

#### AGNICO EAGLE MINES Ltd. — UPPER BEAVER GOLD PROJECT

#### **COMMUNITY INFORMATION SESSION — SUMMARY MEETING REPORT**

June 17, 2023

	MEETING INFORMATION	
DATE	June 17, 2023	
TIME	9:30am – 12:30pm	
LOCATION	69 Fourth Avenue, Larder Lake	
NUMBER OF PARTICIPANTS	29 participants	
AGNICO EAGLE'S TEAM	<ul> <li>Marc Moffette, Project Development Director</li> <li>Sarah Morin, Superintendent, Sustainable Development</li> </ul>	<ul> <li>Casandra DeForge, Environmental Coordinator</li> <li>Amy Danchuk, Community Relations Coordinator</li> <li>Sébastien Jacques, Community Relations Counselor</li> </ul>
CONSULTANTS	<ul> <li>Sheila Daniel, WSP</li> <li>Mark Ruthven, WSP</li> <li>Megan Hazell, WSP</li> <li>Jason Plamondon, Story Environmental</li> </ul>	<ul> <li>Isaac Gauthier, Transfer Environment &amp; Society</li> <li>Roxanne Breton, Transfer Environment &amp; Society</li> </ul>
OBJECTIVE	<ul> <li>Upper Beaver Gold Project and point</li> <li>Learn about the Project</li> <li>Learn about baseline information</li> <li>regulatory permits and a Share questions, knowlet</li> <li>Provide an opportunity for community for community</li> </ul>	and recent activities formation collected to support approvals edge, concerns, and ideas munity members to discuss directly with lved in Impact Statement preparation
MEETING HOLDER	Agnico Eagle Mines Ltd.	
AGENDA	<ol> <li>Meet and greet</li> <li>Presentation by Agnico Eagle</li> <li>Workshops/Discussions at Topic-S</li> </ol>	Specific Tables

### **MEETING REPORT**

The following Meeting Report summarizes the Community Information Session held by Agnico Eagle Mines Ltd. (hereafter Agnico Eagle) on June 17, 2023, regarding the Upper Beaver Gold Project (hereafter the Project).

#### 1. DESCRIPTION OF THE PUBLIC INFORMATION SESSION

This Information Session was divided into three (3) parts:

- 9:30am-10:00am: Meet-and-greet during which participants can circulate in the room and discuss directly with Agnico Eagle's representatives.
- 10:00am 10:30am: presentation by Agnico Eagle
- 10:30am 12:30pm: workshops and discussion period during which participants were invited to go to the topic-specific tables and discuss with Subject Matter Experts, as well as participate and share their knowledge and input at the interactive workshop on land use and potential alternate road access, boat launch and parking area.

### 1.1 Invitations and Attendance

Invitations were shared via various communication channels and included the following:

- Email: to over 150 recipients on Project email alert list, including Indigenous Nations, local Town Councils, Provincial and Federal authorities, identified non-profit organizations, landowners, and others.
- Postal Card: to over 4,500 homes in the local community and surrounding areas. The postal card also included a scannable QR code to the Project's online Community Survey for those who may not be able to attend the session but still wish to share their input and knowledge.
- Project website: <u>https://upperbeaver.agnicoeagle.com/</u>
- Radio: 20 x thirty-second commercials between 6am-6pm, 50 additional After-Hours commercials (evenings, overnights & weekends) which ran for a 7-day period, 2 weeks prior to the session (June 5<sup>th</sup> - 11<sup>th</sup>)

See example of an invitation in Appendix I.

In total, 29 people attended the Public Information Session which included local municipal Council members, Residents of Dobie, Larder Lake, Kirkland Lake and Virginiatown, Indigenous Nations, as well as landowners close to the Upper Beaver site.

#### **1.2 Presentation**

The presentation shared by Agnico Eagle during the Information Session covered the following topics:

- Welcome and overview of session objectives, engagement activities, online community survey, and summary of community feedback received to date
- > Explanation of topic-specific discussion tables and interactive workshop area
- Overview of the company and update on recent acquisitions
- History of the Upper Beaver Property
- Project Timeline

- Update on current Exploration activities and potential upcoming Advanced Exploration Program
- Description of the Upper Beaver Gold Project
- > Overview and update of the Federal Impact Assessment process and related baseline studies

See copy of presentation in Appendix II.

