09-22	09:29:31	17,391	0	12,67
10-09-22	09:59:31	17,915	0	12,67
10-09-22	10:29:31	19,103	0	10,87
10-09-22	10:59:31	18,985	0	7,24
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10-09-22	11:59:31	19,46	0	7,24
10-09-22	12:29:31	19,318	0	5,44
10-09-22	12:59:31	18,39	0	5,44
10-09-22	13:29:31	17,677	0	5,44
10-09-22	13:59:31	16,677	0	5,44
10-09-22	14:29:31	16,82	0	3,64
10-09-22	14:59:31	15,819	0	5,44
10-09-22	15:29:31	15,629	0	3,64
10-09-22	15:59:31	15,055	0	3,64
10-09-22	16:29:31	14,912	0	3,64
10-09-22	16:59:31	14,84	0	1,8
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10-09-22	17:59:31	13,978	0	1,8
10-09-22	18:29:31	13,954	0	0
10-09-22	18:59:31	13,81	0	0
10-09-22	19:29:31	13,594	0,2	0
10-09-22	19:59:31	13,473	0	0
10-09-22	20:29:31	13,401	0	0
10-09-22	20:59:31	13,329	0,2	0
10-09-22	21:29:31	13,112	2	1,8
10-09-22	21:59:31	12,968	1,4	0
10-09-22	22:29:31	12,703	0	0
10-09-22	22:59:31	12,509	0,2	0
10-09-22	23:29:31	12,292	0	0
10-09-22	23:59:31	12,171	0	0
11-09-22	00:29:31	12,122	0	0
11-09-22	00:59:31	12,074	0,2	0
11-09-22	01:29:31	12,243	0	0
11-09-22	01:59:31	12,147	0	0
11-09-22	02:29:31	12,219	0,2	0
11-09-22	02:59:31	12,195	0,6	0
11-09-22	03:29:31	12,316	0,4	0
11-09-22	03:59:31	12,195	0,2	0
11-09-22	04:29:31	12,171	0,2	0
11-09-22	04:59:31	12,025	0	0
11-09-22	05:29:31	12,05	0	0
11-09-22	05:59:31	12,05	0	0
11-09-22	06:29:31	12,147	0	0

11-09-22	06:59:31	12,316	0	0
11-09-22	07:29:31	12,678	0	0
11-09-22	07:59:31	12,823	0	0
11-09-22	08:29:31	12,92	0	0
11-09-22	08:59:31	13,088	0	1,8
11-09-22	09:29:31	13,497	0,2	1,8
11-09-22	09:59:31	13,425	0	3,64
11-09-22	10:29:31	13,954	0	3,64
11-09-22	10:59:31	14,337	0	1,8
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11-09-22	11:59:31	14,074	0	1,8
11-09-22	12:29:31	14,026	0	3,64
11-09-22	12:59:31	13,882	0	3,64
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11-09-22	13:59:31	13,93	0	1,8
11-09-22	14:29:31	13,978	0	0
11-09-22	14:59:31	13,618	0	1,8
11-09-22	15:29:31	14,242	0	3,64
11-09-22	15:59:31	13,978	0	3,64
11-09-22	16:29:31	14,601	0	3,64
11-09-22	16:59:31	15,223	0	1,8
11-09-22	17:29:31	16,058	0	1,8
11-09-22	17:59:31	15,461	0	3,64
11-09-22	18:29:31	14,409	0	0
11-09-22	18:59:31	13,714	0	0
11-09-22	19:29:31	11,053	0	0
11-09-22	19:59:31	9,312	0	0
11-09-22	20:29:31	8,095	0	0
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11-09-22	21:29:31	6,255	0	0
11-09-22	21:59:31	5,231	0	0
11-09-22	22:29:31	5,076	0	0
11-09-22	22:59:31	5,024	0	0
11-09-22	23:29:31	3,195	0	0
11-09-22	23:59:31	3,538	0	0
12-09-22	00:29:31	3,274	0	0
12-09-22	00:59:31	2,557	0	0
12-09-22	01:29:31	3,248	0	0
12-09-22	01:59:31	2,503	0	0
12-09-22	02:29:31	2,53	0	0
12-09-22	02:59:31	3,801	0	0
12-09-22	03:29:31	2,823	0	0
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12-09-22	04:29:31	2,101	0	0
12-09-22	04:59:31	2,557	0	0
12-09-22	05:29:31	2,343	0	0
12-09-22	05:59:31	2,503	0	0

12-09-22	06:29:31	2,021	0	0
12-09-22	06:59:31	2,155	0	0
12-09-22	07:29:31	3,749	0	0
12-09-22	07:59:31	6,712	0	0
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12-09-22	08:59:31	10,492	0	0
12-09-22	09:29:31	12,122	0	0
12-09-22	09:59:31	14,026	0	0
12-09-22	10:29:31	15,533	0	1,8
12-09-22	10:59:31	17,034	0	1,8
12-09-22	11:29:31	17,582	0	1,8
12-09-22	11:59:31	17,891	0	1,8
12-09-22	12:29:31	18,747	0	1,8
12-09-22	12:59:31	19,817	0	1,8
12-09-22	13:29:31	21,342	0	0
12-09-22	13:59:31	21,27	0	1,8
12-09-22	14:29:31	19,865	0	3,64
12-09-22	14:59:31	20,579	0	1,8
12-09-22	15:29:31	20,555	0	0
12-09-22	15:59:31	20,555	0	0
12-09-22	16:29:31	21,867	0	0
12-09-22	16:59:31	21,103	0	0
12-09-22	17:29:31	20,603	0	0
12-09-22	17:59:31	20,15	0	0
12-09-22	18:29:31	18,628	0	0
12-09-22	18:59:31	16,106	0	0
12-09-22	19:29:31	11,807	0	0
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12-09-22	21:29:31	6,889	0	0
12-09-22	21:59:31	6,23	0	0
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12-09-22	22:59:31	5,924	0	0
12-09-22	23:29:31	4,506	0	0
12-09-22	23:59:31	4,141	0	0
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13-09-22	03:59:31	2,637	0	0
13-09-22	04:29:31	2,797	0	0
13-09-22	04:59:31	2,584	0	0
13-09-22	05:29:31	2,423	0	0

13-09-22	05:59:31	2,45	0	0
13-09-22	06:29:31	3,433	0	0
13-09-22	06:59:31	3,801	0	0
13-09-22	07:29:31	5,205	0	0
13-09-22	07:59:31	9,558	0	0
13-09-22	08:29:31	11,71	0	0
13-09-22	08:59:31	13,377	0	0
13-09-22	09:29:31	14,05	0	0
13-09-22	09:59:31	15,031	0	3,64
13-09-22	10:29:31	16,058	0	3,64
13-09-22	10:59:31	17,772	0	1,8
13-09-22	11:29:31	18,794	0	0
13-09-22	11:59:31	19,484	0	3,64
13-09-22	12:29:31	19,294	0	7,24
13-09-22	12:59:31	19,651	0	7,24
13-09-22	13:29:31	21,461	0	5,44
13-09-22	13:59:31	21,056	0	5,44
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13-09-22	15:29:31	20,246	0	3,64
13-09-22	15:59:31	19,817	0	3,64
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13-09-22	16:59:31	19,865	0	1,8
13-09-22	17:29:31	19,579	0	3,64
13-09-22	17:59:31	18,889	0	1,8
13-09-22	18:29:31	17,819	0	0
13-09-22	18:59:31	16,201	0	0
13-09-22	19:29:31	13,786	0	0
13-09-22	19:59:31	11,953	0	0
13-09-22	20:29:31	15,509	0	1,8
13-09-22	20:59:31	15,223	0	5,44
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13-09-22	21:59:31	13,449	0	9,07
13-09-22	22:29:31	12,727	0	9,07
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14-09-22	00:29:31	11,589	0	12,67
14-09-22	00:59:31	11,248	0	12,67
14-09-22	01:29:31	10,81	0	10,87
14-09-22	01:59:31	10,834	0	7,24
14-09-22	02:29:31	10,956	0	7,24
14-09-22	02:59:31	10,712	0	9,07
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14-09-22	03:59:31	10,149	0	7,24
14-09-22	04:29:31	9,829	0	9,07
14-09-22	04:59:31	9,435	0	10,87

14-09-22	05:29:31	8,319	0	12,67
14-09-22	05:59:31	7,645	0	10,87
14-09-22	06:29:31	7,594	0	10,87
14-09-22	06:59:31	6,965	0	10,87
14-09-22	07:29:31	7,015	0	10,87
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14-09-22	08:29:31	7,318	0	10,87
14-09-22	08:59:31	7,368	0	12,67
14-09-22	09:29:31	7,745	0	12,67
14-09-22	09:59:31	8,07	0	14,51
14-09-22	10:29:31	8,494	0	14,51
14-09-22	10:59:31	10,296	0	12,67
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14-09-22	11:59:31	12,678	0	12,67
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14-09-22	13:29:31	12,292	0	16,31
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14-09-22	14:59:31	10,222	0	12,67
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14-09-22	16:59:31	9,928	0	10,87
14-09-22	17:29:31	9,805	0	10,87
14-09-22	17:59:31	9,262	0	10,87
14-09-22	18:29:31	8,841	0	10,87
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14-09-22	22:59:31	5,77	0	7,24
14-09-22	23:29:31	5,668	0	9,07
14-09-22	23:59:31	5,719	0	7,24
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15-09-22	01:59:31	4,921	0	7,24
15-09-22	02:29:31	4,844	0	7,24
15-09-22	02:59:31	4,376	0	7,24
15-09-22	03:29:31	4,454	0	5,44
15-09-22	03:59:31	4,558	0	7,24
15-09-22	04:29:31	4,48	0	7,24

15-09-22	04:59:31	4,454	0	9,07
15-09-22	05:29:31	4,454	0	9,07
15-09-22	05:59:31	4,428	0	7,24
15-09-22	06:29:31	4,141	0	7,24
15-09-22	06:59:31	4,194	0	7,24
15-09-22	07:29:31	4,532	0	7,24
15-09-22	07:59:31	4,947	0	7,24
15-09-22	08:29:31	5,179	0	7,24
15-09-22	08:59:31	5,719	0	7,24
15-09-22	09:29:31	6,077	0	9,07
15-09-22	09:59:31	5,975	0	9,07
15-09-22	10:29:31	7,444	0	9,07
15-09-22	10:59:31	7,293	0	9,07
15-09-22	11:29:31	8,916	0	7,24
15-09-22	11:59:31	7,77	0	9,07
15-09-22	12:29:31	8,02	0	9,07
15-09-22	12:59:31	9,262	0	7,24
15-09-22	13:29:31	9,04	0	9,07
15-09-22	13:59:31	9,287	0	7,24
15-09-22	14:29:31	9,139	0	7,24
15-09-22	14:59:31	8,965	0	7,24
15-09-22	15:29:31	8,369	0	7,24
15-09-22	15:59:31	8,17	0	7,24
15-09-22	16:29:31	8,045	0	9,07
15-09-22	16:59:31	7,92	0	7,24
15-09-22	17:29:31	8,12	0	9,07
15-09-22	17:59:31	7,87	0	7,24
15-09-22	18:29:31	7,594	0	5,44
15-09-22	18:59:31	7,167	0	5,44
15-09-22	19:29:31	6,99	0	3,64
15-09-22	19:59:31	6,661	0	3,64
15-09-22	20:29:31	6,813	0	5,44
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15-09-22	21:59:31	6,585	0	3,64
15-09-22	22:29:31	6,306	0	3,64
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16-09-22	00:29:31	6,077	0	5,44
16-09-22	00:59:31	5,642	0	5,44
16-09-22	01:29:31	5,668	0	3,64
16-09-22	01:59:31	5,668	0	3,64
16-09-22	02:29:31	5,024	0	1,8
16-09-22	02:59:31	5,102	0	3,64
16-09-22	03:29:31	4,688	0	1,8
16-09-22	03:59:31	4,272	0	1,8

16-09-22	04:29:31	3,88	0	1,8
16-09-22	04:59:31	3,168	0	3,64
16-09-22	05:29:31	3,168	0	3,64
16-09-22	05:59:31	3,221	0	3,64
16-09-22	06:29:31	3,274	0	0
16-09-22	06:59:31	2,316	0	0
16-09-22	07:29:31	4,48	0	1,8
16-09-22	07:59:31	5,154	0	3,64
16-09-22	08:29:31	6,56	0	1,8
16-09-22	08:59:31	8,593	0	5,44
16-09-22	09:29:31	8,817	0	7,24
16-09-22	09:59:31	8,891	0	7,24
16-09-22	10:29:31	10,467	0	5,44
16-09-22	10:59:31	12,05	0	7,24
16-09-22	11:29:31	12,219	0	5,44
16-09-22	11:59:31	13,161	0	5,44
16-09-22	12:29:31	13,305	0	7,24
16-09-22	12:59:31	12,001	0	5,44
16-09-22	13:29:31	14,864	0	3,64
16-09-22	13:59:31	14,816	0	5,44
16-09-22	14:29:31	14,529	0	7,24
16-09-22	14:59:31	15,414	0	7,24
16-09-22	15:29:31	13,786	0	7,24
16-09-22	15:59:31	15,318	0	5,44
16-09-22	16:29:31	15,986	0	7,24
16-09-22	16:59:31	15,414	0	7,24
16-09-22	17:29:31	13,858	0	5,44
16-09-22	17:59:31	12,92	0	1,8
16-09-22	18:29:31	11,394	0	0
16-09-22	18:59:31	11,005	0	0
16-09-22	19:29:31	9,287	0	0
16-09-22	19:59:31	9,78	0	0
16-09-22	20:29:31	9,805	0	0
16-09-22	20:59:31	6,889	0	0
16-09-22	21:29:31	5,024	0	0
16-09-22	21:59:31	4,947	0	0
16-09-22	22:29:31	5,539	0	0
16-09-22	22:59:31	4,973	0	0
16-09-22	23:29:31	2,584	0	0
16-09-22	23:59:31	1,724	0	0
17-09-22	00:29:31	2,343	0	0
17-09-22	00:59:31	1,371	0	0
17-09-22	01:29:31	1,48	0	0
17-09-22	01:59:31	2,823	0	0
17-09-22	02:29:31	4,246	0	0
17-09-22	02:59:31	5,539	0	3,64
17-09-22	03:29:31	5,668	0	3,64

17-09-22	03:59:31	4,61	0	5,44
17-09-22	04:29:31	4,584	0	3,64
17-09-22	04:59:31	5,024	0	3,64
17-09-22	05:29:31	3,67	0	3,64
17-09-22	05:59:31	4,141	0	3,64
17-09-22	06:29:31	4,376	0	3,64
17-09-22	06:59:31	4,792	0	1,8
17-09-22	07:29:31	5,179	0	1,8
17-09-22	07:59:31	5,462	0	1,8
17-09-22	08:29:31	6,128	0	3,64
17-09-22	08:59:31	7,116	0	3,64
17-09-22	09:29:31	7,544	0	3,64
17-09-22	09:59:31	8,618	0	1,8
17-09-22	10:29:31	10,296	0	1,8
17-09-22	10:59:31	11,492	0	5,44
17-09-22	11:29:31	13,473	0	7,24
17-09-22	11:59:31	14,385	0	7,24
17-09-22	12:29:31	15,652	0	9,07
17-09-22	12:59:31	15,414	0	7,24
17-09-22	13:29:31	15,557	0	7,24
17-09-22	13:59:31	16,01	0	7,24
17-09-22	14:29:31	15,843	0	7,24
17-09-22	14:59:31	16,796	0	7,24
17-09-22	15:29:31	15,557	0	7,24
17-09-22	15:59:31	16,749	0	5,44
17-09-22	16:29:31	15,318	0	7,24
17-09-22	16:59:31	16,272	0	7,24
17-09-22	17:29:31	15,39	0	9,07
17-09-22	17:59:31	13,57	0	5,44
17-09-22	18:29:31	12,243	0	1,8
17-09-22	18:59:31	11,078	0	3,64
17-09-22	19:29:31	9,756	0	1,8
17-09-22	19:59:31	8,369	0	0
17-09-22	20:29:31	7,519	0	3,64
17-09-22	20:59:31	7,192	0	3,64
17-09-22	21:29:31	6,128	0	3,64
17-09-22	21:59:31	5,385	0	3,64
17-09-22	22:29:31	3,354	0	1,8
17-09-22	22:59:31	3,274	0	1,8
17-09-22	23:29:31	2,93	0	1,8
17-09-22	23:59:31	2,477	0	1,8
18-09-22	00:29:31	0,605	0	0
18-09-22	00:59:31	-1,67	0	0
18-09-22	01:29:31	-1,9	0	0
18-09-22	01:59:31	-1,756	0	0
18-09-22	02:29:31	-1,613	0	0
18-09-22	02:59:31	-1,842	0	0

18-09-22	03:29:31	-2,16	0	0
18-09-22	03:59:31	-0,676	0	0
18-09-22	04:29:31	-0,143	0	0
18-09-22	04:59:31	0,329	0	0
18-09-22	05:29:31	-0,817	0	0
18-09-22	05:59:31	-1,929	0	0
18-09-22	06:29:31	-0,255	0	0
18-09-22	06:59:31	-0,004	0	0
18-09-22	07:29:31	0,329	0	1,8
18-09-22	07:59:31	2,289	0	0
18-09-22	08:29:31	3,722	0	0
18-09-22	08:59:31	6,306	0	1,8
18-09-22	09:29:31	7,142	0	1,8
18-09-22	09:59:31	8,941	0	1,8
18-09-22	10:29:31	9,41	0	1,8
18-09-22	10:59:31	10,614	0	1,8
18-09-22	11:29:31	11,516	0	1,8
18-09-22	11:59:31	12,195	0	1,8
18-09-22	12:29:31	13,016	0	3,64
18-09-22	12:59:31	12,944	0	5,44
18-09-22	13:29:31	13,57	0	5,44
18-09-22	13:59:31	13,546	0	5,44
18-09-22	14:29:31	14,314	0	7,24
18-09-22	14:59:31	14,361	0	5,44
18-09-22	15:29:31	14,409	0	5,44
18-09-22	15:59:31	14,361	0	5,44
18-09-22	16:29:31	14,457	0	5,44
18-09-22	16:59:31	14,361	0	5,44
18-09-22	17:29:31	14,074	0	5,44
18-09-22	17:59:31	13,353	0	5,44
18-09-22	18:29:31	12,219	0	3,64
18-09-22	18:59:31	8,965	0	0
18-09-22	19:29:31	4,688	0	0
18-09-22	19:59:31	2,69	0	0
18-09-22	20:29:31	0,907	0	0
18-09-22	20:59:31	-0,311	0	0
18-09-22	21:29:31	-0,367	0	0
18-09-22	21:59:31	-0,06	0	0
18-09-22	22:29:31	0,88	0	1,8
18-09-22	22:59:31	-1,043	0	0
18-09-22	23:29:31	-0,845	0	0
18-09-22	23:59:31	0,989	0	0
19-09-22	00:29:31	1,832	0	1,8
19-09-22	00:59:31	1,94	0	1,8
19-09-22	01:29:31	2,637	0	1,8
19-09-22	01:59:31	2,155	0	1,8
19-09-22	02:29:31	2,209	0	1,8

19-09-22	02:59:31	1,67	0	0
19-09-22	03:29:31	1,262	0	0
19-09-22	03:59:31	0,577	0	1,8
19-09-22	04:29:31	2,236	0	0
19-09-22	04:59:31	1,153	0	3,64
19-09-22	05:29:31	0,934	0	3,64
19-09-22	05:59:31	0,522	0	1,8
19-09-22	06:29:31	0,467	0	0
19-09-22	06:59:31	0,825	0	3,64
19-09-22	07:29:31	1,588	0	3,64
19-09-22	07:59:31	3,512	0	3,64
19-09-22	08:29:31	5,539	0	3,64
19-09-22	08:59:31	8,045	0	3,64
19-09-22	09:29:31	9,04	0	1,8
19-09-22	09:59:31	11,492	0	1,8
19-09-22	10:29:31	12,195	0	3,64
19-09-22	10:59:31	13,353	0	5,44
19-09-22	11:29:31	13,618	0	5,44
19-09-22	11:59:31	14,457	0	5,44
19-09-22	12:29:31	15,7	0	3,64
19-09-22	12:59:31	15,557	0	5,44
19-09-22	13:29:31	16,773	0	5,44
19-09-22	13:59:31	16,177	0	5,44
19-09-22	14:29:31	17,51	0	3,64
19-09-22	14:59:31	17,796	0	3,64
19-09-22	15:29:31	17,748	0	3,64
19-09-22	15:59:31	17,938	0	3,64
19-09-22	16:29:31	17,796	0	3,64
19-09-22	16:59:31	17,605	0	3,64
19-09-22	17:29:31	16,344	0	3,64
19-09-22	17:59:31	14,577	0	1,8
19-09-22	18:29:31	12,413	0	0
19-09-22	18:59:31	10,026	0	0
19-09-22	19:29:31	8,444	0	0
19-09-22	19:59:31	7,066	0	0
19-09-22	20:29:31	6,611	0	0
19-09-22	20:59:31	6,813	0	0
19-09-22	21:29:31	6,839	0	1,8
19-09-22	21:59:31	6,509	0	1,8
19-09-22	22:29:31	4,584	0	0
19-09-22	22:59:31	2,262	0	0
19-09-22	23:29:31	6,128	0	1,8
19-09-22	23:59:31	5,719	0	0
20-09-22	00:29:31	4,869	0	0
20-09-22	00:59:31	1,398	0	0
20-09-22	01:29:31	0,55	0	0
20-09-22	01:59:31	0,024	0	0

20-09-22	02:29:31	0,412	0	0
20-09-22	02:59:31	-0,06	0	0
20-09-22	03:29:31	0,797	0	0
20-09-22	03:59:31	-1,242	0	0
20-09-22	04:29:31	0,467	0	1,8
20-09-22	04:59:31	-0,591	0	1,8
20-09-22	05:29:31	1,044	0	0
20-09-22	05:59:31	-0,591	0	0
20-09-22	06:29:31	-0,732	0	0
20-09-22	06:59:31	-1,043	0	0
20-09-22	07:29:31	1,561	0	0
20-09-22	07:59:31	7,619	0	3,64
20-09-22	08:29:31	8,295	0	9,07
20-09-22	08:59:31	9,682	0	9,07
20-09-22	09:29:31	10,467	0	10,87
20-09-22	09:59:31	11,904	0	10,87
20-09-22	10:29:31	13,088	0	9,07
20-09-22	10:59:31	14,05	0	9,07
20-09-22	11:29:31	14,553	0	10,87
20-09-22	11:59:31	14,721	0	12,67
20-09-22	12:29:31	15,7	0	9,07
20-09-22	12:59:31	15,843	0	12,67
20-09-22	13:29:31	16,32	0	12,67
20-09-22	13:59:31	15,915	0	12,67
20-09-22	14:29:31	16,344	0	14,51
20-09-22	14:59:31	16,844	0	14,51
20-09-22	15:29:31	17,011	0	12,67
20-09-22	15:59:31	17,891	0	14,51
20-09-22	16:29:31	17,034	0	16,31
20-09-22	16:59:31	17,486	0	12,67
20-09-22	17:29:31	16,654	0	10,87
20-09-22	17:59:31	16,892	0	9,07
20-09-22	18:29:31	16,153	0	12,67
20-09-22	18:59:31	15,342	0	5,44
20-09-22	19:29:31	14,96	0	3,64
20-09-22	19:59:31	14,361	0	1,8
20-09-22	20:29:31	13,954	0	3,64
20-09-22	20:59:31	13,81	0	5,44
20-09-22	21:29:31	13,618	0	5,44
20-09-22	21:59:31	13,329	0	3,64
20-09-22	22:29:31	13,137	0	3,64
20-09-22	22:59:31	12,582	0	5,44
20-09-22	23:29:31	12,751	0	7,24
20-09-22	23:59:31	12,534	0	12,67
21-09-22	00:29:31	12,437	0	12,67
21-09-22	00:59:31	12,171	0	12,67
21-09-22	01:29:31	11,613	0	9,07

21-09-22	01:59:31	11,686	0	12,67
21-09-22	02:29:31	11,856	0	16,31
21-09-22	02:59:31	11,856	0	14,51
21-09-22	03:29:31	11,637	0	14,51
21-09-22	03:59:31	11,394	0	16,31
21-09-22	04:29:31	11,589	0	18,11
21-09-22	04:59:31	10,516	0,8	19,94
21-09-22	05:29:31	10,712	0,2	12,67
21-09-22	05:59:31	11,224	0	14,51
21-09-22	06:29:31	11,2	2,8	18,11
21-09-22	06:59:31	10,761	4,8	16,31
21-09-22	07:29:31	10,907	0	18,11
21-09-22	07:59:31	11,029	0	16,31
21-09-22	08:29:31	11,419	0	18,11
21-09-22	08:59:31	11,759	0,2	19,94
21-09-22	09:29:31	12,292	0	21,74
21-09-22	09:59:31	12,461	0	23,54
21-09-22	10:29:31	12,582	0	23,54
21-09-22	10:59:31	12,558	0	21,74
21-09-22	11:29:31	12,751	0	21,74
21-09-22	11:59:31	12,92	0	19,94
21-09-22	12:29:31	12,944	0,4	23,54
21-09-22	12:59:31	13,04	0,2	21,74
21-09-22	13:29:31	13,281	0	19,94
21-09-22	13:59:31	12,944	0	18,11
21-09-22	14:29:31	12,437	1	16,31
21-09-22	14:59:31	12,558	1	16,31
21-09-22	15:29:31	12,871	0	19,94
21-09-22	15:59:31	12,703	0,6	18,11
21-09-22	16:29:31	12,703	0,6	18,11
21-09-22	16:59:31	12,896	0,2	14,51
21-09-22	17:29:31	12,92	0	14,51
21-09-22	17:59:31	11,565	4,6	7,24
21-09-22	18:29:31	11,759	0,8	1,8
21-09-22	18:59:31	11,953	0,2	1,8
21-09-22	19:29:31	12,098	1,4	3,64
21-09-22	19:59:31	11,516	0,4	3,64
21-09-22	20:29:31	11,078	0	5,44
21-09-22	20:59:31	9,977	0	3,64
21-09-22	21:29:31	9,238	0	3,64
21-09-22	21:59:31	7,945	0	7,24
21-09-22	22:29:31	7,419	0	7,24
21-09-22	22:59:31	7,419	0	7,24
21-09-22	23:29:31	7,519	0	5,44
21-09-22	23:59:31	7,419	0	7,24
22-09-22	00:29:31	7,569	0	9,07
22-09-22	00:59:31	7,293	0	10,87

22-09-22	01:29:31	7,469	0	10,87
22-09-22	01:59:31	7,419	0	10,87
22-09-22	02:29:31	7,268	0	9,07
22-09-22	02:59:31	7,167	0	9,07
22-09-22	03:29:31	6,965	0	9,07
22-09-22	03:59:31	6,204	0,2	9,07
22-09-22	04:29:31	5,796	0,2	7,24
22-09-22	04:59:31	5,437	0	7,24
22-09-22	05:29:31	5,231	0	9,07
22-09-22	05:59:31	5,128	0,2	9,07
22-09-22	06:29:31	5,024	0	9,07
22-09-22	06:59:31	4,921	0,2	9,07
22-09-22	07:29:31	4,74	0,4	9,07
22-09-22	07:59:31	4,636	0,4	9,07
22-09-22	08:29:31	4,428	0,2	10,87
22-09-22	08:59:31	4,584	0,2	10,87
22-09-22	09:29:31	4,506	0	9,07
22-09-22	09:59:31	4,999	0,4	10,87
22-09-22	10:29:31	4,844	0,2	9,07
22-09-22	10:59:31	5,154	0,2	10,87
22-09-22	11:29:31	5,334	0	12,67
22-09-22	11:59:31	4,921	0	9,07
22-09-22	12:29:31	4,895	0	9,07
22-09-22	12:59:31	5,128	0	10,87
22-09-22	13:29:31	5,437	0	10,87
22-09-22	13:59:31	5,462	0	12,67
22-09-22	14:29:31	5,282	0	12,67
22-09-22	14:59:31	5,231	0,2	12,67
22-09-22	15:29:31	4,844	0	16,31
22-09-22	15:59:31	5,102	0	14,51
22-09-22	16:29:31	4,532	0	14,51
22-09-22	16:59:31	4,506	0	12,67
22-09-22	17:29:31	4,141	0	14,51
22-09-22	17:59:31	3,958	0	16,31
22-09-22	18:29:31	3,696	0	14,51
22-09-22	18:59:31	3,67	0,2	14,51
22-09-22	19:29:31	3,354	0	10,87
22-09-22	19:59:31	3,116	0	10,87
22-09-22	20:29:31	2,903	0	9,07
22-09-22	20:59:31	2,823	0	10,87
22-09-22	21:29:31	2,983	0	10,87
22-09-22	21:59:31	2,717	0	10,87
22-09-22	22:29:31	2,396	0	10,87
22-09-22	22:59:31	2,343	0	9,07
22-09-22	23:29:31	2,262	0	10,87
22-09-22	23:59:31	2,074	0	9,07
23-09-22	00:29:31	1,913	0	9,07

23-09-22	00:59:31	1,371	0	7,24
23-09-22	01:29:31	1,017	0	7,24
23-09-22	01:59:31	0,742	0	7,24
23-09-22	02:29:31	0,797	0	5,44
23-09-22	02:59:31	0,522	0	3,64
23-09-22	03:29:31	0,024	0	5,44
23-09-22	03:59:31	-0,255	0	3,64
23-09-22	04:29:31	-0,395	0	1,8
23-09-22	04:59:31	-0,76	0	1,8
23-09-22	05:29:31	-0,76	0	3,64
23-09-22	05:59:31	-0,507	0	1,8
23-09-22	06:29:31	-1,043	0	1,8
23-09-22	06:59:31	-0,704	0	1,8
23-09-22	07:29:31	-0,507	0	1,8
23-09-22	07:59:31	-0,227	0	1,8
23-09-22	08:29:31	0,329	0	1,8
23-09-22	08:59:31	0,934	0	1,8
23-09-22	09:29:31	2,236	0	3,64
23-09-22	09:59:31	3,009	0	3,64
23-09-22	10:29:31	3,722	0	7,24
23-09-22	10:59:31	4,454	0	7,24
23-09-22	11:29:31	5,514	0	5,44
23-09-22	11:59:31	7,92	0	7,24
23-09-22	12:29:31	8,767	0	7,24
23-09-22	12:59:31	9,015	0	9,07
23-09-22	13:29:31	10,736	0	7,24
23-09-22	13:59:31	10,271	0	7,24
23-09-22	14:29:31	11,029	0	7,24
23-09-22	14:59:31	10,932	0	7,24
23-09-22	15:29:31	11,053	0	5,44
23-09-22	15:59:31	10,785	0	5,44
23-09-22	16:29:31	11,151	0	3,64
23-09-22	16:59:31	10,467	0	3,64
23-09-22	17:29:31	10,492	0	5,44
23-09-22	17:59:31	10,345	0	3,64
23-09-22	18:29:31	10,026	0	1,8
23-09-22	18:59:31	9,731	0	1,8
23-09-22	19:29:31	9,139	0	0
23-09-22	19:59:31	7,995	0	0
23-09-22	20:29:31	4,662	0	0
23-09-22	20:59:31	3,643	0	0
23-09-22	21:29:31	3,906	0	0
23-09-22	21:59:31	4,141	0	0
23-09-22	22:29:31	2,637	0	0
23-09-22	22:59:31	1,126	0	0
23-09-22	23:29:31	0,907	0	0
23-09-22	23:59:31	0,88	0	0

24-09-22	00:29:31	0,356	0	0
24-09-22	00:59:31	1,317	0	0
24-09-22	01:29:31	2,209	0	0
24-09-22	01:59:31	1,751	0	0
24-09-22	02:29:31	4,74	0	0
24-09-22	02:59:31	1,071	0	0
24-09-22	03:29:31	0,522	0	0
24-09-22	03:59:31	1,208	0	0
24-09-22	04:29:31	0,989	0	0
24-09-22	04:59:31	1,017	0	0
24-09-22	05:29:31	-1,071	0	0
24-09-22	05:59:31	0,079	0	0
24-09-22	06:29:31	-0,339	0	0
24-09-22	06:59:31	0,687	0	0
24-09-22	07:29:31	0,934	0	0
24-09-22	07:59:31	3,089	0	0
24-09-22	08:29:31	4,662	0	0
24-09-22	08:59:31	7,895	0	0
24-09-22	09:29:31	8,767	0	0
24-09-22	09:59:31	10,1	0	0
24-09-22	10:29:31	11,029	0	1,8
24-09-22	10:59:31	12,485	0	1,8
24-09-22	11:29:31	14,194	0	1,8
24-09-22	11:59:31	14,026	0	3,64
24-09-22	12:29:31	16,392	0	3,64
24-09-22	12:59:31	16,987	0	3,64
24-09-22	13:29:31	17,701	0	3,64
24-09-22	13:59:31	18,224	0	3,64
24-09-22	14:29:31	18,509	0	3,64
24-09-22	14:59:31	18,414	0	3,64
24-09-22	15:29:31	17,867	0	3,64
24-09-22	15:59:31	18,699	0	3,64
24-09-22	16:29:31	18,319	0	3,64
24-09-22	16:59:31	18,39	0	3,64
24-09-22	17:29:31	17,677	0	1,8
24-09-22	17:59:31	16,01	0	1,8
24-09-22	18:29:31	13,738	0	1,8
24-09-22	18:59:31	10,687	0	0
24-09-22	19:29:31	7,268	0	0
24-09-22	19:59:31	5,437	0	0
24-09-22	20:29:31	4,61	0	0
24-09-22	20:59:31	3,591	0	0
24-09-22	21:29:31	3,089	0	0
24-09-22	21:59:31	2,503	0	0
24-09-22	22:29:31	2,182	0	0
24-09-22	22:59:31	1,697	0	0
24-09-22	23:29:31	1,886	0	0

24-09-22	23:59:31	2,262	0	0
25-09-22	00:29:31	1,262	0	0
25-09-22	00:59:31	1,344	0	0
25-09-22	01:29:31	1,317	0	0
25-09-22	01:59:31	0,107	0	0
25-09-22	02:29:31	0,107	0	0
25-09-22	02:59:31	-0,199	0	0
25-09-22	03:29:31	-0,255	0	0
25-09-22	03:59:31	-0,367	0	0
25-09-22	04:29:31	-0,789	0	0
25-09-22	04:59:31	0,632	0	0
25-09-22	05:29:31	-0,199	0	0
25-09-22	05:59:31	0,852	0	0
25-09-22	06:29:31	3,932	0	0
25-09-22	06:59:31	5,024	0	0
25-09-22	07:29:31	4,636	0	3,64
25-09-22	07:59:31	4,402	0	0
25-09-22	08:29:31	5,796	0	0
25-09-22	08:59:31	6,661	0	0
25-09-22	09:29:31	7,242	0	0
25-09-22	09:59:31	7,92	0	0
25-09-22	10:29:31	8,792	0	0
25-09-22	10:59:31	10,394	0	0
25-09-22	11:29:31	11,224	0	0
25-09-22	11:59:31	12,461	0	1,8
25-09-22	12:29:31	15,7	0	0
25-09-22	12:59:31	15,772	0	1,8
25-09-22	13:29:31	14,601	0	5,44
25-09-22	13:59:31	15,031	0	1,8
25-09-22	14:29:31	16,368	0	1,8
25-09-22	14:59:31	15,055	0	3,64
25-09-22	15:29:31	14,721	0	1,8
25-09-22	15:59:31	14,673	0	0
25-09-22	16:29:31	14,29	0	0
25-09-22	16:59:31	13,978	0	0
25-09-22	17:29:31	13,906	0	0
25-09-22	17:59:31	13,762	0	0
25-09-22	18:29:31	11,953	0	0
25-09-22	18:59:31	9,632	0	0
25-09-22	19:29:31	8,295	0	0
25-09-22	19:59:31	6,433	0	0
25-09-22	20:29:31	5,514	0	0
25-09-22	20:59:31	5,616	0	0
25-09-22	21:29:31	5,205	0	0
25-09-22	21:59:31	4,74	0	0
25-09-22	22:29:31	3,485	0	0
25-09-22	22:59:31	3,327	0	0

25-09-22	23:29:31	3,485	0	0
25-09-22	23:59:31	2,61	0	0
26-09-22	00:29:31	2,182	0	0
26-09-22	00:59:31	1,18	0	0
26-09-22	01:29:31	0,825	0	0
26-09-22	01:59:31	1,425	0	0
26-09-22	02:29:31	0,246	0	0
26-09-22	02:59:31	-0,255	0	0
26-09-22	03:29:31	0,77	0	0
26-09-22	03:59:31	-0,06	0	0
26-09-22	04:29:31	0,19	0	0
26-09-22	04:59:31	0,246	0	0
26-09-22	05:29:31	0,55	0	0
26-09-22	05:59:31	1,153	0	0
26-09-22	06:29:31	0,77	0	0
26-09-22	06:59:31	1,425	0	0
26-09-22	07:29:31	1,859	0	0
26-09-22	07:59:31	3,274	0	0

Appendix 03. Files (sonograms) analyses and metadata collected during the acoustic bat inventory carried out at Spodumène lake on the Whabouchi mine territory. SP = bat pass that cannot be identified to species, LASCIN = hoary bat (Lasiurus cinereus), LASNOC = silver-haired bat (Lasionycteris noctivagans), CINO =hoary-silver-haired complex, MYOLUC = little brown bat (Myotis lucifugus), MYOSEP =northern long-eared bat (Myotis septentrionalis), MYSP = Myotis sp. complex (Myotis lucifugus et Myotis septentrionalis), EPTFUS = big brown bat (Eptesicus fuscus), EPNO = big brown-silver-haired complex, LASBOR = eastern red bat (Lasiurus borealis), MYBO = little brown-eastern red complex.

File name	Date	Year	Hour	Minute	Second	Station	Projection	GPS Coordinates		Altitude	Sampling period	Session	Species or species complex code	Confidence	Identifier name	Dectector brand	Model	Firmware version	Serial number	Prefix	Division ratio	Identification	Software	Software version	Conversion	Conversion version
								Latitude	Longitude																	
536754 2022-06-15 22-50-09.zc	15-06-22	2022	22	50	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-15 22-57-24.zc	15-06-22	2022	22	57	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-15 23-47-01.zc	15-06-22	2022	23	47	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-15 23-47-10.zc	15-06-22	2022	23	47	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-15 23-56-41.zc	15-06-22	2022	23	56	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 00-00-31.zc	16-06-22	2022	0	0	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 00-00-45.zc	16-06-22	2022	0	0	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 00-01-39.zc	16-06-22	2022	0	1	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 00-06-15.zc	16-06-22	2022	0	6	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 00-29-39.zc	16-06-22	2022	0	29	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 00-58-49.zc	16-06-22	2022	0	58	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 01-56-11.zc	16-06-22	2022	1	56	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 01-56-35.zc	16-06-22	2022	1	56	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 01-57-16.zc	16-06-22	2022	1	57	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 01-57-42.zc	16-06-22	2022	1	57	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 01-58-32.zc	16-06-22	2022	1	58	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-00-21.zc	16-06-22	2022	2	0	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-01-14.zc	16-06-22	2022	2	1	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-02-58.zc	16-06-22	2022	2	2	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-03-39.zc	16-06-22	2022	2	3	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-04-01.zc	16-06-22	2022	2	4	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-04-28.zc	16-06-22	2022	2	4	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-05-45.zc	16-06-22	2022	2	5	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-08-44.zc	16-06-22	2022	2	8	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-06-16 02-09-29.zc	16-06-22	2022	2	9	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-18-07.zc	16-06-22	2022	2	18	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-26-51.zc	16-06-22	2022	2	26	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-32-59.zc	16-06-22	2022	2	32	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-53-27.zc	16-06-22	2022	2	53	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 02-54-49.zc	16-06-22	2022	2	54	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 03-40-30.zc	16-06-22	2022	3	40	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 03-43-05.zc	16-06-22	2022	3	43	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-16 23-19-46.zc	16-06-22	2022	23	19	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 00-16-43.zc	17-06-22	2022	0	16	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 00-21-25.zc	17-06-22	2022	0	21	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 00-43-49.zc	17-06-22	2022	0	43	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 00-44-10.zc	17-06-22	2022	0	44	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 00-59-51.zc	17-06-22	2022	0	59	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 01-18-15.zc	17-06-22	2022	1	18	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 01-31-24.zc	17-06-22	2022	1	31	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 01-36-32.zc	17-06-22	2022	1	36	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-07-04.zc	17-06-22	2022	2	7	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-07-14.zc	17-06-22	2022	2	7	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-07-36.zc	17-06-22	2022	2	7	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-10-07.zc	17-06-22	2022	2	10	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-29-10.zc	17-06-22	2022	2	29	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-38-48.zc	17-06-22	2022	2	38	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 02-47-43.zc	17-06-22	2022	2	47	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 03-14-17.zc	17-06-22	2022	3	14	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-17 03-27-36.zc	17-06-22	2022	3	27	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-18 03-18-42.zc	18-06-22	2022	3	18	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-18 03-25-27.zc	18-06-22	2022	3	25	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-06-19 02-34-31.zc	19-06-22	2022	2	34	31	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-19 22-48-48.zc	19-06-22	2022	22	48	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-19 23-21-31.zc	19-06-22	2022	23	21	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 00-29-26.zc	20-06-22	2022	0	29	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 00-43-22.zc	20-06-22	2022	0	43	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 01-13-08.zc	20-06-22	2022	1	13	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 02-41-31.zc	20-06-22	2022	2	41	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 02-42-19.zc	20-06-22	2022	2	42	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 02-47-04.zc	20-06-22	2022	2	47	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 03-24-20.zc	20-06-22	2022	3	24	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 03-24-36.zc	20-06-22	2022	3	24	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 03-26-00.zc	20-06-22	2022	3	26	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 03-26-18.zc	20-06-22	2022	3	26	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-20 23-58-21.zc	20-06-22	2022	23	58	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 00-54-48.zc	21-06-22	2022	0	54	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 03-09-57.zc	21-06-22	2022	3	9	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 03-15-21.zc	21-06-22	2022	3	15	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 03-15-40.zc	21-06-22	2022	3	15	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 03-16-20.zc	21-06-22	2022	3	16	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 03-17-04.zc	21-06-22	2022	3	17	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 03-20-01.zc	21-06-22	2022	3	20	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 22-54-24.zc	21-06-22	2022	22	54	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 22-55-01.zc	21-06-22	2022	22	55	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-21 23-13-12.zc	21-06-22	2022	23	13	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 00-16-13.zc	22-06-22	2022	0	16	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 00-40-03.zc	22-06-22	2022	0	40	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 00-45-34.zc	22-06-22	2022	0	45	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 00-48-19.zc	22-06-22	2022	0	48	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-06-22 01-24-12.zc	22-06-22	2022	1	24	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 01-45-08.zc	22-06-22	2022	1	45	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 01-48-13.zc	22-06-22	2022	1	48	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 02-54-50.zc	22-06-22	2022	2	54	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 03-10-27.zc	22-06-22	2022	3	10	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 03-32-09.zc	22-06-22	2022	3	32	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 03-33-45.zc	22-06-22	2022	3	33	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 03-35-37.zc	22-06-22	2022	3	35	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-22 03-36-26.zc	22-06-22	2022	3	36	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-23 00-05-05.zc	23-06-22	2022	0	5	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-23 00-10-55.zc	23-06-22	2022	0	10	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-23 00-13-32.zc	23-06-22	2022	0	13	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-23 01-54-05.zc	23-06-22	2022	1	54	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-23 23-59-08.zc	23-06-22	2022	23	59	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-00-22.zc	24-06-22	2022	0	0	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-04-50.zc	24-06-22	2022	0	4	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-05-35.zc	24-06-22	2022	0	5	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-05-58.zc	24-06-22	2022	0	5	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-06-25.zc	24-06-22	2022	0	6	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-08-36.zc	24-06-22	2022	0	8	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-10-12.zc	24-06-22	2022	0	10	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 00-58-21.zc	24-06-22	2022	0	58	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 01-01-15.zc	24-06-22	2022	1	1	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 01-21-03.zc	24-06-22	2022	1	21	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 01-26-45.zc	24-06-22	2022	1	26	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-01-39.zc	24-06-22	2022	2	1	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-07-21.zc	24-06-22	2022	2	7	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-08-39.zc	24-06-22	2022	2	8	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-06-24 02-48-05.zc	24-06-22	2022	2	48	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-56-28.zc	24-06-22	2022	2	56	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-56-51.zc	24-06-22	2022	2	56	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-57-25.zc	24-06-22	2022	2	57	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 02-59-07.zc	24-06-22	2022	2	59	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 03-14-58.zc	24-06-22	2022	3	14	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-24 03-21-55.zc	24-06-22	2022	3	21	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-25 02-15-38.zc	25-06-22	2022	2	15	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-25 02-57-05.zc	25-06-22	2022	2	57	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-25 03-03-07.zc	25-06-22	2022	3	3	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-25 23-34-05.wav	25-06-22	2022	23	34	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 00-12-19.wav	26-06-22	2022	0	12	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 00-12-32.wav	26-06-22	2022	0	12	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 00-16-55.wav	26-06-22	2022	0	16	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 00-17-47.wav	26-06-22	2022	0	17	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 01-12-46.wav	26-06-22	2022	1	12	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 01-31-34.wav	26-06-22	2022	1	31	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 01-50-35.wav	26-06-22	2022	1	50	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 01-59-08.wav	26-06-22	2022	1	59	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 02-44-48.wav	26-06-22	2022	2	44	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 02-45-41.wav	26-06-22	2022	2	45	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 03-35-17.wav	26-06-22	2022	3	35	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 23-44-18.wav	26-06-22	2022	23	44	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 23-44-46.wav	26-06-22	2022	23	44	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 23-45-11.wav	26-06-22	2022	23	45	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-26 23-56-13.wav	26-06-22	2022	23	56	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 00-29-43.wav	27-06-22	2022	0	29	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 00-40-34.wav	27-06-22	2022	0	40	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-06-27 00-47-26.wav	27-06-22	2022	0	47	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 01-22-42.wav	27-06-22	2022	1	22	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 01-30-56.wav	27-06-22	2022	1	30	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 01-31-43.wav	27-06-22	2022	1	31	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 01-36-47.wav	27-06-22	2022	1	36	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 01-49-19.wav	27-06-22	2022	1	49	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 02-00-06.wav	27-06-22	2022	2	0	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 02-01-45.wav	27-06-22	2022	2	1	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-27 02-02-28.wav	27-06-22	2022	2	2	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-28 02-11-54.wav	28-06-22	2022	2	11	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-28 02-19-28.wav	28-06-22	2022	2	19	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-28 02-19-53.wav	28-06-22	2022	2	19	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-28 02-20-15.wav	28-06-22	2022	2	20	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-28 02-24-40.wav	28-06-22	2022	2	24	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-28 02-36-36.wav	28-06-22	2022	2	36	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-29 00-31-35.wav	29-06-22	2022	0	31	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-30 23-43-14.wav	30-06-22	2022	23	43	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-06-30 23-43-37.wav	30-06-22	2022	23	43	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 00-18-11.wav	01-07-22	2022	0	18	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 01-28-15.wav	01-07-22	2022	1	28	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 02-19-17.wav	01-07-22	2022	2	19	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 02-19-32.wav	01-07-22	2022	2	19	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 02-20-10.wav	01-07-22	2022	2	20	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 03-04-32.wav	01-07-22	2022	3	4	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	EPNO/MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 03-04-51.wav	01-07-22	2022	3	4	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-01 03-05-02.wav	01-07-22	2022	3	5	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-02 01-35-46.wav	02-07-22	2022	1	35	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-02 01-37-00.wav	02-07-22	2022	1	37	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-02 01-39-02.wav	02-07-22	2022	1	39	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-02 01-40-52.wav	02-07-22	2022	1	40	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-02 01-42-22.wav	02-07-22	2022	1	42	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-03 02-30-09.wav	03-07-22	2022	2	30	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-04 22-40-20.wav	04-07-22	2022	22	40	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-04 22-41-03.wav	04-07-22	2022	22	41	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-05 01-06-45.wav	05-07-22	2022	1	6	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-05 02-51-34.wav	05-07-22	2022	2	51	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-05 03-26-02.wav	05-07-22	2022	3	26	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-05 03-26-19.wav	05-07-22	2022	3	26	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-05 03-30-35.wav	05-07-22	2022	3	30	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-06 01-36-44.wav	06-07-22	2022	1	36	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-06 23-24-21.wav	06-07-22	2022	23	24	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-06 23-24-41.wav	06-07-22	2022	23	24	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-06 23-26-34.wav	06-07-22	2022	23	26	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-06 23-33-06.wav	06-07-22	2022	23	33	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-06 23-39-37.wav	06-07-22	2022	23	39	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-07 00-16-26.wav	07-07-22	2022	0	16	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-07 00-19-01.wav	07-07-22	2022	0	19	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-07 23-26-11.wav	07-07-22	2022	23	26	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-07 23-27-08.wav	07-07-22	2022	23	27	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-09 22-15-15.wav	09-07-22	2022	22	15	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-09 22-15-53.wav	09-07-22	2022	22	15	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-09 22-16-13.wav	09-07-22	2022	22	16	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-09 22-21-53.wav	09-07-22	2022	22	21	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-09 22-39-33.wav	09-07-22	2022	22	39	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 01-04-05.wav	10-07-22	2022	1	4	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 01-23-58.wav	10-07-22	2022	1	23	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-10 01-25-54.wav	10-07-22	2022	1	25	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 02-45-45.wav	10-07-22	2022	2	45	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 02-48-41.wav	10-07-22	2022	2	48	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 02-49-49.wav	10-07-22	2022	2	49	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 03-05-21.wav	10-07-22	2022	3	5	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 03-48-25.wav	10-07-22	2022	3	48	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 03-49-04.wav	10-07-22	2022	3	49	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 03-49-15.wav	10-07-22	2022	3	49	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 04-06-31.wav	10-07-22	2022	4	6	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 04-06-51.wav	10-07-22	2022	4	6	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 04-13-32.wav	10-07-22	2022	4	13	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 22-22-57.wav	10-07-22	2022	22	22	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-16-16.wav	10-07-22	2022	23	16	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-17-52.wav	10-07-22	2022	23	17	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-20-24.wav	10-07-22	2022	23	20	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-22-33.wav	10-07-22	2022	23	22	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-24-48.wav	10-07-22	2022	23	24	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-28-35.wav	10-07-22	2022	23	28	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-38-24.wav	10-07-22	2022	23	38	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-10 23-43-22.wav	10-07-22	2022	23	43	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 01-18-12.wav	11-07-22	2022	1	18	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 01-52-24.wav	11-07-22	2022	1	52	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 01-53-57.wav	11-07-22	2022	1	53	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 01-57-08.wav	11-07-22	2022	1	57	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 22-43-27.wav	11-07-22	2022	22	43	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 22-43-43.wav	11-07-22	2022	22	43	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 22-47-21.wav	11-07-22	2022	22	47	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-11 22-49-07.wav	11-07-22	2022	22	49	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-12 00-23-43.wav	12-07-22	2022	0	23	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-12 00-24-00.wav	12-07-22	2022	0	24	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-12 00-24-18.wav	12-07-22	2022	0	24	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-12 01-09-02.wav	12-07-22	2022	1	9	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-12 01-43-28.wav	12-07-22	2022	1	43	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-12 03-37-10.wav	12-07-22	2022	3	37	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-13 01-04-56.wav	13-07-22	2022	1	4	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-13 01-06-50.wav	13-07-22	2022	1	6	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-13 03-21-46.wav	13-07-22	2022	3	21	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-13 03-43-07.wav	13-07-22	2022	3	43	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-13 03-51-40.wav	13-07-22	2022	3	51	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 00-40-08.wav	14-07-22	2022	0	40	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 00-41-28.wav	14-07-22	2022	0	41	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 00-41-43.wav	14-07-22	2022	0	41	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 02-11-17.wav	14-07-22	2022	2	11	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 22-44-16.wav	14-07-22	2022	22	44	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 22-44-30.wav	14-07-22	2022	22	44	31	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 23-20-33.wav	14-07-22	2022	23	20	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 23-22-11.wav	14-07-22	2022	23	22	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 23-25-28.wav	14-07-22	2022	23	25	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 23-53-52.wav	14-07-22	2022	23	53	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-14 23-54-59.wav	14-07-22	2022	23	54	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 01-15-54.wav	15-07-22	2022	1	15	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 01-28-06.wav	15-07-22	2022	1	28	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 01-39-04.wav	15-07-22	2022	1	39	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 02-03-52.wav	15-07-22	2022	2	3	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 02-09-29.wav	15-07-22	2022	2	9	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 02-09-49.wav	15-07-22	2022	2	9	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-15 22-10-31.wav	15-07-22	2022	22	10	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 22-16-34.wav	15-07-22	2022	22	16	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 22-22-21.wav	15-07-22	2022	22	22	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 22-30-18.wav	15-07-22	2022	22	30	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-15 22-39-49.wav	15-07-22	2022	22	39	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 00-20-27.wav	16-07-22	2022	0	20	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 00-34-56.wav	16-07-22	2022	0	34	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 00-35-30.wav	16-07-22	2022	0	35	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUCx2	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 01-46-37.wav	16-07-22	2022	1	46	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 01-47-25.wav	16-07-22	2022	1	47	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 22-12-52.wav	16-07-22	2022	22	12	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 22-56-16.wav	16-07-22	2022	22	56	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 22-57-09.wav	16-07-22	2022	22	57	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-10-17.wav	16-07-22	2022	23	10	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-11-42.wav	16-07-22	2022	23	11	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-15-18.wav	16-07-22	2022	23	15	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-15-55.wav	16-07-22	2022	23	15	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-17-28.wav	16-07-22	2022	23	17	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-20-41.wav	16-07-22	2022	23	20	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-16 23-37-14.wav	16-07-22	2022	23	37	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-07-27.wav	17-07-22	2022	1	7	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-33-45.wav	17-07-22	2022	1	33	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-34-52.wav	17-07-22	2022	1	34	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUCx2	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-35-47.wav	17-07-22	2022	1	35	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-36-41.wav	17-07-22	2022	1	36	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-56-39.wav	17-07-22	2022	1	56	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-56-52.wav	17-07-22	2022	1	56	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-57-23.wav	17-07-22	2022	1	57	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-17 01-57-55.wav	17-07-22	2022	1	57	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-58-04.wav	17-07-22	2022	1	58	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-58-21.wav	17-07-22	2022	1	58	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 01-58-36.wav	17-07-22	2022	1	58	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-00-32.wav	17-07-22	2022	2	0	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-00-55.wav	17-07-22	2022	2	0	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-01-24.wav	17-07-22	2022	2	1	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-01-48.wav	17-07-22	2022	2	1	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-01-56.wav	17-07-22	2022	2	1	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-02-08.wav	17-07-22	2022	2	2	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-02-40.wav	17-07-22	2022	2	2	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-02-51.wav	17-07-22	2022	2	2	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-03-01.wav	17-07-22	2022	2	3	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-03-46.wav	17-07-22	2022	2	3	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-04-02.wav	17-07-22	2022	2	4	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-12-25.wav	17-07-22	2022	2	12	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-12-35.wav	17-07-22	2022	2	12	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-13-01.wav	17-07-22	2022	2	13	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-13-29.wav	17-07-22	2022	2	13	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-13-52.wav	17-07-22	2022	2	13	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 02-13-58.wav	17-07-22	2022	2	13	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-04-30.wav	17-07-22	2022	22	4	31	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-04-48.wav	17-07-22	2022	22	4	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-05-06.wav	17-07-22	2022	22	5	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-16-26.wav	17-07-22	2022	22	16	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-16-51.wav	17-07-22	2022	22	16	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-17-34.wav	17-07-22	2022	22	17	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-17-57.wav	17-07-22	2022	22	17	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-17 22-19-40.wav	17-07-22	2022	22	19	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-17 22-45-35.wav	17-07-22	2022	22	45	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 00-39-03.wav	18-07-22	2022	0	39	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 00-41-50.wav	18-07-22	2022	0	41	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 01-54-27.wav	18-07-22	2022	1	54	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 02-34-42.wav	18-07-22	2022	2	34	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-21-59.wav	18-07-22	2022	3	22	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-32-13.wav	18-07-22	2022	3	32	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUCx2	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-42-25.wav	18-07-22	2022	3	42	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-42-56.wav	18-07-22	2022	3	42	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-43-11.wav	18-07-22	2022	3	43	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-45-47.wav	18-07-22	2022	3	45	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-46-34.wav	18-07-22	2022	3	46	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-47-34.wav	18-07-22	2022	3	47	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 03-59-50.wav	18-07-22	2022	3	59	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 04-00-01.wav	18-07-22	2022	4	0	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 04-00-24.wav	18-07-22	2022	4	0	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 04-00-36.wav	18-07-22	2022	4	0	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 04-09-53.wav	18-07-22	2022	4	9	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 04-10-10.wav	18-07-22	2022	4	10	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-22-57.wav	18-07-22	2022	22	22	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-24-20.wav	18-07-22	2022	22	24	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-25-47.wav	18-07-22	2022	22	25	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-26-00.wav	18-07-22	2022	22	26	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-26-16.wav	18-07-22	2022	22	26	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-26-59.wav	18-07-22	2022	22	26	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-27-19.wav	18-07-22	2022	22	27	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-29-33.wav	18-07-22	2022	22	29	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-18 22-29-49.wav	18-07-22	2022	22	29	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-30-05.wav	18-07-22	2022	22	30	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-32-00.wav	18-07-22	2022	22	32	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-33-24.wav	18-07-22	2022	22	33	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-33-41.wav	18-07-22	2022	22	33	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-33-58.wav	18-07-22	2022	22	33	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-34-21.wav	18-07-22	2022	22	34	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-34-38.wav	18-07-22	2022	22	34	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-35-28.wav	18-07-22	2022	22	35	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-35-51.wav	18-07-22	2022	22	35	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-36-07.wav	18-07-22	2022	22	36	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-37-45.wav	18-07-22	2022	22	37	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-48-44.wav	18-07-22	2022	22	48	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-49-34.wav	18-07-22	2022	22	49	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-49-57.wav	18-07-22	2022	22	49	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-50-13.wav	18-07-22	2022	22	50	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-51-59.wav	18-07-22	2022	22	51	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-52-14.wav	18-07-22	2022	22	52	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-52-34.wav	18-07-22	2022	22	52	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-55-12.wav	18-07-22	2022	22	55	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-55-35.wav	18-07-22	2022	22	55	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-56-02.wav	18-07-22	2022	22	56	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-56-17.wav	18-07-22	2022	22	56	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-56-40.wav	18-07-22	2022	22	56	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 22-57-00.wav	18-07-22	2022	22	57	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-07-16.wav	18-07-22	2022	23	7	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-07-33.wav	18-07-22	2022	23	7	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-07-45.wav	18-07-22	2022	23	7	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-18 23-08-03.wav	18-07-22	2022	23	8	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-08-16.wav	18-07-22	2022	23	8	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-08-38.wav	18-07-22	2022	23	8	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-09-56.wav	18-07-22	2022	23	9	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-11-42.wav	18-07-22	2022	23	11	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-14-02.wav	18-07-22	2022	23	14	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-14-24.wav	18-07-22	2022	23	14	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-14-40.wav	18-07-22	2022	23	14	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-23-22.wav	18-07-22	2022	23	23	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-23-33.wav	18-07-22	2022	23	23	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-24-02.wav	18-07-22	2022	23	24	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-24-36.wav	18-07-22	2022	23	24	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-27-56.wav	18-07-22	2022	23	27	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-28-13.wav	18-07-22	2022	23	28	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-28-55.wav	18-07-22	2022	23	28	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-29-19.wav	18-07-22	2022	23	29	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-29-41.wav	18-07-22	2022	23	29	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-18 23-59-47.wav	18-07-22	2022	23	59	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-12-10.wav	19-07-22	2022	0	12	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-39-28.wav	19-07-22	2022	0	39	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-39-44.wav	19-07-22	2022	0	39	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUCx2	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-39-59.wav	19-07-22	2022	0	40	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-42-07.wav	19-07-22	2022	0	42	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-42-26.wav	19-07-22	2022	0	42	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-45-14.wav	19-07-22	2022	0	45	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-45-56.wav	19-07-22	2022	0	45	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 00-46-11.wav	19-07-22	2022	0	46	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 01-07-25.wav	19-07-22	2022	1	7	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-19 01-55-38.wav	19-07-22	2022	1	55	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 02-00-26.wav	19-07-22	2022	2	0	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 02-18-50.wav	19-07-22	2022	2	18	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-13-30.wav	19-07-22	2022	3	13	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-18-44.wav	19-07-22	2022	3	18	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-35-01.wav	19-07-22	2022	3	35	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-35-20.wav	19-07-22	2022	3	35	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-35-38.wav	19-07-22	2022	3	35	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-35-58.wav	19-07-22	2022	3	35	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-41-54.wav	19-07-22	2022	3	41	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-52-26.wav	19-07-22	2022	3	52	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-52-58.wav	19-07-22	2022	3	52	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-53-13.wav	19-07-22	2022	3	53	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 03-53-52.wav	19-07-22	2022	3	53	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-19 04-13-35.wav	19-07-22	2022	4	13	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 00-31-50.wav	20-07-22	2022	0	31	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 00-35-19.wav	20-07-22	2022	0	35	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 02-50-41.wav	20-07-22	2022	2	50	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 03-33-43.wav	20-07-22	2022	3	33	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 03-39-54.wav	20-07-22	2022	3	39	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-08-53.wav	20-07-22	2022	4	8	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-10-51.wav	20-07-22	2022	4	10	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-11-04.wav	20-07-22	2022	4	11	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-12-34.wav	20-07-22	2022	4	12	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-14-05.wav	20-07-22	2022	4	14	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-19-24.wav	20-07-22	2022	4	19	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-22-13.wav	20-07-22	2022	4	22	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 04-22-53.wav	20-07-22	2022	4	22	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	1	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-20 22-01-50.wav	20-07-22	2022	22	1	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-02-10.wav	20-07-22	2022	22	2	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-02-34.wav	20-07-22	2022	22	2	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-02-45.wav	20-07-22	2022	22	2	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-08-01.wav	20-07-22	2022	22	8	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-08-22.wav	20-07-22	2022	22	8	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-08-41.wav	20-07-22	2022	22	8	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-09-08.wav	20-07-22	2022	22	9	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-09-31.wav	20-07-22	2022	22	9	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-09-58.wav	20-07-22	2022	22	9	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-10-09.wav	20-07-22	2022	22	10	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-10-32.wav	20-07-22	2022	22	10	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-10-49.wav	20-07-22	2022	22	10	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-11-12.wav	20-07-22	2022	22	11	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-11-29.wav	20-07-22	2022	22	11	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-11-45.wav	20-07-22	2022	22	11	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-11-57.wav	20-07-22	2022	22	11	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-12-20.wav	20-07-22	2022	22	12	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-12-36.wav	20-07-22	2022	22	12	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-12-47.wav	20-07-22	2022	22	12	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-12-59.wav	20-07-22	2022	22	13	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-13-17.wav	20-07-22	2022	22	13	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-13-34.wav	20-07-22	2022	22	13	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-14-22.wav	20-07-22	2022	22	14	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-14-40.wav	20-07-22	2022	22	14	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 22-23-41.wav	20-07-22	2022	22	23	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-20 23-10-44.wav	20-07-22	2022	23	10	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 00-11-44.wav	21-07-22	2022	0	11	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-21 00-15-37.wav	21-07-22	2022	0	15	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 01-33-18.wav	21-07-22	2022	1	33	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 21-49-16.wav	21-07-22	2022	21	49	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 22-39-13.wav	21-07-22	2022	22	39	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 23-20-23.wav	21-07-22	2022	23	20	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 23-21-49.wav	21-07-22	2022	23	21	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 23-52-33.wav	21-07-22	2022	23	52	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-21 23-53-32.wav	21-07-22	2022	23	53	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 01-48-01.wav	22-07-22	2022	1	48	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	CINO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 03-01-45.wav	22-07-22	2022	3	1	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 04-24-04.wav	22-07-22	2022	4	24	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-16-15.wav	22-07-22	2022	22	16	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-16-31.wav	22-07-22	2022	22	16	31	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-16-50.wav	22-07-22	2022	22	16	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-17-11.wav	22-07-22	2022	22	17	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-17-29.wav	22-07-22	2022	22	17	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-17-47.wav	22-07-22	2022	22	17	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-17-55.wav	22-07-22	2022	22	17	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-18-19.wav	22-07-22	2022	22	18	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-18-34.wav	22-07-22	2022	22	18	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-18-51.wav	22-07-22	2022	22	18	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-19-14.wav	22-07-22	2022	22	19	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-19-34.wav	22-07-22	2022	22	19	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-19-50.wav	22-07-22	2022	22	19	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-20-11.wav	22-07-22	2022	22	20	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-20-27.wav	22-07-22	2022	22	20	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-20-44.wav	22-07-22	2022	22	20	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-20-59.wav	22-07-22	2022	22	21	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-22 22-21-24.wav	22-07-22	2022	22	21	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-21-43.wav	22-07-22	2022	22	21	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-22-02.wav	22-07-22	2022	22	22	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-22-26.wav	22-07-22	2022	22	22	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-22-42.wav	22-07-22	2022	22	22	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-23-05.wav	22-07-22	2022	22	23	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-24-01.wav	22-07-22	2022	22	24	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-24-15.wav	22-07-22	2022	22	24	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-24-42.wav	22-07-22	2022	22	24	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-25-00.wav	22-07-22	2022	22	25	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-25-40.wav	22-07-22	2022	22	25	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-26-08.wav	22-07-22	2022	22	26	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-26-28.wav	22-07-22	2022	22	26	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-26-51.wav	22-07-22	2022	22	26	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-27-24.wav	22-07-22	2022	22	27	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-27-45.wav	22-07-22	2022	22	27	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-28-05.wav	22-07-22	2022	22	28	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-28-27.wav	22-07-22	2022	22	28	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-28-40.wav	22-07-22	2022	22	28	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-28-58.wav	22-07-22	2022	22	28	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-29-10.wav	22-07-22	2022	22	29	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-29-34.wav	22-07-22	2022	22	29	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-48-42.wav	22-07-22	2022	22	48	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-49-14.wav	22-07-22	2022	22	49	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-50-22.wav	22-07-22	2022	22	50	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-50-48.wav	22-07-22	2022	22	50	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-51-16.wav	22-07-22	2022	22	51	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 22-59-02.wav	22-07-22	2022	22	59	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-22 22-59-58.wav	22-07-22	2022	22	59	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 23-00-14.wav	22-07-22	2022	23	0	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 23-10-39.wav	22-07-22	2022	23	10	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-22 23-14-05.wav	22-07-22	2022	23	14	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 00-28-12.wav	23-07-22	2022	0	28	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 00-28-35.wav	23-07-22	2022	0	28	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 00-28-51.wav	23-07-22	2022	0	28	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 00-35-34.wav	23-07-22	2022	0	35	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 00-53-35.wav	23-07-22	2022	0	53	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPTFUS	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 02-11-46.wav	23-07-22	2022	2	11	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 02-12-22.wav	23-07-22	2022	2	12	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 02-12-37.wav	23-07-22	2022	2	12	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 03-15-06.wav	23-07-22	2022	3	15	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 03-49-25.wav	23-07-22	2022	3	49	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 04-08-57.wav	23-07-22	2022	4	8	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 04-09-33.wav	23-07-22	2022	4	9	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 04-23-14.wav	23-07-22	2022	4	23	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 04-24-41.wav	23-07-22	2022	4	24	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 22-18-33.wav	23-07-22	2022	22	18	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-23 22-35-27.wav	23-07-22	2022	22	35	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 00-38-55.wav	24-07-22	2022	0	38	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 01-00-58.wav	24-07-22	2022	1	0	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 02-11-08.wav	24-07-22	2022	2	11	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 02-18-27.wav	24-07-22	2022	2	18	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 02-25-16.wav	24-07-22	2022	2	25	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 03-29-20.wav	24-07-22	2022	3	29	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 03-30-33.wav	24-07-22	2022	3	30	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 04-12-39.wav	24-07-22	2022	4	12	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-24 04-18-04.wav	24-07-22	2022	4	18	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 04-22-34.wav	24-07-22	2022	4	22	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-41-33.wav	24-07-22	2022	22	41	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-41-48.wav	24-07-22	2022	22	41	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-41-58.wav	24-07-22	2022	22	41	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-42-44.wav	24-07-22	2022	22	42	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-43-15.wav	24-07-22	2022	22	43	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-43-25.wav	24-07-22	2022	22	43	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-43-39.wav	24-07-22	2022	22	43	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-55-54.wav	24-07-22	2022	22	55	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-56-12.wav	24-07-22	2022	22	56	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 22-57-26.wav	24-07-22	2022	22	57	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 23-23-34.wav	24-07-22	2022	23	23	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-24 23-24-30.wav	24-07-22	2022	23	24	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 00-18-00.wav	25-07-22	2022	0	18	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 00-24-05.wav	25-07-22	2022	0	24	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 00-28-07.wav	25-07-22	2022	0	28	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 01-19-26.wav	25-07-22	2022	1	19	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 01-20-08.wav	25-07-22	2022	1	20	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 01-36-37.wav	25-07-22	2022	1	36	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 02-16-49.wav	25-07-22	2022	2	16	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 02-17-11.wav	25-07-22	2022	2	17	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 02-17-50.wav	25-07-22	2022	2	17	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 03-07-09.wav	25-07-22	2022	3	7	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 03-31-08.wav	25-07-22	2022	3	31	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 03-37-12.wav	25-07-22	2022	3	37	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-16-38.wav	25-07-22	2022	4	16	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-27-04.wav	25-07-22	2022	4	27	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-25 04-33-53.wav	25-07-22	2022	4	33	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-34-07.wav	25-07-22	2022	4	34	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-36-11.wav	25-07-22	2022	4	36	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-36-38.wav	25-07-22	2022	4	36	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-40-18.wav	25-07-22	2022	4	40	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 04-40-31.wav	25-07-22	2022	4	40	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 23-04-44.wav	25-07-22	2022	23	4	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 23-13-09.wav	25-07-22	2022	23	13	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-25 23-53-39.wav	25-07-22	2022	23	53	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 00-17-08.wav	26-07-22	2022	0	17	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 00-44-04.wav	26-07-22	2022	0	44	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 00-57-22.wav	26-07-22	2022	0	57	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPTFUS/MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 00-57-41.wav	26-07-22	2022	0	57	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 00-58-19.wav	26-07-22	2022	0	58	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 00-58-40.wav	26-07-22	2022	0	58	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO/MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 01-30-11.wav	26-07-22	2022	1	30	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 01-31-39.wav	26-07-22	2022	1	31	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 01-55-49.wav	26-07-22	2022	1	55	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 02-16-22.wav	26-07-22	2022	2	16	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 02-34-03.wav	26-07-22	2022	2	34	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 02-43-19.wav	26-07-22	2022	2	43	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 02-48-38.wav	26-07-22	2022	2	48	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 03-12-32.wav	26-07-22	2022	3	12	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 03-29-03.wav	26-07-22	2022	3	29	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 03-53-20.wav	26-07-22	2022	3	53	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 04-10-58.wav	26-07-22	2022	4	10	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 21-59-44.wav	26-07-22	2022	21	59	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 23-14-47.wav	26-07-22	2022	23	14	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-26 23-22-33.wav	26-07-22	2022	23	22	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 23-23-22.wav	26-07-22	2022	23	23	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 23-23-56.wav	26-07-22	2022	23	23	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 23-56-24.wav	26-07-22	2022	23	56	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-26 23-58-58.wav	26-07-22	2022	23	58	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 00-10-27.wav	27-07-22	2022	0	10	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 21-49-34.wav	27-07-22	2022	21	49	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 22-05-10.wav	27-07-22	2022	22	5	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 22-06-08.wav	27-07-22	2022	22	6	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 23-02-51.wav	27-07-22	2022	23	2	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 23-28-47.wav	27-07-22	2022	23	28	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 23-31-04.wav	27-07-22	2022	23	31	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-27 23-34-20.wav	27-07-22	2022	23	34	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 00-05-30.wav	28-07-22	2022	0	5	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 00-56-29.wav	28-07-22	2022	0	56	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 01-22-14.wav	28-07-22	2022	1	22	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 01-27-27.wav	28-07-22	2022	1	27	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 01-29-05.wav	28-07-22	2022	1	29	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 01-36-58.wav	28-07-22	2022	1	36	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 01-40-25.wav	28-07-22	2022	1	40	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 02-37-09.wav	28-07-22	2022	2	37	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 02-47-03.wav	28-07-22	2022	2	47	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 02-54-20.wav	28-07-22	2022	2	54	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 02-59-02.wav	28-07-22	2022	2	59	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-07-11.wav	28-07-22	2022	3	7	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-23-03.wav	28-07-22	2022	3	23	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-33-49.wav	28-07-22	2022	3	33	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-34-59.wav	28-07-22	2022	3	35	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-28 03-35-08.wav	28-07-22	2022	3	35	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-35-59.wav	28-07-22	2022	3	36	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-39-24.wav	28-07-22	2022	3	39	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-39-43.wav	28-07-22	2022	3	39	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-39-58.wav	28-07-22	2022	3	39	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-40-09.wav	28-07-22	2022	3	40	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 03-53-44.wav	28-07-22	2022	3	53	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 04-04-07.wav	28-07-22	2022	4	4	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO/MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 04-06-02.wav	28-07-22	2022	4	6	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO/MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 04-06-13.wav	28-07-22	2022	4	6	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO/MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 04-44-37.wav	28-07-22	2022	4	44	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 22-30-11.wav	28-07-22	2022	22	30	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 22-45-14.wav	28-07-22	2022	22	45	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 23-20-54.wav	28-07-22	2022	23	20	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 23-23-16.wav	28-07-22	2022	23	23	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 23-44-04.wav	28-07-22	2022	23	44	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-28 23-47-53.wav	28-07-22	2022	23	47	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 00-55-13.wav	29-07-22	2022	0	55	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 00-57-50.wav	29-07-22	2022	0	57	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-03-08.wav	29-07-22	2022	1	3	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-33-58.wav	29-07-22	2022	1	33	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-34-16.wav	29-07-22	2022	1	34	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-34-38.wav	29-07-22	2022	1	34	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-35-09.wav	29-07-22	2022	1	35	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-35-32.wav	29-07-22	2022	1	35	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-36-01.wav	29-07-22	2022	1	36	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-36-11.wav	29-07-22	2022	1	36	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-41-25.wav	29-07-22	2022	1	41	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-29 01-42-17.wav	29-07-22	2022	1	42	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-48-23.wav	29-07-22	2022	1	48	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 01-55-08.wav	29-07-22	2022	1	55	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-10-12.wav	29-07-22	2022	2	10	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-15-57.wav	29-07-22	2022	2	15	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-24-42.wav	29-07-22	2022	2	24	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-31-47.wav	29-07-22	2022	2	31	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-43-51.wav	29-07-22	2022	2	43	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-44-23.wav	29-07-22	2022	2	44	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 02-46-39.wav	29-07-22	2022	2	46	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 03-48-53.wav	29-07-22	2022	3	48	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 04-05-32.wav	29-07-22	2022	4	5	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 04-09-13.wav	29-07-22	2022	4	9	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-13-39.wav	29-07-22	2022	22	13	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-23-42.wav	29-07-22	2022	22	23	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-25-42.wav	29-07-22	2022	22	25	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-31-36.wav	29-07-22	2022	22	31	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-33-17.wav	29-07-22	2022	22	33	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-33-44.wav	29-07-22	2022	22	33	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-38-04.wav	29-07-22	2022	22	38	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-39-11.wav	29-07-22	2022	22	39	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-29 22-54-38.wav	29-07-22	2022	22	54	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 00-04-03.wav	30-07-22	2022	0	4	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 00-08-06.wav	30-07-22	2022	0	8	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 00-08-37.wav	30-07-22	2022	0	8	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 00-50-46.wav	30-07-22	2022	0	50	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 00-53-38.wav	30-07-22	2022	0	53	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 02-03-15.wav	30-07-22	2022	2	3	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-07-30 02-26-44.wav	30-07-22	2022	2	26	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 02-34-13.wav	30-07-22	2022	2	34	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 02-47-21.wav	30-07-22	2022	2	47	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 02-47-32.wav	30-07-22	2022	2	47	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 03-32-15.wav	30-07-22	2022	3	32	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 04-13-53.wav	30-07-22	2022	4	13	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 04-23-14.wav	30-07-22	2022	4	23	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 04-51-19.wav	30-07-22	2022	4	51	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 20-27-27.wav	30-07-22	2022	20	27	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 20-27-38.wav	30-07-22	2022	20	27	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 20-28-01.wav	30-07-22	2022	20	28	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 22-16-51.wav	30-07-22	2022	22	16	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-30 23-03-28.wav	30-07-22	2022	23	3	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 01-35-07.wav	31-07-22	2022	1	35	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 02-06-05.wav	31-07-22	2022	2	6	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 03-16-50.wav	31-07-22	2022	3	16	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 03-33-59.wav	31-07-22	2022	3	33	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 03-34-21.wav	31-07-22	2022	3	34	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-13-10.wav	31-07-22	2022	4	13	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-16-30.wav	31-07-22	2022	4	16	31	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-22-33.wav	31-07-22	2022	4	22	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-23-52.wav	31-07-22	2022	4	23	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO/MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-25-26.wav	31-07-22	2022	4	25	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-28-06.wav	31-07-22	2022	4	28	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 04-28-58.wav	31-07-22	2022	4	28	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 22-58-18.wav	31-07-22	2022	22	58	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 23-37-33.wav	31-07-22	2022	23	37	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-07-31 23-44-53.wav	31-07-22	2022	23	44	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-01 00-10-48.wav	01-08-22	2022	0	10	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 00-14-50.wav	01-08-22	2022	0	14	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 00-41-34.wav	01-08-22	2022	0	41	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 00-42-24.wav	01-08-22	2022	0	42	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 00-42-59.wav	01-08-22	2022	0	42	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 00-44-47.wav	01-08-22	2022	0	44	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 00-52-16.wav	01-08-22	2022	0	52	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 01-01-55.wav	01-08-22	2022	1	1	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 01-04-08.wav	01-08-22	2022	1	4	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-01 01-13-47.wav	01-08-22	2022	1	13	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-02 22-44-16.wav	02-08-22	2022	22	44	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-02 23-03-29.wav	02-08-22	2022	23	3	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO/LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-02 23-04-05.wav	02-08-22	2022	23	4	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	CINO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-02 23-36-38.wav	02-08-22	2022	23	36	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 00-07-32.wav	03-08-22	2022	0	7	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 00-12-20.wav	03-08-22	2022	0	12	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 00-26-15.wav	03-08-22	2022	0	26	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 00-35-11.wav	03-08-22	2022	0	35	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 00-39-20.wav	03-08-22	2022	0	39	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 00-41-04.wav	03-08-22	2022	0	41	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 02-01-24.wav	03-08-22	2022	2	1	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 23-02-36.wav	03-08-22	2022	23	2	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 23-21-12.wav	03-08-22	2022	23	21	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 23-58-37.wav	03-08-22	2022	23	58	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-03 23-59-03.wav	03-08-22	2022	23	59	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 00-41-00.wav	04-08-22	2022	0	41	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 01-09-08.wav	04-08-22	2022	1	9	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 01-18-19.wav	04-08-22	2022	1	18	19	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-04 01-34-24.wav	04-08-22	2022	1	34	24	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LASNOC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 04-13-21.wav	04-08-22	2022	4	13	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 21-57-32.wav	04-08-22	2022	21	57	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 22-14-45.wav	04-08-22	2022	22	14	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 22-16-27.wav	04-08-22	2022	22	16	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 22-21-10.wav	04-08-22	2022	22	21	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 22-21-45.wav	04-08-22	2022	22	21	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 22-32-58.wav	04-08-22	2022	22	32	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 22-33-33.wav	04-08-22	2022	22	33	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 23-00-58.wav	04-08-22	2022	23	0	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LASNOC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 23-41-33.wav	04-08-22	2022	23	41	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-04 23-45-04.wav	04-08-22	2022	23	45	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 00-11-15.wav	05-08-22	2022	0	11	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 00-18-33.wav	05-08-22	2022	0	18	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 01-31-43.wav	05-08-22	2022	1	31	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 01-33-01.wav	05-08-22	2022	1	33	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 02-16-27.wav	05-08-22	2022	2	16	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 02-23-26.wav	05-08-22	2022	2	23	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 03-27-41.wav	05-08-22	2022	3	27	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 04-15-39.wav	05-08-22	2022	4	15	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 04-23-17.wav	05-08-22	2022	4	23	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 22-12-23.wav	05-08-22	2022	22	12	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 22-14-38.wav	05-08-22	2022	22	14	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 22-42-07.wav	05-08-22	2022	22	42	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 22-43-50.wav	05-08-22	2022	22	43	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 23-13-19.wav	05-08-22	2022	23	13	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 23-30-38.wav	05-08-22	2022	23	30	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 23-55-17.wav	05-08-22	2022	23	55	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-05 23-56-58.wav	05-08-22	2022	23	56	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 23-57-32.wav	05-08-22	2022	23	57	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-05 23-57-52.wav	05-08-22	2022	23	57	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 01-29-42.wav	06-08-22	2022	1	29	43	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 03-11-08.wav	06-08-22	2022	3	11	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 03-16-02.wav	06-08-22	2022	3	16	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 03-23-42.wav	06-08-22	2022	3	23	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 03-35-52.wav	06-08-22	2022	3	35	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 04-05-01.wav	06-08-22	2022	4	5	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 04-36-32.wav	06-08-22	2022	4	36	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 04-37-26.wav	06-08-22	2022	4	37	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 04-37-44.wav	06-08-22	2022	4	37	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 04-39-58.wav	06-08-22	2022	4	39	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 04-50-35.wav	06-08-22	2022	4	50	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 22-16-22.wav	06-08-22	2022	22	16	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 22-27-10.wav	06-08-22	2022	22	27	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 22-44-42.wav	06-08-22	2022	22	44	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 23-25-00.wav	06-08-22	2022	23	25	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-06 23-36-17.wav	06-08-22	2022	23	36	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-07 21-39-28.wav	07-08-22	2022	21	39	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-07 22-46-30.wav	07-08-22	2022	22	46	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-08 03-54-08.wav	08-08-22	2022	3	54	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-09 23-53-07.wav	09-08-22	2022	23	53	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 02-04-11.wav	10-08-22	2022	2	4	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	EPNO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 04-32-43.wav	10-08-22	2022	4	32	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 04-50-37.wav	10-08-22	2022	4	50	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 20-59-35.wav	10-08-22	2022	20	59	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 22-16-29.wav	10-08-22	2022	22	16	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-10 22-24-41.wav	10-08-22	2022	22	24	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 22-52-35.wav	10-08-22	2022	22	52	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-10 23-39-28.wav	10-08-22	2022	23	39	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 00-38-14.wav	11-08-22	2022	0	38	14	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 00-39-13.wav	11-08-22	2022	0	39	13	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 01-40-16.wav	11-08-22	2022	1	40	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 02-13-07.wav	11-08-22	2022	2	13	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 03-37-29.wav	11-08-22	2022	3	37	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 04-00-46.wav	11-08-22	2022	4	0	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 04-04-49.wav	11-08-22	2022	4	4	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 04-05-15.wav	11-08-22	2022	4	5	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 04-08-28.wav	11-08-22	2022	4	8	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 04-08-46.wav	11-08-22	2022	4	8	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 04-14-56.wav	11-08-22	2022	4	14	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 21-46-29.wav	11-08-22	2022	21	46	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 21-46-51.wav	11-08-22	2022	21	46	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 22-20-59.wav	11-08-22	2022	22	20	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 22-44-31.wav	11-08-22	2022	22	44	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-11 23-41-44.wav	11-08-22	2022	23	41	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 01-40-29.wav	12-08-22	2022	1	40	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 02-46-20.wav	12-08-22	2022	2	46	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 03-47-38.wav	12-08-22	2022	3	47	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 03-47-55.wav	12-08-22	2022	3	47	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 03-55-07.wav	12-08-22	2022	3	55	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 03-55-17.wav	12-08-22	2022	3	55	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-01-24.wav	12-08-22	2022	4	1	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-03-20.wav	12-08-22	2022	4	3	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-03-35.wav	12-08-22	2022	4	3	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-12 04-03-49.wav	12-08-22	2022	4	3	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-04-04.wav	12-08-22	2022	4	4	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-04-26.wav	12-08-22	2022	4	4	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-05-20.wav	12-08-22	2022	4	5	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-07-08.wav	12-08-22	2022	4	7	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-14-29.wav	12-08-22	2022	4	14	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-14-44.wav	12-08-22	2022	4	14	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-15-14.wav	12-08-22	2022	4	15	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-15-54.wav	12-08-22	2022	4	15	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-16-17.wav	12-08-22	2022	4	16	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-17-06.wav	12-08-22	2022	4	17	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-17-30.wav	12-08-22	2022	4	17	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-17-59.wav	12-08-22	2022	4	17	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-19-36.wav	12-08-22	2022	4	19	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-21-10.wav	12-08-22	2022	4	21	11	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-21-37.wav	12-08-22	2022	4	21	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-22-00.wav	12-08-22	2022	4	22	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-22-32.wav	12-08-22	2022	4	22	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-22-53.wav	12-08-22	2022	4	22	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-24-27.wav	12-08-22	2022	4	24	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-25-40.wav	12-08-22	2022	4	25	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 04-40-25.wav	12-08-22	2022	4	40	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 05-05-28.wav	12-08-22	2022	5	5	28	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 05-07-05.wav	12-08-22	2022	5	7	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-12 21-56-30.wav	12-08-22	2022	21	56	31	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 00-52-20.wav	13-08-22	2022	0	52	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 00-52-49.wav	13-08-22	2022	0	52	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 01-22-27.wav	13-08-22	2022	1	22	27	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-13 01-50-35.wav	13-08-22	2022	1	50	35	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 01-59-04.wav	13-08-22	2022	1	59	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 01-59-49.wav	13-08-22	2022	1	59	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 02-00-57.wav	13-08-22	2022	2	0	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-21-32.wav	13-08-22	2022	3	21	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-22-48.wav	13-08-22	2022	3	22	49	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUCx2	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-23-50.wav	13-08-22	2022	3	23	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-24-30.wav	13-08-22	2022	3	24	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-30-37.wav	13-08-22	2022	3	30	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-32-29.wav	13-08-22	2022	3	32	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-32-45.wav	13-08-22	2022	3	32	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-33-11.wav	13-08-22	2022	3	33	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-36-56.wav	13-08-22	2022	3	36	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-37-46.wav	13-08-22	2022	3	37	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-39-49.wav	13-08-22	2022	3	39	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-40-02.wav	13-08-22	2022	3	40	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-40-46.wav	13-08-22	2022	3	40	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-41-44.wav	13-08-22	2022	3	41	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-42-49.wav	13-08-22	2022	3	42	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 03-43-03.wav	13-08-22	2022	3	43	3	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-32-20.wav	13-08-22	2022	4	32	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-33-17.wav	13-08-22	2022	4	33	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-38-00.wav	13-08-22	2022	4	38	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-38-32.wav	13-08-22	2022	4	38	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-38-56.wav	13-08-22	2022	4	38	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-39-41.wav	13-08-22	2022	4	39	42	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-40-09.wav	13-08-22	2022	4	40	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-41-07.wav	13-08-22	2022	4	41	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-13 04-41-29.wav	13-08-22	2022	4	41	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-41-47.wav	13-08-22	2022	4	41	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-42-06.wav	13-08-22	2022	4	42	7	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 04-51-39.wav	13-08-22	2022	4	51	39	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 21-22-38.wav	13-08-22	2022	21	22	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 21-32-36.wav	13-08-22	2022	21	32	36	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 21-43-47.wav	13-08-22	2022	21	43	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 22-10-56.wav	13-08-22	2022	22	10	56	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 22-14-57.wav	13-08-22	2022	22	14	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 22-19-33.wav	13-08-22	2022	22	19	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 23-03-37.wav	13-08-22	2022	23	3	38	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 23-04-08.wav	13-08-22	2022	23	4	8	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-13 23-05-52.wav	13-08-22	2022	23	5	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 00-00-06.wav	14-08-22	2022	0	0	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 01-03-56.wav	14-08-22	2022	1	3	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 01-08-59.wav	14-08-22	2022	1	9	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 01-09-12.wav	14-08-22	2022	1	9	12	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 01-09-25.wav	14-08-22	2022	1	9	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 01-10-40.wav	14-08-22	2022	1	10	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 01-10-50.wav	14-08-22	2022	1	10	51	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-07-48.wav	14-08-22	2022	2	7	48	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-08-09.wav	14-08-22	2022	2	8	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-17-15.wav	14-08-22	2022	2	17	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-17-37.wav	14-08-22	2022	2	17	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-17-52.wav	14-08-22	2022	2	17	53	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-18-10.wav	14-08-22	2022	2	18	10	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-24-52.wav	14-08-22	2022	2	24	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 02-38-22.wav	14-08-22	2022	2	38	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-14 03-11-33.wav	14-08-22	2022	3	11	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 03-12-24.wav	14-08-22	2022	3	12	25	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 03-57-00.wav	14-08-22	2022	3	57	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 04-49-15.wav	14-08-22	2022	4	49	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 04-49-58.wav	14-08-22	2022	4	49	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 04-51-17.wav	14-08-22	2022	4	51	17	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 04-51-40.wav	14-08-22	2022	4	51	41	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 05-16-58.wav	14-08-22	2022	5	16	59	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-42-29.wav	14-08-22	2022	21	42	30	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-55-50.wav	14-08-22	2022	21	55	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-56-50.wav	14-08-22	2022	21	56	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-58-06.wav	14-08-22	2022	21	58	6	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-58-45.wav	14-08-22	2022	21	58	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-59-25.wav	14-08-22	2022	21	59	26	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 21-59-44.wav	14-08-22	2022	21	59	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-00-00.wav	14-08-22	2022	22	0	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-00-22.wav	14-08-22	2022	22	0	23	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-03-18.wav	14-08-22	2022	22	3	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-03-36.wav	14-08-22	2022	22	3	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-04-00.wav	14-08-22	2022	22	4	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-04-02.wav	14-08-22	2022	22	4	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-04-17.wav	14-08-22	2022	22	4	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-04-32.wav	14-08-22	2022	22	4	33	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-04-46.wav	14-08-22	2022	22	4	47	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-05-01.wav	14-08-22	2022	22	5	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-05-18.wav	14-08-22	2022	22	5	18	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-05-31.wav	14-08-22	2022	22	5	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-05-46.wav	14-08-22	2022	22	5	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-14 22-05-58.wav	14-08-22	2022	22	5	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-06-21.wav	14-08-22	2022	22	6	22	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-06-43.wav	14-08-22	2022	22	6	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-07-00.wav	14-08-22	2022	22	7	0	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-07-15.wav	14-08-22	2022	22	7	16	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-07-31.wav	14-08-22	2022	22	7	32	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-07-45.wav	14-08-22	2022	22	7	46	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-08-58.wav	14-08-22	2022	22	8	58	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-09-14.wav	14-08-22	2022	22	9	15	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-09-36.wav	14-08-22	2022	22	9	37	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-09-53.wav	14-08-22	2022	22	9	54	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-10-08.wav	14-08-22	2022	22	10	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-11-05.wav	14-08-22	2022	22	11	5	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-11-28.wav	14-08-22	2022	22	11	29	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-11-44.wav	14-08-22	2022	22	11	45	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-11-56.wav	14-08-22	2022	22	11	57	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-12-09.wav	14-08-22	2022	22	12	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-12-20.wav	14-08-22	2022	22	12	21	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-12-44.wav	14-08-22	2022	22	12	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-12-55.wav	14-08-22	2022	22	12	55	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-13-09.wav	14-08-22	2022	22	13	9	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-13-51.wav	14-08-22	2022	22	13	52	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 22-14-19.wav	14-08-22	2022	22	14	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-14 23-28-01.wav	14-08-22	2022	23	28	2	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 00-52-19.wav	15-08-22	2022	0	52	20	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 00-55-40.wav	15-08-22	2022	0	55	40	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 02-23-01.wav	15-08-22	2022	2	23	1	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 04-54-44.wav	15-08-22	2022	4	54	44	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-15 04-55-33.wav	15-08-22	2022	4	55	34	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 04-57-04.wav	15-08-22	2022	4	57	4	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 04-58-50.wav	15-08-22	2022	4	58	50	1	WGS84	51,68947	-75,82325	NA	Birth and nursing	2	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-30-44.wav	15-08-22	2022	21	30	44	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-46-54.wav	15-08-22	2022	21	46	55	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-47-20.wav	15-08-22	2022	21	47	21	1	WGS84	51,68947	-75,82325	NA	migration	3	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-47-37.wav	15-08-22	2022	21	47	37	1	WGS84	51,68947	-75,82325	NA	migration	3	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-48-10.wav	15-08-22	2022	21	48	11	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-49-33.wav	15-08-22	2022	21	49	34	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-49-52.wav	15-08-22	2022	21	49	53	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-50-09.wav	15-08-22	2022	21	50	10	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-50-25.wav	15-08-22	2022	21	50	25	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 21-50-39.wav	15-08-22	2022	21	50	39	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 22-43-44.wav	15-08-22	2022	22	43	44	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 22-57-55.wav	15-08-22	2022	22	57	56	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 22-58-43.wav	15-08-22	2022	22	58	43	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 23-10-48.wav	15-08-22	2022	23	10	49	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-15 23-14-26.wav	15-08-22	2022	23	14	26	1	WGS84	51,68947	-75,82325	NA	migration	3	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-16 04-40-49.wav	16-08-22	2022	4	40	49	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-16 04-41-08.wav	16-08-22	2022	4	41	8	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-16 04-41-23.wav	16-08-22	2022	4	41	23	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-16 23-55-08.wav	16-08-22	2022	23	55	8	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 04-35-58.wav	17-08-22	2022	4	35	58	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 04-36-21.wav	17-08-22	2022	4	36	22	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 04-40-43.wav	17-08-22	2022	4	40	43	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 04-43-13.wav	17-08-22	2022	4	43	13	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-35-22.wav	17-08-22	2022	21	35	22	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-35-34.wav	17-08-22	2022	21	35	34	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-17 21-35-44.wav	17-08-22	2022	21	35	45	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-36-07.wav	17-08-22	2022	21	36	7	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-36-29.wav	17-08-22	2022	21	36	30	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-36-49.wav	17-08-22	2022	21	36	49	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-37-05.wav	17-08-22	2022	21	37	6	1	WGS84	51,68947	-75,82325	NA	migration	3	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-41-44.wav	17-08-22	2022	21	41	45	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-42-08.wav	17-08-22	2022	21	42	8	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-42-29.wav	17-08-22	2022	21	42	30	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-49-41.wav	17-08-22	2022	21	49	41	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-50-48.wav	17-08-22	2022	21	50	49	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-51-46.wav	17-08-22	2022	21	51	47	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-52-10.wav	17-08-22	2022	21	52	10	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-52-27.wav	17-08-22	2022	21	52	28	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-52-38.wav	17-08-22	2022	21	52	39	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 21-59-51.wav	17-08-22	2022	21	59	52	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 22-03-54.wav	17-08-22	2022	22	3	54	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 22-32-20.wav	17-08-22	2022	22	32	21	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 23-01-18.wav	17-08-22	2022	23	1	19	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 23-09-24.wav	17-08-22	2022	23	9	24	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 23-41-01.wav	17-08-22	2022	23	41	2	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 23-42-22.wav	17-08-22	2022	23	42	22	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-17 23-48-32.wav	17-08-22	2022	23	48	32	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 00-04-45.wav	18-08-22	2022	0	4	45	1	WGS84	51,68947	-75,82325	NA	migration	3	LASBOR	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 01-49-00.wav	18-08-22	2022	1	49	1	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 21-15-09.wav	18-08-22	2022	21	15	9	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 21-24-03.wav	18-08-22	2022	21	24	4	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 21-26-23.wav	18-08-22	2022	21	26	23	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 21-49-53.wav	18-08-22	2022	21	49	53	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-18 22-14-09.wav	18-08-22	2022	22	14	9	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 22-21-13.wav	18-08-22	2022	22	21	14	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 22-29-12.wav	18-08-22	2022	22	29	12	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-18 22-42-18.wav	18-08-22	2022	22	42	19	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 00-53-19.wav	19-08-22	2022	0	53	19	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 01-17-36.wav	19-08-22	2022	1	17	37	1	WGS84	51,68947	-75,82325	NA	migration	3	LASNOC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 01-26-30.wav	19-08-22	2022	1	26	30	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 01-29-19.wav	19-08-22	2022	1	29	20	1	WGS84	51,68947	-75,82325	NA	migration	3	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 01-54-06.wav	19-08-22	2022	1	54	7	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 02-06-54.wav	19-08-22	2022	2	6	54	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 21-01-05.wav	19-08-22	2022	21	1	6	1	WGS84	51,68947	-75,82325	NA	migration	3	CINO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 21-25-05.wav	19-08-22	2022	21	25	5	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 21-49-20.wav	19-08-22	2022	21	49	20	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 21-53-15.wav	19-08-22	2022	21	53	16	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 22-15-03.wav	19-08-22	2022	22	15	4	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 22-20-40.wav	19-08-22	2022	22	20	41	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 23-31-46.wav	19-08-22	2022	23	31	47	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 23-33-41.wav	19-08-22	2022	23	33	41	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 23-36-50.wav	19-08-22	2022	23	36	51	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 23-40-07.wav	19-08-22	2022	23	40	7	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 23-42-53.wav	19-08-22	2022	23	42	54	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-19 23-43-36.wav	19-08-22	2022	23	43	36	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 00-10-36.wav	20-08-22	2022	0	10	37	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 01-03-27.wav	20-08-22	2022	1	3	27	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 02-23-18.wav	20-08-22	2022	2	23	19	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 02-23-33.wav	20-08-22	2022	2	23	33	1	WGS84	51,68947	-75,82325	NA	migration	3	MYBO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 02-24-59.wav	20-08-22	2022	2	24	59	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 02-25-37.wav	20-08-22	2022	2	25	38	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-20 02-45-18.wav	20-08-22	2022	2	45	19	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 02-46-45.wav	20-08-22	2022	2	46	46	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 02-52-57.wav	20-08-22	2022	2	52	57	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 03-41-11.wav	20-08-22	2022	3	41	11	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 03-46-26.wav	20-08-22	2022	3	46	26	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 04-03-37.wav	20-08-22	2022	4	3	38	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 04-47-44.wav	20-08-22	2022	4	47	44	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 04-48-25.wav	20-08-22	2022	4	48	25	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 04-48-44.wav	20-08-22	2022	4	48	45	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 21-06-45.wav	20-08-22	2022	21	6	46	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 22-52-05.wav	20-08-22	2022	22	52	5	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 23-48-20.wav	20-08-22	2022	23	48	20	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-20 23-48-48.wav	20-08-22	2022	23	48	49	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 01-43-50.wav	21-08-22	2022	1	43	50	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 02-39-08.wav	21-08-22	2022	2	39	8	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 02-40-51.wav	21-08-22	2022	2	40	51	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 02-42-50.wav	21-08-22	2022	2	42	50	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 03-21-00.wav	21-08-22	2022	3	21	0	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 04-08-45.wav	21-08-22	2022	4	8	46	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 04-21-15.wav	21-08-22	2022	4	21	15	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 04-37-54.wav	21-08-22	2022	4	37	54	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 21-14-26.wav	21-08-22	2022	21	14	26	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 21-49-24.wav	21-08-22	2022	21	49	25	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 21-51-45.wav	21-08-22	2022	21	51	46	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 21-56-36.wav	21-08-22	2022	21	56	37	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 21-57-59.wav	21-08-22	2022	21	57	59	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 22-01-16.wav	21-08-22	2022	22	1	16	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 22-20-18.wav	21-08-22	2022	22	20	18	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-21 23-32-18.wav	21-08-22	2022	23	32	18	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-21 23-56-27.wav	21-08-22	2022	23	56	27	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-22 01-37-30.wav	22-08-22	2022	1	37	30	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-22 03-12-19.wav	22-08-22	2022	3	12	20	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 02-45-44.wav	23-08-22	2022	2	45	44	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 04-24-40.wav	23-08-22	2022	4	24	41	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 20-57-48.wav	23-08-22	2022	20	57	49	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 20-59-19.wav	23-08-22	2022	20	59	20	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 21-41-10.wav	23-08-22	2022	21	41	11	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 22-00-22.wav	23-08-22	2022	22	0	23	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 22-15-08.wav	23-08-22	2022	22	15	9	1	WGS84	51,68947	-75,82325	NA	migration	3	EPNO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 22-43-41.wav	23-08-22	2022	22	43	42	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 22-48-01.wav	23-08-22	2022	22	48	2	1	WGS84	51,68947	-75,82325	NA	migration	3	EPTFUS	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-23 22-48-38.wav	23-08-22	2022	22	48	39	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-24 01-23-38.wav	24-08-22	2022	1	23	38	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-24 04-22-22.wav	24-08-22	2022	4	22	23	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-24 04-53-54.wav	24-08-22	2022	4	53	55	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-25 20-53-20.wav	25-08-22	2022	20	53	21	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-25 21-18-52.wav	25-08-22	2022	21	18	53	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-25 22-39-42.wav	25-08-22	2022	22	39	42	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-27 20-46-57.wav	27-08-22	2022	20	46	58	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-27 21-45-37.wav	27-08-22	2022	21	45	38	1	WGS84	51,68947	-75,82325	NA	migration	3	EPTFUS	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-27 23-31-22.wav	27-08-22	2022	23	31	22	1	WGS84	51,68947	-75,82325	NA	migration	3	EPTFUS	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-28 05-17-55.wav	28-08-22	2022	5	17	55	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-28 05-18-13.wav	28-08-22	2022	5	18	13	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-28 05-18-33.wav	28-08-22	2022	5	18	34	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-28 22-57-57.wav	28-08-22	2022	22	57	57	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-29 02-49-26.wav	29-08-22	2022	2	49	27	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-08-29 20-44-39.wav	29-08-22	2022	20	44	40	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-29 21-20-22.wav	29-08-22	2022	21	20	22	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-30 20-35-12.wav	30-08-22	2022	20	35	12	1	WGS84	51,68947	-75,82325	NA	migration	3	CINO	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-30 23-05-56.wav	30-08-22	2022	23	5	57	1	WGS84	51,68947	-75,82325	NA	migration	3	EPTFUS	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-31 03-44-05.wav	31-08-22	2022	3	44	6	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-31 03-51-59.wav	31-08-22	2022	3	52	0	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-31 05-57-43.wav	31-08-22	2022	5	57	44	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-31 20-33-17.wav	31-08-22	2022	20	33	17	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-08-31 20-45-08.wav	31-08-22	2022	20	45	9	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-03 03-49-31.wav	03-09-22	2022	3	49	32	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-03 04-44-33.wav	03-09-22	2022	4	44	34	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-03 05-28-47.wav	03-09-22	2022	5	28	48	1	WGS84	51,68947	-75,82325	NA	migration	3	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-04 20-38-35.wav	04-09-22	2022	20	38	35	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-04 20-41-23.wav	04-09-22	2022	20	41	24	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-04 20-41-49.wav	04-09-22	2022	20	41	49	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-04 20-42-27.wav	04-09-22	2022	20	42	27	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-04 20-42-56.wav	04-09-22	2022	20	42	57	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-04 20-43-54.wav	04-09-22	2022	20	43	54	1	WGS84	51,68947	-75,82325	NA	migration	3	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-05 05-13-06.wav	05-09-22	2022	5	13	7	1	WGS84	51,68947	-75,82325	NA	migration	3	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-05 05-13-21.wav	05-09-22	2022	5	13	21	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-05 05-35-35.wav	05-09-22	2022	5	35	36	1	WGS84	51,68947	-75,82325	NA	migration	3	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-05 20-37-12.wav	05-09-22	2022	20	37	13	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-05 21-03-41.wav	05-09-22	2022	21	3	41	1	WGS84	51,68947	-75,82325	NA	migration	4	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 20-26-52.wav	06-09-22	2022	20	26	53	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 20-29-37.wav	06-09-22	2022	20	29	38	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 20-30-35.wav	06-09-22	2022	20	30	36	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 20-51-33.wav	06-09-22	2022	20	51	34	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 21-05-00.wav	06-09-22	2022	21	5	0	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-09-06 21-11-33.wav	06-09-22	2022	21	11	33	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 21-19-44.wav	06-09-22	2022	21	19	45	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 21-21-15.wav	06-09-22	2022	21	21	16	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 21-26-56.wav	06-09-22	2022	21	26	57	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 21-32-21.wav	06-09-22	2022	21	32	22	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 22-30-58.wav	06-09-22	2022	22	30	58	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 22-58-36.wav	06-09-22	2022	22	58	37	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 23-38-06.wav	06-09-22	2022	23	38	7	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-06 23-45-28.wav	06-09-22	2022	23	45	29	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-07 00-00-27.wav	07-09-22	2022	0	0	28	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 05-27-03.wav	09-09-22	2022	5	27	4	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 05-27-56.wav	09-09-22	2022	5	27	56	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 20-56-51.wav	09-09-22	2022	20	56	51	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 20-58-48.wav	09-09-22	2022	20	58	48	1	WGS84	51,68947	-75,82325	NA	migration	4	MYSP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 21-07-29.wav	09-09-22	2022	21	7	30	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 21-08-55.wav	09-09-22	2022	21	8	56	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 21-35-09.wav	09-09-22	2022	21	35	9	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-09 22-41-42.wav	09-09-22	2022	22	41	42	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-10 05-15-17.wav	10-09-22	2022	5	15	18	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-10 05-18-26.wav	10-09-22	2022	5	18	27	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-10 06-20-32.wav	10-09-22	2022	6	20	32	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-10 21-27-13.wav	10-09-22	2022	21	27	14	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-10 21-27-37.wav	10-09-22	2022	21	27	37	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-10 21-35-01.wav	10-09-22	2022	21	35	1	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-11 03-02-42.wav	11-09-22	2022	3	2	43	1	WGS84	51,68947	-75,82325	NA	migration	4	SP	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-11 20-16-11.wav	11-09-22	2022	20	16	11	1	WGS84	51,68947	-75,82325	NA	migration	4	LACSIN	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-12 03-06-58.wav	12-09-22	2022	3	6	59	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-13 02-43-22.wav	13-09-22	2022	2	43	23	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUCx2	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