#### **1.3 Topic-Specific Tables**

The meeting room was set up with seven tables, each with a specific topic. Participants were invited to go to these tables before and after the presentation.

Agnico Eagle's representatives, consultants and baseline subject matter experts were available at the tables to speak directly with participants, provide information, answer questions, and gather comments. Various maps, figures and other tools were used to support discussions.

Here are the topics specific to each table:

- Table 1: General information about the Project (advanced exploration and proposed mine)
- > Table 2: Information about water quality, flows and elevations
- Table 3: Information about fish and fish habitat
- Table 4: Information about terrestrial environment
- Table 5: Information about Impact Assessment/Other baselines: air, noise, ambient light, socioeconomic
- Table 6: Interactive Workshop on Land Use
- > Table 7: Welcome and Community Feedback on event

#### **1.4 Information Documents**

The information documents shared with participants during the meeting included the following:

- Maps, aerial views, and figures (See Appendix III)
- Baseline study equipment
- Copies of 2022 Baseline Studies Overview booklet
- Employment information
- Community Survey Information

### **1.5 Event Evaluation Survey**

Participants were provided with a hard copy evaluation survey upon arrival to reflect on the questions throughout their time at the session. Participants were invited to complete and submit the survey before their departure to share their feedback about the Project and the Information Session.

A copy of the evaluation survey is available in Appendix IV. The results are presented in **Section 3** of this report.

### 2. TOPIC-SPECIFIC DISCUSSION SUMMARY

During the meet-and-greet and the discussion period, participants took the opportunity to discuss with Agnico Eagle's team and subject matter experts with regards to the following topics. The posters presented at each table are available in Appendix III.

The information gathered throughout discussions has been documented and will be considered in the Impact Assessment process.

### 2.1 Topic 1: Upper Beaver Gold Project General

Here are the main questions and comments shared regarding this topic:

QUESTIONS & COMMENTS (Q & C)	ANSWERS
Is monitoring planned for blast vibration?	Yes, there will be systematic monitoring of blasting operations for the project. We will record vibrations with a seismograph.
What is the difference between Advanced Exploration and the full mine and how will that affect the diversion of Ava Lake and isolation of York Lake?	The Advanced Exploration phase may include the development of an exploration shaft and ramp to access the ore underground for the collection of large (bulk) rock sample in different parts of the ore body. These bulk sample(s) are important, because it allows the company to assess different parameters that are required to support the project evaluation and to confirm its feasibility. The Advanced Exploration plans for no mill, no open pit, no diversion of water or use of dykes (Ava and York Lake are not affected), and no tailings storage facilities. All testing of the ore samples would be conducted offsite. The operational mine (full mine) is when the mining and processing of ore occur for commercial purposes. The site may include operation of a mill, storage of tailings on site, diversion of water (Ava Lake) and dewatering of York Lake for the open pit.
How big will the open pit be?	The pit has been designed to remove the stability concern related to historical workings. Its dimension will be approximately 100m depth and 300m in diameter. The pit would be in operation only for the first 4-5 years of the project, until the removal of the concerned area.
How will Agnico Eagle manage water with the pit excavation? And how will Agnico Eagle manage the connection from underground to York Lake, will this remain an issue after mine life?	During the mining operations, groundwater will naturally flow from the surrounding rock into the open pit and underground mine. In-pit pumping and underground pumping are planned to collect and manage this water so that mining can safely occur.
	Agnico Eagle will use paste backfill in the underground operations to fill openings from removing the rock. The backfill will make the underground area stronger than it currently is. This will remove the risk for future connection with York Lake.