536754 2022-09-14 02-45-51.wav	14-09-22	2022	2	45	52	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA
536754 2022-09-14 03-04-05.wav	14-09-22	2022	3	4	6	1	WGS84	51,68947	-75,82325	NA	migration	4	MYOLUC	NA	Audrey Lauzon	Titley Scientific	Anabat Swift	1,4	536754	YEAR-MM-DD HH-MM-SS	8	Manual verification of the species identification made by Kaleidocope's Auto-ID.	Kaleidoscope	5.4.8	NA	NA

FORMULAIRE D'IMPLANTATION D'UNE STATION FIXE

INSTALLATION

Général

N° de la station: Spadumène
Date d'installation: 2022-05-10 (aaaa-mm-jj)
Heure: 19h55
N^os de photos:
Chemin d'accès: Route du Nord

Coord. géographiques (degré décimal): N 51,68947 ; -75,82325 O
Nom des observateurs: 1. Marine Serra-David 2. William Rondeau

prendre photos s.v.p !!

Appareil de détection d'ultrasons

Marque de l'appareil: Anabat Swift
N° de l'appareil: 3
N° de série: 536754
N^os de cartes SD: 5 et 3

Microphones

N° de micro à ultrasons: US-OV3 #5
Hauteur du micro à ultrasons: 3 m
Orientation du micro: vers le camps orienté à l'Est

Alimentation solaire

N° de panneau solaire: 2
Voltage de départ: 12V
N° de batterie: 2

Environnement

Distance du plan d'eau: ≈ 20 m
Distance de la forêt: ≈ 20 m
Taille du plan d'eau:

Description de l'habitat:

Remarques: N-A Station météo: 51.68955 N -75.82507 O

RÉCUPÉRATION

Général

N° de la station: Spadumène
Date de récupération: 2022/10/31 (aaaa-mm-jj)
Heure: 12h30
Remarque: N-A.

Noms des observateurs: 1. Marine Serra-David 2. Émilie Dumas Bernard

Alimentation solaire

Voltage de fin:

Votre gouvernement

Équipe de rétablissement des chauves-souris du Québec

Québec

Experts-conseils
Faune et Environnement

FINAL REPORT

ACOUSTIC BAT INVENTORY ON THE WHABOUCHI MINE TERRITORY

FOR

Nemaska Lithium

ANNIE FRÉCHETTE
ENVIRONMENT COORDINATOR

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DECEMBER 2022

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1. CONTEXT

A cabin located on the shore of the Spodumène lake and belonging to the Direction de la protection de la faune du Nord-du-Québec (DPF-10) represents, due to its location near a mature forest and a lake, an interesting habitat for bats during a critical period of their life cycle: the birth and nursing period. For many years, this abandoned cabin was mainly used by little brown bats (*Myotis lucifugus*) and northern long-eared bats (*Myotis septentrionalis*) as a maternity colony during summer. Six bat houses have also been installed on the site over the years.

In recent years, the annual monitoring of this bat community became essential with the imminent threat of the white-nose syndrome (WNS; a fungal pathogen infecting and killing bats), coupled with the endangered status of the two bat species mostly found on the site and the development and implementation of the Whabouchi mine. Since 2009, the Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP-DGFa-10) has been monitoring this bat maternity colony. This long-term monitoring is maintained by the Whabouchi mine since 2017.

In addition to the little brown bat and the northern long-eared bat, other species are likely to be found on the study site. The Eeyou Istchee James Bay region is home to six (6) species of bats, five (5) of which have a precarious status in terms of the law (table 1). As for the northern long-eared bat and the little brown bat, they have been, since December 2014, designated by the federal authorities as "endangered" species and, therefore, listed in Appendix 1. of the Species at Risk Act following an emergency assessment. The Subcommittee of the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) has concluded that the unprecedented mortality rate in Canada of native bat species due to the WNS poses a serious threat to the survival of each of these species. Populations of both species have recently experienced precipitous declines due to the rapid spread of WNS.

Table 1. Bat species status and designations in the Eeyou Istchee James Bay region.

Species	Act respecting threatened or vulnerable species (Québec)	Species at Risk Act (Canada)	Committee on the Status of Endangered Wildlife in Canada (COSEWIC)
Northern long-eared bat *Myotis septentrionalis*	-	Endangered	Endangered
Little brown bat *Myotis lucifugus*	-	Endangered	Endangered
Big brown bat *Eptesicus fuscus*	-	-	-
Silver-haired bat *Lasionycteris noctivagans*	Susceptible of being listed as threatened or vulnerable	-	-
Hoary bat *Lasiurus cinereus*	Susceptible of being listed as threatened or vulnerable	-	-
Eastern red bat *Lasiurus borealis*	Susceptible of being listed as threatened or vulnerable	-	-

In May 2011, WNS was detected in the Eeyou Istchee James Bay region, in the hibernaculum which presented at that time the largest number of bats in the province (Mine Lac Rose, approximately 9,300 individuals; 49.369°N, - 76.807°W). Since then, the WNS has continued to spread northward. It was found to affect the Bruneau mine hibernaculum (49.936°N, -76.833°W), on the territory of Chibougamau, in 2012. The Direction de la Gestion de la Faune du Nord-du-Québec (MFFP-DGFa-10), according to observations in the field, suggests that the populations of these two hibernacula are practically decimated.

In this alarming context, efforts must be invested to ensure the presence of high-quality habitat, such as the Spodumène lake maternity colony, allowing the conservation of bat populations on the territory.

2. OBJECTIVES

The main objectives of this study were to:

1) Document the use of the cabin and the bat houses at the Spodumène lake on the whabouchi mine territory as a maternity colony by bats;
2) Install an Anabat Swift-type device to estimate bat activity per species or species complexes nearby the cabin;
3) Conduct direct visual counts of individuals using the cabin and/or the bat houses;
4) Find other potential essential (hibernaculum) or important (maternity colony) habitats for bat on and around the Whabouchi mine territory;
5) Provide Nemaska Lithium with scientific data on which to base the annual monitoring of the Spodumène lake bat maternity colony.

3. METHODS

3.1 STUDY AREA

The study area includes the north shore of Spodumène lake, located to the east of the area targeted by the Whabouchi mine project (figure 1).

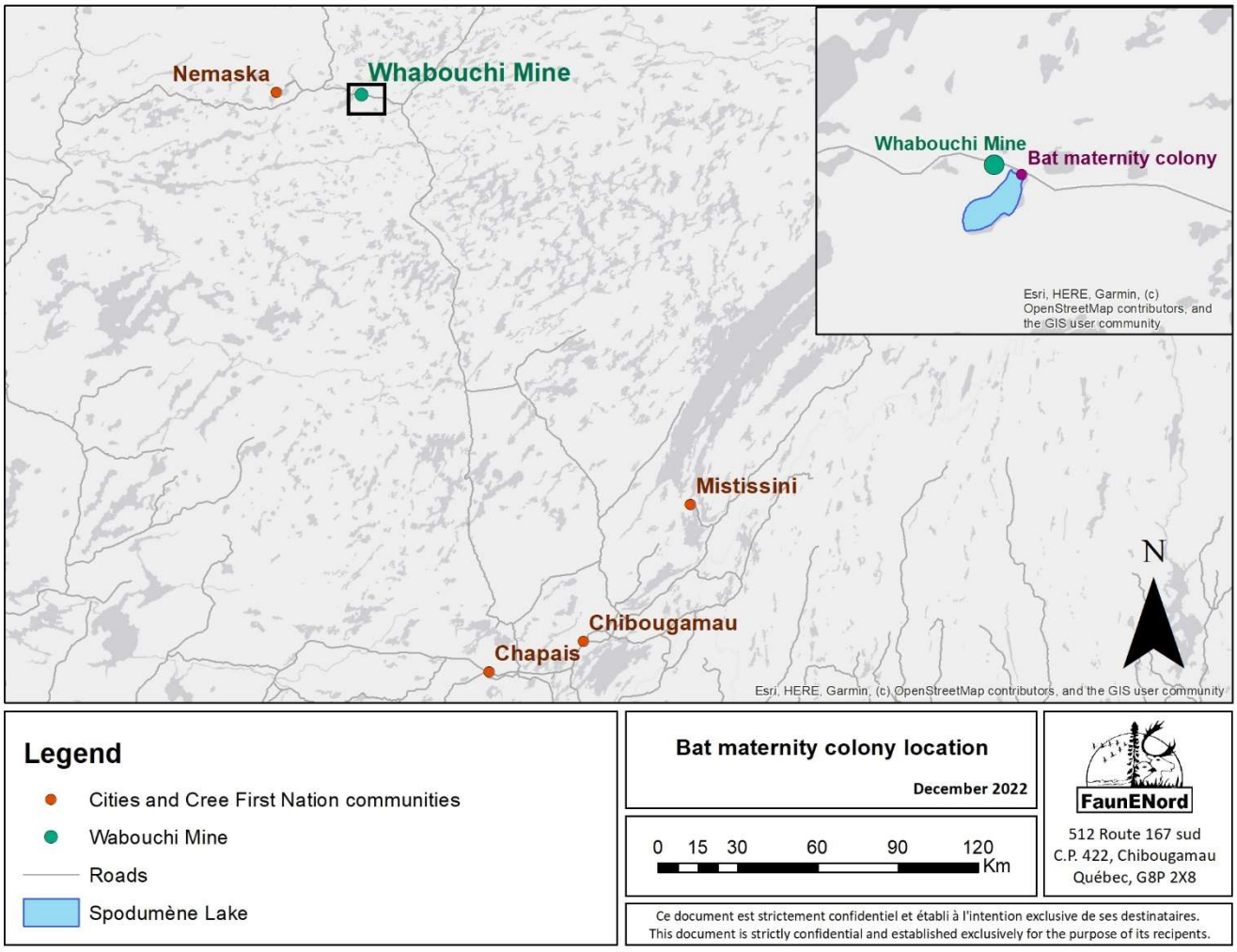

Figure 1. Bat maternity colony location on the whabouchi mine territory.

On the site, nearby the lake, an old building that belonged to DPF-10 can be found. This building is surrounded by young jack pine (*Pinus banksiana*) forest to the west, by the Spodumène lake beach to the south, by a mature forest to the east and by the North Road to the north. Besides the building itself, six (6) bat houses are installed around it (two to the southwest of the building and four to the east). A path provides access to the study area by car (figure 2).

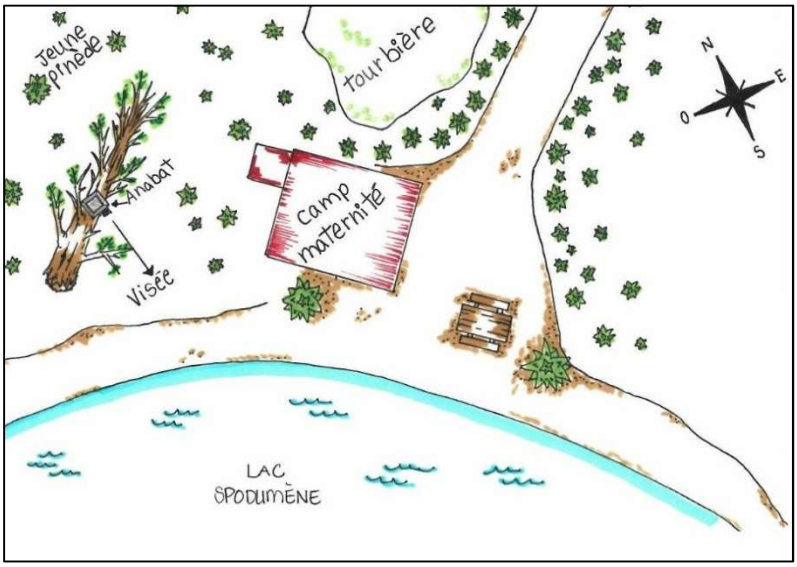

Figure 2. Plan of the study area located on the whabouchi mine territory.

3.2 BAT INVENTORY

The methods followed during this inventory was adapted from the section "Bat monitoring" of the *Procédure de suivi environnemental* (Nemaska Lithium and NordaStelo, 2017) and the *Recueil des protocoles standardisés d'inventaires acoustiques de chauves-souris au Québec* (MFFP, 2022) and the *Recueil des protocoles standardisés pour l'inventaire des colonies estivales de chauves-souris au Québec* (MFFP, 2022b).

Two types of inventories were used in a complementary way; the acoustic bat inventory allowing to identify bat species or bat species complexes using the study area and the visual bat counts allowing to estimate the number of individuals present in a bat maternity colony.

3.2.1 ACOUSTIC BAT INVENTORY

The device used for the acoustic bat inventory was an Anabat Swift-type ultrasonic detector (Titley Scientific, USA), powered externally by a 12 V battery charged by a solar panel (figure 3). An omnidirectional microphone (US-O V2, Titley Scientific, USA) was coupled with the ultrasonic detector. The microphone was installed approximately 2.5 m above the ground, oriented to the northeast and towards the ground at an angle of 45°. Device parameters were set to record passively and to facilitate data collection and analysis (table 2). Maintenance visits to the sampling station were made on June 25 and July 23, 2022 to change the SD cards in the Anabat Swift and check the general state of the sampling station.

Figure 3. Anabat Swift in its protective case attached to a fallen tree near the Spodumène lake beach. The Anabat Swift was connected to a battery (in the protective case), itself connected to a solar panel.

Table 2. Selected parameters on the Anabat Swift used for the acoustic bat inventory carried out on the whabouchi mine territory.

Parameters	Selected value on the device
Recording type	June 15 to 23, 2022: zero crossing (ZC); June 23 to September 25, 2022: full spectrum (FS)
Sampling period	« Night only » [1] mode
Sensitivity	14
Maximal file length	15 s
Division ratio	8
Minimal frequency detected	16 kHz
Maximal frequency detected	250 kHz
Trigger window	5 s
Minimum duration of a sound that triggers a recording	1 ms
Power	External (12 V battery with a solar panel)

1 The device's GPS system automatically programs recording to start 30 minutes before sunset and to stop 30 minutes after sunrise.

The equipment was attached to a fallen tree near the Spodumène lake beach and near the cabin (51.68947; -75.82325). This strategic location had been recommended for several years by the MELCCFP-DGFa-10 for undertaking this type of inventory. The device was installed on the site on May 10, 2022, at 7:55 P.M. and was uninstalled on September October 31, 2022, at 12:30 P.M. The sampling station descriptive form can be found in the appendix 1.

3.2.1.1 Sampling effort

The only fixed station deployed in this project was installed in the spring and uninstalled in the fall to cover the birth and nursing sampling period from June 15 to August 14, 2022 (sampling session 01 from June 1 to July 19, 2022; sampling session 02 from July 20 to August 14, 2022) and the migration sampling period from August 15 to September 25, 2022 (sampling session 03 from August 15 to September 4, 2022; sampling session 04 from September 5 to 25, 2022; MFFP, 2022). The objective was to collect a minimum of 80 hours (40 hours per sampling session) of recording per station for each sampling period (migration; birth and nursing).

3.2.1.2 Sonograms analyses

The echolocation calls emitted by bats were analyzed with Kaleidoscope PRO (v. 5.4.8; Wildlife Acoustics, USA). Bat calls present characteristics that are specific to each species (maximum and minimum frequency of the call, duration of the call, etc.). These characteristics were therefore used to identify the species recorded by the ultrasonic detector. However, some species emit very similar calls and it is sometimes very difficult to distinguish them. In such cases, a "complex" of species was identified.

A "bat pass" is defined as a bat call detected and recorded by an ultrasound detector (sonogram) and associated with a species or a complex of species (MFFP, 2021a). When a pass included fewer than three signals and/or that the signal was not clearly defined, the pass was considered as "not reliable" to identify bat to the species (Loeb *and al.* 2015).

The sonograms were automatically identified using the Kaleidoscope PRO Auto-ID. Manual validation of the species identification made by Kaleidoscope PRO Auto-ID was then carried out by Audrey Lauzon (Biologist, M. Sc., FaunENord).

3.2.2 VISUAL BAT COUNTS

The visual bat counts were following the standardize protocol of the MFFP (2022b). During these bat counts, three (3) observers were placed to watch the openings from which bats could have left and/or entered the cabin, or the bat houses around the cabin. Bat counts began 30 minutes before sunset and ended about 30 minutes after the last observed bat. Meteorological data were noted at the beginning and at the end of the visual bat counts, in addition to the number of bats leaving/entering the cabin during the visual bat count. Bat houses were also inspected during the day to detect any signs of recent use by bats.

3.3 METEOROLOGICAL DATA

Weather conditions greatly influence bat behaviour. Data collected by the ultrasonic detector should then be always coupled with the actual meteorological data within a radius of 20 kilometers from the detectors in order to determine their contribution in the estimation of bat activity. According to the standardized ministerial protocol (MFFP, 2022), the meteorological conditions deemed optimal for an acoustic bat inventory above the 49th parallel are:

- A wind speed of less than 20 km/h;

- An ambient temperature above 5°C;

- Zero precipitation or, at worst, not more than 3 mm per night.

The lunar phases can also influence bat activity since nocturnal insect activity would be reduced during the full moon phase (Williams and Singh, 1951 cited by MFFP, 2021a).

Meteorological data were collected every 30 min by a HOBO Micro Station weather station (Hoskin Scientific, Canada) installed on May 10, 2022 at the top of a snag in the open regenerating jack pine forest approximately 100 metres from the cabin on (figure 4) and remove on October 31, 2022 on the same day as the Anabat Swift.

The variables estimated by the weather station were: temperature (°C), wind speed (km/h) and precipitation (mm). Due to logistical issues, the pluviometer needed to estimate the amount of precipitation was only added to the weather station on July 24, 2022. The number of hours presenting suitable conditions for bat activity could then not be estimated between June 15 and July 24, 2022. lunar phases were added to the database, to perfect the estimation of the number of nights with optimal weather for bat activity during the inventory (appendix 2).

Figure 4. Weather station installed approximately 100 metres from the Spodumène lake cabin for the acoustic bat inventory carried out on the whabouchi mine territory.

Approximately 329 hours of recording associated with optimal weather conditions during the acoustic bat inventory were collected (table 3). Among these hours, 80 of them took place during full moon

phases in the birth and nursing period and 60 of them in the migration period (appendix 2). During all sampling periods, the minimum hours of favourable weather conditions (80 hours per station per sampling session) were reached (table 3).

Table 3. Number of hours of recording associated with favourable weather conditions during the acoustic bat inventory carried out at Spodumène lake on the whabouchi mine territory.

Station	Birth and nursing		Migration	
	Session 01	Session 02	Session 03	Session 04
1	NA	119	112	98

3.4 BUILDING INSPECTION

Buildings (mine buildings, storages, cabins, etc.) and structures (rock pile, outcrop, etc.) found on the Whabouchi mine territory and at the western limit of this territory were inspected during the day to assess the possible use of these buildings and structures by bats (presence and collect of bat guano, noise heard, etc.). During these inspections, GPS coordinates and photos of the buildings and structures were also taken.

Given that the Spodumène lake bat maternity colony activity is decreasing since 2019, these inspections aim to discover other potential essential (hibernaculum) or important (maternity colony, roost, etc.) bat habitats in and around the mine territory.

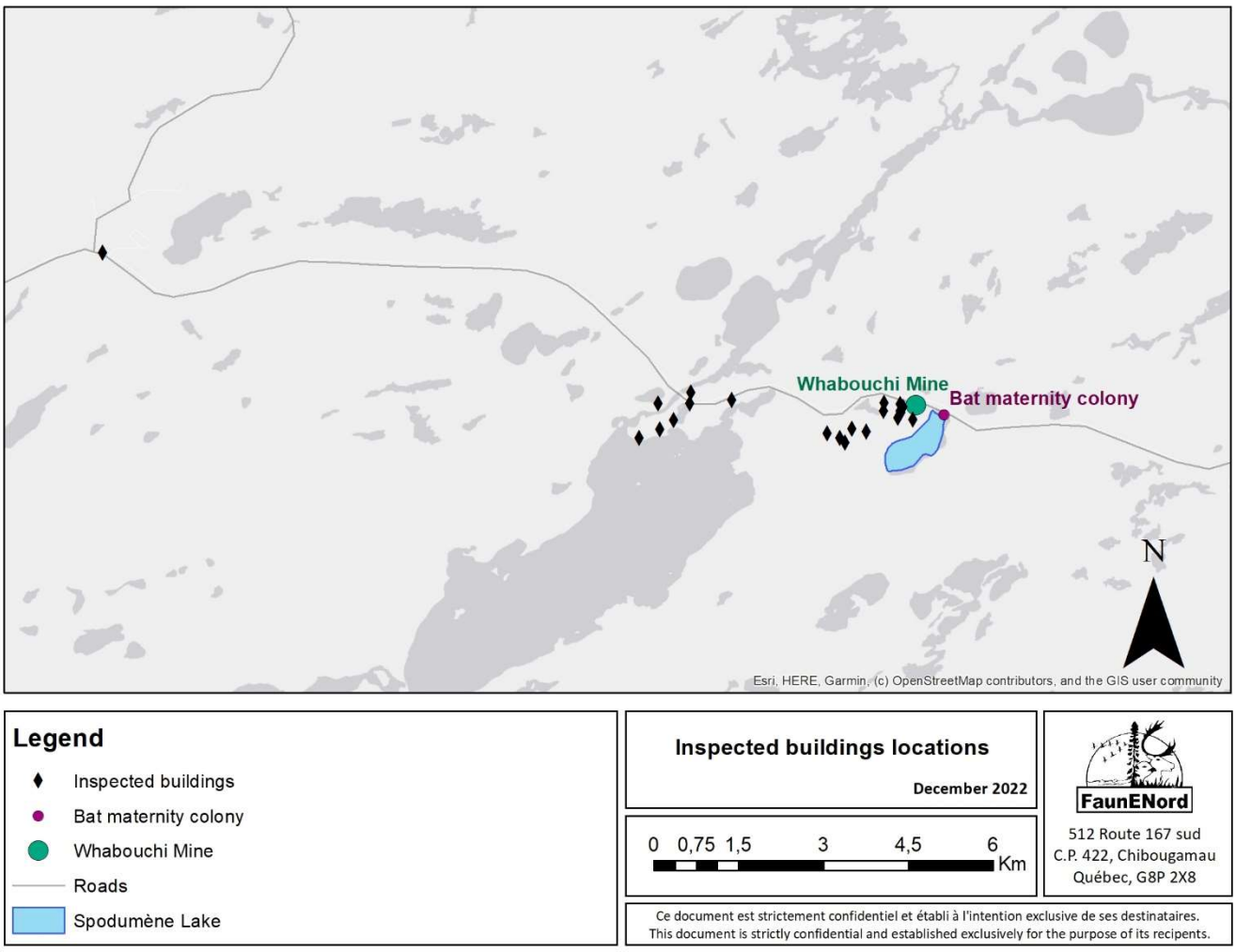

Figure 5. Inspected buildings and structures locations in and around the Whabouchi mine territory.

3.5 OTHER MONITORINGS

In addition, given that the Spodumène lake maternity colony represents an essential habitat for the bat populations present on the territory, additional monitorings are undertaken annually by the MELCCFP. A study on the demography of bat populations using the capture-mark-recapture method has been deployed annually since the summer 2018 and a comparative study of the performance of different bat house models, occurring since 2016 in the site, has been completed and published in 2021.

3.6 COVID-19

Because of the COVID-19 pandemic, additional precautions had to be taken by the wildlife technicians to avoid the risk of virus transmissions between bats and humans. Indeed, the potential for transmission to North American bats is not documented, but sequencing of the original strain of the virus reveals a high degree of similarity between SARS-CoV-2 and coronaviruses circulating within populations of bats (Palmer *et al*., 2021). The virus is known to be transmissible to certain wildlife species native to Quebec,

such as mink (*Neogale vison*; Palmer, 2021). Additionally, significant percentages of white-tailed deer (*Odocoileus virginianus*) in the Northeastern United States have recently been found to have developed antibodies to this disease (Chandler et al., 2021).

In order to prevent the risk of COVID-19 virus transmission, wildlife technicians had to wear Tyvek suits, masks, gloves and safety glasses when carrying out field work in the cabin. Staff also needed to have access to hand sanitizer and bleach solution (10%) to pre-decontaminate anything brought inside the cabin, as well as to decontaminate anything coming out of the cabin. Soiled equipment (gloves and coveralls) had to be thrown into a trash bag immediately. This additional protocol is based on recommendations from the Canadian Wildlife Health Network (2021).

4. RESULTS AND DISCUSSION

Four (4) visits were made during the summer of 2022 in the study area, i.e. May 10 (equipment deployed), June 24 and 25 (visual bat count), July 23 and 24 (visual bat count), as well as October 31 (equipment removed). During these visits, no problem related to the state of the maternity colony itself (cabin and bat houses) was observed by FaunENord's or the Ministry's wildlife technicians.