QUESTIONS & COMMENTS (Q & C)	ANSWERS
	Water management and impacts on the environment will be thoroughly documented in the Impact Statement.
A participant mentioned being satisfied with the process, but feels it is important to participate at this type of event to ensure the project is well done.	
Does Agnico Eagle have a Closure Plan for its Advanced Exploration Project? What is the plan?	Agnico Eagle filed a Closure Plan with Ministry of Mines and has provided a financial guarantee for the estimated reclamation costs.
	The land restoration needs to meet the closure standards of the Rehabilitation Code of Ontario.
	At the closure, Agnico Eagle will reclaim all the remaining historical legacies. Agnico Eagle will also secure all openings to the surface, remove, or dismantle all buildings, infrastructure and equipment, remove all chemicals and hazardous material and revegetate the disturbed area.
	It is important to note that should the Project move to the production phase, Agnico Eagle will be required to submit a new closure plan related to the production phase and the final reclamation would not take place until after the life of mine.
What are the expected site conditions after the closure of the Upper Beaver Mine?	For the closure of the pit, engineering work will be required to confirm the best closure option, but Agnico Eagle's intent is to fill the open pit with water, remove the dykes, and bring back the flow in the natural pathway of the Misema River system once the water in the open pit is of good quality.

Topics raised for future discussions include the following:

- Interest about community benefits including employment and business opportunities
- Interest about cumulative effects from other local ore deposits (Upper Canada and McBean) and other potential mining properties in the area

### 2.2 Topic 2: Water Quality, Flows and Elevations

Here are the main questions and comments shared regarding this topic:

QUESTIONS & COMMENTS (Q & C)	ANSWERS
What about the impacts to groundwater and surface water levels and what is Agnico Eagle doing about it? How much water will be taken per day from Ava Lake?	Both surface water and groundwater impact assessments were completed to predict the potential impacts from the takings. These impact assessments were included with the Permit to Take Water (PTTW) applications for the Advanced Exploration program.
	The permitted water taking volumes are based on worst-case natural conditions (low flows / levels). Surface water takings from Ava Lake during advanced exploration are low (~4L/s).
	Agnico Eagle will monitor water levels in the local lakes, and if found will determine if the changes are mine related or natural. If activities are impacting the level/flow, mitigation measures would be put in place such as grouting, stopping water taking, or others. Same assessment will be done for the production phase during the Impact Statement Preparation.
Will there be a change in flow to the Misema River and to water levels in the lake upstream? Will there be times during construction when flow would be interrupted or be increased/decreased?	The channel diversions will be designed so the water level in Beaverhouse Lake will be retained within current levels, inclusive of natural fluctuations withing the Misema River System. There won't be any period when the flow will be stopped related to mining, construction, or other activities.
How long will it take for York Lake to recover its water levels and water quality such that it can be reconnected to the system. How would the lake filling be managed to make sure that water quality was acceptable?	Fill time varies depending on the fill method and how long the pit / lake remains isolated from the active system to make sure water quality criteria are met. These details have not been determined yet but will be provided in the Impact Statement.
What does Agnico Eagle do to prevent and deal with spills?	Agnico Eagle will develop a Spill and Contingency Plan prior to the starting of the activities. These plans will encompass risk assessments for any spill that could take place on site and come up with measures on how to prevent them before they happen. The Impact Statement will also document the management of potential accidents and malfunctions related to the mine's operation.

QUESTIONS & COMMENTS (Q & C)	ANSWERS
What will the effluent water quality be and how will the Misema River handle water from production?	All discharges of wastewater to the natural environment are regulated under the Ontario Water Resources Act and other legislation, and the management of wastewater needs to be approved by the Ministry of Environment, Conservation and Parks (MECP) to make sure the wastewater is treated when required and monitored.
	The water treatment design is done using information from the water balance and environmental baseline studies such as surface water quality, hydrology (the receiver flows), groundwater, water quality and hydrogeological studies (which are completed to predict the amount of water that will need to be dewatered from the mine workings.
	The water treatment plants will be designed to meet the effluent limits that are calculated based on the capacity of the receiver. The capacity of the receiver is determined through the completion of an assimilative capacity study. The objective is to ensure that the water quality is satisfactory for aquatic life and recreation.
	These assessments will be done during the Impact Statement preparation.