4.1 ACOUSTIC BAT INVENTORY

4.1.1 SONOGRAMS ANALYSES

A total of 5,081 recordings during the birth and nursing period and 3,178 recordings during the migration period were collected by the ultrasonic detector. Of these 8,259 recordings, 885 recordings (birth and nursing period) and 177 recordings (migration period) were clearly attributable to a species or species complex. Other sonograms (66 during the birth and nursing period and 18 during the migration period) indicated the presence of bats, but were not of good enough quality to positively identify a species or a bat species complex (appendix 3; appendix 4). The low quality of these sonograms could be associated with several factors: recording quality affected by ambient noise, incomplete bat calls, very low number (< three) of clear bat calls, etc. The analysis of good recordings suggested the presence of 4 species complexes as well as 5 species in the study area:

- **Little brown bat:** Identified in 834 recording (759 during birth and nursing period and 75 during the migration period);

- ***Myotis* sp. complex (little-brown bat and northern long-eared bat):** Identified in 65 recordings (50 during birth and nursing period and 15 during the migration period);

- **Big brown bat**: Identified in 6 recording (2 during birth and nursing period and 4 during the migration period);

- **Silver-haired bat:** Identified in 3 recording (2 during birth and nursing period and 1 during migration period);

- **Big brown – Silver-haired bat complex**: Identified in 10 recordings (9 during birth and nursing period and 1 during migration period);

- **Hoary bat:** Identified in 113 recording (40 during birth and nursing period and 73 during migration period);

- **Silver-haired - Hoary bat complex**: Identified in 4 recordings (2 during birth and nursing period and 2 during the migration period);

- **Eastern red bat:** Identified in 1 recording (0 during birth and nursing period and 1 during migration period);

- **Eastern red – Little brown bat complex:** Identified in 40 recording (34 during birth and nursing period and 6 during the migration period);

According to data collected by the Anabat Swift, bats were already present in the study area on May 10, 2022, when the equipment was deployed. Therefore, their exact date of arrival could not be precisely determined as in the previous acoustic bat monitoring in 2021. The last recordings containing bat echolocation calls were collected on September 14, 2022, during the bat migration period. These last bat calls were detected at a later date than in 2021 (September 5, 2021) and 2019 (August 27, 2019).

Bat species/species complex activity and diversity in 2022 were higher among the sonograms collected than in 2021. During this present inventory, the *Myotis sp*. were, according to the identification carried out, the most active species complex in the study area. This complex is composed of the little brown bat and the northern long-eared bat, two species listed as endangered in Canada on Schedule 1 of the Species at Risk Act (SARA; L.C. 2002, c 29). Once very common, these two species have suffered an important population decline caused by white-nose syndrome (WNS), with an overall mortality of 98% for the northern long-eared bat and 91% for the little brown bat. The WNS is an infection caused by a fungus (*Pseudogymnoascus destructans*) that attacks North American cave (resident) bats during their hibernation (MFFP, 2022). Between these two species, the little brown bat was, by far, the most active species in the study area. Several times during this inventory, the little brown-eastern red species complex was also detected by the ultrasonic detector. These identifications suggest that there is a possibility that these calls were emitted by an eastern red bat which is a migratory species that is rarely detected at these latitudes.

Global bat activity in the study area reached a peak during the second sampling session of the birth and nursing period (table 4). This high activity near the cabin suggests that non-reproductive individuals were selecting the cabin as a summer roost. It is, however, impossible to estimate with an acoustic inventory the number of individuals which used the cabin this summer. In addition, the higher activity of some species during the first sampling session of the migration period could be linked to the migratory movements of the silver-haired bat and the hoary bat towards the South and the movements of the big brown bat to hibernation sites (natural cave, rock crevices, abandoned mine, other buildings, etc.) located in or around the Whabouchi mine territory.

Table 4. Number of bat passes per hour and bat passes per night by sampling session by station for all identified species and species complexes during the acoustic bat inventory carried out at Spodumène lake on the whabouchi mine territory. SP = bat pass that cannot be identified to species, LASCIN = hoary bat (*Lasiurus cinereus*), LASNOC = silver-haired bat (*Lasionycteris noctivagans*), CINO =hoary-silver-haired complex, MYOLUC = little brown bat (*Myotis lucifugus*), MYOSEP =northern long-eared bat (*Myotis septentrionalis*), MYSP = Myotis sp. complex (*Myotis lucifugus et Myotis septentrionalis*), EPTFUS = big brown bat (*Eptesicus fuscus*), EPNO = big brown-silver-haired complex, LASBOR = eastern red bat (*Lasiurus borealis*), MYBO = little brown-eastern red complex.

Birth and nursing				Migration				Station	Species or species complexes
Number of bat passes /night /session/station		Number of bat passes /hour /session/station		Number of bat passes /night /session/station		Number of bat passes /hour /session/station			
Session 01	Session 02	Session 01	Session 02	Session 03	Session 04	Session 03	Session 04		
0.06	1.52	0.01	0.21	2.48	1.05	0.28	0.10	1	LASCIN
0.00	0.08	0.00	0.01	0.05	0.00	0.01	0.00	1	LASNOC
0.00	0.08	0.00	0.01	0.10	0.00	0.01	0.00	1	CINO
9.49	17.08	1.54	2.32	2.90	0.70	0.33	0.07	1	MYOLUC
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	MYOSEP
0.54	1.24	0.54	0.17	0.67	0.05	0.07	0.00	1	MYSP
0.00	0.08	0.00	0.01	0.19	0.00	0.02	0.00	1	EPTFUS
0.03	0.32	0.00	0.04	0.05	0.00	0.01	0.00	1	EPNO
0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.00	1	LASBOR
0.83	0.20	0.13	0.03	0.29	0.00	0.03	0.00	1	MYBO
10.94	20.60	2.23	2.80	6.76	1.80	0.76	0.18	1	total

4.2 VISUAL BAT COUNTS

Four (4) visual bat counts were planned at the Spodumène lake cabin, two (2) before the juveniles start flying (June 24 and 25, 2022) and two (2) after the juveniles started flying (July 23 and 24, 2022).

During these bat counts, only one (1) bat was observed leaving the cabin on July 24, 2022. Recordings collected with an ultrasonic detector during the bat count suggested that this individual was a *Myotis* sp. The recorded bat passes could not be associated with the little brown bat or the northern long-eared bat specifically. On June 25, 2022, scratching and high pitched noises coming from inside the cabin suggested that an animal was hiding inside, but no observations nor recordings could validate that it was a bat. The visual bat counts results are presented in table 5 below and visual bat count data collected during summer 2022 were added to the Neighbourhood Bat Watch database.

Table 5. Visual bat counts made during the acoustic bat inventory carried out at Spodumène lake on the whabouchi mine territory.

Date	Cloud cover	Wind	Moon phase	Beginning of the bat count			First bat exit	Last bat exit	End of the bat count		Number of opening	Number of bat counted	Obervers names
				Hour	Sunset	Temperature (°C)			Hour	Temperature (°C)			
24-06-22	0 to 10%	calm	last quarter	21:28	21:26	12	NA	NA	22:54	8	1	0	Rose Wapachee
											2	0	Audrey Lauzon
											3	0	Cloé Joly-Bonsant
25-06-22	10 to 50%	calm	last quarter	21:28	21:26	17	NA	NA	23:07	18	1	0	Cloé Joly-Bonsant
											2	0	Rose Wapachee
											3	0	Audrey Lauzon
23-07-22	rainy	calm	New moon	21:07	21:05	15	NA	NA	22:11	13	1	0	Rose Wapachee
											2	0	Audrey Lauzon
											3	0	Romain Pernon
24-07-22	50 to 90%	calm	New moon	21:07	21:04	18	21:53	21:53	22:23	NA	1	0	Rose Wapachee
											2	0	Romain Pernon
											3	1	Audrey Lauzon

4.3 BUILDING INSPECTIONS

Around 100 buildings and structures were inspected on June 25 and July 24, 2022 to document the possible presence of bats on these sites (table 6). No bat guano was observed and/or collected and no noise was heard during these inspections. Buildings presenting characteristics generally selected by bat species using buildings during summer as a roost or during winter as a hibernaculum were also highlighted in the data. Buildings and structures that were highlighted during this field work were:

- Made with materials on which bats can hang (concrete, wood, rocks, etc.);
- Presented a lot of possible entries/exits for bats;
- Presented deep crevices;
- Possessed of a roof and, at best, an attic;
- Seemed abandoned.

Additional inspections, visual bat counts and mobile acoustic bat inventories should be undertaken during the next summer to validate the presence of bats in these selected buildings and structures.

Table 6. Building and structure inspections undertaken in and around the Whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

Point name	Date	Projection	Latitude	Longitude	Observers names	Photos	Possible threat for bats	Site description	Visited building present characteristics that could attract bats
MINE-01	25-06-22	WGS84	51.68988	-75.84003	Audrey Lauzon, Cloé Joly-Bonsant	1	Building destruction or bat exclusion	Pile of big rocks	yes
MINE-02	25-06-22	WGS84	51.68866	-75.83996	Audrey Lauzon, Cloé Joly-Bonsant	2 et 3	Building destruction or bat exclusion	Old building located nearby a lake	yes
MINE-03	25-06-22	WGS84	51.68526	-75.84766	Audrey Lauzon, Cloé Joly-Bonsant	4	Building destruction or bat exclusion	Storage building	yes
MINE-04	25-06-22	WGS84	51.68416	-75.85383	Audrey Lauzon, Cloé Joly-Bonsant	5	Building destruction or bat exclusion	Mine sample storage	no
MINE-05	25-06-22	WGS84	51.68502	-75.84377	Audrey Lauzon, Cloé Joly-Bonsant	6	Building destruction or bat exclusion	Small outcrop presenting a few crevices	yes
MINE-06	25-06-22	WGS84	51.68358	-75.85039	Audrey Lauzon, Cloé Joly-Bonsant	7	Building destruction or bat exclusion	Small outcrop presenting a few crevices	yes
MINE-07	25-06-22	WGS84	51.68296	-75.84902	Audrey Lauzon, Cloé Joly-Bonsant	8	Building destruction or bat exclusion	Small outcrop presenting a few crevices	yes
MINE-08	25-06-22	WGS84	51.68775	-75.83614	Audrey Lauzon, Cloé Joly-Bonsant	9	Building destruction or bat exclusion	Recent building	no
MINE-09	25-06-22	WGS84	51.68772	-75.83229	Audrey Lauzon, Cloé Joly-Bonsant	10	Building destruction or bat exclusion	Recent storage building	no

MINE-10	25-06-22	WGS84	51.68959	-75.83511	Audrey Lauzon, Cloé Joly-Bonsant	11	Building destruction or bat exclusion	Storage building	no
MINE-11	25-06-22	WGS84	51.68894	-75.83565	Audrey Lauzon, Cloé Joly-Bonsant	12	Building destruction or bat exclusion	Storage building	no
MINE-12	25-06-22	WGS84	51.69002	-75.83594	Audrey Lauzon, Cloé Joly-Bonsant	13	Building destruction or bat exclusion	Whabouchi mine office building	no
MINE-13	25-06-22	WGS84	51.68867	-75.835544	Audrey Lauzon, Cloé Joly-Bonsant	14	Building destruction or bat exclusion	Containers and small abandoned buildings	yes
NEMISCAU-01	25-06-22	WGS84	51.70078	-76.04411	Audrey Lauzon, Cloé Joly-Bonsant	15	Building destruction or bat exclusion	20 to 30 mobile houses used by workers (camp Nemiscau) and abandoned mobile houses	yes
CAMP-01	24-07-22	WGS84	51.68784	-75.879052	Audrey Lauzon, Romain Pernon	16	Building destruction or bat exclusion	2 cabins	yes
CAMP-02	24-07-22	WGS84	51.686666	-75.889823	Audrey Lauzon, Romain Pernon	17	Building destruction or bat exclusion	2 cabins	yes
CAMP-03	24-07-22	WGS84	51.68367	-75.89345	Audrey Lauzon, Romain Pernon	18	Building destruction or bat exclusion	1 cabin	yes
CAMP-04	24-07-22	WGS84	51.682031	-75.89669	Audrey Lauzon, Romain Pernon	19	Building destruction or bat exclusion	10 cabins	yes
CAMP-05	24-07-22	WGS84	51.680264	-75.901765	Audrey Lauzon, Romain Pernon	20	Building destruction or bat exclusion	9 cabins	yes

CAMP-06	24-07-22	WGS84	51.688383	-75.889493	Audrey Lauzon, Romain Pernon	21	Building destruction or bat exclusion	23 cabins	yes
CAMP-07	24-07-22	WGS84	51.686074	-75.897888	Audrey Lauzon, Romain Pernon	22	Building destruction or bat exclusion	20 cabins	yes

Photo 1. Buildings and structures inspected on the whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

Photo 2. Buildings and structures inspected on the whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

Photo 3. Buildings inspected on the whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

Photo 4. Buildings inspected on the whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

Photo 5. Buildings inspected around the Whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

Photo 6. Buildings inspected around the Whabouchi mine territory during the acoustic bat inventory carried out at the Spodumène lake.

4.4 OPPORTUNISTIC OBSERVATION

A live banded bat was visually observed outside of the bat count sessions, on July 24, 2022 at 10:00 AM, during a visit of the cabin. This *Myotis* sp. left the cabin by flight towards the jack pine stand. Recordings collected during the visual bat count later that night might have been emitted by the same individual leaving again the cabin at civil twilight to feed.

5. CONCLUSION

The 2022 edition of the long-term bat monitoring at the Spodumène lake cabin aimed, as in previous years, to document the use of the cabin and the bat houses as maternity colonies by bats and to estimate bat activity per species or species complexes nearby the cabin. This year, efforts were also deployed to find other potential essential (hibernaculum) or important (maternity colony) habitats for bat on and around the Whabouchi mine territory.

This annual acoustic bat inventory allowed the recording of 1,062 sonograms clearly attributable to a species or species complex, i.e. 885 during the birth and nursing period and 177 during the migration period. The presence of the genus *Myotis* was detected 834 times, especially during the second session of the birth and nursing period, while the other species or species complexes, like the hoary bat, were less active throughout the summer and mostly detected during the migration period. The visual counts, carried out in June and in July, did allow the observation of one *Myotis* sp.

Around 100 buildings and structures were also inspected to identify those that could be used by bat as maternity colonies, roosts during summer and hibernacula during winter. In order to validate the presence of bat in the targeted buildings and structures, it is recommended that additional inspections, visual bat counts and mobile acoustic bat inventories be undertaken during the next field season.

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APPENDIX 1. BAT INVENTORY DATA COLLECTION FORM — DEPLOYMENT OF THE SAMPLING STATION DURING THE ACOUSTIC BAT INVENTORY CARRIED OUT AT SPODUMÈNE LAKE ON THE WHABOUCHI MINE TERRITORY.

See document Appendix01_BatFinalReport2022_Whabouchi

APPENDIX 2. DATA COLLECTED BY THE METEOROLOGICAL STATION LOCATED AT SPODUMÈNE LAKE AND MOON PHASES WHICH OCCURED DURING THE ACOUSTIC BAT INVENTORY CARRIED OUT ON THE WHABOUCHI MINE TERRITORY.

See document Appendix02_BatFinalReport2022_Whabouchi

APPENDIX 3. FILES (SONOGRAMS) ANALYSES AND METADATA COLLECTED DURING THE ACOUSTIC BAT INVENTORY CARRIED OUT AT SPODUMÈNE LAKE ON THE WHABOUCHI MINE TERRITORY. SP = BAT PASS THAT CANNOT BE IDENTIFIED TO SPECIES, LASCIN = HOARY BAT (LASIURUS CINEREUS), LASNOC = SILVER-HAIRED BAT (LASIONYCTERIS NOCTIVAGANS), CINO =HOARY-SILVER-HAIRED COMPLEX, MYOLUC = LITTLE BROWN BAT (MYOTIS LUCIFUGUS), MYOSEP =NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), MYSP = MYOTIS SP. COMPLEX (MYOTIS LUCIFUGUS ET MYOTIS SEPTENTRIONALIS), EPTFUS = BIG BROWN BAT (EPTESICUS FUSCUS), EPNO = BIG BROWN-SILVER-HAIRED COMPLEX, LASBOR = EASTERN RED BAT (LASIURUS BOREALIS), MYBO = LITTLE BROWN-EASTERN RED COMPLEX.

See document Appendix03_BatFinalReport2022_Whabouchi

APPENDIX 4. DATA (SONOGRAMS) COLLECTED DURING THE ACOUSTICS BAT INVENTORY CARRIED OUT AT THE SPODUMÈNE LAKE ON THE WHABOUCHI MINE TERRITORY.

See files attached to the email.

Appendix 6
Wildlife species of interest and opportunistic wildlife observations (NMX B9)

Whabouchi Mine Environmental and social monitoring program 2022

Wildlife species of interest and opportunistic wildlife observations (NMX B9)

By Nemaska Lithium Inc.

April 2023

Wildlife species of interest and opportunistic wildlife observations

A wildlife observation register was set up at the beginning of construction and includes spot observations of animals on the territory, the location of habitats to be protected, collisions on access roads and other incidents related to wildlife.
During the year 2022, foxes were mainly observed on a few occasions, without coming close to human activities. No incidents were recorded. It should be noted that only a small team of workers remained at the mine site to maintain the assets.

Some mitigation measures for the protection of wildlife are applied:

- Limiting heavy machinery and vehicle traffic to predetermined areas (ex. service roads and work areas)
- Limiting traffic speed to 30 km/h on mine site service roads;
- Ensuring proper waste collection and storage to avoid attracting opportunistic animals to the mine site;
- Educate workers on not feeding animals and not leaving food around to avoid attracting them to the site;
- To make workers aware of the importance of informing the person in charge of the site of any sighting of species with a precarious status.
- Prohibit hunting activities by employees within the limits of the mining lease and user leases;
- Inform and sensitize workers to the presence of the little brown bat maternity colony located near the Route du Nord.

The wildlife comment register is presented on the following pages (french version).

Note: Translation of observed animals:

- Chauve-souris – Bat
- Engoulevent d'Amérique - American Nighthawk
- Loup - Wolf
- Ours – Bear
- Renard – Fox
- Lagopède – Ptarmigan

NMX B9 Espèces fauniques d'intérêt et observations fauniques opportunistes 2022

Date	Heure	Observation par :	Entreprise	Espèce observée	Nombre	Type d'observation (visuelle-pistes)	Qualité de l'observation (certaine, incertaine, modérément certaine)	Endroit	Mortalité	Description détaillée Commentaires/ Interventions
Janvier										
2022-01-03	Jour	Agent Sécurité	NMX	Renard	1	Visuel	Certaine	Guérite	Non	
2022-01-07	Jour	Agent Sécurité	NMX	Renard	1	Visuel	Certaine	Guérite	Non	
2022-01-26	Jour	Agent Sécurité	NMX	Renard	1	Visuel	Certaine	Camp Z	Non	
Février										
2022-02-05	Jour	Agent Sécurité	NMX	Renard	1	Visuel	Certaine	Cafétéria	Non	
2022-02-06	Jour	Agent Sécurité	NMX	Renard	1	Visuel	Certaine	Cafétéria	Non	
Mars										
Aucun										Aucun
Avril										
2022-04-30	Jour	Agent Sécurité	NMX	Renard	1	Visuel	Certaine	Cafétéria	Non	
Mai										
2022-05-02	Jour	Agent Sécurité	Garda	Renard	2	Visuel	Certaine	Cafétéria	Non	
2022-05-09	Jour	Patrick Corriveau	NLI	Grue du Canada	2	Visuel	Certaine	Mine	Non	
2022-05-20	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Cafétéria	Non	
2022-05-24	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Cafétéria	Non	
2022-05-25	Jour	Glen chamberlan	NLI	Grand Héron	2	Visuel	Probable	Tourbière	Non	
2022-05-24	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Cafétéria	Non	
2022-05-28	Jour	Glen chamberlan	NLI	Grand Héron	2	Visuel	Probable	Tourbière	Non	
Juin										
2022-06-01	Jour	Patrick Corriveau	NLI	Ours	?	Visuel	Probable	BC-11N	?	Trace d'ours au sol (crottes)
2022-06-02	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Guérite	Non	
2022-06-09	Jour	Stéphane Corriveau	NLI	Renard	1	Visuel	Certaine	Cafétaria	Non	
2022-06-10	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Guérite	Non	
2022-06-11	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Guérite	Non	
2022-06-16	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Guérite	Non	
2022-06-26	Jour	Agent Sécurité	Garda	Renard	2	Visuel	Certaine	Guérite	Non	
2022-06-26	Jour	Patrick Corriveau	NLI	Grue du Canada	2	Visuel	Certaine	Tourbière	Non	
Juillet										
2022-07-05	Jour	Patrick Corriveau	NLI	Renard	1	Visuel	Certaine	Cafétaria	Non	
2022-07-11	Jour	Patrick Corriveau	NLI	Grue du Canada	2	Visuel	Certaine	Futur halde à résidu	Non	
2022-07-13	Jour	Agent Sécurité	Garda	Ours	1	Visuel	Certaine	Guérite	Non	
2022-07-015	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Guérite	Non	
2022-07-29	Jour	Agent Sécurité	Garda	Renard	1	Visuel	Certaine	Guérite	Non	
Août										
2022-08-01	Jour	Agent Sécurité	Garda	Ours	1	Visuel	Certaine	Guérite	Non	
2022-08-03	Soir	Patrick Corriveau	NLI	Engoulvent	1	Visuel	Certaine	Cafétaria	Non	
2022-08-08	Jour	Stéphane Corriveau	NLI	Grue du Canada	2	Visuel	Certaine	Tourbière	Non	
2022-08-09	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
2022-08-16	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
Septembre										
2022-09-05	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
2022-09-07	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Carrotèque	Non	
2022-09-11	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
2022-09-21	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
Octobre										
2022-10-13	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
Novembre										
2022-11-14	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	Un lièvre dans la bouche
2022-11-15	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
2022-11-17	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
2022-11-18	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
2022-11-19	Jour	Travailleur	NLI	Lagopède	3	Visuel	Certaine	BC-10	Non	
2022-11-28	Jour	Travailleur	NLI	Lagopède	10	Visuel	Certaine	BC-10	Non	Estimation
2022-11-30	Jour	Agent Sécurité	NLI	Renard	1	Visuel	Certaine	Guérite	Non	
Décembre										
2022-12-01	Jour	Travailleur	NLI	Lagopède	10	Visuel	Certaine	BC-10	Non	Estimation
2022-12-03	Jour	Travailleur	NLI	Lagopède	10	Visuel	Certaine	BC-10	Non	Estimation
2022-12-13	Jour	Travailleur	NLI	Renard	1	Visuel	Certaine	BC-10	Non	

Appendix 7
Cree involvement in monitoring (NMX H6)

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Minutes of Meeting
March 9th, 2022 – Videoconference

Were present

Denis Isabel	Member	Nemaska Lithium (NLI)	VP – Sustainable Development
Vincent Perron	Member	Nemaska Lithium (NLI)	Senior Director - Environment and Stakeholder Relations
Kelly Leblanc	Member	Cree Nation Government (CNG)	Environmental and Social Assessment Coordinator
Anderson Jolly	Substitute (Walter Jolly)	Cree Nation of Nemaska (CNN)	Councilor
Anna Krupa	Observer	Cree Nation Government (CNG)	Environmental Analyst
Isaac Iserhoff	Observer	Cree Nation Government (CNG)	Territorial Programs and Natural Resources Advisor
Matthew Tanoush	Observer	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development
Tanya Lamoureux	Observer	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel
Julie Couillard	Guest speaker	Genome Canada – INRS	Researcher – Guest speaker
Marie-Pier Brochu	Guest speaker	Genome Canada - INRS	Researcher – Guest speaker
Patrick Corriveau	Observer	Nemaska Lithium (NLI)	Environment Coordinator
Stéphanie Beauregard	Coordination	Transfert Environnement et Société (TES)	Project Director
Laurianne Francoeur	Coordination	Transfert Environnement et Société (TES)	Analyst

Meeting Agenda

Item #	Description
1	Opening and presentations
2	Adoption of the proposed agenda for the meeting
3	Adoption of the minutes of the previous meeting
4	Presentation of the project eDNA | Non-Destructive Precision Genomics for Environmental Impact Tracking in a Global Climate Change Era
5	Sharing environmental updates and feedback from the field
6	Follow-ups from previous meetings
7	Updates on Environmental and Social Monitoring Program
8	Updates on permitting
9	Annual Environment conference in Nemaska
10	Varia
11	Summary of actions for the next meeting

Item #1. Opening and presentation

All participants introduce themselves and explain their role in the community and the Committee. The Quorum is declared. Stephanie, facilitator for the meeting, opens the Environment Committee (EC).

Item #2. Adoption of the proposed agenda for the meeting

Stephanie presents the agenda and explains the objectives of every point varia is proposed.

Item #3. Adoption of the minutes of the previous meeting

Kelly proposed that the name of the participants be added in the minutes instead of only the initials. This would facilitate the reading. Denis suggests using the first name. Everyone accepts the suggestion.

The minutes of the previous meeting (November 18th, 2021) are adopted. Another presentation tour is made as new participants have joined the committee since the last meeting.

Item #4. Presentation of the Project eDNA

Marie-Pier starts by introducing herself. She is a Ph.D. student in water studies. She begins her presentation by making the territorial acknowledgement and thanks the communities that welcome the non-indigenous members and observers present at this meeting.

Marie-Pier explains that the scope of the research is to complete animal surveys with environmental DNA (eDNA). Natural organisms shed genetic material into their environment. The study will analyze different spots in the studied area, combining eDNA data with indigenous knowledge. The process will provide ecological data that will be useful for the monitoring done by Nemaska Lithium.

EDNA methods are time and cost-effective. Moreover, the procedure is accurate, non-invasive and has high detection rates. The process is to collect a sample of water and to filter it. The filter retains the DNA molecules, and PCR amplification is done to indicate the presence or absence of specific species.

Marie-Pier adds that the first list of species identified by the research team is the following:

- Lake surgeon
- Woodland Caribou
- Rusty Blackbird
- Wolverine
- Little brown bat
- Bank swallow
- Least weasel
- Southern bog lemming
- Book trout
- American water shrew

The sites of interest are the Wichishkw-Uubauquushduuk, near the Éléonore mining site, and Chisesaakahikan-et-de-la-Rivière- Broadback, near the Whabouchi mining site. The research team is

open to suggestions to adapt the list of species and the sites of interest. For now, only the absence and presence would be under study. The abondance will not be studied.

Anderson asks if the locations of the testing are finals. Marie-Pier answers that the process is still at an early stage. Communications with the Tallyman and other people of interest in the community should take place in the following days.

Kelly mentions to Matthew that he should be contacted to organize a meeting with land users. If possible, the sampling will be done this summer.

Matthew express concerns about Lake number 2, displayed on the map presented. At this time, the land users have no guarantee that the lake will be protected in the future as the traffic increases because of the opening of the mine. Vincent assures that the concern is heard. Water monitoring is made to ensure that the trout and their habitats are safe. Nemaska Lithium has multi-year data. The initial condition is known well and will be controlled.

If the community is interested in the project, Nemaska Lithium is ready to participate and accommodate the researchers' team.

Stéphanie thanks Kelly for suggesting this item to the agenda. She also thanks Marie-Pier and Julie for their presentation. Stéphanie suggests that Kelly makes a follow-up at the next meeting. It is agreed.

Items #5. Environmental updates and feedback from the field

Stéphanie invites all members to share updates and feedback from the field. It could be a situation, an observation, or a concern. Anything related to the environment is appropriate and important to share. This point will be recurrent at every meeting as a chance to discuss anything brought up by any members of the committee.

Vincent takes this opportunity to follow up on an issue raised at the last meeting. It was brought by Mr. James Wapachee that a temporary metal bridge previously used by surveyors is stuck in Spodumene Lake discharge, close to Mountain Lake. Vincent shows an aerial photo where the bridge was probably located. It will be confirmed in the Spring when a site visit will be possible. Once the location is confirmed, an action plan will be prepared to remove the bridge.

Patrick presents a sewage water spill incident of about 100 liters. The grey waters, the ice and the gravel were removed. It happened 3 weeks ago because of an equipment failure and the use of an inappropriate equipment. Patrick mentions that Urgence environment was informed, and an agent of the Ministry can come and monitor the situation. At the same time, the damage is listed and reported.

It is questioned what the best way is to inform the Committee of any incidents. Anderson mentions that he would like to receive an email when there is an incident or emergency. He also recommends that the Cultural and Environment departments be informed as well. Kelly agrees with the suggestion.

Patrick mentions that it will not be possible to send an email every time a spill happens, especially during the construction phase, because any spill of even 1 liter must be reported and the committee will receive a ton of emails. Stéphanie proposed that a table with all the incidents information should be presented

during the Committee meeting. Kelly agrees with the suggestion but adds that the moderate to high impacts level incidents should be communicated as soon as they happen.

It is agreed that the EC will be informed of every spill for now, since they are not frequent. Denis will develop a table to present the course of action based on the level of the incident and the potential impact. It will be presented at the next meeting.

No other points were brought.

Item #6. Follow-ups from the previous meeting

Stéphanie presents the follow-ups from previous meetings.

Suggestions and actions	Updates and status
Determine quorum conditions (WIC)	☑ Quorum has been determined to be a representative from the community and a representative from Nemaska Lithium. This will be integrated into a charter for the committee (to be presented at the next meeting)
Clarify and define the limits of the confidentiality clause for the EC (WIC)	☑ Reported to the next meeting Denis adds that the scope of the EC is to disclose information to the community. Therefore, the clause for the EC should be different and this point will be discussed at the next WIC meeting. It will be a point in the next meeting.
Locate the metal bridge and prepare an action plan to remove it (VP and DI)	☑ During this meeting
Contact CNN Communications Officer (VP)	☑ Denis spoke with the CNN Communication Officer to discuss communication strategies. It was agreed that there will be 2 interviews at the local radio
Proceed with the invitation of the young observers (TL and VP)	☑ Reported to the next meeting but it is recalled that everyone can be an observer, it is therefore mentioned that everyone can invite interested people.

Item #7. Updates on Environmental and Social Monitoring Program

Vincent shares that the results of the Environment and Social Monitoring Program are not ready because of a cyberattack against the laboratory analyzing the results in December. The results should be ready by May for the next meeting. Afterward, it will be possible to start the 2022 monitoring. The delays were accepted by the COMEX since the events were out of the company's control. It must be noted that Quebec's government asks that every delay be accepted since every organization is affected.

No one objects.

Kelly asks if the results will be presented to the EC before they are presented to the regulators. She is wondering about the exact role of the Committee in this matter. Denis answers that the report will be presented to the Committee first.

It is suggested that the 2022 plan be based on feedbacks from Nemaska's consultants.

Matthew asks what the plans are to fill the position of the Community Relation Officer since Wayne Rabbitskin left in January and he used to do the translation during this meeting. Denis mentions that the company must wait three months after a resignation, before opening the position. The position will therefore be open in April. A selection committee including WIC members will be implemented. The applicant will need to live in the community.

Vincent continues his presentation by introducing the bats' observation data. An old camp is used as a bat maternity on the left side of the spodumene lake. A visual count and an acoustic monitoring were made from May 11th to September 30th, 2021, to record the bats' community in the area. A final report will be made, but the highlights of this survey are the following:

- 2 endangered species under federal law were spotted, the Northern Long-Eared Bat and the Little Brown Bat. They were the most identify species during mating season.
- Other bats have been spotted during the migration period, such as the Big Brown Bat, the Silver-Haired Bat, and the Hoary Bat.
- The 2021 results are similar to the 2019 survey
- No observation was made on June 22nd, July 28th, and July 29th. The next survey will give more information about this situation to know if it is a recurrent situation or not.

Kelly asks if the results will be different when the mine will be operating with the noise and movements in the area. Vincent explains that it is the reason why the survey is done now: to have background data to facilitate future observations and analysis.

No other questions are asked.

Item #8. Updates on permitting

The Mining Site Rehabilitation plan (MERN) and the authorization for the operation of the Sewage treatment system (MARABEX) were issued. There are no other permits in process right now. The next step will be the IAAC request.

The Mining Site Rehabilitation plan needs to be reviewed every 5 years. In 2021, Nemaska Lithium sent its plan and received a series of questions. The costs of the rehabilitation plan were recalculated, and the plan was approved. Thus, the plan is valid for the next 5 years.

The authorization for the MABAREX system was also just received. The demand was made before the implementation of the EC. It needed to be adjusted because a lower water level usage. The system will not be activated now because of the low temperatures, but Patrick confirms that it will be operating in the Spring.

If a permit is needed between two EC meetings, the members will receive an information email before the filling. Comments, questions, and feedback may be done at the same time.

No one objects.

Kelly asks about the recalculation of the closure plan to know the reason for higher cost estimation. Denis explains that it was not correctly estimated in the past. Now that we have more details about the project, the costs are better reflecting the reality.

Tanya asks if a presentation of the new plan will be made. Denis agrees to present the plan at the next meeting and adds that an independent consultant can be brought to evaluate the closure plan and budget if the community wants to.

Then, Vincent presents the IAAC process. A lot of modifications were made since the ESIA were filed in 2014. The main changes were the following:

- The exploitation of 3 barrow pits
- Final effluent relocation (from Mountain Lake to Nemiscau River)
- Worker camp relocation
- Optimization of the mining activities
- Modification of the sewage water treatment

For every change, a consultant will complete an impact assessment of these changes on valued components under federal jurisdiction with the same methodology that was used in the ESIA. The results will confirm if the Environmental Assessment Decision Statement from the IAAC is still adequate. The IAAC said that the assessment process proposed by Nemaska Lithium is beyond what they expected. When the results will be ready, they will be presented to the EC.

Kelly asks if the valued components identified by the IAAC are from the Act of 2012 (LCEE 2012) or the Act of 2019. Vincent answers that the valued components are from the LCEE 2012. He adds that the EC will be involved in the revision of the report.

No other comments are made.

Item #9. Annual Environment Conference in Nemaska

The organization of an Annual Environment Conference in Nemaska was suggested in the last EC meeting for Nemaska Lithium to make a presentation to the community. The presentation could include information about the company, the process, the projects, and the Whabouchi Agreement.

Denis suggests that presentations use plain language to facilitate the understanding by the whole community and to organize the event in the afternoon and evening to accommodate more community members. The proposal is well received by the members. All the participants agree that it is important to be careful in the planning due to the COVID situation that can change quickly. Moreover, the member of the community needs to be comfortable with the fact that events will cause gathering and the coming of people living outside of Nemaska. Denis suggests planning the event next Fall, outside the Goose Break, to give the time to organize it well.

Kelly suggests the creation of a sub-committee to develop the concept of the event. The sub-committee would present a suggestion of format, topics, etc. at the next meeting. Kelly mentions that CNG could present about different topics, including experts on climate change and other topics. Every member agrees with the suggestion.

Tanya asks if the budget for this event will be a joint effort. Denis ensures that the cost will be taken care of by Nemaska Lithium.

Stéphanie specifies that TES has experience in creating open houses presentations with poster presentations. She mentions that the poster presentation facilitates the discussions between the community members and the experts. Tanya adds that this format is used at local General Assembly. This suggestion will be considered by the sub-committee.

A note will be sent to receive name suggestions for the creation of the sub-committee and a member will present at the next meeting.

Item #10. Varia

No varia added.

Item #11 Summary of actions for the next meeting

Visit of the mine in the Spring, if possible	Nemaska Lithium
Presentation of the communication plan developed by the WIC to help the EC members to identify topics to be shared with the community	To be confirmed
Get an update on the disclosure of the information statement	Denis
Present a proposal of a course of action based on the level of impact of a spill or other environmental events	Denis
Present the new closure plan	Denis
Create a sub-committee to work on organizing an EC symposium/conference programming	TES

Annex 1 – iTrackDNA Genome Québec

iTrackDNA

Non-Destructive Precision Genomics for Environmental Impact Tracking in a Global Climate Change Era

GenomeQuébec

GenomeCanada

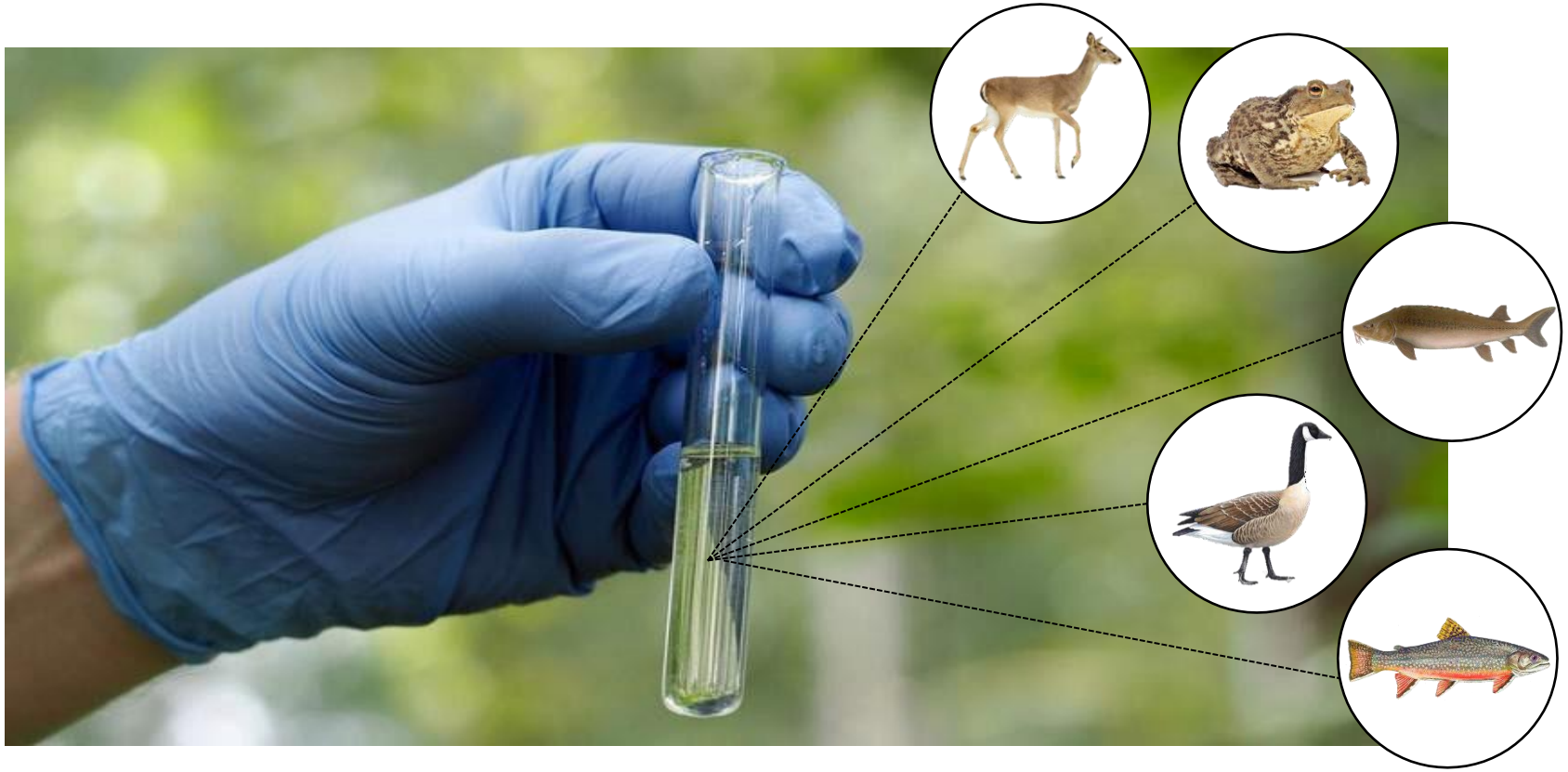
Genome BritishColumbia

Territorial Acknowledgement

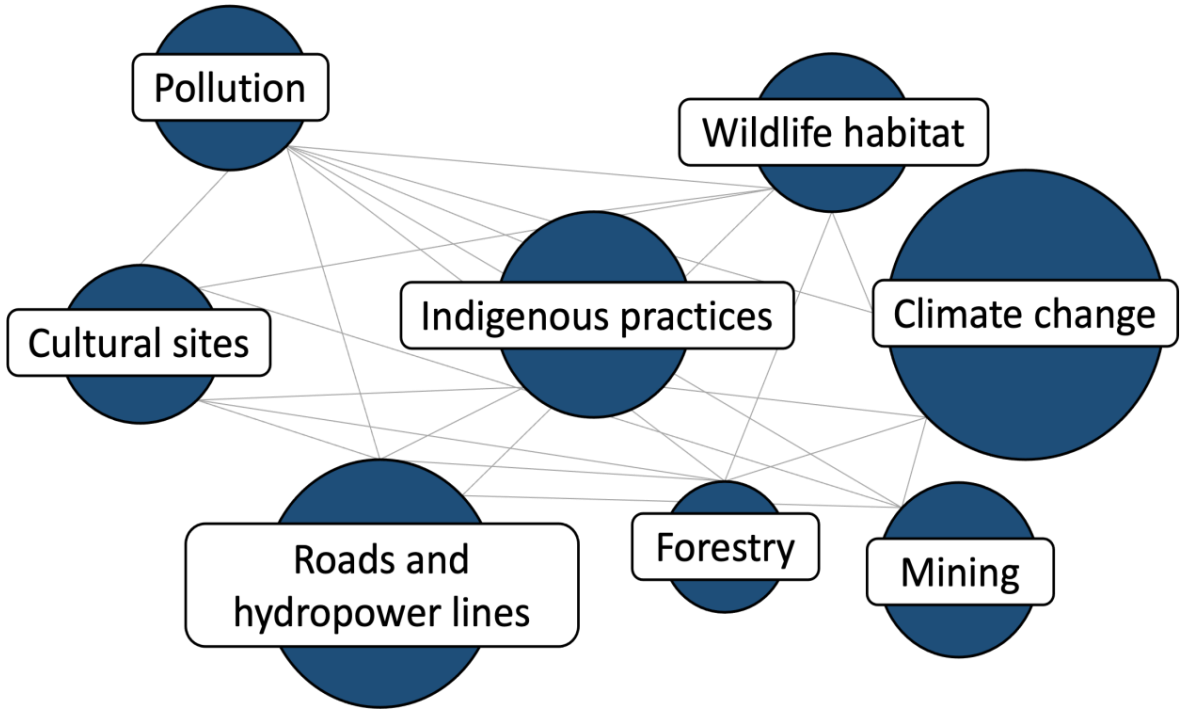
Image: courtesy of the Cree Nation Government

Revolutionizing animal surveys with environmental DNA (eDNA)

eDNA: genetic material shed from organisms into their environment



eDNA & Indigenous Knowledge



Challenges for detecting cryptic and at-risk species

Sharp-tailed snake

Matthias et al. 2021

Conventional sampling methods can be costly, time-consuming, invasive and have low detection rates

Slackwater darter

Janosik and Johnston 2015

Revolutionizing animal surveys with environmental DNA (eDNA)

Sharp-tailed snake

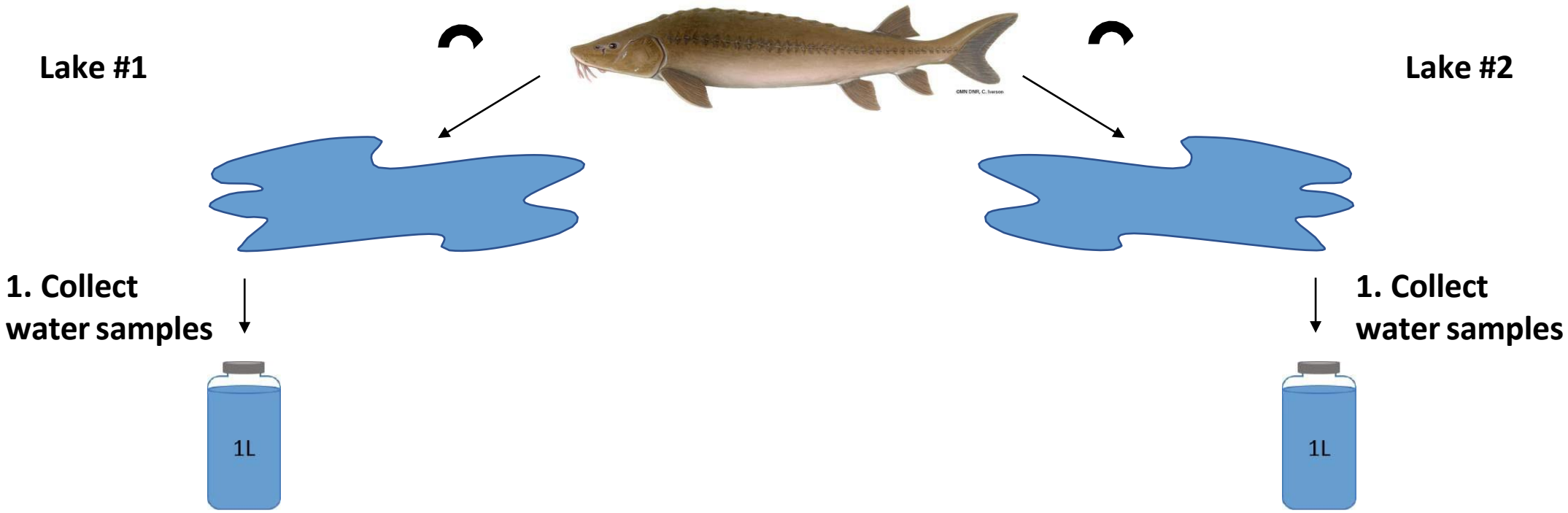
Matthias et al. 2021

eDNA methods are time and cost-effective, accurate, non-invasive and have high detection rates

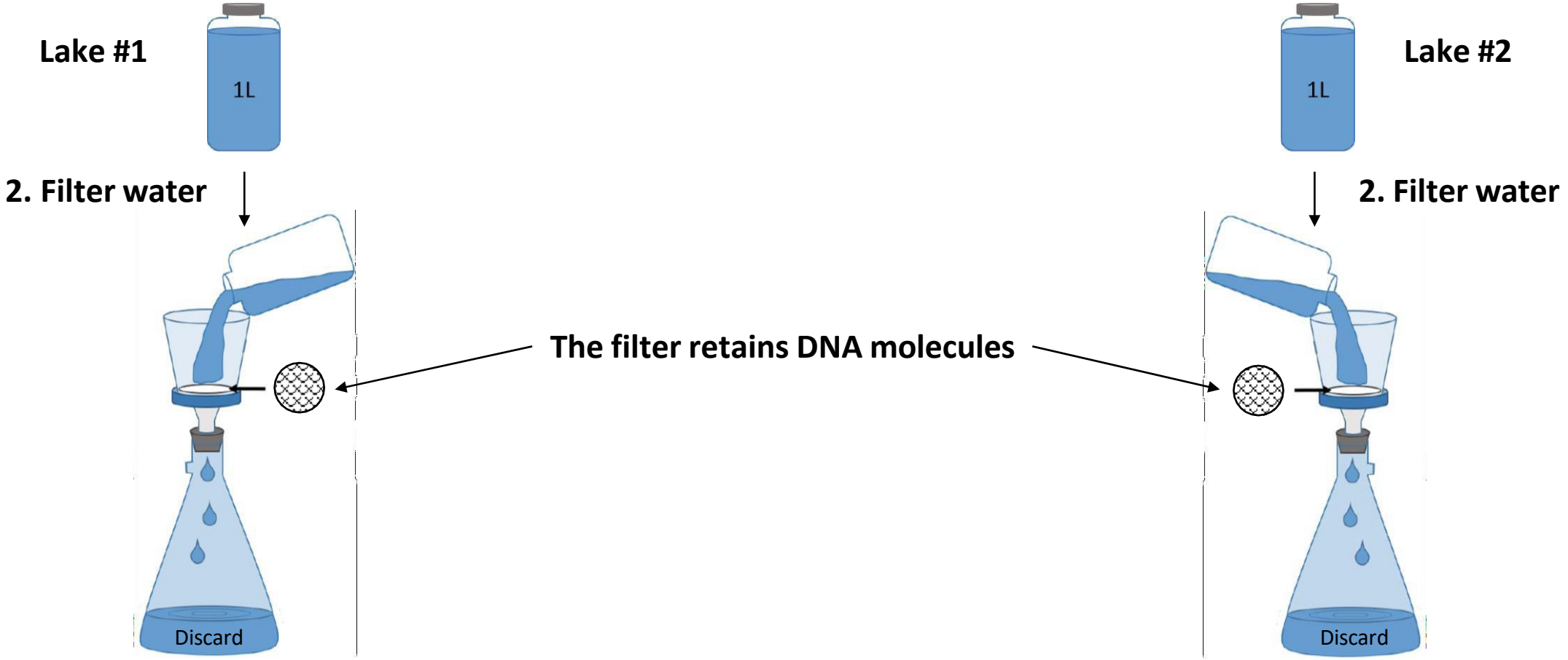
Slackwater darter

Janosik and Johnston 2015

How does it work?



How does it work?



How does it work?

iTrackDNA

Design and validation of 100 eDNA kits

↓

40 species are chosen by First Nations

ABITIBIWINNI

BLUEBERRY RIVER FIRST NATIONS

The 10 species of interest for the CNG

Special Status in Canada

Special Status in Quebec

Lake sturgeon

Woodland (Boreal) Caribou

Rusty blackbird

Wolverine

Little brown bat

Bank swallow

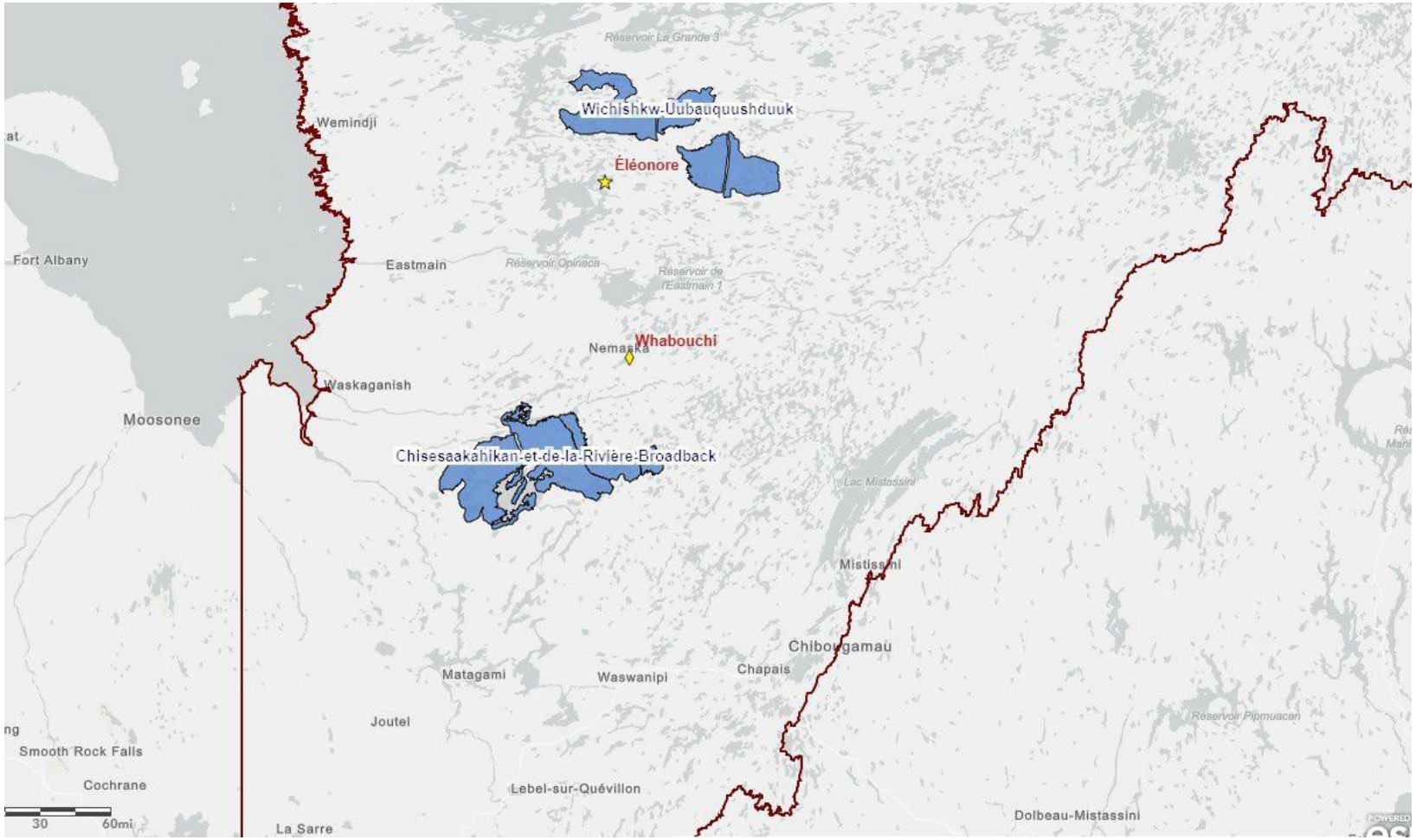
Least weasel

Southern bog lemming

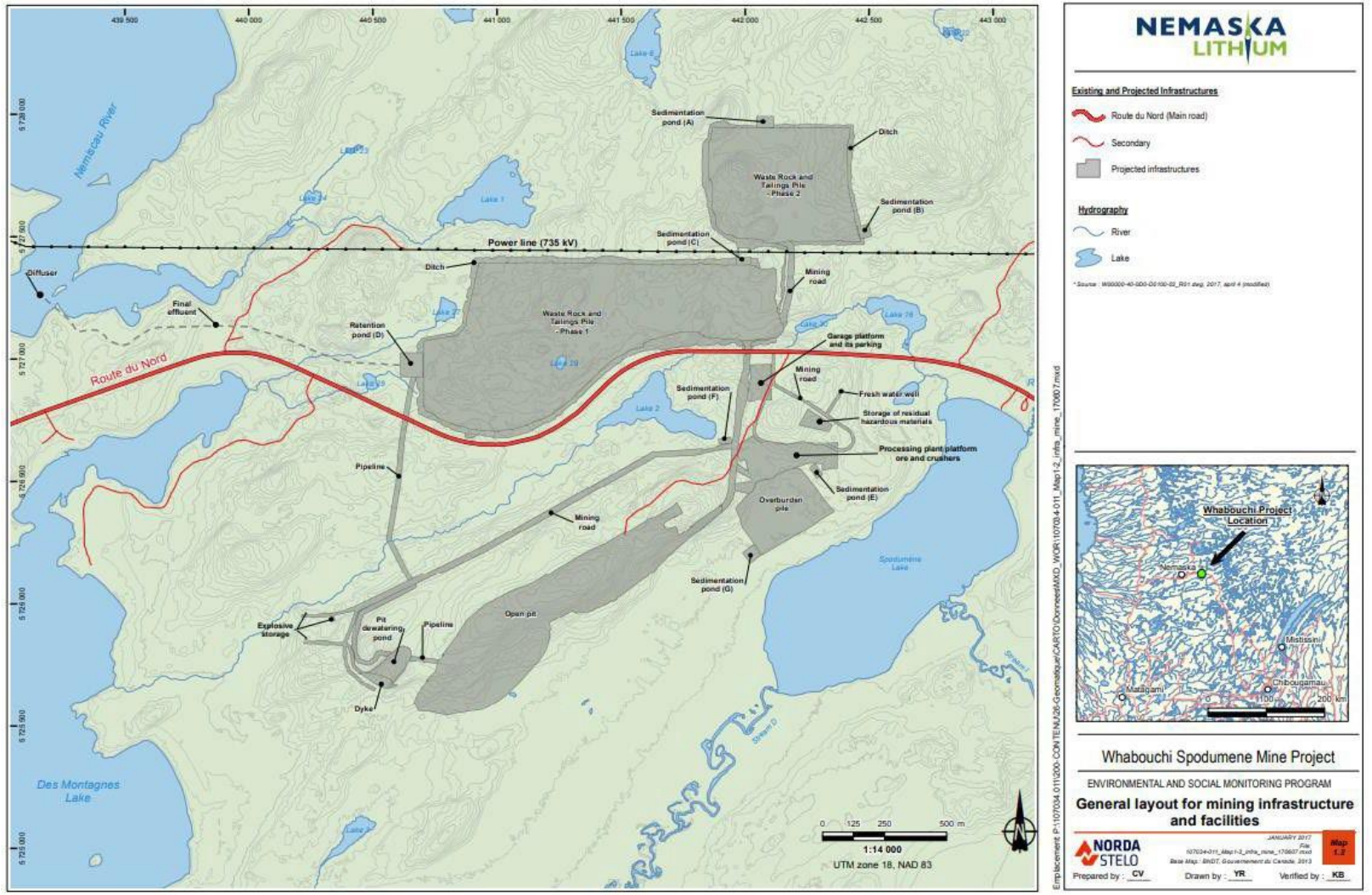
Brook trout

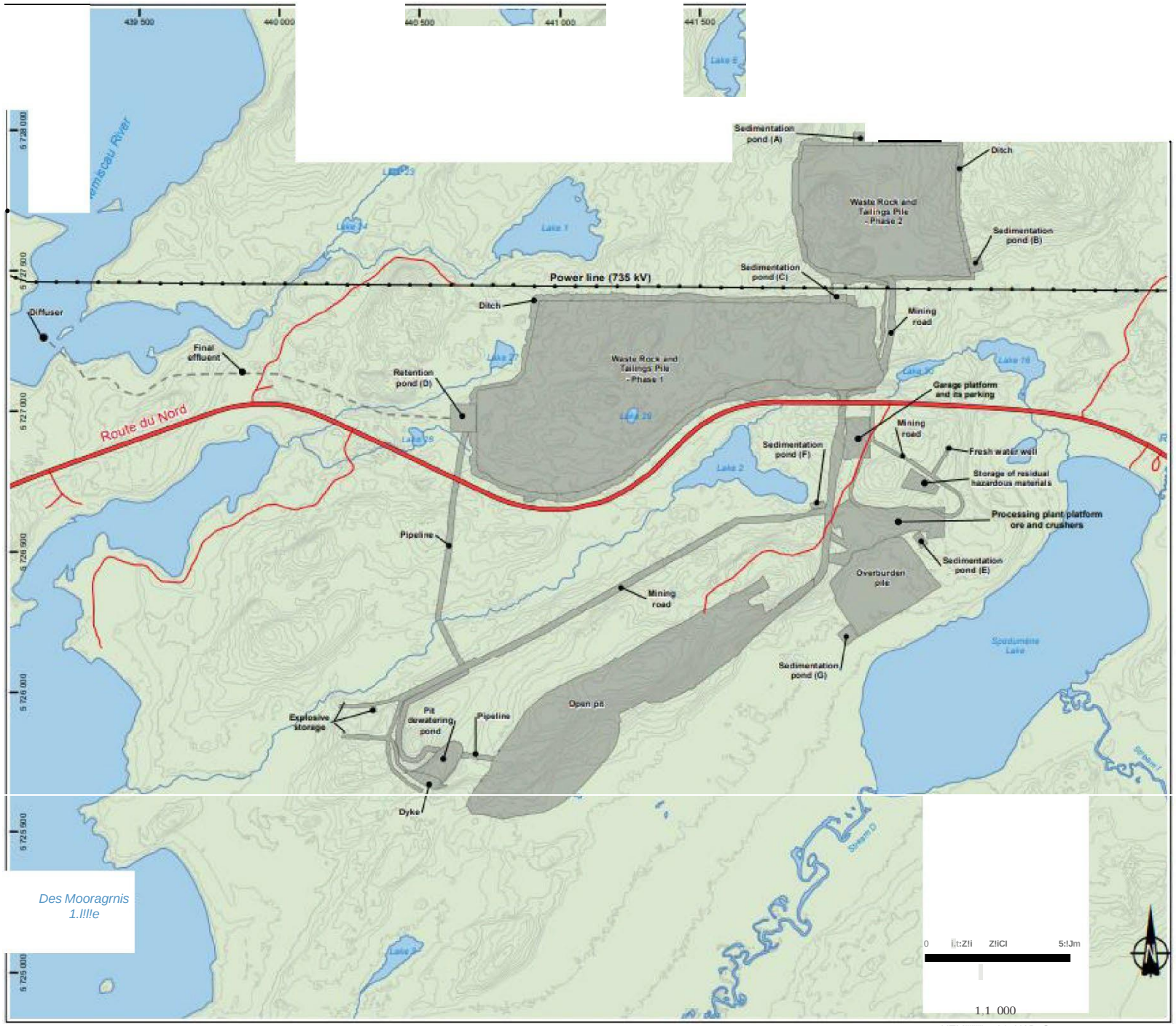
American water shrew

Sites of interest for the CNG



Whabouchi Mine





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NEMASKA IH UM

Existing and Projected Infrastructures

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Secondary

Projected infrastructures

Hydrography

River

Lake

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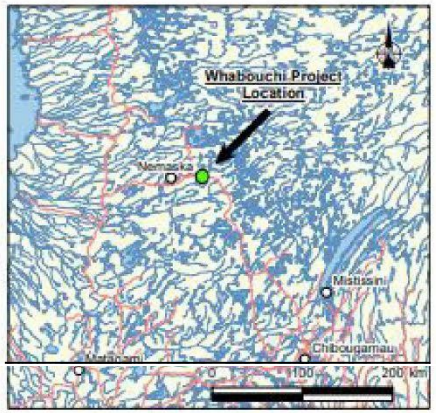

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iTrackDNA

Project leaders | Co-investigators | Collaborators

iTrackDNA

For more information on the iTrackDNA project, you can visit our website: www.itrackdna.ca

QUESTIONS?

Annex 2 – Nemaska's presentation

Environment Committee Meeting

New Nemaska Lithium project

Virtual Meeting

March 9th 2022

THE PALLINGHURST GROUP

Responsibly Extracted Resources Since 2006

New Nemaska

1. Opening and Presentations

EC members & alternates

Cree members

Walter Jolly, Council Member of the Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member of the Cree Nation of Nemaska
Kelly Leblanc, Environmental and Social Assessment Coord., Cree Nation Government

Nemaska Lithium members

Denis Isabel, Vice President - Sustainable Development
Vincent Perron, Senior Director - Environment and Stakeholder Relations

New Nemaska

2. Adoption of the proposed agenda

Meeting Agenda

1. Opening and presentations
2. Adoption of the proposed agenda for the meeting
3. Adoption of the minutes of the previous meeting
4. Presentation of the Project eDNA
5. Sharing environmental updates and feedback from the field
6. Follow-ups from previous meeting
7. Updates on Environmental and Social Monitoring Program
8. Updates on permitting
9. Annual environment conference in Nemaska
10. Varia
11. Summary of actions for the next meeting

3. Adoption of the minutes of the previous meeting

- November 18th 2021

New Nemaska

4. Presentation of the project eDNA

Gest speaker – a researcher on the project team

ITRACKDNA: NON-DESTRUCTIVE PRECISION GENOMICS FOR ENVIRONMENTAL IMPACT TRACKING IN A GLOBAL CLIMATE CHANGE ERA | GENOME CANADA

- Context of the project
- iTrack DNA technology
- Discussions

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

5. Environmental updates and feedback from the field

Follow-up – Metal bridge in Spodumene Lake's discharge

- Issue raised by Mr. James Wapachee during the last EC meeting:
  - Temporary metal bridge used by surveyors stuck in Spodumene Lake discharge, close to Mountain Lake (see red circle below)
  - Next steps: field validation & action plan (Spring)

Spill – Sewage Water (Mabarex System)

- **Date:** Feb. 14, 2022 at 1 PM
- **Spill volume:** 100 L
- **Surface impacted:** 6 m^2
- **Causes:**
  - Inapropriate equipment to perform task
  - Equipment failure
- **Environmental cleaning measures:**
  - Contaminated ice recovery
  - Contaminated ice returned to tank
- **Reporting:**
  - MELCC (Feb. 14, 2022 at 2:30 PM)
  - Whabouchi bi-monthly coordination call (Feb. 17, 2022)
- **Corrective measure:**
  - Always use a vacuum truck to empty sewage tank

Spill of sewage water on the ground

6. Follow-ups from previous meetings

ACTIONS AND FOLLOW UPS FROM PREVIOUS MEETINGS

Suggestions and actions	Updates and status
Determine quorum conditions (WIC)	☑ Quorum has been determined to be a representative from the community and a representative from Nemaska Lithium. This will be integrated in a charter for the committee (to be presented at the next meeting)
Clarify and define the limits of the confidentiality clause for the EC (WIC)	☑ Reported to the next meeting
Locate the metal bridge and prepare an action plan to remove it (VP and DI)	☑ During this meeting
Contact CNN Communications Officer (VP)	☑ DI contacted CNN Communications Officer to discuss communication strategy
Proceed with the invitation of young observer (TL and VP)	☑ Reported to the next meeting

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

New Nemaska

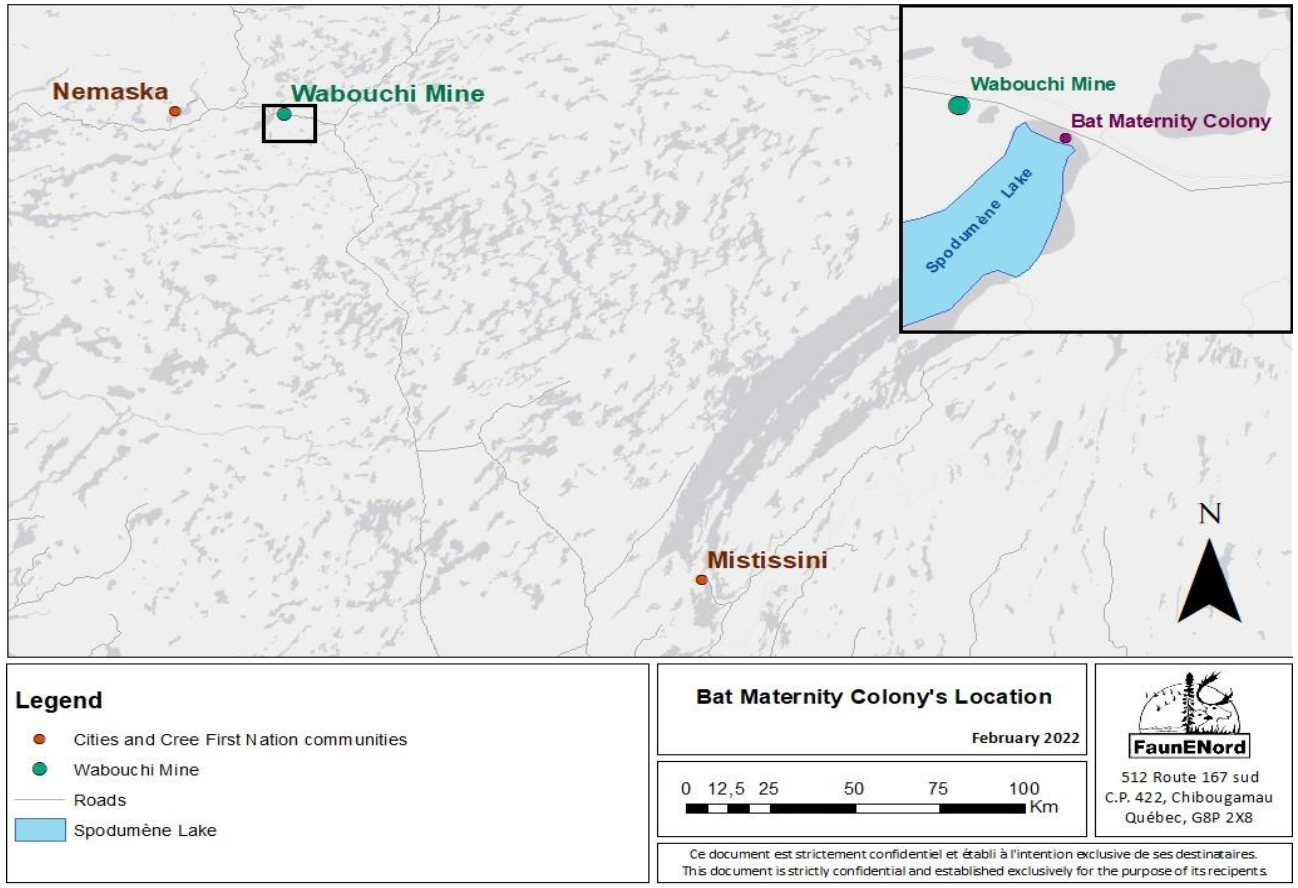
7. Updates on Environmental and Social Monitoring Program

UPDATES ON ENVIRONMENTAL AND SOCIAL MONITORING PROGRAM

- Production of 2021 environmental and social monitoring report is delayed due to Veritas Laboratory shut down (cyber attack in December)
- Only 2021 bat survey report available
- Presentation of 2021 monitoring results and 2022 monitoring program postponed to the next EC meeting

2021 Bat Survey - Highlights

Monitoring Activity (2021)	Brief Description	Period
NMX - B8 - Bats (FaunENord & MFFP)	• Maternity located to the North of Spodumene Lake (old camp) • Visual count and acoustic monitoring	May 11 to Sept. 30, 2022



Visual count

Ultrasound detector

2021 Bat Survey - Highlights

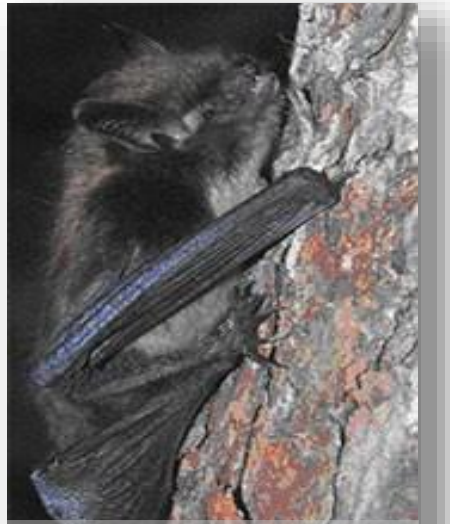
- The two endangered species under federal law - **Northern long-eared bat** and **Little brown bat** – **were the most detected** in the study area, especially during the reproduction season (May-July)

- Other bat species were detected during the migration season (August-September):
  - Big Brown Bat
  - Hoary bat (specie at risk – Quebec)
  - Silver-haired bat (specie at risk – Quebec)

- 2021 results similar to those of 2019

- No observation during visual surveys (June 22, July 28 and 29)

Northern long-eared bat


Little brown bat

QUESTIONS ?

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

New Nemaska

8. Updates on permitting

SUMMARY OF PERMIT APPLICATIONS

RECENT PERMITS ISSUED

- MINING SITE REHABILITATION PLAN (MERN)
- AUTORIZATION FOR THE OPERATION OF SEWAGE TREATMENT SYSTEM - MABAREX (MELCC)

PERMITS IN PROCESS

- NO NEW PERMIT APPLICATIONS SINCE THE LAST MEETING

NEXT STEPS

- IAAC REQUEST

IAAC Request

Environmental Assessment Decision Statement (IAAC, 2015)

- Several conditions to mitigate environmental and social impacts of the project (based on NLI's 2013 impact assessment)

Several modifications were made to the project since 2015. These modifications were presented to EC and IAAC.

- Exploitation of 3 borrow pits
- Final effluent relocation (from Mountain Lake to Nemiscau River)
- Worker camp relocation
- Optimization of mining activities
- Modification of sewage water treatment

IACC asked NLI to **determine the effects of these changes on the valued components under the federal competency to validate that the 2015 Environmental Assessment Decision Statement is still adequate**.

For every modification made to the project since 2015, our consultant GCM will prepare an **impact assessment** using the same methodolgy to that of 2013 NLI's impact statement:

Impact of modifications on valued components

↓

Identification of additional mitigation / monitoring measures (if necessary)

↓

Evaluation of residual effects (extent, intensity, duration, reversibility/irreversibility)

↓

Modification of 2015 Environmental Assessment Decision Statement (if necessary)

QUESTIONS ?

THE PALLINGHURST GROUP
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New Nemaska

New Nemaska

9. Annual environment conference in Nemaska

QUESTIONS ?

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Responsibly Extracted Resources Since 2006

New Nemaska

10. Varia

11. Summary of actions for the next meeting

SUMMARY OF ACTIONS AND SUGGESTIONS FOR THE NEXT MEETING

- Proposal to visit the mine in the Spring, if possible (VP)
- Present the communication plan from the WIC to help EC members identify topics to be shared with the community (WIC)
- Get an update on the disclosure of information statement (WIC)
- Present a proposal of a course of action based on the level of impact of a spill or other environmental events
- Present the new closure plan
- Create a sub-committee to work on organizing an EC symposium / conference: program

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
June 2nd, 2022 – Videoconference

Were present

Walter Jolly	Cree Nation of Nemaska (CNN)	Councillor	Member
Kelly Leblanc	Cree Nation Government (CNG)	Environmental and Social Assessment Coordinator	Member
Denis Isabel	Nemaska Lithium (NLI)	VP – Sustainable Development	Member
Vincent Perron	Nemaska Lithium (NLI)	Senior Director – Environment and Stakeholder Relations	Member
Isaac Iserhoff	Cree Nation Government (CNG)	Territorial Programs and Natural Resources Advisor	Observer
Anna Krupa	Cree Nation Government (CNG)	Environmental Analyst	Observer
Matthew Tanoush	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development	Observer
Tanya Lamoureux	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel	Observer
Patrick Corriveau	Nemaska Lithium (NLI)	Environment Coordinator	Observer
Isaac Gauthier	Transfert Environnement et Société (TES)	Facilitator - Project Director	-
Laurianne Francoeur	Transfert Environnement et Société (TES)	Note Taker - Analyst	-

Meeting Agenda

Item #	Description
1	Opening and introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field
6	Presentation of the environmental and social monitoring program highlights for 2021
7	Presentation of the 2022 environmental and social monitoring program
8	Updates on permitting
9	Varia
10	Summary of actions for the next meeting

Item #1. Opening and introduction

Isaac G. opens the Environmental Committee (EC) meeting by welcoming the members and asking if anyone wants to start by saying a prayer. Walter offers to say a prayer in Cree.

Isaac G. suggests holding a round table to introduce everyone. He starts by explaining his role in the committee and his approach to facilitation. The members introduce themselves in the following order: Laurianne, Vincent, Denis, Anna, Kelly, Tanya, Patrick, Isaac I., Walter, and Matthew.

Isaac G. asks if there are news to share from the community. Tanya mentions that the COVID restrictions have been removed in the Nemaska community. Denis asks if the decision was taken by the CNN or the CNG, to which Tanya answers that the decision was Nemaska's, since it functions as a municipality. Patrick mentions that it is good news for the mine and will make it easier to manage the workers and the different activities. Matthew mentions that everyone is welcome in Nemaska, to visit the community.

Kelly adds that the CNG is currently working with the Impact Assessment Agency of Canada (IAAC). They are collaborating on a future mine on Mistissini territory, in the same ways that were done for the Rose Project and the James Bay Project.

No other points are added.

Item #2. Approval of the proposed meeting agenda

Isaac G. presents the proposed meeting agenda. He proposes to discuss the topics raised by Kelly in a previous email in the varia section. Vincent suggests adding a break between items 6 and 7. It is agreed by everyone. The agenda is accepted by the participants.

Kelly points out that some documents that were shared by NLI could not be opened. Vincent will look at the situation to resolve the problem and make sure that Kelly has access to the documents.

Item #3. Approval of the previous meeting minutes

Isaac G. asks the participants if they approve the previous meeting's minutes. Kelly mentions that a small correction is needed. At Item 6 of the last meeting report, the federal Impact Assessment is referred to as of 2015, however, it should read 2019. Laurianne will correct the document and send it to the members.

Item #4. Follow-ups from previous meetings

To begin the item, Vincent starts by explaining the EC's charter and its role for the committee members. The charter is a document that details the committee's operating rules (mandate, objectives, etc.), per the Chinuchi Agreement. For the moment, the charter is not official since it must be approved by the Whabouchi Implementation Committee (WIC).

Vincent adds that NLI is working on a reporting process for spills at the mine site. The objective is to enforce good practices and to report every incident to the EC during the current care & maintenance phase. The specific process will be presented at the next meeting.

The closure plan will also be presented at the next meeting since today's meeting is very dense. While the document needs to be in French, as requested by the Ministry of Energy and Natural

Resources, NLI is thinking of translating the plan into English or creating an English summary for the community. NLI wants to make sure that the document is accessible to everyone since it is an important topic for the community. Kelly asks if it will be possible to have a PowerPoint presentation on the topic of the closure plan, to summarize the information. Vincent agrees with the proposal. Denis adds that the closure plan is quite short in comparison to the overall project description. He assures the members that NLI will ensure that the document is well summarized and accessible.

Vincent adds that NLI is currently holding internal discussions on an eventual environmental symposium or conference. While there is no specific progress on the topic, NLI's executive has approved the organization of such an event. Vincent also suggests that a potential date be discussed during the varia, to make sure that it doesn't overlap during a holiday or community event. The proposal is agreed by the participants.

Vincent also mentions that NLI met with Laurence Gagnon, the person in charge of communications for the Nemaska community. NLI's upcoming communication plan was discussed at the meeting to ensure the company can meet its objective of reaching out to the community. The plan will be first presented to the WIC, after which it will be presented to the EC.

No comments are added.

Item #5. Sharing environmental updates and feedback from the field

Vincent starts by addressing the reddish-tinted water that was first observed last spring in the BC-10 pond. He explains that it is likely caused by run-off water from the overburden storage area into the basin. Since then, tests have demonstrated that the water is non-toxic, with the last test held during the previous summer. During these tests, levels of iron below government regulations were detected. This spring, the BC-10 basin's water again had an orange-red tint.

Vincent explains that tests will be completed over the summer to confirm the source of the coloured tint, in collaboration with the Université du Québec en Abitibi-Témiscamingue (UQAT). The current leading theory is that micro particles of iron in the water are oxidizing in the basin. Tests will be made on the water and on the soil to ensure that the issue is fully assessed.

Kelly asks when did the problem start, as she has no recollection of being informed about a coloured tint in the water. Denis answers that it began early last summer, in 2021. He explains that the water would become coloured over the summer. Over time, the iron likely sinks to the bottom of the pond and the water's colour returns to normal. He adds that the colour changes only when water leaks from the overburden pile, and tiny particles of iron stay in the water and oxidize. Patrick adds that Spodumene Lake was also tested to see if there was a presence of iron in the water. The results have been negative.

Matthew asks if this phenomenon will happen every year. Denis answers that if the leading hypothesis is correct, yes it will happen annually but will fade out over time.

Matthew asks what is the pond's depth. Denis answers that it is about two (2) meters.

Kelly asks if the water flows directly into Spodumene Lake. Denis answers that the water goes through a small sedimentation pond before flowing into the peatland and then into the lake. Kelly further asks if Spodumene Lake could also become orange, to which Denis answers that such an issue has not occurred. Tests were conducted in Spodumene Lake and the water was clear. NLI does not think that it will be an issue but will continue its investigation.

Kelly also asks if the coloured water could cause issues for the local land users and the surrounding camps. Patrick answers that no camp is located around the pond's location. The only nearby landmark located in the area is the bat nursery and Patrick mentions that the bats will not be affected. He adds that a nearby beach is sometimes used by the community, but no camps are around.

Walter and Matthew mention that they would like to visit the site and see for themselves the water basin. Patrick agrees to show them the site. Vincent mentions that Laurianne can help facilitate the meeting's organization.

No comments are added.

Item #6. Presentation of the environmental and social monitoring program highlights for 2021

Before beginning this section, Vincent shares info about his background in biology and specifically fish habitat restoration. He emphasizes that while he is not an expert, he does have significant experience.

He mentions that the data collected through environmental and social monitoring provides a good baseline for the region as the data collection was done over the last three (3) years. NLI was thus able to assess different variations in the results.

The monitoring objectives were the following:

- Document baseline conditions before extensive mining operations;
- Document baseline condition variations from one year to the next;
- Involve the Cree Nation of Nemaska in monitoring activities at the mine site;
- Document wildlife species of interest near the mine site.

Surface Water

Vincent continues by presenting the surface water testing results. He mentions that the official results will be available by the end of June.

He states that the surface water is very important since this is the fish's main habitat. He presents the fourteen (14) sampling stations, which were tested last September. All the stations present normal conditions.

The consultant providing the sampling work is Nemaska Resources. The highlights of their observations are the following:

- The surface water can support fish habitat, life, and recreational activities;
- The water pH is slightly acidic, with a relatively high level of aluminum and iron.

Therefore, the surface water is of good quality and can support aquatic life.

Kelly asks if the results are the same as in previous years. Vincent answers that no variations were noted. He also mentions that all this information will be in the report.

Matthew asks if the local spring areas (for drinkable water) were identified by the tallyman and the land users. Vincent answers that he needs to double-check the information. He also wants to specify that NLI would like to meet with Mr. Wapachee to have a better understanding of the land and build a relationship with the tallyman.

Matthew also mentions that he is concerned of the mine's impact on local water. Vincent answers

that the monitoring is not only to test fish habitat quality, but also general water quality. He commits to further explaining the importance of the testing in an upcoming site visit. Walter adds that he is very familiar with the area and mentions that there are local camps used by the community. He also mentions that many community members come to the area to source drinkable water during the year. Isaac G. mentions that the location of drinkable water sources for the community is very important information for the project. Walter agrees to show the locations during a site visit.

Vincent adds that surface water monitoring is ongoing to ensure water quality for both fish conservation and consumption.

Kelly adds that maps of the area were made earlier in the project, which should be of use to NLI. Vincent answers that he will look for the maps and study them prior to his site visit.

Groundwater Testing

Vincent continues his presentation by addressing the topic of groundwater testing. He mentions that twenty (20) observation wells were built between June and September 2021. Two wells broke during the testing period, which will need to be fixed prior to the next sampling period.

Vincent presents the highlights identified by Nemaska Resources and recalls that the report will also be made available in June:

- Groundwater on and around the site is exceeding water consumption criteria for several elements: aluminum, arsenic, manganese, lead, and zinc;
- Groundwater is also exceeding resurgence criteria to surface water for cadmium, copper, mercury, lead, and zinc;
- These metals are naturally present in the area's groundwater, as they are associated with certain rock types. They thus do not originate from NLI's activities at the site.

Vincent further mentions that the results are comparable to the previous years.

Matthew asks where will NLI source its water for the project and its workers. Denis answers that a well will be built onsite, between the concentrator and Spodumene Lake. He adds that the well will be connected to the concentrator. Matthew also asks if the water will be taken from an aquifer, which Denis confirms.

Kelly asks if NLI assesses the groundwater level, in addition to its quality. Denis answers that both will be eventually monitored. While the pit is small, it will get larger and will be deeper than Spodumene Lake. For this reason, groundwater monitoring will continue, to ensure that the water levels are not affected, whether at the surface or underground.

Kelly also asks if four (4) wells will be enough and if it will be necessary to add other wells in the future. Denis answers that NLI already installed more wells than required by the government, he however mentions that new wells may be needed. While none are currently planned, they can be added, if needed. Patrick adds that new wells will likely be added later in the project, as they can naturally close.

Matthew asks if NLI plans on doing samplings during the spring runoff. Denis answers that it is not necessary to test groundwater that frequently. Compared to surface water, the groundwater moves slowly. If NLI tests too often, they will always test the same source.

Hydrology

Vincent shares the hydrology testing results. He begins by presenting the sampling area and objectives:

- Evaluate the influence of the Whabouchi Water Management Plan on water levels in lakes, flows and creeks;
- Determine if the project affects water levels above the walleye spawning area in D Creek and brook trout spawning areas in C and G Creeks.

Two main results were observed:

- Water levels above the spawning sites are sufficient to provide spawning for Walleye and Brook Trout;
- Water levels have never dropped below the acceptable thresholds for fish spawning since monitoring began in 2018. This implies that conditions are permissive for spawning under natural conditions.

Vincent mentions again that the final report will be available by the end of June.

Heavy Metals in Fish Flesh

Vincent follows-up with the monitoring of heavy metals in fish flesh. This sampling is done every three (3) years on three different species: walleye, northern pike and lake whitefish. While the final report is not yet available, Nemaska Resources was able to provide the following highlights to NLI, to be shared to the EC:

<u>Mercury:</u>

- Similar results to those reported in the 2018 survey;
- Mercury levels in 2018 and 2021 sampled in the three target species are generally lower than or similar to the average levels measured in the same species in Quebec;
- Average mercury levels measured in the flesh samples of walleye and northern pike are higher than the Health Canada guideline of 0.5 mg/kg for fish protein and the quality criterion of 0.3 mg/kg of the MELCC. However, this situation is not unusual in Quebec.

<u>Arsenic and Lead:</u>

- Arsenic and lead levels sampled in the three target species are lower than the Health Canada guideline for fish protein.

Regarding the results, Vincent mentions that the presence of heavy metals in fish flesh seems stable. He mentions again that the final report will be available by the end of June.

Hydrological, Ecological and Habitat Functions of Spodumene Lake

Vincent presents the testing results of the hydrological, ecological and habitat functions of Spodumene Lake Peatland. The objectives are to:

- Document the evolution of peatland and pond areas using aerial drone imagery;
- Determine the evolution of flora over the years;
- Measure pH and conductivity of peatland pools to provide baseline data for future inventories.

This survey is undergone every year as part of NLI project authorization. The 2021 highlights are the following:

- Reduction of peatland area in 2021 compared to 2018 and 2019;
- A slight reduction of the pond areas in 2021 compared to previous years (- 1.7%);
- Larger changes in the frequency and abundance of some species were observed over time. It is believed that the observed changes represent a natural evolution of the microhabitat in the Spodumene Lake peatland rather than a consequence of anthropogenic activities at the mine site.

Bat Survey

Vincent presents the results of the bat survey. He mentions that the methodology used to assess the presence of bats is the same as the one presented at the last EC meeting. Overall, the data since last year is stable:

- The two endangered species under federal law - the northern long-eared bat and little brown bat – were the most detected in the study area, especially during the reproduction season (May-July);
- Other bat species were detected during the migration season (August-September): big brown bat, hoary bat (specie at risk – Quebec) and silver-haired bat (specie at risk – Quebec).

Wildlife Monitoring

Vincent continues with the wildlife monitoring. He explains that the objective here is to assess if the mining site will attract local animals. The observation results are the following:

- 49 foxes;
- 2 common nighthawks;
- 1 bear;
- 2 wolves;
- Several bats.

Vincent mentions that in some cases, the same individual animal may have been seen more than once.

Kelly asks who oversaw the observations. Patrick answers that his colleagues and himself were in charge. The day shift team saw the bear and the wolves, while the night shift saw the foxes, the common nighthawks, and the bats. NLI asks its teams to note every spotted animal, but only specific species are documented, as the ones above.

Kelly continues by asking if visual monitoring is the only method used, to which Patrick answers that no cameras are used onsite, therefore only visual monitoring is used. He adds that the 2022 Environmental and Social Monitoring Program will be presented later in the meeting.

Cree Nation Involvement in Monitoring

Finally, Vincent presents how the Cree Nation was involved in NLI's monitoring activities. He points out the participation of Mr. Jacob Weistchee and Mr. Dominic Swallow in several monitoring activities, including:

- Surface water testing;
- Hydrology;
- Groundwater testing;

- Heavy Metals in fish flesh and liver;
- Flora inventory – peatland;

He also adds that some the equipment used for monitoring was rented by Mr. James Wapachee.

A short break is taken by the members before Item 7.

Item #7. Presentation of the 2022 Environmental and Social Monitoring Program

Vincent begins by presenting the monitoring campaign calendar. The dates are available in the appendix of this document.

He explains that the main monitoring activities will occur from May to September 2022. Some activities such as wildlife monitoring will be ongoing, throughout the year. He also adds that the ultrasound equipment for the bat survey is already installed. The monitoring began on May 10th.

He further explains that two (2) Cree members are helping NLI with the monitoring program: Wayne Jolly, from Nemaska and Richard House from Chisasibi.