Points of interest or concerns on this topic discussed at the Interactive Workshop on land use include:

- One participant inquired about the impact of Misema water flow on the dam located south of Larder Lake.
- Few participants brought concerns about general water quality and protection, in addition to potential project impacts to water levels.

Related comments received via the event evaluation:

- Howard Lake-Beaverhouse-Misema River is a traditional canoe route still posted @ Esker Provincial Park. A good day trip - Howard Lake to Hwy 66 @ Fork Lake. Keep in mind as Dobie landing is a portage spot (which you are going to divert water flow).
- I appreciate that water treatment is part of the focused energy & studies. Please be more than prepared for any eventuality & have immediate response procedures in place as you'll be affecting a "large scale" river.

### Topic 3: Fish and Fish Habitat

The subject matter expert referred to fish compensation and offsetting to help facilitate this discussion.

Here are the main discussion points related to this topic:

Participants shared the following information with our Fish and Fish Habitat subject matter expert:

- Several participants expressed interest in whether changes to fisheries (Misema River or adjacent lakes) would result from the Project and most commented on the introduction of brown bullhead to the system.
- Several participants provided comments on the decline of walleye numbers over time, and some participants felt it was the introduction of brown bullhead and predation on eggs causing the decline.
- One participant mentioned that Rainbow Trout have been captured in Misema Creek downstream (south) of Highway 66.
- One participant noted they feel as though Sturgeon are present in Beaverhouse Lake. Several other participants were asked if they had any observations of sturgeon in Beaverhouse or Howard Lake and none of the other participants suggested the presence of Sturgeon.
- Concern about changing the location of the Misema River and impacts on fish.

Some mitigation measures were also shared by participants:

- A few participants suggested the removal of brown bullhead from the system to reduce predation on walleye and suggested targeting brown bullhead spawning aggregations. Also related to the walleye, it was suggested to look at opportunities to increase walleye production, possibly spawning area enhancements. Participants identified existing spawning locations on the map.
- One participant suggested moving tailings area further away from the lake and rivers.

Related comments received via the event evaluation:

- Consider improving fish spawning beds in the system from pickerel rapids at entrance north end Howard Lake and south end at Misema River Dobie landing.
- Other spawning areas were noted at the south-east creek coming into Kinabek Lake northeast of Beaverhouse Lake. Access to this area (Kinabek Lake) is very dependent on "water levels" being maintained - low water level means fish can't get into or out of this very small spawning area.
- > It is important to maintain the natural water levels in Beaverhouse Lake for recreation and fisheries.
- > Walleye numbers have declined and efforts to increase numbers would be good.
- Brown Bullhead ("catfish") were introduced into the lake several years ago and they are impacting the lake. Removing them would be a good thing.
- Some people harvest baitfish so project should consider them.

### **Topic 4: Terrestrial Environment**

Here are the main questions and comments shared at this table:

QUESTIONS & COMMENTS (Q & C)	ANSWERS
Two participants shared their concern regarding the Eastern Cougar. Both participants identified the location of their personal cougar sightings, as well as locations where they believe to have observed cougar tracks in the area.	It was confirmed that the concern raised by landowners related to the Cougar had been previously shared to the Impact Assessment experts by the Agnico Eagle team. The consultant discussed wildlife surveys (including those for Species at Risk) and the results of those surveys to date (see poster "Terrestrial – Significance Screening" in Appendix III). The Endangered Species Act (ESA) also serves as a tool for mitigation and compensation for species at risk (SAR) and their habitats to ensure that the SAR that occur in the area
	will continue to have suitable habitats to use in the future.
Two participants had questions and concerns about impacts to wetlands as well as Black Ash (which are Species at Risk) as well as other SAR such as birds and bats.	Provincial (Ministry of Natural Resources and Forestry, Ministry of Environment Climate and Parks) and federal (Environment and Climate Change Canada, Canadian Wildlife Service) have protocols for completing terrestrial, wildlife and Species at Risk surveys for plants, amphibians, reptiles, birds, bats, and large mammals such as moose and wolves. All surveys are undertaken in accordance with provincial and federal requirements. Each type of survey, plant, bird, bat, etc. have specific timing requirements. Desktop assessment and field investigation are made within the regional area of the project, to locate and identify each wetland as well as species at risk. There are different approaches to mitigate impacts to wetlands as well as species at risk such as timing windows, habitat restoration and creation as well as monitoring approaches were discussed.
	This will be further assessed during the Impact Statement preparation.
Two participants shared a location of a potential bat cave.	Throughout discussion and further investigation, this area has been preliminarily assessed by the onsite field biologists as inaccessible.
Interest from participant in having more information on baselines and acquiring copies of	Yes, all baselines report will be included in the Impact Statement Document.