To allow time to discuss the questions shared by Kelly before the meeting, the topics of the email are addressed. The first question concerned the possibility for a joint Institut national de la recherche scientifique (INRS) sampling team to make some initial water testing in the area. Vincent answers that NLI agrees, and he mentions that he will provide Laurianne with the contact information of the person in charge, Mrs. Nadine Marois, so the joint sampling can be coordinated.

Kelly mentions that she also discussed the proposal with Newmont's team, and they will also participate in the sampling. She mentions that this type of work will benefit all the parties involved. Vincent agrees and mentions that he will be available next week to plan the sampling. Matthew also mentions that he will be able to participate.

Regarding her second question, Kelly also asks, on behalf of the tallyman Mr. James Wapachee, what are NLI's plans for wildlife inventorying. Vincent summarizes the activities (please refer to the presentation for the full details), with the following important highlights:

- June 21-24: bird monitoring;
- July 1-7: amphibian & reptile monitoring;
- August 15-26: vole and mice monitoring;
- August 23-28: flora monitoring.

He adds that at the request of the Impact Assessment Agency of Canada (IAAC), NLI must minimize its activities' impacts on local goose and must stop its work during the Goose Break. Concerning wildlife inventorying, none are planned for big mammals. To that point, NLI will look to rely on information provided by Mr. James Wapachee, to better understand local land use and wildlife behaviour. He believes that the existing monitoring plans in addition to local knowledge will provide the most accurate results.

Kelly suggests that all NLI's information regarding wildlife monitoring be gathered in a single document for ease of understanding and communication. She mentions that she will meet with Mr. James Wapachee and his wife to share the information provided by Vincent and follow up with them. The proposal is agreed.

No other comments are made.

Tanya mentions that since one member left the meeting, the meeting's quorum is no longer met. By consensus, the members decide to continue the meeting, but to report any decision-making.

Item #8. Updates on permitting and regulatory affairs

Vincent mentions that no new permits were issued or are in process of being issued to NLI. The only report filed to a regulator is the following:

- GCM (Global Climate Model) report – report submitted to the IAAC request to provide clarifications regarding the impact of changes made to the Whabouchi project on valued components under federal jurisdiction (May 31, 2022).

Vincent mentions that the EC members will be able to comment the report by June 20th. It will be made available on the Teams Group for review and comments.

Vincent details the next permitting and regulatory steps:

- Filing an annual report to the COMEX (2021 results of the Environmental and Social Monitoring Program) - Due Date: June 30th, 2022;
- Filing an annual report with the IAAC - Due date: June 30th, 2022;
- Whabouchi Project Permitting Plan - under preparation.

Item #9. Varia

The varia previously proposed were discussed earlier in the meeting. No other comments or varia are added.

Item #10. Summary of actions

Apply a minor correction to the previous meeting's minutes (year change)	TES
Prepare an English and summarized version of the Closure Plan	NLI
Present the summarized version of the Closure Plan to the community	NLI
Send a survey to determine an environmental symposium/conference date	TES
Share the contact information of Walter Jolly and Matthew Tanoush with Patrick Corriveau and assist in organizing their visit to the mine site	TES
Present Nemaska Lithium's Communication Plan	NLI
Share Nemaska Resource's contact information with the CNG	NLI and TES
Share the final report of Nemaska Resources	NLI
Prepare and share a summarized report of undertaken, planned and ongoing wildlife monitoring/inventories for the Whabouchi Project	NLI

The participants briefly discuss the ongoing bat problem occurring in the Nemaska community. Matthew invites Vincent to take part, virtually, in a meeting that will occur on June 3rd, in the morning.

The next EC meeting is planned for September. Walter suggests doing it before the CNN general assembly, which will be held from September 13th to September 15th. Tanya mentions that it will be interesting to hold the meeting in person or a hybrid mode since Kelly and Vincent will be in the community. Vincent agrees.

The meeting ends.

Appendix – Nemaska Lithium's Presentation

Environmental Committee Meeting

New Nemaska Lithium project

June 2nd 2022

THE PALLINGHURST GROUP
Responsibly Extracted Resources Since 2006

New Nemaska

1. Opening and Introduction

EC Members & Alternates

Cree Members

Walter Jolly, Council Member - Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member - Cree Nation of Nemaska
Kelly Leblanc, Environmental and Social Assessment Coord., Cree Nation Government

Nemaska Lithium Members

Denis Isabel, Vice President - Sustainable Development
Vincent Perron, Senior Director - Environment and Stakeholder Relations

Transfert Environnement et Société

Isaac Gauthier, Facilitator
Laurianne Francoeur, Minute-Taker

2. Proposed Meeting Agenda Approval

Meeting Agenda

1. Opening and Introduction
2. **Decision:** Proposed Meeting Agenda Approval
3. **Decision:** Proposed Meeting Minutes Approval
4. **Discussion:** Previous Meeting Follow Ups
5. **Discussion:** Sharing environmental updates and feedback from the field
6. **Discussion:** Highlights of the 2021 Environmental and Social Monitoring Program
7. **Discussion:** Presentation of the 2022 Environmental and Social Monitoring Program
8. **Discussion**: Update on permitting and regulatory affairs
   - – Answer to IAAC request
   - – Annual environmental and social monitoring report – 2021 (COMEX)
   - – Annual report – 2021 (IAAC)
9. Varia
10. Summary of actions for the next meeting

3. Proposed Meeting Minutes Approval

- March 9th, 2022 – Meeting Minutes

4. Previous Meeting Follow Ups

Previous Meeting Follow Ups

Suggestions and actions	Updates and status
Update on the disclosure statement	☑The charter has yet to be approved by the WIC.
Proposal of a course of action based on the level of impact of a spill or other environmental events	☑ In progress
Present the new Closure Plan	Postponed to the next meeting
Create a sub-committee to work on organizing an EC symposium/conference programming	☑ In progress
Presentation of the communication plan developed by the WIC to help EC members to identify topics to be shared with the community	Postponed to the next meeting

5. Sharing environmental updates and feedback from the field

Coloured Water in BC-10 Basin

- Water colour appears to have returned to normal
- Additional water quality testing will be conducted this summer

BC-10 (September 2019)

BC-10 (May 2021)*

BC-10 (May 2022)

* The reddish water tested in 2021 showed no toxicity

6. Highlights of the 2021 Environmental and Social Monitoring Program

Environmental and Social Monitoring Program (2021)

- Over the last three (3) years, the monitoring program was performed during Nemaska's care & maintenance activities. **The data collected during this period represents good baseline conditions.**

- Objectives:

  - Document baseline conditions prior to extensive mining operations;

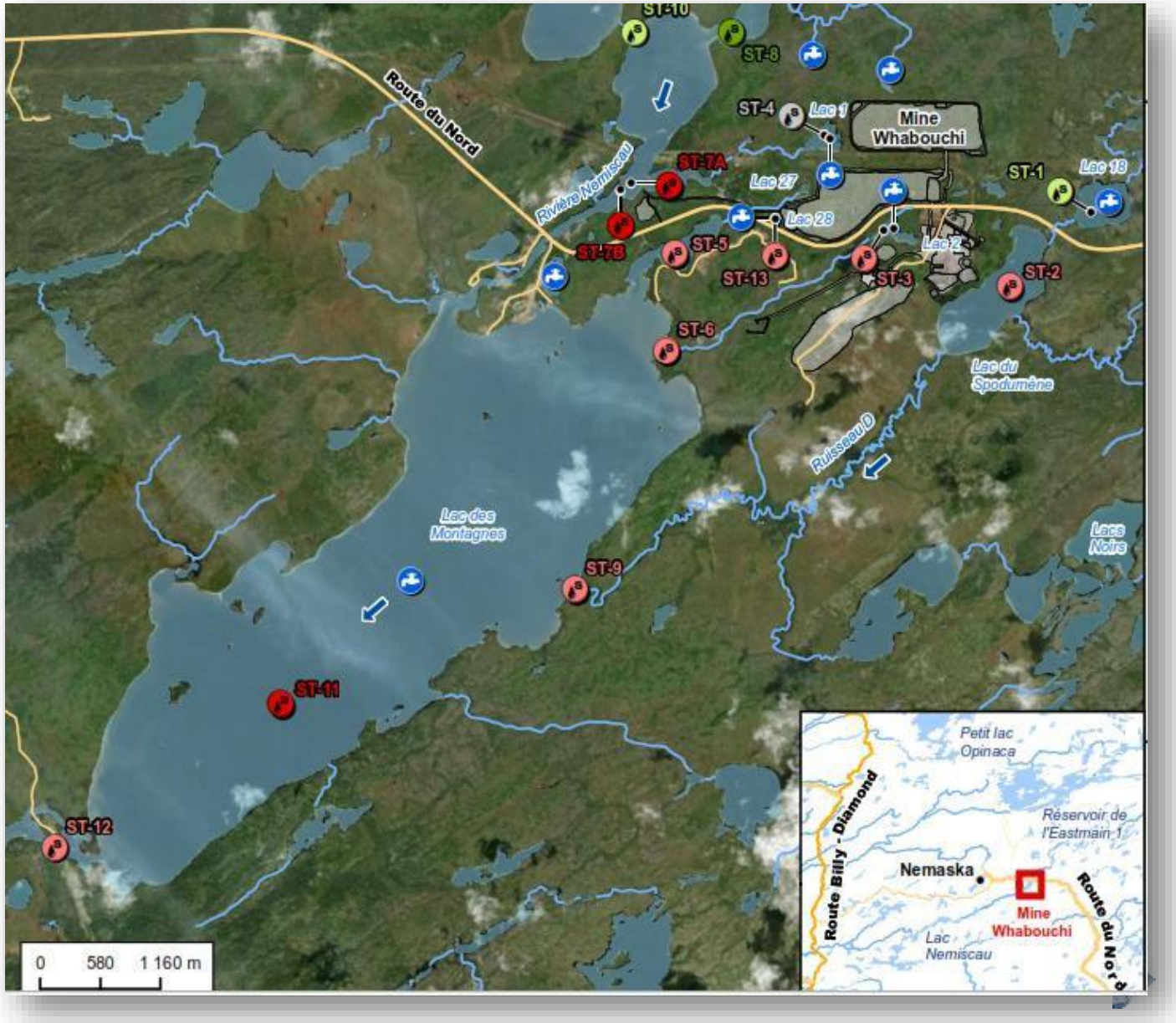
  - Document baseline condition variations from one year to the next;

  - Involve the Cree Nation of Nemaska in monitoring activities at the mine site;

  - Document wildlife species of interest near the mine site.

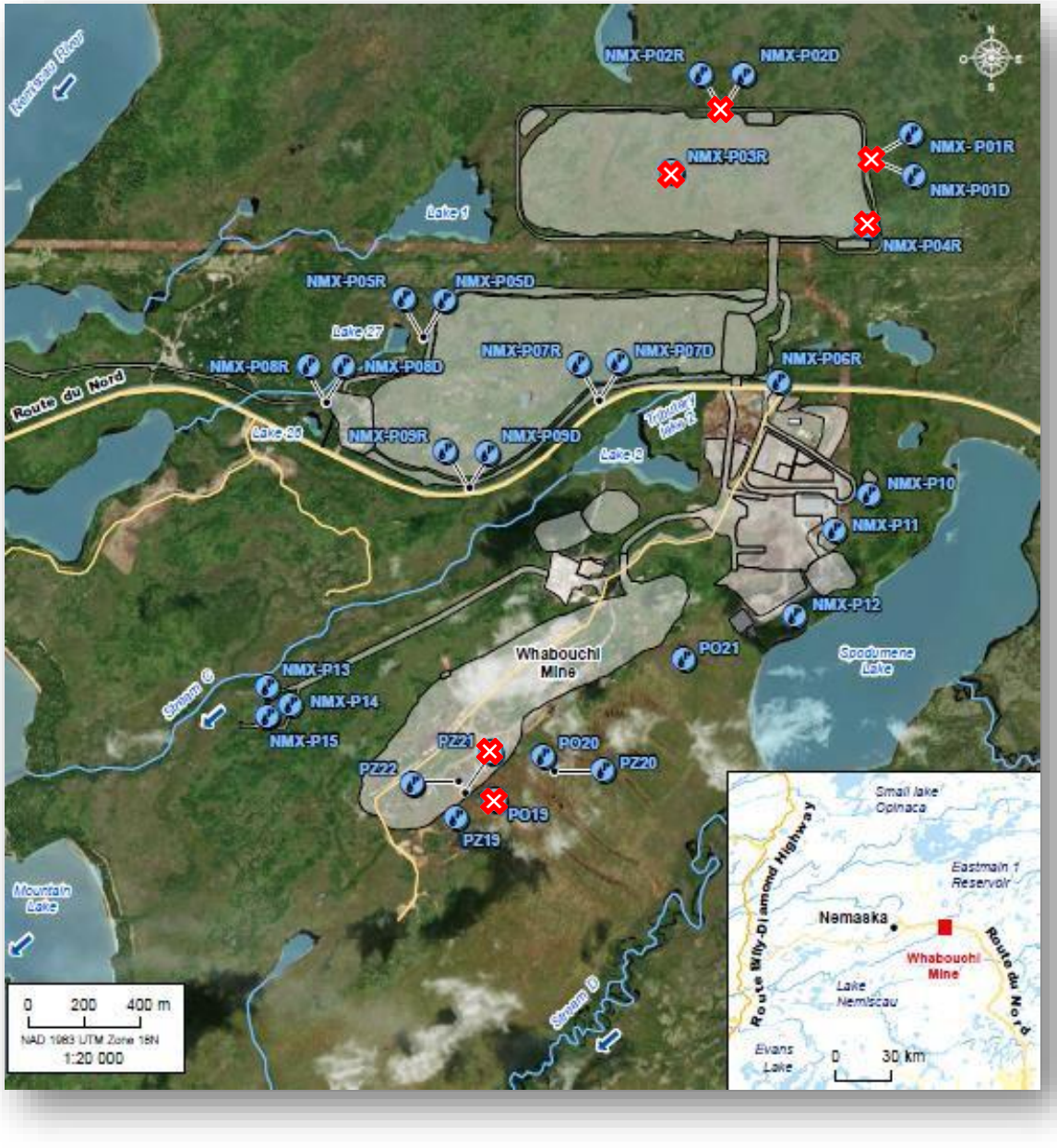
Surface Water Testing (2021)

- Water testing conducted at **14 sampling stations** between Sept. 8 -14, 2021
- Highlights:
  - Lake and rive water at and around the Whabouchi mining site:
    - ✓ **Ensures the protection of aquatic life and recreational activities**;
    - ✓ Shows **few exceedances** of provincial and federal water quality criteria (pH, aluminum and iron);
    - ✓ Is **slightly acidic** with relatively **high aluminum** concentrations at sampling stations in the reference and exposure areas. **These are typical conditions in the Canadian Shield**.



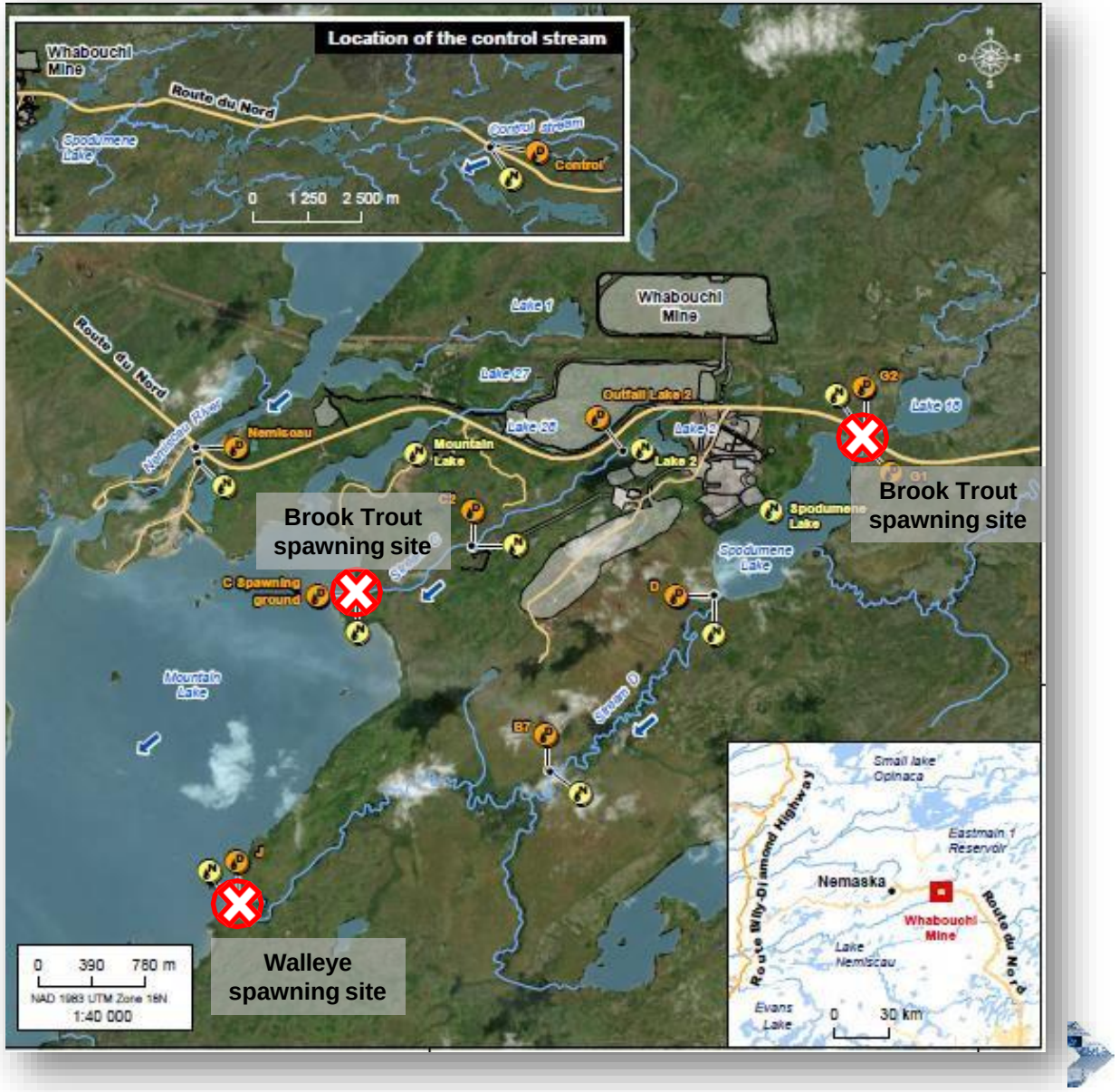
Groundwater Testing (2021)

- Two groundwater testing campaigns were conducted in **20 observations wells** in June and Sept. 2021
- Highlights:
  - Groundwater on and around the mine site **is exceeding water consumption criteria** for several elements:
    - ✓ Aluminum, arsenic, manganese, lead, and zinc;
  - Groundwater **is also exceeding resurgence criteria to surface water** for:
    - ✓ Cadmium, copper, mercury, lead, and zinc;
  - These **metals are naturally present** in groundwater associated with certain rock types. **They do not come from the activities carried out on the site.**



Hydrology Testing (2021)

- Objectives:
  - Evaluate the influence of the Whabouchi water management plan on water levels in lakes, and on flows and levels in creeks;
  - Determine if the project affects water levels above the walleye spawning area in D Creek and brook trout spawning areas in C and G Creeks.
- Highlights:
  - Year-to-year variations in hydrology conditions were observed between 2018 and 2021;
  - **Water levels above the spawning sites are sufficient to provide spawning for Walleye and Brook Trout;**
  - **Water levels have never dropped below the acceptable threshold for fish spawning since the beginning of the monitoring in 2018.** This implies that conditions are permissive for spawning under natural conditions.



Monitoring of Heavy Metals in Fish Flesh (2021)

- One field campaign was conducted in September 2021
- Number of fish caught by target fish :

Catch Site	Walleye	Northern Pike	Lake Whitefish
Spodumene Lake	69	20	23
Mountain Lake	58	15	37
Nemiscau River	72	9	19

Monitoring of Heavy Metals in Fish Flesh (2021)

- The following highlights were provided by Nemaska Ressources. English version of the final report should be available by the end of June.

  - **Mercury**

    ✓ Similar results than those from 2018 Survey;

    ✓ Mercury levels analyzed in 2018 and 2021 in the flesh samples of the three target species are generally lower than or similar to the average levels measured in these species in Quebec;

    ✓ Average mercury levels measured in the flesh samples of Walleye and Northern Pike are higher than the Health Canada guideline of 0.5 mg/kg for fish protein and the quality criterion of 0.3 mg/kg of the MELCC. However, this situation is not unusual in Quebec.

  - **Arsenic and Lead**

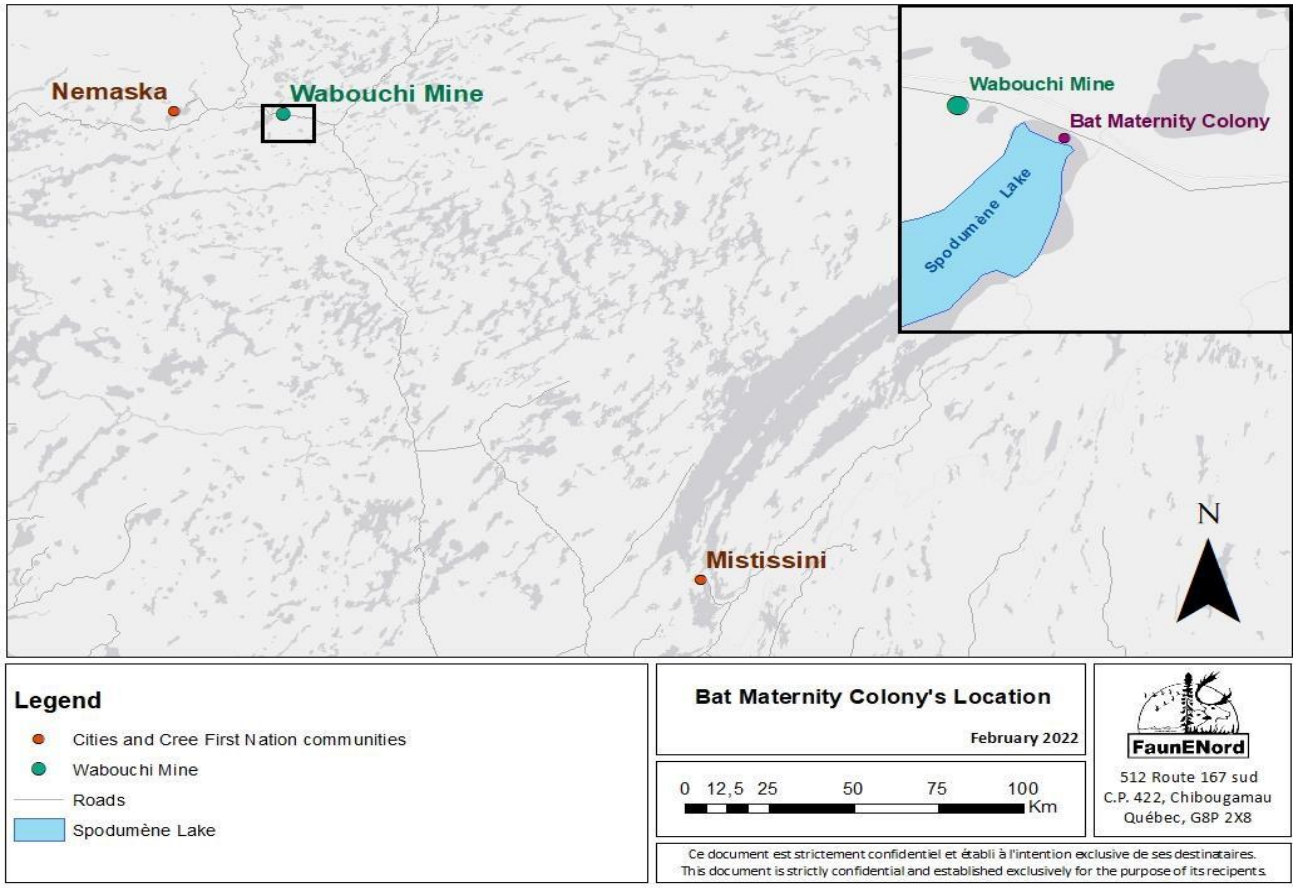
    ✓ Arsenic and lead levels in the flesh samples of the three target species are lower than Health Canada Guideline for fish protein.

Hydrological, Ecological and Habitat Functions of Spodumene Lake Peatland (2021)

- Objectives:
  - Document evolution of peatland and pond area using aerial drone imagery;
  - Determine evolution of flora assemblage over the years;
  - Measure pH and conductivity of peatland pools to provide baseline data for future inventories.
- Highlights:
  - **Reduction of peatland area in 2021** compared to 2018 and 2019;
  - **Slight reduction of pond area in 2021** compared to previous years (- 1.7%);
  - **Larger changes in the frequency and abundance of some species were observed over time**. The observed changes represent a natural evolution of the microhabitat in the Spodumene Lake peatland rather than a consequence of anthropogenic activities at the mine site;
  - pH and conductivity were measured for the first time in 2021, data to be compared in future surveys.

Bat Survey (2021)

Monitoring Activity (2021)	Brief Description	Period
NMX - B8 - Bats (FaunENord & MFFP)	• Maternity located to the North of Spodumene Lake (old camp) • Visual count and acoustic monitoring	May 11 to Sept. 30, 2021



Visual count

Ultrasound detector

2021 Bat Survey - Highlights

- The two endangered species under federal law - **Northern long-eared bat** and **Little brown bat** – **were the most detected** in the study area, especially during the reproduction season (May-July);

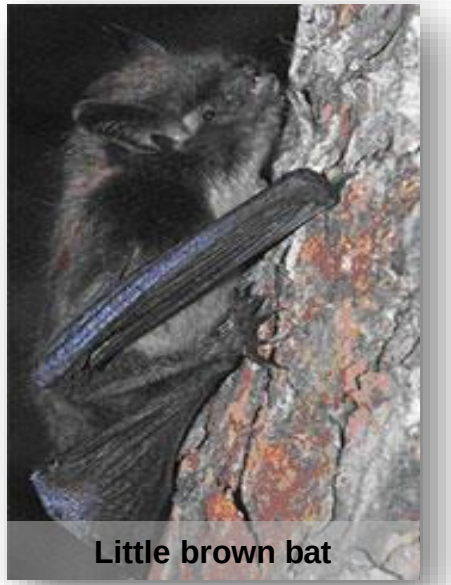
- Other bat species were detected during the migration season (August-September):

  – Big Brown Bat
  – Hoary bat (specie at risk – Quebec)
  – Silver-haired bat (specie at risk – Quebec);

- 2021 results similar to those of 2019;

- No observation during visual surveys (June 22, July 28-29).

Northern long-eared bat


Little brown bat

Wildlife Monitoring (2021)

- Wildlife observation at the mining site in 2021 (species of interest)

Species	Number of Observations
Fox	49
Common Nighthawk	2
Bear	1
Bat	Several Obs.
Wolf	2

Involvement of Cree Nation of Nemaska in Monitoring Activities (2021)

- Participation of Mr. **Jacob Weistchee** and Mr. **Dominic Swallow** in several monitoring activities, including:
  - Surface water testing
  - Hydrology
  - Groundwater testing
  - Heavy Metals in fish flesh and liver
  - Flora inventory – peatland

- Equipment rented to Mr. James Wapachee

New Nemaska

7. 2022 Environmental and Social Monitoring Program

2022 Environmental and Social Monitoring Program

Monitoring Activity (2022)	Brief Description	Date
Surface water quality (Nemaska Ressources)	• Water testing at 14 sampling stations	May 31 – June 9 July 26 – August 5
Hydrology (Nemaska Ressources)	• Water level measurments in several lakes and creeks, including spawning sites • Flow rates in creeks	May 31 – June 9 July 26 – August 5
Groundwater (Nemaska Ressources)	• Groundwater water testing in several observation wells around Whabouchi • Assessment of water level & quality	May 31 – June 9 July 26 – August 5
Potable water at the mine site (Nemaska Lithium)	• Potable water testing – water wells at the mine site	Monthly basis
Spodumène Lake Peatland (Nemaska Ressources)	• Evolution of peatland and pond area using aerial drone imagery • Wetland's outflow • Water table depth • Floristic and wildlife survey	May 24-26 May 31 – June 9 July 26 – August 5 June 21-24 (birds) July 1-7 (amphibians & reptiles) August 15-26 (voles and mice) August 23-28 (flora)
Bats (FaunENord & MFFP)	• Maternity located to the North of Spodumene Lake (old camp) • Visual count and acoustic monitoring	May10-11 End of June (adults) End of July (adults & Youngs) End of September
NMX B9 - Wildlife (Nemaska Lithium)	• Observation of wildlife species of interest on the mine site	Ongoing
NMX H6 - Cree Involvement Nemaska Lithium)	• Favoring Cree involvment in NLI monitoring activities	Ongoing

8. Updates on permitting and regulatory affairs

- Answer to IAAC request
- Annual environmental and social monitoring report – 2021 (COMEX)
- Annual report – 2021 (IAAC)

Update on Permitting and Regulatory Affairs

PERMITS ISSUED

- No new permit applications since the last meeting

PERMITS IN PROCESS

- No new permit applications since the last meeting

REPORTS FILED WITH REGULATOR

- **GCM report** : Response to the Impact Assessment Agency of Canada's (IAAC) request for clarification regarding the impact of changes made to the Whabouchi project on valued components under federal jurisdiction (May 31, 2022)
  - Possibility for the members of the EC to comment the report until June 20 (report available on Teams Group)

NEXT STEPS

- Filing annual report with the COMEX (results of the 2021 environmental and social monitoring program)
  Due Date: June 30, 2022
- Filing annual report with the IAAC
  Due date: June 30, 2022
- Permitting Plan for the Whabouchi project under preparation (GCM)

9. Varia

10. Summary of Actions

11. Next Meeting

New Nemaska

Thank you !

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
October 25th, 2022 – Videoconference

Were present

Anna Krupa	Cree Nation Government (CNG)	Environmental Analyst	Interim Member
Matthew Tanoush	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development	Observer
Walter Jolly	Cree Nation of Nemaska (CNN)	Councillor	Member
Tanya Lamoureux	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel	Observer
Anderson Jolly	Cree Nation of Nemaska (CNN)	Councillor	Substitute
James Wapachee Sr	Cree Nation of Nemaska (CNN(	Tallyman	Observer
Denis Isabel	Nemaska Lithium (NLI)	VP – Sustainable Development	Member
Vincent Perron	Nemaska Lithium (NLI)	Senior Director – Environment and Stakeholder Relations	Member
Isaac Gauthier	Transfert Environnement et Société (TES)	Facilitator - Project Director	Animator
Laurianne Francoeur	Transfert Environnement et Société (TES)	Note Taker - Analyst	Note taker

Meeting Agenda

Item #	Description
1	Opening and introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field • BC-10 decantation pond • Domestic water treatment system • Minor Spill on site
6	Presentation of the new Closure Plan (summary)
7	Presentation of undertaken, ongoing and planned wildlife monitoring/ assessments (tallyman request) - postponed to next meeting
8	Updates on permitting - postponed to next meeting
9	Varia
10	Summary of actions for the next meeting

Item #1. Opening and Introduction

Isaac opens the Environmental Committee (EC) meeting by welcoming the members. Denis is invited to share an introductory word. The meeting's agenda is well packed with several important issues to be discussed. The Cree members are invited to say a prayer before the meeting continues. Matthew proposes himself and says a prayer in Cree.

Since the last meeting was several months ago, a quick round table is held to allow members to reintroduce themselves.

It is mentioned that Anna will fill Kelly's seat on an interim basis. Her official replacement will be announced shortly.

Item #2. Approval of the proposed Meeting Agenda

The meeting agenda is presented. Isaac proposes a 15-minute break after the sixth topic on the agenda.

The agenda is approved. No varia is proposed.

Item #3. Previous Meeting Follow Ups

Isaac presents the previous meeting's minutes. No comments nor feedback were received. The minutes are adopted.

Vincent and Denis present the previous meeting's follow-up actions, namely to:

- Apply minor corrections to the March 9th EC meeting report;
- Present a summarized version of the mine's Closure Plan;
- Send a survey to determine environmental symposium date;
- Arrange a site visit with Walter Jolly and Matthew Tanoush;
- Present Nemaska Lithium's Communication Plan;
- Share Nemaska Resources' contact information with the CNG;
- Share the Nemaska Resources' final report;
- Share a summarized report of undertaken, planned and ongoing wildlife monitoring/inventories.

They begin by confirming the minor corrections to the previous meeting report. The members received the corrected version on June 29th, 2022. The summarized version of the Closure Plan will be presented later in the meeting.

Vincent continues by explaining NLI's decision to postpone the environmental symposium, as it would require a lot of work, with little time. Moreover, the mine is currently under care and maintenance, which means that there will be fewer things to share at a symposium. Since construction is planned to begin in 2023, it makes more sense to hold the event next year. Denis adds that it is important to find the ideal moment for the event, since summer, fall and spring are not optimal, due to traditional activities of the community. As such, February and March are proposed to which Tanya mentions that January or February would be best. She asks if the event will have any political topics, adding that there is an election in February. Vincent confirms that only environmental topics will be discussed. Matthew suggests that the event is held in March.

Still on the topic of the environmental symposium, it is mentioned that the event's planning will

begin before the end of the year. Vincent mentions that the event could also be a good opportunity for the CNG to present the ongoing eDNA project. Denis adds that the symposium is not focused on the Whabouchi Project but aims to discuss local environmental issues or projects. Researchers, non-profit organizations, and regional partners are welcome to do presentations. Tanya suggests that Matthew's team participates in the event's planning. She adds that for previous similar events, Nemaska has worked with the FauneNord firm to ensure an environmentally friendly event.

The meeting continues with a mention that Vincent will be present at the mine site all week and if committee or community members which to visit the site, Vincent will make it his priority. Matthew confirms that he is interested in visiting the mine site. It is agreed upon that he can present himself at the gate on Thursday October 27th at 11:00 AM for a visit and lunch. Matthew also mentions that James Wapachee, the R20 tallyman, is in his office and would also be interested in a site visit. Vincent welcomes James to join the site visit and mentions that he will contact him to organize the visit.

Tanya asks Matthew if James will attend the committee meeting, which Matthew confirms, adding that Walter is also in attendance. The Nemaska board room is set up so the members can join the meeting. Anderson also joins the meeting. Isaac provides a summary of the meeting so far so the members can be up to date.

Regarding the Communication Plan, Vincent explains to the members that the document is not ready yet, and its presentation is postponed to next year. Anderson takes the opportunity to ask if Nemaska Lithium's new liaison agent was hired, which Denis confirms. The new liaison agent is Silas Blackned and he will be soon joining the team. Anderson continues by asking if NLI will share a newsletter to inform the community about the project's progress. Denis answers that this is currently under discussion. However, NLI will probably use more popular communication channels like Facebook or local radio, for example. Anderson agrees but insists on the fact that the community wants to be informed. He mentions that many people have questions about the new committees and employment opportunities at the mine. Anderson continues by asking if Silas Blackned will continue to work at the airport since is currently a supervisor. Denis answers that yes, he will work both jobs part-time in the short term.

The follow-up actions continue with Vincent explaining that Nemaska Resources' final report refers to a monitoring report from last year. He adds that the report is now available to the committee members on the Teams channel. Anna then asks if the contact information for Nemaska Resources was shared with Kelly. Vincent answers that it is possible since it was shared for the eDNA Project, but if needed, the information can be shared with Anna. She confirms that she will need the information to share it with Kelly's replacement.

The discussion on follow-up actions continues with Vincent mentioning that the final topic, wildlife monitoring, will be discussed in the meeting. Matthew asks if black bears are part of the control plan, especially for those who may try to eat garbage. Denis answers that NLI has cages to capture bears if they get too close to the site and, if needed, the tallyman will be contacted to assist in the capture. He adds that no bear was spotted this year near the cafeteria area, with one bear seen further away from the property. Walter adds that the bears will be hibernating soon and won't be a problem. James continues by saying that the cages owned by NLI are not the best ones since they don't have wheels. Denis confirms that he will look into having wheels added to the cages to facilitate transportation and will reach out to James to find the best solution. Anderson continues by saying that the Eleonore Mine has had problems with bears. A bear even locked himself in the laundry room and was found by an employee. He suggests keeping dogs at the site to make sure that the bears don't come too close.

Item #4. Environmental Updates

Following last meeting's discussion on the BC-10 water basin, which showed an orange tint due to an elevated iron concentration, Vincent shares information on the recent water sampling analysis. He notes that the iron concentrations have been slowly rising, reaching a 5.4 mg/L concentration. He reiterates that the water is not toxic, as the orange tint is basically rust, and that the issue is mostly esthetic. Since the regulatory limit is 6 mg/L, Nemaska Lithium decided to pump the water into basin BC-11 and avoid any discharge. Later in the project, NLI plans to build a water treatment plant and treat the site's water. Regarding the water pumping to BC-11 basin, NLI is currently working on improving the process.

James asks when will the water return to a normal colour. Denis explains that it is not the water that is orange tinted, but rather the rocks. He mentions that the rocks will likely remain orange but will be contained on-site. James then asks if the colour is caused by a contaminant, to which Denis explains that the colour is caused by the contact (oxidization) of iron in the soil with air and can be compared to rust on rocks. He adds that the phenomenon is common at mine sites. Walter then asks if other mine sites also the same issue have, which Denis acknowledges. Vincent adds that such rust can often be seen in roadside ditches around the Route du Nord. Denis continues by explaining that the water is clear and that the orange particles are at the bottom of the basin.

Anderson asks if the BC-11 basin's water is orange tinted. Denis answers negatively, but if BC-10 water continues to be pumped without being treated, it will be. He insists on the fact that the solution is temporary and that a company will treat the basin at the beginning of the winter. The pumping will also stop once the weather will be too cold. Denis explains that the water from the BC-10 basin will always have an orange tint, but it won't be as pronounced as it is at the moment. Anderson mentions that he would like to do a site visit but will unfortunately not be available this week. Denis mentions that there is always someone onsite and that anyone who would like to visit can simply call-in advance and present themselves at the gate. On that matter, Isaac suggests that the visits be made by someone at NLI who can speak to the tinted water issue in BC-10. Both Denis and Anderson agree. Laurianne will share the respective parties' contact information to facilitate the site visit.

Tanya asks if the water in basin BC-11 discharges anywhere. Denis answers that the water stays in the basin and is not discharged. Tanya continues by asking whether the treatment will be done repeatedly, to which Denis answers that the treatment will only be done once. Tanya continues by asking if the treatment will have any impacts to wildlife, for example to ducks or geese that land in the BC-10 basin. Denis and Vincent explain that the treatment is non-toxic, and nor is the water in the basin. They mention that some fish (suckerfish) were spotted in the basin and that they are not affected by the orange colour since the water is clear and non-toxic. No birds were seen on the basin.

Matthew shares his thoughts on the issue in Cree. He then summarizes in English by mentioning that the same orange colour can be seen in creeks along roads. He mentions that very few fish are seen in those creeks, which is natural. He adds that iron is a natural occurring mineral from the earth. Denis agrees with Matthew's affirmation. He repeats that the issue is mostly aesthetic and that the measures taken are to avoid any potential future problems.

Matthew continues by sharing the words of his late father, who mentioned that tunnels exist between lakes, rivers, and ponds, which allows water to travel between sources. He explains that in the past, he saw a lake that used to be very clear change colour to a darker one because of underground channels. Matthew then asks if such a situation could happen in Spodumène Lake or

other water sources in the area. Denis agrees with Matthew's observation and answers that the situation should not occur since the water itself is not tinted, only the rocks are affected by the colour change.

Tanya invites Walter and James to join Matthew during the site visit on Thursday to obtain more information on the topic. Walter confirms that he already saw the water colouration during his last visit.

Vincent continues the meeting by presenting NLI's domestic water treatment system. The treatment started on August 26th, for which the committee members received an email on the topic on September 1st. The system treats the work camp's water, namely from the kitchen, showers, and toilets. Vincent explains that adjustments are still being made to the treatment system, for example, to adjust the bioreactor's pH.

Walter asks if the domestic water discharge will be monitored. Vincent answers that all the mine's water discharge will be monitored during its lifetime. Most of the systems require monthly monitoring.

Isaac summarizes the information shared by Vincent to ensure everyone's understanding. He mentions that the water treatment system and the discharge pipe are only for domestic water and not mining activities, which Denis confirms. Walter then asks if the water used to supply the camp is taken from an underground well. Denis answers that the camp's drinking water is from an underground well while the rest of the water supply comes from the surface. Anderson asks if NLI plans to reduce water use during the mine's operation. Denis answers that the water used by the plant will be recirculated to avoid discharging into the environment. Matthew asks if there is a reason why the domestic water discharge pipe is not underground, to which Denis answers that the above ground pipe is to be used during summer and will be changed during winter to prevent freezing. The pipe is also only used for the construction camp as the permanent camp will use a different system. Denis adds that the above ground pipe should not affect wildlife movement and suggests that the members participating in a site-visit later in the week also see the water discharge pipe to share feedback on the topic. Denis repeats that the current discharge system is preliminary. Matthew thanks him for the answers but mentions that he is looking for a permanent solution.

Isaac suggests that the topic of water management be further discussed in a future meeting.

The meeting continues by discussing a minor spill that happened at the site, for which an email was sent on September 8th to the Environmental Committee. Vincent shares information about the spill and how it was managed. He mentions that since the project is in care and maintenance, there are only a few such incidents, NLI can thus communicate to the committee each spill as soon as it happens. During the construction phase, spills and other environmental incidents will be communicated in a monthly report.

The committee takes a 15-minute break.

Item #5. Presentation of the New Closure Plan

After a short break, Denis begins presenting NLI's Closure Plan for the Whabouchi Project. He explains that a Closure Plan is required by government to ensure that companies do not abandon mining projects. The plan must be very detailed, supported by a security deposit, and updated every five years to take into account the project's evolution and its operations.

The Closure Plan that is presented today is the latest version from February 2021. The document will

also be available on Teams, for consultation. The topics are the following:

- Co-disposal heap: represents the area where the waste rock and tailings will be stored. The area will be progressively revegetated. Also, since NLI is pilling dry elements, these will partially return to the pit and be revegetated from east to west.
- Barren land: the material will be removed. The remaining barren land will be revegetated.
- Buildings and plants: the buildings will be decommissioned and sold. There will be no demolition or waste landfill at the site, as recycling and waste disposal will be made in the south of Quebec. No waste will remain on Cree land.
- Surface infrastructure: will be demolished. The waste will be recycled or disposed adequately.
- Roads: they will be scarified as they cannot be immediately revegetated due to soil compaction. Some roads will be rehabilitated later since they will be needed in the short-term for monitoring. This usually takes 10 years, but it can be longer if requested by government.
- Underground infrastructure: they will be cleaned and left in place.
- Overburden heap: will be used for re-vegetation.
- Ditches and basins: will be cleaned and backfilled. The site will also be re-vegetated.
- Open pit: The pit will be progressively filled with water to be transformed into a new lake. It will take many decades to fill this lake, up to 30 years according to Denis. A peripheral berm will be installed at a safe distance from the pit.
- Heavy equipment: it will be sold. If a Cree company wants the equipment, they will have priority on buying the equipment.
- Petroleum products, chemical products, and hazardous materials: They will be sent for disposal in approved facilities.
- Contaminated soils: depending on the quality and the contamination of the soil, it will be managed per regulations.
- Ditches and basins: They will be cleaned and backfilled.

Tanya asks if NLI could consider selling the camp site to Nemaska. Denis answers that it is not in the plan since it was not discussed with the community, however the idea could be considered. He adds that there is still time to have these conversations since the Closure Plan will be updated in 2026 and the mine's closure is in minimum 33 years.

Matthew asks if NLI will use the overburden for backfilling. Denis answers that only the co-disposal heap will be used.

Tanya asks if the Closure Plan is written in French, to which Denis answers positively. Tanya suggests that this should be made clear when the document is shared. If needed, a translation of certain parts could be made, per the community's specific interests. Denis and Vincent agree.

Walter asks if fish will be able to live in the open pit once it is transformed into a lake. Denis answers that yes, although they will likely be small fish, as there will be little vegetation to support larger fish due to the lake's depth. He adds that the plan does not aim to create an ecosystem for animals, mentioning that there was little consultation on the document. He adds that NLI will look to consult the Nemaska community when it will update the Closure Plan. Walter asks if the lake will be toxic, to which Denis answers that it will not. Walter and James both mention that the lake looks beautiful according to the pictures, with a beautiful colour. Denis suggests showing pictures of other mine lakes post rehabilitation to the members. He mentions that the lake's colour will be light blue but will eventually become darker. Tanya asks if the lake will be like a gravel pit lake, to which Denis answers positively, although mine pits are deeper. Thus, the colour is darker than in a gravel pit lake.

Tanya explains to Walter and James that Lake Lemay near Ottawa is a gravel pit lake. People can swim in it and use it for recreational activities.

Anderson asks if the lake's water will be monitored, to which Denis answers positively. Anderson then asks how deep the lake will be, to which Denis answers that it is not known yet, but the information can be shared later in the project's development.

Matthew intervenes to insist on the importance of good planning in project development and mentions that he hopes younger generations will be smarter with resources management and request stricter regulations. As an example, he mentions that in Ontario, mines must use overburden, waste rock and tailings to fill a pit after closure. He suggests the same practice be used and that the community be consulted on the topic. Denis answers that backfilling a pit is always recommended in Quebec. In some cases, he mentions that project's with more than one pit often progressively fill them as the project moves forward. Different pit shapes can also be used to support the backfilling or parts of the mine can be built underground. To sum up, Denis mentions that NLI is still considering different options.

Regarding Matthew's comment, Isaac asks NLI if they can commit to having meaningful consultations on the Closure Plan with the community. Denis commits to consultations with the Nemaska community prior to the updating the Closure Plan. Tanya mentions that the topic of consultations on the Closure Plan was a big issue for the community. She then asks if an underground mine is a serious option. Denis explains that it is a possibility and will depend on the mine's economics. If the lithium market stays up, the mine will likely be an open pit. If the lithium market goes down, the project may be underground. This will be planned out to ensure the best use of the project's finances and the site's lithium resources. Denis adds that NLI could organize a visit to a closed mine site so the members can see what it looks like.

Denis continues by presenting recent improvements to the Closure Plan. One key element is the building of a co-disposal test pad by a team from the Université du Québec en Abitibi-Témiscamingue (UQAT) to assess geochemistry and predict water quality for the project's eventual full co-disposal heap. The testing and monitoring were made by a Ph.D. student for their thesis and the report is now available. The objective was to predict the water quality of the co-disposal heap to ensure better control. Matthew asks what a co-disposal test pad is, to which Denis explains that it is a smaller version of the co-disposal heap to test potential environmental issues and plan appropriate mitigation measures.

Vincent follows by giving details about a re-vegetation study undertaken by the Université de Sherbrooke. The study's objective was to test the revegetation potential of local plant species. Usually, hydroseeding is used in such studies, but in this case, there were concerns about this approach with local plants. The plants were thus tested in soil, with different nutrients and different soil compositions. He adds that the nursery will be built next year, and it will be possible for local companies to operate the nursery. Isaac asks which plants are tested, to which Vincent answers that he doesn't know the names of all the plants but knows that Labrador tea is currently being tested. The name of the plant species will be shared with the group at the next meeting.

Denis thanks the community for keeping the Université de Sherbrooke project alive and further thanks Matthew for helping to fund the project. Matthew mentions that Sébastien Roy, the study manager from the Université de Sherbrooke, wanted the Cree nation to actively participate in the project, but unfortunately, there was a lack of community participation. Denis mentions that the topic can be discussed at the following meeting and that for the moment, the project will rely on resources from the Université de Sherbrooke. He also adds that the topic could be raised during

consultations with the community. Matthew mentions that the University has the skills and knowledge necessary to undertake the study since they worked with Hydro-Québec on a similar project. He asks if training will be available in Nemaska to support the project. Denis mentions that Sébastien Roy is open to sharing how the project works and partnering with the Nemaska community. Isaac points out that this would be a good topic for the Economic Development Committee.

Item #6. Summary of actions

The rest of the presentation is postponed to the next meeting as it is lunchtime. This will allow enough time to cover the topic of wildlife monitoring and answer member questions. Denis takes time to thank everyone for their participation. He repeats that a visit is planned on Thursday at 11:00 PM, and everyone is welcome to join. Another visit will also be planned later for Anderson.

Tanya suggests that the next Environmental Committee meeting be in person. It is agreed by all. The aim is to hold the next meeting in December, before the holidays. A survey will be sent out by Laurianne to organize the meeting.

The actions are the following:

Share the eDNA project's information with Anna	VP
Share Vincent and Denis' contact information with Anderson	LF
Present details about the construction of the permanent camp, including water discharge	VP and DI
Reach out to James Wapachee regarding bear management at the mine site	VP and DI
Share Closure Plan and identify significant portions for community review	VP and DI
Verify details about the Closure Plan - Depth of the new lake - Members' interest to visit another closed mine site - Photos of mine lakes where the water changed colour	VP and DI
Share the names of the plants tested by the Université de Sherbrooke with regards to re-vegetation of the mine pit	VP

NEMASKA LITHIUM

Environment Committee Meeting

October 25th 2022

1. Opening and Introduction (Quorum)

Cree Members

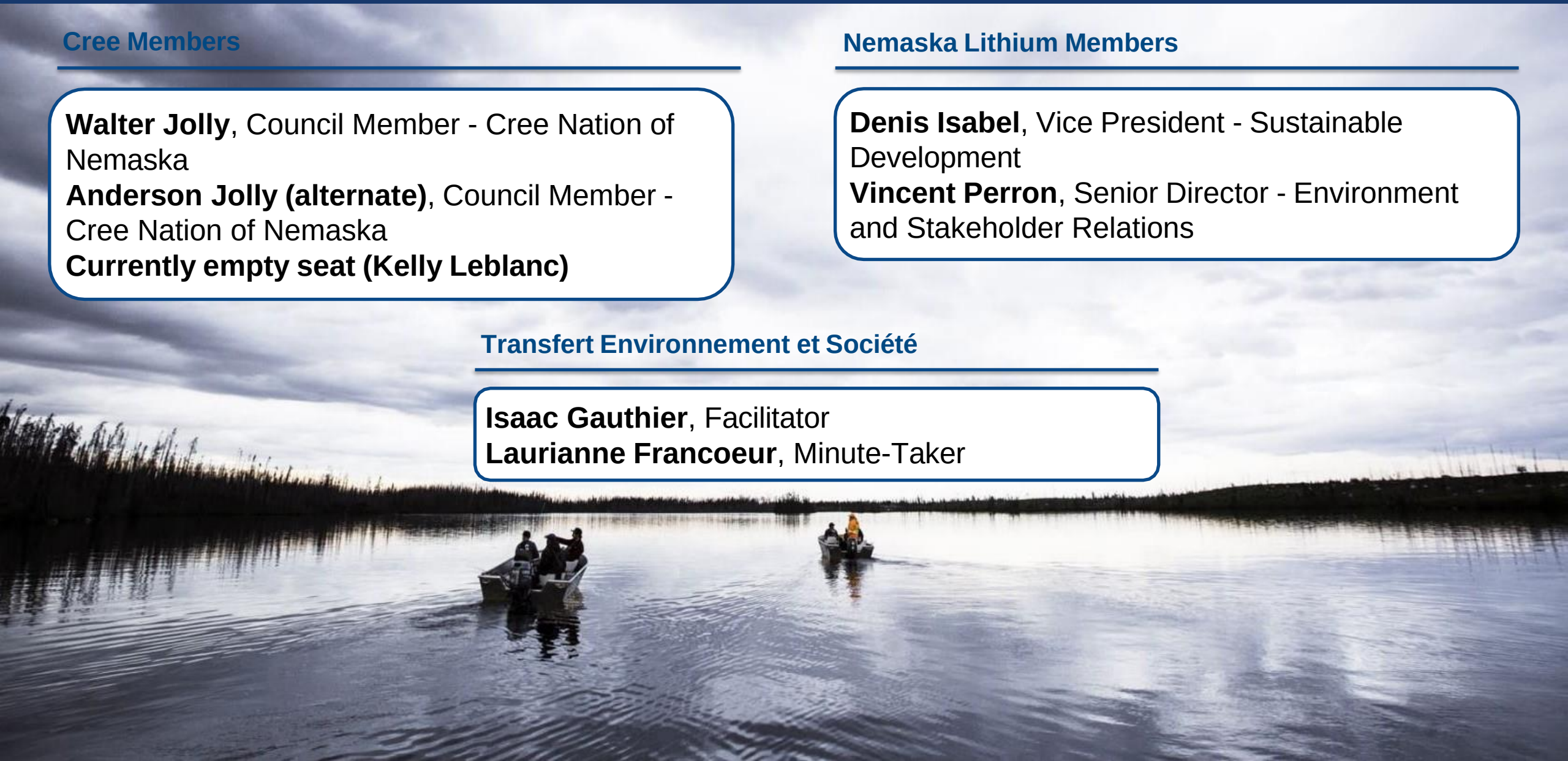
Walter Jolly, Council Member - Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member - Cree Nation of Nemaska
Currently empty seat (Kelly Leblanc)

Nemaska Lithium Members

Denis Isabel, Vice President - Sustainable Development
Vincent Perron, Senior Director - Environment and Stakeholder Relations

Transfert Environnement et Société

Isaac Gauthier, Facilitator
Laurianne Francoeur, Minute-Taker



2. Approval of the Proposed Meeting Agenda

Proposed meeting agenda:

1. Opening and Introduction
2. Decision: Approval of the proposed meeting agenda
3. Decision: Approval of the previous meeting minutes
4. Discussion: Previous meetings follow ups
5. Discussion: Sharing environmental updates and feedback from the field
6. Discussion: Presentation of the new Closure Plan (summary)
7. Discussion: Presentation of undertaken, ongoing and planned wildlife monitoring/assessments (tallyman request)
8. Discussion: Update on permitting and regulatory affairs
9. Varia
10. Summary of actions

3. Approval of the Previous Meeting Minutes (EC Meeting - June 2nd 2022)

- Previous Meeting minutes were sent to EC members on June 29th 2022

  ✓ TES has not received any comments

- Minutes of the June 2nd EC meeting available at this link:

  EC Meeting_June 2nd, 2022

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
June 2nd, 2022 – Videoconference

Were present

Walter Jolly	Cree Nation of Nemaska (CNN)	Councillor	Member
Kelly Leblanc	Cree Nation Government (CNG)	Environmental and Social Assessment Coordinator	Member
Denis Isabel	Nemaska Lithium (NLI)	VP – Sustainable Development	Member
Vincent Perron	Nemaska Lithium (NLI)	Senior Director – Environment and Stakeholder Relations	Member
Isaac Iserhoff	Cree Nation Government (CNG)	Territorial Programs and Natural Resources Advisor	Observer
Anna Krupa	Cree Nation Government (CNG)	Environmental Analyst	Observer
Matthew Tanoush	Cree Nation of Nemaska (CNN)	Director of Land and Sustainable Development	Observer
Tanya Lamoureux	Cree Nation of Nemaska (CNN)	Corporate Secretary – Legal Counsel	Observer
Patrick Corriveau	Nemaska Lithium (NLI)	Environment Coordinator	Observer
Isaac Gauthier	Transfert Environnement et Société (TES)	Facilitator - Project Director	-
Laurianne Francoeur	Transfert Environnement et Société (TES)	Note Taker - Analyst	-

Meeting Agenda

Item #	Description
1	Opening and introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field
6	Presentation of the environmental and social monitoring program highlights for 2021
7	Presentation of the 2022 environmental and social monitoring program
8	Updates on permitting
9	Varia
10	Summary of actions for the next meeting

4. Previous Meeting Follow-ups

Suggestions and actions	Updates and status
1. Apply minor correction to March 9th EC meeting minutes as per Kelly Leblanc's comment	☑ Done
2. Prepare and present a summarized version of NLI's closure plan	☑ Done –will be presented today
3. Send a survey to determine environmental symposium date	☐ Postponed to next year
4. Arrange a site visit with Walter Jolly and Matthew Tanoush	☑ In Progress – Several attempts made
5. Present Nemaska Lithium's communication plan	☐ Postponed to the next meeting
6. Share Nemaska Resources's contact information with the CNG	☑ Done
7. Share the final report of Nemaska Resources	☑ Done
8. Prepare and share a summarized report of undertaken, planned and ongoing wildlife monitoring/inventories for the Whabouchi Project	☑ Done - will be presented today

5. Environmental Updates and Feedback from the Field

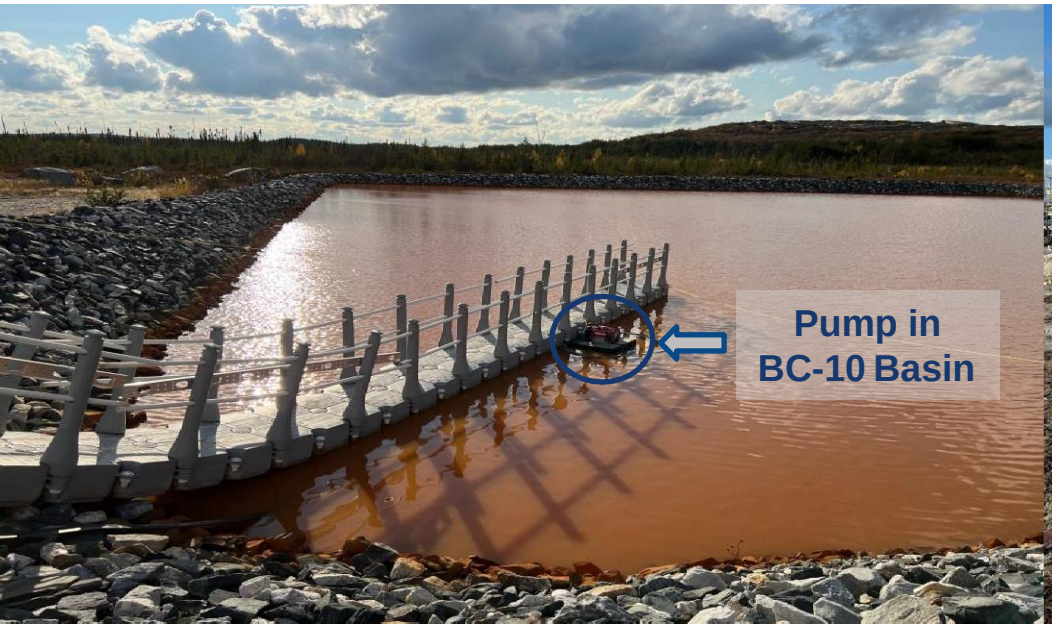
- **Coloured water in BC-10 basin**
  - ✓ Water samples were taken in August 2022 and sent to laboratory for analysis
  - ✓ This year's results compared to those of 2021 show an **increase trend** in water concentration for **suspended solids**, **turbidity**, **iron**, and **sodium**. They also show a **slight decrease of water pH**. However, the coloured water is still **non toxic**.

BC-10 Basin

Parameters	2021 Results	2022 Results	Limit	Trend
Suspended solids (mg/l)	3,8	10	30	
Turbidity (UTN)	28	44	…	↑
Iron (mg/l)	1,5	5,4	6	
Sodium (mg/l)	3,4	47	…	↑
pH	7,32	6,83	6 - 9,5	↓
Bioassays	Non Toxic	Non Toxic	No Toxicity	↔

5. Environmental Updates and Feedback from the Field

- **Coloured water in BC-10 basin**
  - ✓ Action Plan:
    - Short-term: Transfer the coloured water from the BC-10 basin to the BC-11 basin and stop the effluent in the peatland
    - Mid-Term: Treat the iron-enriched water (water treatment requires an authorization from the regulator)



5. Environmental Updates and Feedback from the Field

BC-10 Basin (Oct. 24th, 2022

BC-10 Basin (Oct. 24th, 2022

5. Environmental Updates and Feedback from the Field

- **Domestic water treatment system (Mabarex)**
  - ✓ Operation of the Whabouchi domestic wastewater treatment system started on August 26, 2022
    - Notification were sent to EC members with the location of the effluent
    - Monitoring program of the effluent has been implemented
    - Effluent is meeting environmental standards, except for the ammoniacal nitrogen (adjustments are being implemented)

Control room

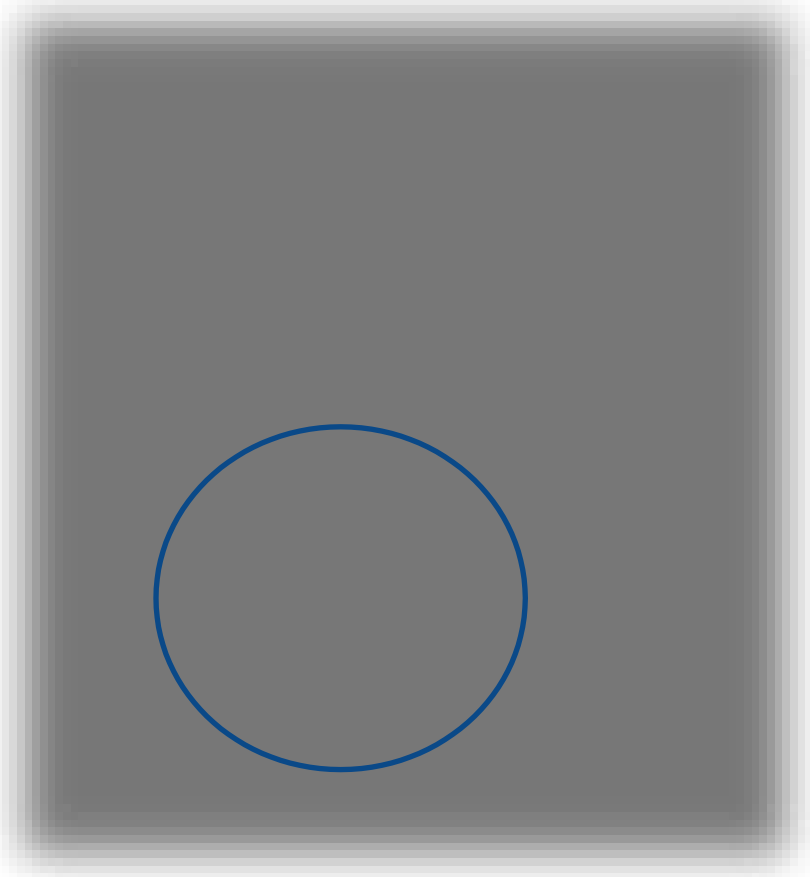
Treated Water Line (effluent)

Treated Water (effluent)

5. Environmental Updates and Feedback from the Field

- **Minor Spill at Whabouchi**

  - ✓ **Volume spilled:** less than 15 L of hydraulic oil
  - ✓ **Surface impacted:** 2m^2
  - ✓ **Cause of the spill:** broken hydraulic hose of a propane transfer pump (propane truck)
  - ✓ **Intervention:**
    - Use of absorbent sheets;
    - Excavation of 0,5 m^3 of contaminated soil;
    - Soil disposal in accordance with Quebec regulation.
  - ✓ **Modification of the work procedure:**
    - Visual inspection of the pump and fittings before use;
    - Use undercontainment device to collect any leak;
    - Supervision by Nemaska Lithium of the filling operation, from the beginning to the end of the operation.



6. Summary of the Updated Closure Plan

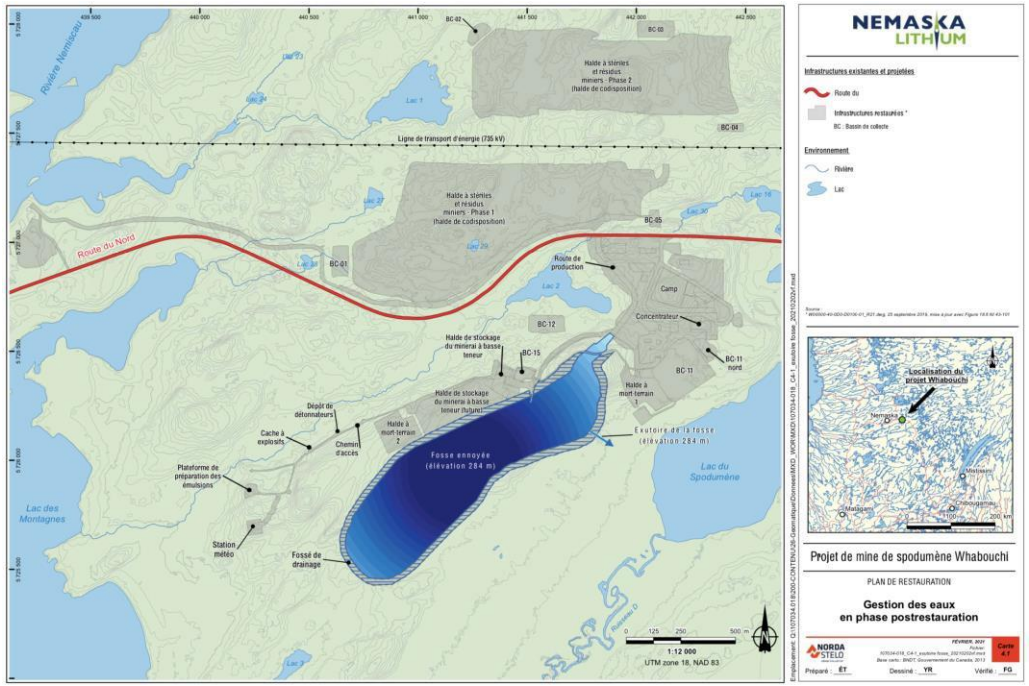
Element	Closure
Co-disposal heap	Progressive re-vegetation
Barren land	Re-vegetation
Buildings and plant	Decommissionning and total demolition and waste recycling or disposal
Surface insfrastructures	Total demolition and waste recycling or disposal

6. Summary of the Updated Closure Plan

Element	Closure
Roads	Scarification and re-vegetation, Except access path for environmental monitoring
Underground infrastructures	Cleaned and left in place
Overburden heap	Used for re-vegetation
Ditches and bassins	Cleaned and backfilled

6. Summary of the Updated Closure Plan

Element	Closure
Mine pit	Water filled and peripheral security berm



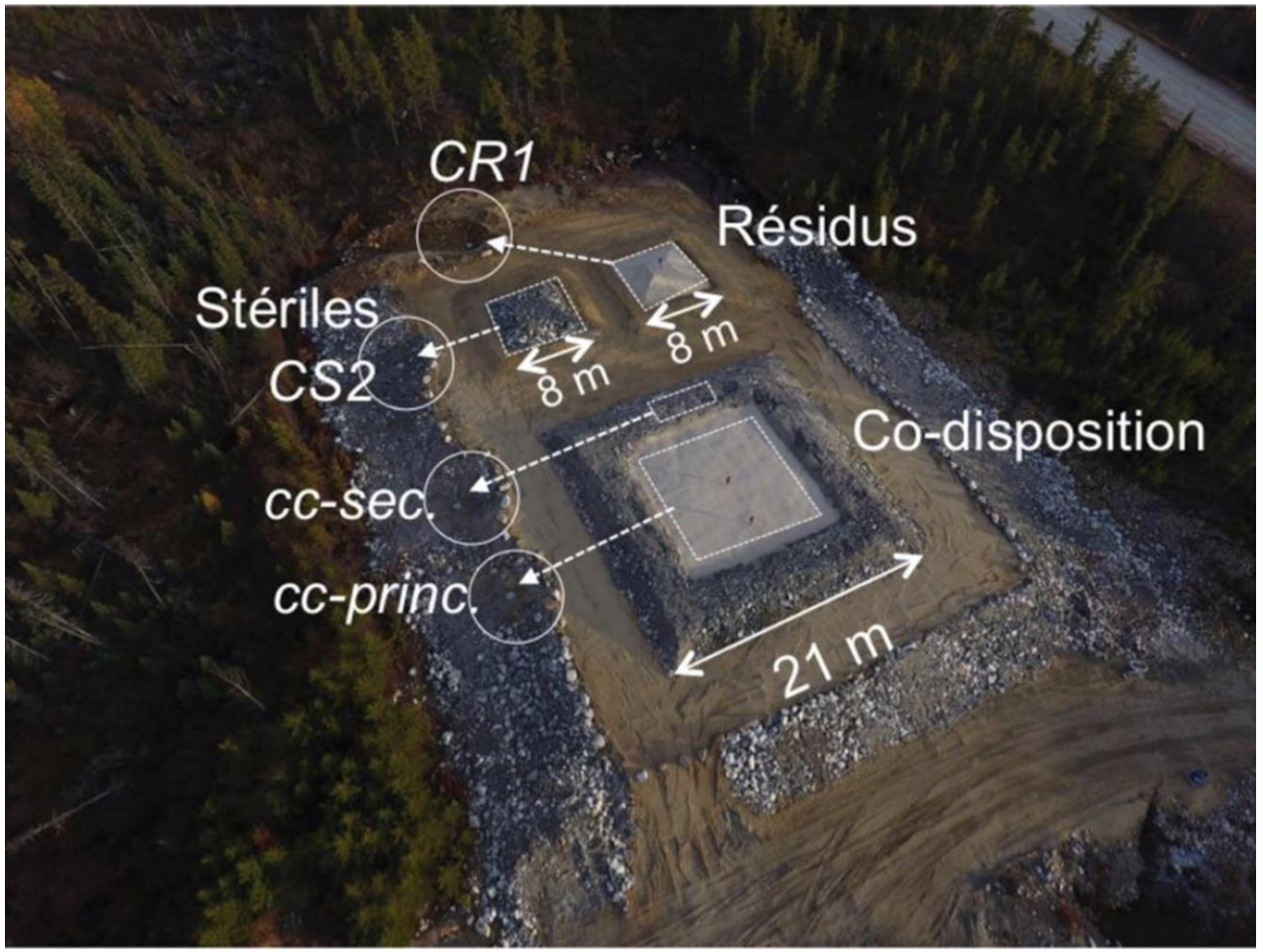
6. Summary of the Updated Closure Plan

Element	Closure
Heavy equipement	Sold
Petroleum products, chemical products and hazardous material	Sent to approved disposal facilty
Contaminated soils	Managed according to approved rehabilitation plan
Ditches and bassins	Cleaned and backfilled

6. Summary of the Updated Closure Plan

Improvement to closure plan

Co-disposal test pad with UQAT to assess geochemistry and predict water quality



6. Summary of the Updated Closure Plan

Improvement to closure plan

Re-vegetation study with Université de Sherbrooke to secure the use of local plant species

7. Wildlife Monitoring Effort (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Fish ✓ Walleye ✓ Brook Trout ✓ Northern Pike ✓ Lake Whitefish ✓ Others	☑ Fish inventory in every lake, stream and river on and around the mining site ☑ Inventory of fish habitats (spawning sites, nursery, etc.)	☑ Three-yearly monitoring of heavy metals in fish flesh (Walleye, Lake Whitefish, Northern Pike) ☑ Monitoring of spawning sites for Walleye and Brook Trout ☑ Monitoring of fish population in lakes 2, 27 and 28 ☑ Multi-year monitoring of fish habitat compensation projects
Bats	☑ Bat inventory on and around the mine property	☑ Monitoring of bat maternity of the Spodumene Lake
Birds	☑ Bird inventory on and around the mine property	☑ Two-yearly monitoring of bird populations in the Spodumene Lake Peatland ☑ Daily monitoring of migratory birds / endangered bird species at the mine site (register)
Micromammals ✓ Voles ✓ Mice	☑ Micromammal inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Amphibians & Reptiles ✓ Snakes ✓ Frogs and Salamanders	☑ Amphibian and reptile inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Benthic organisms ✓ Insects ✓ crustaceans	☑ Benthos inventory in lakes 1, 2, 3 and Spodumene Lake	☑ Annual monitoring of the benthic organisms at the mine effluent in the Nemiscau River

7. Wildlife Monitoring (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Mammals ✓ Bear ✓ Wolf ✓ Moose ✓ Fox ✓ Wooden Caribou ✓ Beaver ✓ Squirrel ✓ Snowshoe Hare ✓ American Marten ✓ River Otter ✓ Mink ✓ Etc.	☑ Aerial inventory (10 km radius around the mine site) ☑ Ground observations ☑ Ground inventory	☑ Daily monitoring of wildlife at the mine site (direct and indirect observations)

8. Update on Permitting and Regulatory Affairs

la Convention de la Baie James et du Nord québécois
Comité d'examen des répercussions sur l'environnement et le milieu social

Environnement et Lutte contre les changements climatiques
Québec

Gouvernement régional d'Eeyou Istchee Baie-James
Eeyou Istchee James Bay Regional Government

Environmental and Social Impact Assessment (ESIA)

General Certificate of Authorization (COMEX)

37 conditions

10 modification requests over the last 6 years

Decision Statement (IAAC)

++ conditions under 10 topics

Obligation to assess the impacts of the modifications made to the project

Main Authorizations Delivered:

- ✓ Site preparation
- ✓ Construction of an ore processing plant
- ✓ Exploitation of sand pits
- ✓ Installation of the final mining effluent pipe (Nemiscau River)
- ✓ Ground water withdrawal (mine pit dewatering)
- ✓ Operation of the Whabouchi mine
- ✓ Operation of a domestic water treatment plant

Main Permits Delivered:

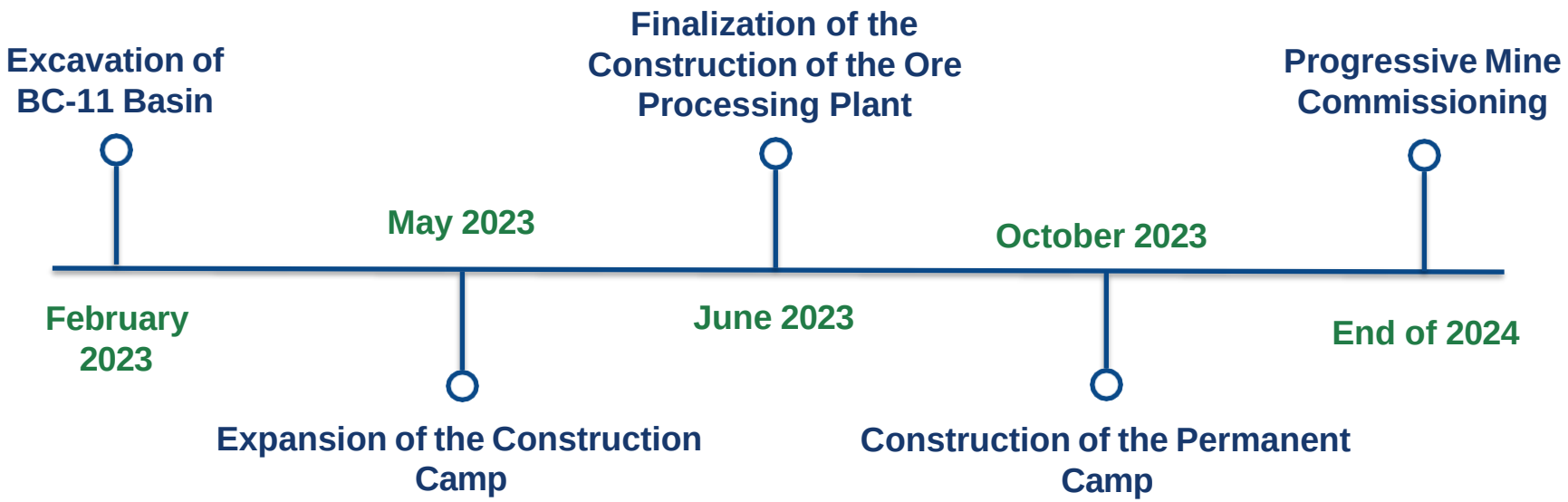
- ✓ Construction permits
- ✓ Fresh water network permit
- ✓ Domestic water network permit

8. Update on Permitting and Regulatory Affairs

Current Authorized Layout of the Mine

8. Update on Permitting and Regulatory Affairs

Whabouchi Preliminary Schedule (starting dates)



8. Update on Permitting and Regulatory Affairs

PERMITS ISSUED

- No new permit issued since the last meeting

PERMITS IN PROCESS

- No new permit in process since the last meeting

REPORTS FILED WITH REGULATOR

- Annual report for the COMEX (results of the 2021 environmental and social monitoring program)
- Annual report for the IAAC
- Reports available here:
  COMEX - Annual Report
  IAAC - Annual Report

NEXT STEPS

- In the short term, prepare permit applications related to:
  - ✓ the expansion of the construction camp
  - ✓ the modification of the ore processing plant
  - ✓ the construction of the permanent camp
- Other permit applications will be prepared in 2023

9. Varia

10. Summary of Actions

Vincent Perron, Biol. M.Sc.
Directeur principal - Environnement et relations avec les parties prenantes
T. 418 809-8029
C. vincent.perron@nemaskalithium.com

WHABOUCHI MINE PROJECT
ENVIRONMENT COMMITTEE – Meeting Minutes
December 14th, 2022 – Hybrid Format

Were present

Vincent Perron	Member	Senior Director – Environment and Stakeholder Relations (NLI)
Denis Isabel	Member	VP – Sustainable Development (NLI)
Walter Jolly	Member	Councillor (CNN)
Anderson Jolly	Substitute	Councillor (CNN)
Aurora Maria Hernandez	Member	Mining Engineer (CNG)
Tina Vassiliou	Observer	Business Partner and Talent Manager (NLI)
Silas Blackned	Observer	Liaison Agent (NLI)
Anna Krupa	Observer	Environmental Analyst (CNG)
Matthew Tanoush	Observer	Director of Land and Sustainable Development
Isaac Gauthier	Observer	Animator (TES)
Laurianne Francoeur	Observer	Note taker (TES)

This environmental committee meeting was held in a hybrid format. Denis, Vincent, Walter, Anderson, Tina, Silas, Isaac, and Laurianne joined the meeting in person in the hotel Four Points in Gatineau. Aurora, Anna, and Matthew joined the meeting online.

Meeting Agenda

Item #	Description
1	Opening and Introduction
2	Approval of the proposed agenda for the meeting
3	Approval of the minutes of the previous meeting
4	Follow-ups from previous meetings
5	Sharing environmental updates and feedback from the field
6	Presentation of the revegetation research by Université de Sherbrooke
7	Wildlife Monitoring efforts (Tallyman Request)
8	Updates on permitting
9	Summary of actions
10	Next meeting

Item #1. Opening and Introduction

The meeting begins at 1:23 p.m. with a proposal from the facilitator to say a prayer. Anderson volunteers and prays in Cree.

The meeting continues with the presentation of the agenda. Anderson then asks if the minutes of the meetings will be available for the public. Tanya adds that they should be, but members should also be able to give information off the record. Isaac agrees while mentioning that there should be consistency between the various committees. Tanya underlines that care should be taken when publishing the WIC minutes since more confidential information will be shared. The members agree to share the environmental committee meeting minutes. Vincent asks what would be the best channel for sharing the meeting minutes, to which Anderson suggests that Silas be the channel. The members agree with the proposal and NLI's team mentions that the minutes will also be added to their website.

Anderson and Walter ask about the fish in Basin 10, namely how they arrived there and if they still are in the basin. Vincent explains that they are Sucker Fish, a specie that does not need a lot of water to travel. He also adds that NLI did not pump water in the basin, therefore the fish were not introduced into the basin by human activities. The members are surprised by this natural event as they never witnessed anything similar.

Item #2. Approval of the proposed Meeting Agenda

Isaac presents the link to access the document. He states that it will still be available after the meeting. No other comments are made.

Item #3. Previous Meeting Follow Ups

The previous meeting follow-ups are presented.

Send a survey to determine the environmental symposium date in March: In progress

Vincent discusses anew the revegetation research project, as the researchers Sebastien Roy and Nicole Fenton from the University of Quebec in Abitibi-Témiscamingue, who are responsible for the revegetation project, both agreed to make a presentation at the environmental symposium on their research. Specifically, Sebastien Roy works on mining site biodiversity revitalization and Nicole Fenton works on Eeyou Istchee's biodiversity. Vincent repeats that the symposium will be organized by NLI, but it will discuss different environmental projects and issues in the area not exclusive to the company or the Whabouchi Project. It is agreed that a Doodle link will be sent to find the best date to hold the event. Anderson suggests that important environmental actors, such as David Suzuki, be invited to the symposium. He adds that he met him at the COP15 biodiversity conference in Montreal, that he has already visited Nemaska, and that his input would be very interesting. It is agreed that an invitation will be sent.

Anna mentions that she contacted the researchers of the eDNA Project, following Kelly's departure from the CNG. She adds that she will also join the February meeting with Vincent.

Isaac and Vincent share a quick explanation of the symposium to Aurora since she is new to the committee.

Share Vincent and Denis' contact information with Anderson Jolly: Done

The contact information was shared on October 31st. No comments or questions are made.

Organize a site visit with Matthew Tanoush: Done

Vincent makes a quick recap of the recent mine visit. Matthew thanks Vincent for the warm welcome and mentions that he found the visit very interesting and was able to learn a lot about the new technologies used at the mine site. Vincent repeats that every member and observer can call the mine for a visit since an employee is always onsite.

Present details about the permanent camp's construction, including water discharge: In progress

Vincent goes on by specifying that the mine is still in the engineering phase. He mentions that there are no new developments and assures that when there are more details, they will be shared with the committee. He further adds that concerns were raised at the last meeting about the domestic water pipes and the possibility of having them buried. He explains that the pipe burial is being analyzed by the engineering team.

Walter then asks if the camp will be at the mine site. Vincent answers that it will indeed be onsite.

Bear management at the mine site – Improve bear trap device: In progress

Vincent continues by mentioning that the bear traps were shown to the tallyman, James Wapachee. He pointed out that the currently used model is not optimal. The team is currently working with the tallyman to improve the trap.

Walter suggests monitoring the bears after their capture to follow their movement. Vincent answers that the monitoring of animals needs a specific permit, but that the possibility will be studied. Walter mentions that the monitoring could ensure that the same bears do not return to the site. Vincent thanks Walter for his input but emphasizes that no bears have been seen in the area. This option will still be looked at.

Anderson asks if the bear traps have battery-operating doors. Vincent answers that they do not, but that they should for safety reasons. Anderson mentions that other sites use battery operated bear traps to protect their employees. Vincent thanks Anderson for the suggestion.

Share Closure Plan for community review: In progress

Vincent continues by mentioning that the Closure Plan is only available in French for the moment. Since the document contains very technical and precise elements, he mentions that a summary will be prepared and could be presented at the symposium. Anderson then asks if copies could be distributed to the community so people can consult it and come back with questions later. Vincent agrees and mentions that the presentation does not have to be a PowerPoint, it could rather be a one-pager. Tina adds that a QR code could also be used to refer community members to the website and the relevant information. Anderson continues by saying that other companies have used USB keys containing the relevant documents on them. Vincent acknowledges the suggest and mentions that it will be looked at.

Aurora then asks if the symposium will be for the whole community. Vincent answers that it will indeed be for everyone. Anderson asks if the symposium will be one (1) or two (2) days. Tanya adds that depending on the number of presentations, three (3) days would be preferable. Anderson continues by mentioning that the event should be held in the evening to help working people attend. He also thinks that food should be served. Tanya also adds that a mix of presentations and information booths similar to the format used at the Québec Mine conference should be used to provide various types of presentations. Vincent agrees with the suggestion. Matthew then mentions that simultaneous translation should be used, if possible, to which Vincent answers that it will be possible. Tanya adds that Nemaska has the necessary technology. Vincent thanks Matthew and Tanya and mentions that if the community wishes simultaneous translation, it will be organized. Isaac then suggests that the topic be brought up at the next meeting, to plan the event. It is agreed.

Share plant species tested by the University of Sherbrooke (revegetation study): Done

It is mentioned that the topic is on the agenda and will be addressed later in the meeting

Item #4. Environmental updates and feedback from the field

The domestic wastewater treatment system is presented by Vincent, who mentions that the system has had a few hiccups recently. Due to the ongoing adjustments, the discharge will no longer pour into Lake 31 and will be contained in a tanker until it meets regulatory standards. He continues by mentioning that two (2) technicians specialized in water treatment are now working onsite to operate the treatment system. The supplier used to monitor the system remotely, but they could see the limit of this way of working.

Aurora asks what the maximum capacity of the thank is. Vincent answers that the tank has a capacity of 28 000 L. A back truck is emptying it every two (2) weeks. A pump is also available if necessary. The prior problem has been identified. A team is currently fixing the pipe.

Tanya asks if the presence of technicians onsite is a long-term solution. Vincent answers that for now, it is and that an action plan has being prepared by the technicians. The water is tested every day to make sure the system is working well. Tanya continues by asking if the technician position could be available for a Cree member of the community. Vincent answers that NLI currently has a contract with Nordikeau. He adds that Denis has met with the community's public service department, however, they did not have the necessary staffing. Tanya asks if a company in Nemaska could eventually have the opportunity to do this work. Vincent confirms that it could be a possibility, since NLI has a local purchasing policy encouraging this kind of partnership. Tanya suggests that a person from the community is hired by Nordikeau for onsite training. Vincent mentions that it is a possibility. Currently, there was an emergency that made it hard to implement the local purchasing policy. However, in the future, it will be considered.

Anderson mentions that at a previous job of his, the mine reused treated domestic water for its mining activities. Vincent mentions that this is an option.

Item #5. Revegetation project from the Université de Sherbrooke

Vincent presents the different plant species that are being tested including Labrador Tea, Sweet Gale, Jack Pine, White Birch, and Balsam Poplar. Labrador Tea, Sweet Gale and Jack Pine have the most promising results. Walter confirms that those species grow easily in the area. He continues by mentioning that a forest fire occurred a few years ago and from that fire, White Birch and Jack Pine have grown.

Vincent adds that the researchers are also looking to reduce the amount of transportation needed for the revegetation. Usually, the process needs a lot of dirt being transported, which causes significant greenhouse gas emissions. Vincent continues by saying that the researcher, Sebastien Roy, will be presenting his project at the symposium.

Anderson mentions that a similar study has been made by another mining company, using a waste truck. It could be interesting to share the results. Vincent thanks Anderson and mentions he will discuss the topic with Sebastien Roy.

Matthew adds that his team is open to working with the university research team. It was supposed to be done last summer but a shortage of manpower made it impossible. He mentions that solutions will be put in place for next year. Vincent answers that the next three (3) years of funding are planned even if Cree participation is more difficult than hoped. Also, Silas will be able to help engage people in the program and the symposium presentation will also likely interest people.

Item #6. Wildlife Monitoring (Tallyman Request)

Vincent explains the wildlife monitoring table (available in Appendix 1). The third column indicates the monitoring required throughout the mine's lifetime.

Fishes

Every three years, fish will be caught to test the presence of heavy metals in the flesh. Vincent mentions that NLI's activities are not likely to cause heavy metal contamination, however, the monitoring will be done to meet regulatory requirements. He continues by mentioning that NLI is working on a compensation plan. The habitat is also monitored to enable revitalization.

Anderson asks in which lake will the fish be taken from. Vincent answers that it will be done in every lake located on the company's property, same as for the project's Impact Assessment.

The benthic specie monitoring in the Nemiscau river will also be made. Aurora asks why there is no specific sturgeon monitoring, to which Vincent answers that he will verify. He thinks that it may be because no sturgeons were caught previously and therefore the specie is not present in the area. Walter confirms that there is no sturgeon in the area. Vincent thanks Walter for his input and he will verify the information for the next meeting. Walter continues by asking if the fish will be tagged during the monitoring work to track their movements, as is often done. Vincent answers that NLI's project is a localized project and should not affect the ecosystem in a way that warrants fish tracking. The team is using a different approach by catching the fish and releasing them after

analyzing individual and fish population health. Walter continues by saying that the movements are important to track to know where the food sources are located.

Bats

Visual counts were made for the last two (2) years, showing a reduction in the bat populations in the area. A monitoring of the bat echolocations will be done to determine if this is a trend. While bats were visually identified, they do not use the bat maternity near the site.

Birds

Visual counts are made daily to monitor endangered species and migratory birds near the mine. At Spodumene Lake, the monitoring is made twice a year.

Micromammals

Vincent explains that the micromammal monitoring will be done every two years. Tanya then asks if the monitoring is site only or if it covers the surrounding area. Denis answers that the monitoring is flexible. For the moment, it is only planned on-site since the current monitoring requirements are not the same as for the Impact Assessment. Vincent adds that NLI is open to doing more than the minimum required. He adds that the inventory maps showing where they will be undertaken will be shown at the next meeting. Walter adds that he would also like to discuss fish population health, which the members agree too. Vincent asks him if he spoke with Hydro-Quebec's team about his concerns. Walter answers that he only spoke with Neskimau, and that he sends his fishing results to the monitoring committee.

Amphibian and Reptiles

The monitoring will be made every two years. No questions are asked.

Benthic organisms

The monitoring will be made annually at the mine effluent in the Nemiscau River. No questions are asked.

Mammals

The monitoring will be made daily through direct and indirect observations.

Anderson asks, in general, in what season is the monitoring done. Vincent answers that he will check, since there is a lot of wildlife monitoring undertaken.

Aurora asks if the wildlife reports will be shared with the committee. Vincent answers that an annual report will be shared with the COMEX and that the report will also be available on the Teams channel. Laurianne will make sure that Aurora has access to the channel.

Anna leaves the meeting due to other obligations.

Item #7. Update on permitting and regulatory affairs

Vincent presents the permitting and regulatory oversight for the Whabouchi Project (Appendix 1). A

total of four (4) organizations have environmental oversight responsibilities in the Eeyou Itschee region, namely the COMEX, the federal Impact Assessment Agency, the Quebec Ministry of the Environment, Fight against Climate Change and the Eeyou Istchee James Bay Regional Government. Vincent continues by showing the mining site's layout and its surrounding and the project's timeline (Appendix 1).

Tanya asks why NLI plans to build an expansion to the construction camp and then build a permanent camp. Denis answers that the expansion will be used by the construction workers that build the permanent camp. He continues by saying that the permanent camp construction was planned over a longer period in order to use fewer workers, as it is cheaper and safer.

Walter asks if the workers from Nemaska will be able to stay at the camp. Denis answers positively, as it will help with employee integration and create a sense of belonging in the team. Moreover, the travel between the mine site and the village can be dangerous after long shifts. For safety reasons, the workers will be encouraged to stay at the camp.

Vincent continues by presenting the permits issued and in process. He also presents the documents that were filed with the regulators. The links available in the PowerPoint presentation will also be sent by email to the members.

Finally, Vincent explains the next steps in term of permitting. He briefly provides information about the modifications that will be made to the ore processing plant, more specifically to the crushing circuit. He mentions that the permit application for the modification of the crushing circuit is under preparation and an English summary of the application will be shared with the EC members for comments. He also mentions that the permit application for the water treatment unit for the BC-10 basin is under preparation and will follow the same path.

Vincent mentions that each change to the project requires permitting updates and a review of the local impacts. Walter asks if the permitting process generates costs for the company. Denis answers that administrative costs are included in the permitting process.

Tanya suggests that Vincent and Denis present NLI's new logo. Vincent explains the meaning of the two circles that come together, which represent the north and the south united in the same project while also representing the energy transition and circular economy that are integral to the project.

Item #8. Summary of actions

The actions are the following:

Discuss the symposium planning	All members
Send a Doodle for the symposium event	LF
Verify the presence of sturgeon in the mine area	VP
Present the wildlife inventory maps	VP
Discuss fish population health	All members
Verify at what time of the year monitoring is done	VP
Give access to the team channel to Aurora Maria Hernandez	VP
Send the permit links to the members by email	LF and VP

Item #9. Next Meeting

It is agreed that the symposium will be held in March. The next committee meeting will be in early February. Members are open to holding the meeting in Nemaska or in Montreal. A full day will be scheduled to discuss the symposium's planning.

Environmental Committee

Hybrid Meeting

Gatineau and Virtual Meeting

Nemaska Lithium

Meeting Agenda

1. Opening
2. Proposed Meeting Agenda
3. Approval of the previous Meeting Minutes
4. Previous Meeting Follow-Ups
5. Environmental Updates et Feedback from the Field
6. **Discussion**: Plants Tested by the Université de Sherbrooke Team
7. **Discussion**: Wildlife Monitoring Efforts (Tallyman Request)
8. Update on Permitting and Regulatory Affairs
9. Summary of Actions
10. Next Meeting
11. End of the Meeting

Opening

Nemaska Lithium

EC Members & Alternates

Cree Members

Walter Jolly, Councillor at Cree Nation of Nemaska
Anderson Jolly (alternate), Council Member - Cree Nation of Nemaska
Anna Krupa, Environmental analyst at the Cree Nation Government (interim)

Transfert Environnement et Société

Isaac Gauthier, Facilitator
Laurianne Francoeur, Notetaker

Nemaska Lithium Members

Vincent Perron, Senior Director – Environment and Stakeholder Relations
Denis Isabel, VP – Sustainable Development

Approval of Previous Meeting Minutes

Minutes of October 25th 2022

Nemaska Lithium

Previous Meeting Follow-Ups

ITEMS	ACTIONS	STATUS
1	Send survey to determine environmental symposium date in March	In Progress
2	Share Vincent and Denis' contact information with Anderson Jolly	Done
3	Organize a site visit with Matthew Tanoush	Done
4	Present details about the construction of the permanent camp, including water discharge	In Progress
5	Bear management at the mine site – Improve bear trap device	In progress
6	Share closing plan for community review	In progress
7	Share plant species tested by the University of Sherbrooke (revegatation study)	Done – Will be presented today

Environmental Updates et Feedback from the Field

- **Domestic wastewater treatment system**

  - ✓ Non-compliance of the effluent based on November monitoring results
  - ✓ Effluent is now contained in a tanker untill it meets the regulatory standards
  - ✓ Action plan developed by experts and mobilization of technicians specialized in water treatment on each rotation (Nordikeau)
  - ✓ Notification of Regulatory Agencies

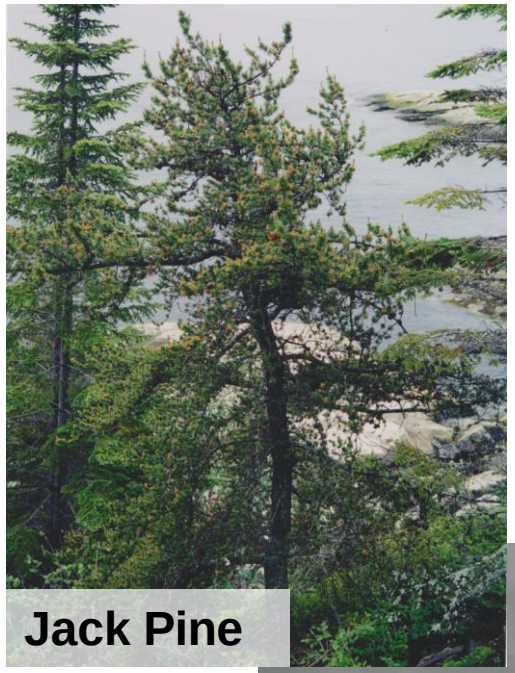
MABAREX

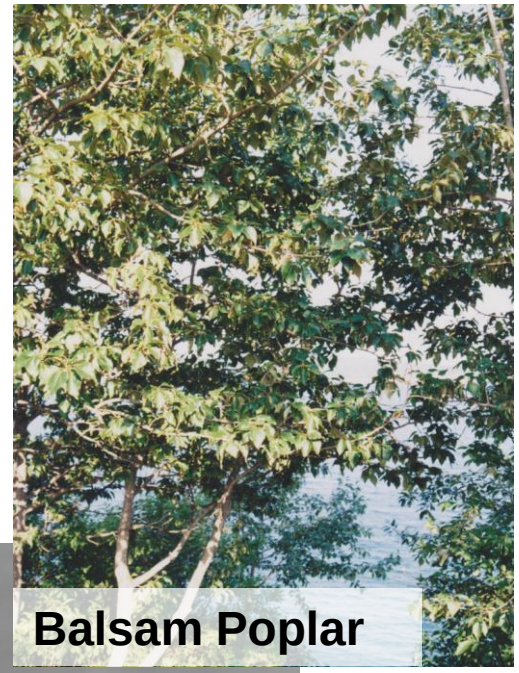
NORDIKEAU
La vie à l'état pur

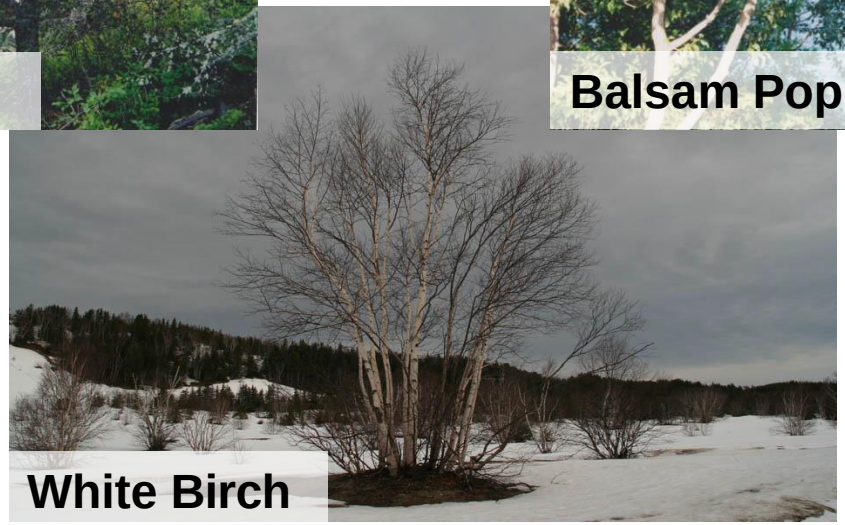
Revegetation Project (UdS): Plant Species

Labrador Tea

Sweet Gale


Jack Pine


Balsam Poplar


White Birch

Wildlife Monitoring Effort (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Fish • Walleye • Brook Trout • Northern Pike • Lake Whitefish • Others	☑ Fish inventory in every lake, stream and river on and around the mining site ☑ Inventory of fish habitats (spawning sites, nursery, etc.)	☑ Three-yearly monitoring of heavy metals in fish flesh (Walleye, Lake Whitefish, Northern Pike) ☑ Monitoring of spawning sites for Walleye and Brook Trout ☑ Monitoring of fish population in lakes 2, 27 and 28 ☑ Multi-year monitoring of fish habitat compensation projects
Bats	☑ Bat inventory on and around the mine property	☑ Monitoring of the Spodumene Lake bat maternity
Birds	☑ Bird inventory on and around the mine property	☑ Two-yearly monitoring of bird populations in the Spodumene Lake Peatland ☑ Daily monitoring of migratory birds / endangered bird species at the mine site (register)
Micromammals • Voles • Mice	☑ Micromammal inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Amphibians & Reptiles • Snakes • Frogs and Salamanders	☑ Amphibian and reptile inventory on and around the mine property	☑ Two-yearly monitoring of micromammals population in the Spodumene Lake Peatland
Benthic organisms • Insects • Crustaceans	☑ Benthos inventory in lakes 1, 2, 3 and Spodumene Lake	☑ Annual monitoring of the benthic organisms at the mine effluent in the Nemiscau River

Wildlife Monitoring Effort (Tallyman Request)

Animal	Environmental and Social Impact Assessment (ESIA) (Undertaken Monitoring)	Environmental and Social Monitoring Program (ESMP) (Monitoring Over the Lifespan of the Mine)
Mammals • Bear • Wolf • Moose • Fox • Woodland Caribou • Beaver • Squirrel • Snowshoe Hare • American Marten • River Otter • Mink • Etc.	☑ Aerial inventory (10 km radius around the mine site) ☑ Ground observations ☑ Ground inventory	☑ Daily monitoring of wildlife at the mine site (direct and indirect observations)

Update on Permitting and Regulatory Affairs

la Convention de la Baie James et du Nord québécois
Comité d'examen des répercussions sur l'environnement et le milieu social

Environnement et Lutte contre les changements climatiques
Québec

Gouvernement régional d'Eeyou Istchee Baie-James
Eeyou Istchee James Bay Regional Government

Environmental and Social Impact Assessment (ESIA)

Certificate of Authorization (COMEX)

37 conditions

10 modification requests over the last 6 years

Decision Statement (IAAC)

++ conditions under 10 topics

Obligation to assess the impacts of the modifications made to the project

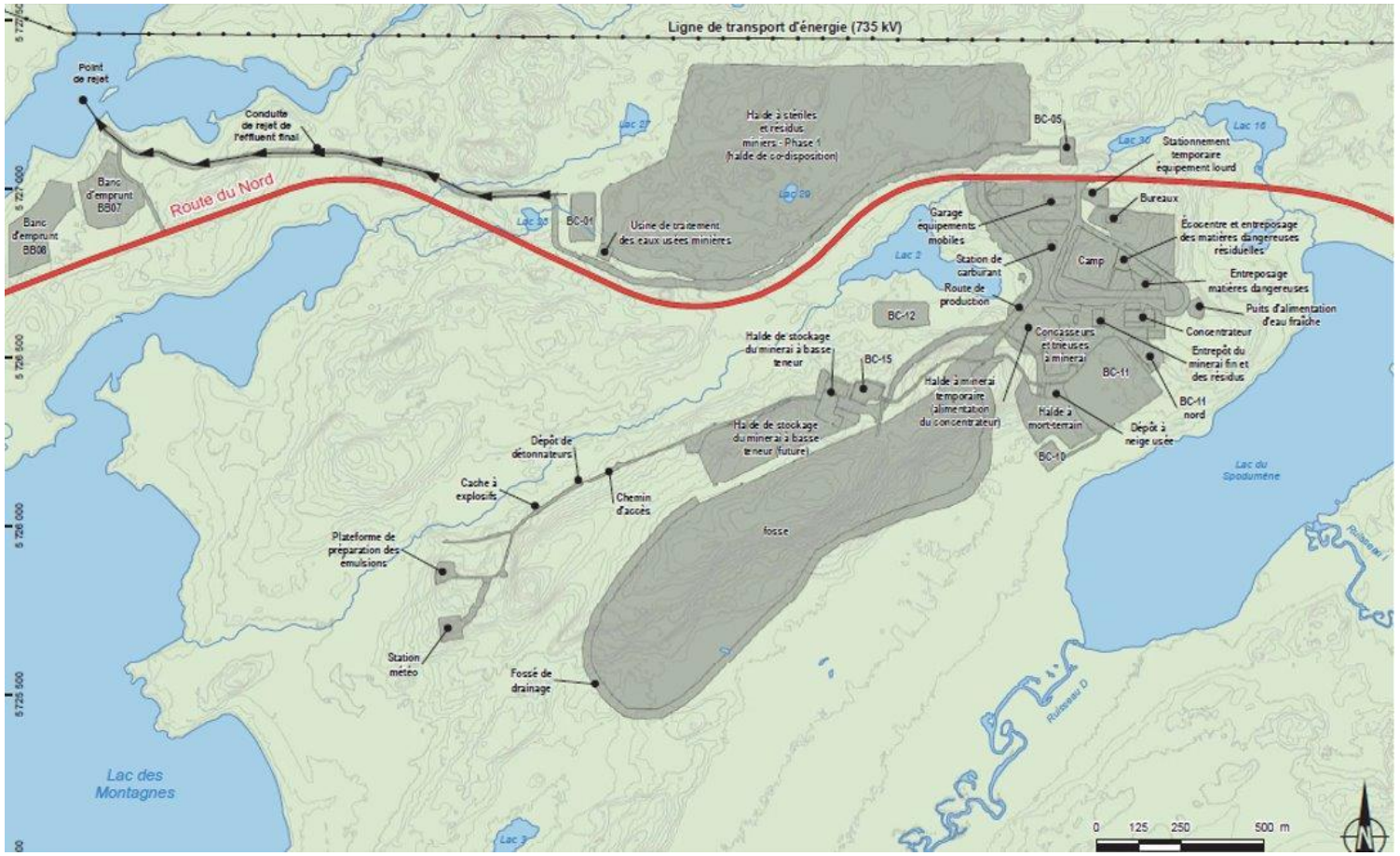
Main Authorizations Delivered:

- ✓ Site preparation
- ✓ Construction of an ore processing plant
- ✓ Exploitation of sand pits
- ✓ Installation of the final mining effluent pipe (Nemiscau River)
- ✓ Ground water withdrawal (mine pit dewatering)
- ✓ Operation of the Whabouchi mine
- ✓ Operation of a domestic water treatment plant

Main Permits Delivered:

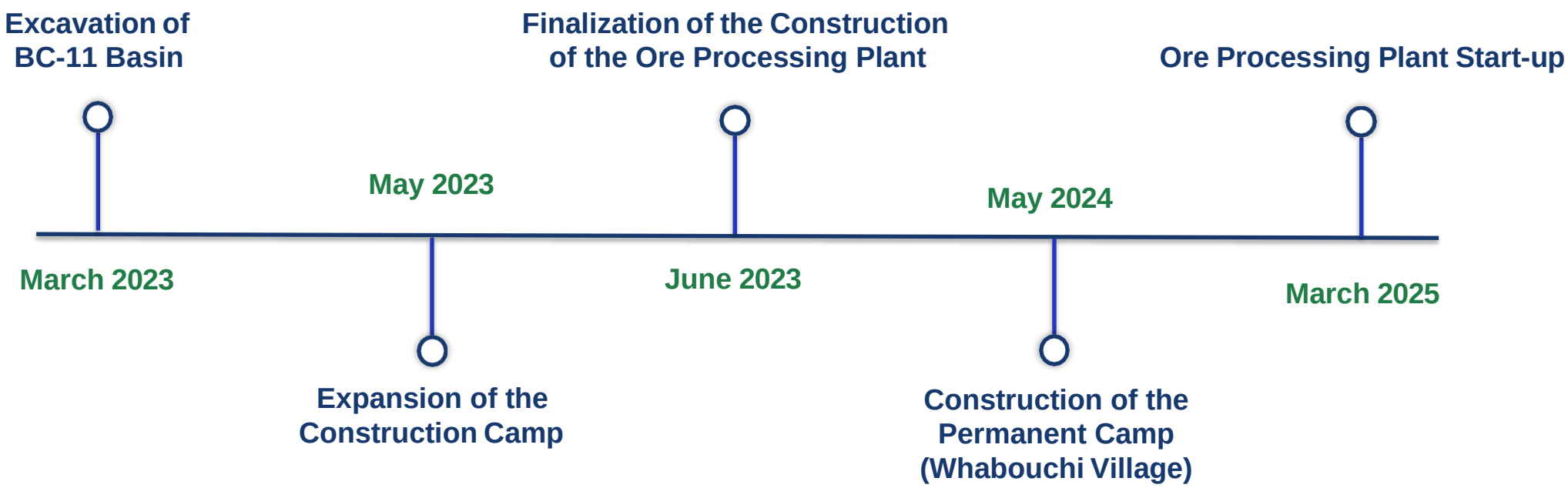
- ✓ Construction permits
- ✓ Fresh water network permit
- ✓ Domestic water network permit

Update on Permitting and Regulatory Affairs



Update on Permitting and Regulatory Affairs

Whabouchi Preliminary Schedule (starting dates)



Update on Permitting and Regulatory Affairs

PERMITS ISSUED

- No new permit issued since the last meeting

PERMITS IN PROCESS

- No new permit in process since the last meeting

REPORTS FILED WITH REGULATOR

- Annual report for the COMEX (results of the 2021 environmental and social monitoring program)
- Annual report for the IAAC
- Reports available here:
  COMEX - Annual Report
  IAAC - Annual Report

NEXT STEPS

- In the short term, prepare permit applications related to:
  - the expansion of the construction camp
  - the modification of the ore processing plant
  - the installation of a water treatment unit (BC-10 basin) to remove iron and suspend solids
- Other permit applications will be prepared in 2023

Nemaska Lithium

Economic Development Committee
Whabouchi Project – Nemaska Lithium

Charter Document – Approved Version
April 26th, 2022

Role

The Economic Development Committee (EDC) is intended as a direct and privileged exchange mechanism between the Cree Nation of Nemaska, the Cree Nation Government, and Nemaska Lithium with regards to the Whabouchi Project's business and economic development opportunities for the Cree, as highlighted in the Chinuchi Agreement (Chapter 6). Its aim is to provide opportunities for Cree Enterprises, particularly Nemaska Cree Enterprises and to encourage and facilitate the development of Cree Enterprises, at all phases of the project.

Mandate

The Committee's mandate is to provide recommendations to the WIC as to help:

- Provide business opportunities related to all phases of the Whabouchi Project for Cree Enterprises, particularly Nemaska Cree Enterprises, with an emphasis on sustainable contracts;
- Provide meaningful opportunities for qualified Cree Enterprises to participate in Nemaska Lithium's contract awarding processes, including its competitive tendering process, per Chapter 6 of the Chinuchi Agreement;
- Facilitate the creation, diversification, and development of qualified and competitive Cree Enterprises with respect to all phases of the Whabouchi Project.

Scope

Per the Chinuchi Agreement (Chapter 6), the Committee's scope covers the following topics related to the Whabouchi Project: Cree Enterprises, criteria for awarding contracts, Cree Enterprises list, planning for contracts to be awarded, competitive tendering process, priority negotiations with a qualified Nemaska Cree Enterprise or Cree Enterprise, direct negotiations, urgent contracts, reporting, and the Nemaska/Whabouchi Business Development Fund. Per the Agreement, the decision to outsource the supply of any goods or services and the carrying out of any work for the Whabouchi Project remains the prerogative and sole responsibility of Nemaska Lithium, always within the spirit of the Chinuchi Agreement. Additionally, the expression "Whabouchi Project" shall here include all business opportunities within the Eeyou Istchee James Bay Region, as stated in the Chinuchi Agreement (Chapter 6).

Composition

The Committee is comprised of six (6) members, with two (2) representatives from the Cree Nation of Nemaska, two (2) representatives from the Cree Nation Government, and two (2) representatives from Nemaska Lithium, with a quorum of four (4). The quorum is established at two (2) members from Nemaska Lithium, one (1) member from the Cree Nation of Nemaska and one (1) from the Cree Nation Government. The Cree Parties may use proxies to meet quorum, when needed. The committee is fully coordinated by Nemaska Lithium, with professional and independent facilitation, notetaking, and meeting support to be provided from external sources, when required.

Composition	Member
Nemaska Lithium	
Member #1	Pier-Luc Dubuc
Member #2	Vincent Perron
Cree Nation of Nemaska	
Member #1	TBD
Member #2	TBD

Cree Nation Government	
Member #1	TBD
Member #2	TBD

External observers working for the Cree Nation of Nemaska or the Cree Nation Government are welcome to participate in the meetings. Observers are allowed to participate in the EDC's discussions but are not allowed to vote on the Committee's decisions. External experts may also be brought in on an ad hoc basis, as needed, and per the EDC's approval.

Potential Topics to be covered by the EDC

The following topics are part of a non-exhaustive list of issues that the Committee could address during its meetings:

- Project Overview and Updates
- General and detailed knowledge of Nemaska Lithium's procurement and business development plans, requirements, and related activities
- Issues related to procurement and business opportunities, and impact management related to the different issues
- Links between the Training and Employment Committee (TEC) and the EDC to ensure cooperation and coordination on both topics
- List of Cree Enterprises to be provided to Nemaska Lithium
- List of Nemaska Lithium's annual supply needs and contracts
- Tendering processes (competitive, priority negotiations with Cree Enterprises, direct negotiations)
- Criteria for evaluating bids, including from Cree suppliers
- Identification and development of business opportunities for the Cree community of Nemaska
- Urgent contracts process
- Business Development Fund

EDC Operating Rules

The Committee's operating rules align with the relevant articles under Chapter 6 and Chapter 10 of the Chinuchi Agreement, while remaining sufficiently flexible to accommodate the EDC's potentially evolving requirements. Their purpose is to encourage dialogue among members, while respecting the Committee's mandate, responsibilities, and the spirit of the Chinuchi Agreement:

- The EDC acts under the supervision of the WIC, in the sense that it is a recommending body to help guide the WIC in its decision-making;
- Committee decisions are made by consensus, which is achieved by either unanimity or majority decision, per the minimum quorum of four (4);
- Parties are held to the decisions made by consensus within the EDC, while majority decisions are not binding to opposing parties;
- Committee members can be replaced at the discretion of the party that appointed them or upon the WIC's recommendation;
- During meetings, Committee members, coordinators, observers and invited experts strive to promote honest, respectful and courteous dialogue in good faith;
- Committee members attest that their membership does not place them in a conflict of interest and that they agree with the Code of Ethics available in the Chinuchi Agreement;

- In the event of the appearance of an immediate conflict of interest, the relevant members should disclose it and withdraw from any decision on that topic. The disclosure should be duly noted in the meeting minutes;
- Information is shared with all EDC members in advance of the meetings;
- Nemaska Lithium will diligently provide information on issues raised by Committee members;
- The topics of discussion (agenda) are agreed upon in advance by the Committee. The agenda should clearly state what decisions the EDC is required to take;
- Members review the information before meetings, instead of reviewing information during meetings;
- Technical, summarized, and short documents are used as a basis for the EDC's discussions. Original and complete documents or reports are shared with the Committee members to ensure transparency;
- Nemaska Lithium is responsible for the logistics and expenses of the Committee's meetings;
- The Committee may designate a chairperson on an ad hoc basis; however, members retain the right to speak at all times, either on their own behalf or on behalf of their respective organization;
- The Committee will meet quarterly plus special meetings, and per the availability of the information requested;
- Detailed minutes are taken after each meeting and sent to the committee members for review and approval;
- Meetings are held in Nemaska or online, unless otherwise agreed;
- At the end of the meeting, members are assigned clear tasks to complete with clear deliverable dates. These tasks are also identified in the meeting minutes;
- The Committee can improve and adapt its operating procedures as needed if the changes are adopted by consensus;
- Meeting adjournments are allowed until one (1) hour before a meeting. The adjourned meeting shall be rescheduled to the next available opportunity.

Training and Employment Committee
Whabouchi Project – Nemaska Lithium

Charter Document – Approved Version
April 26th, 2022

Role

The Training and Employment Committee (TEC) is intended as a direct and privileged exchange mechanism between the Cree Nation of Nemaska, the Cree Nation Government, and Nemaska Lithium with regards to the Whabouchi Project's training and employment opportunities for the Cree, as highlighted in the Chinuchi Agreement (Chapter 4). It aims to help develop a qualified and productive workforce and to promote the employment, integration, advancement, and retention of Crees at the Whabouchi Project.

Mandate

The Committee's mandate is to provide recommendations to the WIC as to help:

- Maximise the Cree proportion of Nemaska Lithium Inc.'s workforce;
- Encourage the hiring of members from the Nemaska R20 Family, Nemaska Crees and other Crees, in that order of preference;
- Ensure the cooperation of the different Parties in their respective training programs;
- Implement integration, advancement, and retention measures for the Cree proportion of the Mine's workforce;
- Develop recommendations for the management of the joint Training and Employment Fund.

Scope

Per the Chinuchi Agreement (Chapter 4), the Committee's scope covers the following topics related to the Whabouchi Project: cooperation in training programs, training programs of the Cree Parties, training programs and measures of Nemaska Lithium, joint training programs and measures, recruitment, cree employment objectives, integration, advancement, and retention, Nemaska/Whabouchi Training Fund,

Composition

The Committee is comprised of six (6) members, with two (2) representatives from the Cree Nation of Nemaska, two (2) representatives from the Cree Nation Government, and two (2) representatives from Nemaska Lithium, with a quorum of four (4). The quorum is established at two (2) members from Nemaska Lithium, one (1) member from the Cree Nation of Nemaska and one (1) from the Cree Nation Government. The Cree Parties may use proxies to meet quorum, when needed. The committee is fully coordinated by Nemaska Lithium, with professional and independent facilitation, notetaking, and meeting support to be provided from external sources, when required.

Composition	Member
Nemaska Lithium	
Member #1	Yuanne Desfossés
Member #2	Megan Todd
Cree Nation of Nemaska	
Member #1	Ruth Jolly
Member #2	Teddy Wapachee
Cree Nation Government	
Member #1	TBD
Member #2	TBD

External observers working for the Cree Nation of Nemaska or the Cree Nation Government are welcome to participate in the meetings. Observers are allowed to participate in the TEC's discussions but are not allowed to vote on the Committee's decisions. External experts may also be brought in on an ad hoc basis, as needed, and per the TEC's approval.

Potential Topics to be covered by the TEC

The following topics are part of a non-exhaustive list of issues that the Committee could address during its meetings:

- Project Overview and Updates
- General and detailed knowledge of Nemaska Lithium's workforce planning, requirements, and related activities
- Issues related to:
    - Education programs and vocational or technical training
    - Employment integration and diversification
    - Cultural awareness training
    - Communication on the mine site
    - Working conditions (Chapter 5 – Chinuchi Agreement)
    - Worker transportation
    - Cultural and bereavement breaks (Moose Break, Goose Break, family leave)
    - Camp access in emergency situations
    - Cree voting during elections and referendums
- Impact management related to the different issues
- Cree employment and workforce objectives at Nemaska Lithium Inc.
- Nemaska and Cree training programs
- Integration, advancement, and retention measures
- Nemaska/Whabouchi Training and Employment Fund
- Employee communications

TEC Operating Rules

The Committee's operating rules align with the relevant articles under Chapter 4, Chapter 5, and Chapter 10 of the Chinuchi Agreement, while remaining sufficiently flexible to accommodate the TEC's potentially evolving requirements. Their purpose is to encourage dialogue among members, while respecting the Committee's mandate, responsibilities, and the spirit of the Chinuchi Agreement:

- The TEC acts under the supervision of the WIC, in the sense that it is a recommending body to help guide the WIC in its decision-making;
- Committee decisions are made by consensus, which is achieved by either unanimity or majority decision, per the minimum quorum of four (4);
- Parties are held to the decisions made by consensus within the TEC, while majority decisions are not binding to opposing parties;
- Committee members can be replaced at the discretion of the party that appointed them or upon the WIC's recommendation;
- During meetings, Committee members, coordinators, observers and invited experts strive to promote honest, respectful and courteous dialogue in good faith;
- Committee members attest that their membership does not place them in a conflict of interest and that they agree with the Code of Ethics available in the Chinuchi Agreement;

- In the event of the appearance of an immediate conflict of interest, the relevant members should disclose it and withdraw from any decision on that topic. The disclosure should be duly noted in the meeting minutes;
- Information is shared with all TEC members in advance of the meetings;
- Nemaska Lithium will diligently provide information on issues raised by Committee members;
- The topics of discussion (agenda) are agreed upon in advance by the Committee. The agenda should clearly state what decisions the TEC is required to take;
- Members review the information before meetings, instead of reviewing information during meetings;
- Technical, summarized, and short documents are used as a basis for the TEC's discussions. Original and complete documents or reports are shared with the Committee members to ensure transparency;
- Nemaska Lithium is responsible for the logistics and expenses of the Committee's meetings;
- The Committee may designate a chairperson on an ad hoc basis; however, members retain the right to speak at all times, either on their own behalf or on behalf of their respective organization;
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- The Committee can improve and adapt its operating procedures as needed if the changes are adopted by consensus;
- Meeting adjournments are allowed until one (1) hour before a meeting. The adjourned meeting shall be rescheduled to the next available opportunity.

Whabouchi mine
Environmental and social monitoring
2022

Cree involvement in monitoring (NMX H6)

By Nemaska Lithium Inc.

April 2023

Cree involvement in monitoring – PSES 2022

The Crees have been involved in the various environmental monitoring carried out by Nemaska Resources in 2022 are identified in the presentation of the work teams in each of the monitoring reports.

In the summer and fall of 2022, a member of the Cree community of Nemaska joined each of the work teams. Mr. Jacob Weistchee from the Cree community of Nemaska participated in the floristic monitoring of the ponds of the Lac du Spodumène peat bog on July 23 and 24, 2022. He also participated in the groundwater sampling campaign from June 3 to 5, 2022 and the one that took place from July 29 to August 2, 2022. Mr. Dominic Swallow of the Cree community of Nemaska also participated in groundwater monitoring during these two periods. Mr. Wayne-Billy Joly from the Cree community of Nemaska participated in the hydrological monitoring from June 1 to 3, 2022 and from July 28 to 29, 2022. Finally, Mr. Reekee House from the Cree community of Nemaska participated in the campaigns surface water monitoring sampling which took place from June 1 to 4, 2022 and from July 28 to 31, 2022.

Communication with the *Environment Committee* (EC), the *Whabouchi Implementation Committee* (WIC) and the *Training and Employment Committee* (TEC)

The members of the WIC have met three times in 2022, i.e. on January 26, April 26 and October 26. It was also planned to hold a WIC meeting in September 2022, but due to lack of availability of members, the meeting was cancelled.

It is important to note that two other committees were officially formed at the WIC meeting of January 26, 2022, i.e. the TEC and the Economic Development Committee (EDC). At the WIC meeting of April 26, 2022, the TEC and EDC charters were adopted. These are attached to this document. The position of Cree liaison officer was also discussed during this meeting. During the WIC meeting of October 26, 2022, the representatives of the Cree community of Nemaska, the Cree Nation Government and Nemaska Lithium who will sit on the TEC and the EDC were officially appointed. The Nemaska Community Cree Liaison Officer was also introduced to WIC members during this meeting.

A meeting of the TEC took place on December 13, 2022. During this meeting, the charter of the committee was discussed. All members also had the opportunity to express their expectations of the Committee.

As for the EC, the members met four times during the year 2022, on March 9, June 2, October 25 and December 14. During these meetings (the minutes of meeting are attached to this document), several topics related to the environment were discussed among the members of the committee. In particular, the planning of the environmental and social monitoring for the year 2022, the results of the environmental and social monitoring carried out in 2021, the planning of future permit applications, the environmental issues encountered at the mine, the events occurred, etc. The presentations of the EC are annexed to the reports mentioned above.

It is important to note that only the reports of the EC are public. The minutes of the other committees are of a confidential nature, as agreed between the members of these committees.

Appendix 4
Implementation schedule for the various Whabouchi project biophysical and human environment monitoring

Figure 2.2 Calendrier de mise en oeuvre des différents suivis du milieu biophysique du projet Whabouchi - Phase construction

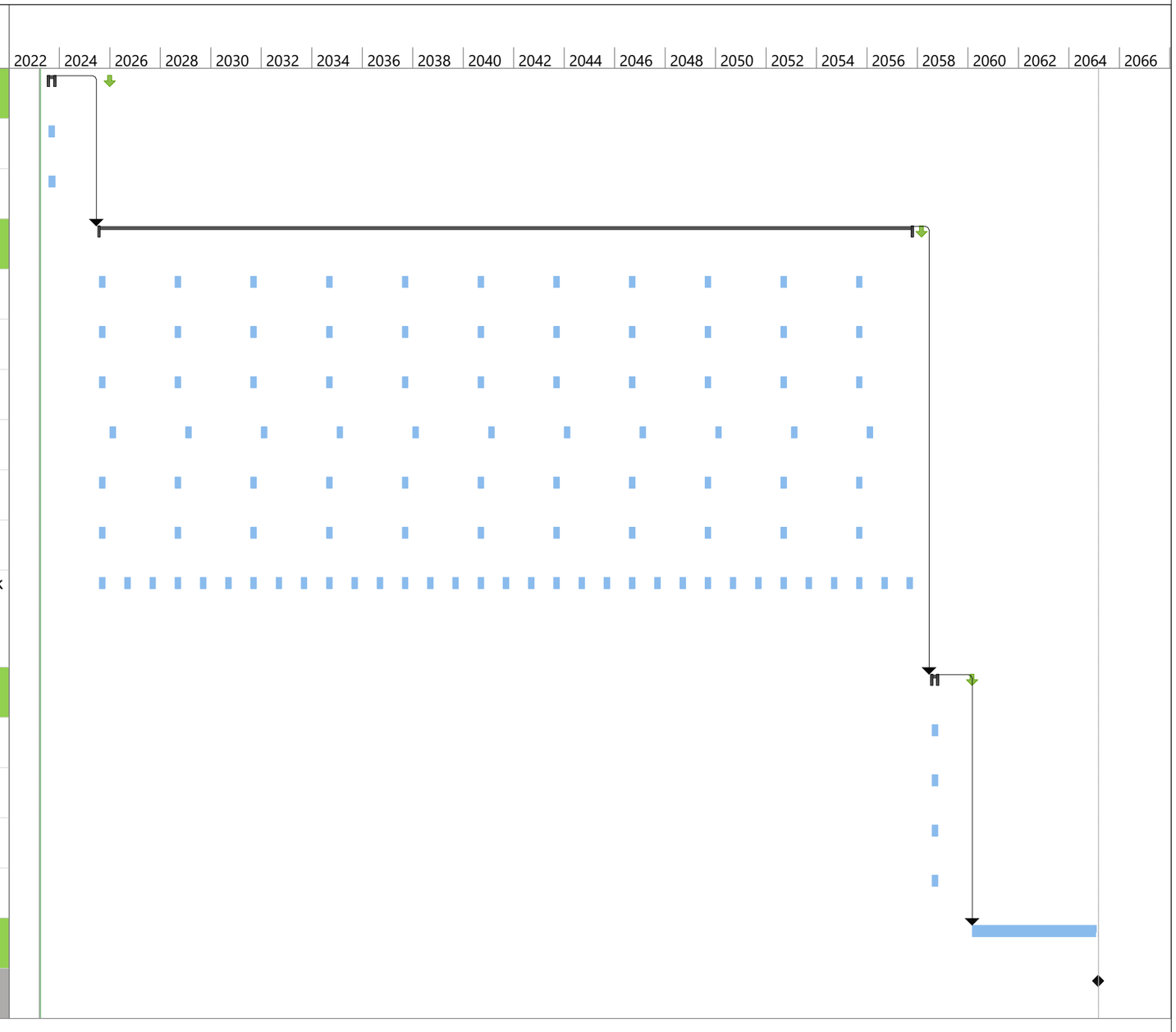
N°	N° hiérarc	Suivi	Nom de la tâche
1	**1**		**PHASE DE CONSTRUCTION**
2	**1.1**	**NLI P1**	**Air ambiant et émissions atmosphériques (NLI P1)**
3	1.1.1		PTS et PM 2,5 (1/6jrs, sur 24hrs)
121	1.1.2		Poussières (1/mois, exposition 30jrs)
145	1.1.3		Bilan annuel GES
148	**1.2**	**NLI P2**	**Vibrations et niveau sonore (NLI P2)**
149	1.2.1		Vibrations (lors des opérations de sautage)
150	1.2.2		Niveau sonore (aux 3 mois, sur 24hrs)
159	**1.3**	**NLI P3**	**Eau de surface (NLI P3A, P3B et P3C)**
160	1.3.1		Lac des Montagnes, lacs 1, 2, 18, 28 et lac du Spodumène et ruisseaux C, D et sans nom (4/an)
169	1.3.2		Échantillonnage additionnel Lac des Montagnes (mensuel, juin à nov)
172	**1.4**	**NLI P6**	**Météorologie et climat (NLI P6A et P6B)**
173	1.4.1		Suivi météo (suivi horaire à la station météo, niveau neige 1/sem.)
174	**1.5**	**NLI P7**	**Hydrologie (NLI P7)**
175	1.5.1		Niveau d'eau des lacs 2, 27, 28, des Montagnes et du Spodumène en continu
176	**1.5.2**		**Débit, vitesse d'écoulement et profondeur d'eau - Rivières Némiscau, C, D et G**
185	**1.6**	**NLI P8**	**Eaux souterraines (NLI P8A)**
186	1.6.1		Qualité et niveau de l'eau autour aménagements à risque (mai et août)
191	1.6.2		Niveaux d'eau autour de la fosse et dans la tourbière (mai et août)
196	**1.7**	**NLI B2**	**Métaux dans la chair et le foie des poissons des lacs des Montagnes et du Spodumène et de la rivière Nemiscau (NLI B2)**
197	1.7.1		Métaux poissons (aux 3 ans, 1 fois en construction)
198	**1.8**	**NLI B7**	**Fonctions hydrol., écol. et tourbière du lac du Spodumène et de son marécage (NLI B7A à B7D)**
199	1.8.1		Débit sortant du marécage en aval du lac du Spodumène (mai et août)
204	1.8.2		Évolution de la couverture de mares (survol annuel de drône en mai, 1 campagne estivale biennale)
208	1.8.3		Profondeur de la nappe phréatique dans les secteurs minérotrophes et ombrotrophes
209	1.8.4		Flore (1 campagne estivale biennale)
211	1.8.5		Avifaune (mi-juin à mi-juil, biennal)
213	1.8.6		Herpétofaune (fin mai-juin, biennal)
215	1.8.7		Micromammifères (début sept, biennal)
217	**1.9**	**NLI B8**	**Chiroptères (NLI B8)**
218	1.9.1		La confirmation de la présence (ou l'absence) des espèces de chauve-souris - Anabat
221	1.9.2		Suivi - Maternité de petite chauve-souris brune (mi-juin à juillet, mi-juillet à août)
224	**1.10**	**NLI B9**	**Espèces fauniques d'intérêt et observations fauniques opportunistes (NLI B9)**
225	1.10.1		Registre des observations - suivi en continu
226	1.10.2		Sensibilisation des employés à des interactions responsables avec la faune - en continu

Date : 23-03-30

Tâche	Récapitulatif du projet	Tâche manuelle	Début uniquement	Échéance
Fractionnement	Tâche inactive	Durée uniquement	Fin uniquement	Avancement
Jalon	Jalon inactif	Report récapitulatif manuel	Tâches externes	Progression manuelle
Récapitulative	Récapitulatif inactif	Récapitulatif manuel	Jalons externes	

Figure 2.5 Calendrier global de mise en oeuvre des différents suivi du milieu humain du projet Whabouchi

N°	N° hiérarc	Suivi	Nom de la tâche
1	**1**		**PHASE DE CONSTRUCTION**
2	1.1	NLI H3	Suivi du bien-être communautaire (NLI H3) - triennal
4	1.2		Implication des Cris dans la réalisation du suivi (NLI H6)
5	**2**		**PHASE D'EXPLOITATION**
6	2.1	NLI H1	Utilisation du territoire et des ressources (NLI H1) - triennal
18	2.2	NLI H2	Suivi des emplois et retombées économiques (NLI H2) - triennal
30	2.3	NLI H3	Suivi du bien-être communautaire (NLI H3) - triennal
42	2.4	NLI H4	Suivi du transport sur la Route du Nord (NLI H4) - triennal
54	2.5	NLI H5	Programmes de formation offerts aux Cris (NLI H5) - triennal
66	2.6	NLI H6	Implication des Cris dans la réalisation du suivi (NLI H6) - triennal
78	2.7	NLI H7	Suivi des engagements par rapport à l'arrêt des opérations durant le Goose Break (NLI H7) - annuel
112	**3**		**PHASE POSTEXPLOITATION**
113	3.1	NLI H1	Utilisation du territoire et des ressources (NLI H1) - triennal
115	3.2	NLI H2	Suivi des emplois et retombées économiques (NLI H2) - triennal
117	3.3	NLI H3	Suivi du bien-être communautaire (NLI H3) - triennal
119	3.4	NLI H5	Programmes de formation offerts aux Cris (NLI H5) - triennal
121	**4**		**PHASE POSTRESTAURATION**
122	5		Fin des activités



Date : 2023-03-30

Tâche	Récapitulatif du projet	Tâche manuelle	Début uniquement	Échéance
Fractionnement	Tâche inactive	Durée uniquement	Fin uniquement	Avancement
Jalon	Jalon inactif	Report récapitulatif manuel	Tâches externes	Progression manuelle
Récapitulative	Récapitulatif inactif	Récapitulatif manuel	Jalons externes	