QUESTIONS & COMMENTS (Q & C)	ANSWERS
the baseline reports. Will the information be made available?	

Other points of interest discussed were as follows:

- Discussion about Impact Assessment process.
- General discussion related to moose populations in Ontario, moose hunting and bear hunting.
- General discussion related to climate change (not specific to mine activities).
- Interest from participant to participate on environmental committee.

Some suggestions were brought forward by the consultant and discussed with participants and included the following:

- Idea to initiate a camera trap study in locations identified by participants as having Eastern Cougar observations. Cameras can be deployed with the help of locals who are interested in the Eastern Cougar.
- > Potential to assess the potential bat cave identified by the participant for ARU deployment.

These suggestions were shared to Agnico Eagle following the meeting to validate their feasibility.

### Topic 5: Federal Impact Assessment/Other Baselines (Air, Noise, Ambient Light, Socio-Economic)

Here are the main questions and comments shared at this table:

QUESTIONS & COMMENTS (Q & C)	ANSWERS
Where will the discharge effluent of the mine be located.	The final location has not been confirmed yet, but it's likely to be at the same location as for Advanced Exploration, in the Misema River.
What long-term issues, such as leaching, could arise from tailings on site?	Filtered tailings (dry stack) technology was selected by Agnico Eagle as it's a stable deposition method in the long term The closure of a filtered tailings facility is simpler and requires less monitoring.
	The filtered (dry) tailings are deposited in the storage facility area and compacted by mobile equipment. The tailings then become a big solid pile, very resistant to water infiltration. This deposition method also enables progressive revegetation.
	The final closure methods will be developed during impact statement preparation and closure plan and will consider final geochemistry testing. Doing so, this will

QUESTIONS & COMMENTS (Q & C)	ANSWERS
	ensure there will be no impact from the pile in the long term.
Will the tailings smell?	Testing programs are ongoing, but preliminary results show the tailings do not have a high sulphide content which can have the rotten egg smell sometimes found at other mines.
A participant expressed they want the mine open and to see the benefits from it for the community. They agree that mitigation measures will be required to minimize the impacts, however they have concerns that negatives views from few individuals, not from the Township of Gauthier, could slow the project even if it does not represent the view of the majority of the citizens close to project. How can we participate or comment on the mine?	Agnico Eagle invites all interested persons to participate at all events and share their views. All opinions count, and that both, positive and negative feedback are noted for the Impact Statement preparation.
Might there be accommodations on the site and new people in the area full time?	There are no plans for accommodations on the site.
Will there be circulation on the Dobie Rd during operations?	Agnico Eagle plans to access the site via the McBean Property, so it will not use Dobie Rd during its operations.
Concerns about loss of road to cottages, parking area and boat launch and question about what the plan is.	Agnico Eagle will ensure that Beaverhouse Lake remains accessible to the users. Agnico Eagle is looking for alternatives for the existing boat launch and has started to gather feedback from the users (see Interactive Workshop Discussion on Land Use).

Other topics discussed include the following:

- > Concern expressed related to noise, dust and general disturbance from mine activities.
- Cumulative effects if Agnico Eagle develops other mines on the lands they own.
- Concern about increased traffic, worker shortage, 24/7 construction operation
- Concern about potential project impacts to local residents and cottager's health, including mental health

### 2.4 Table 6: Interactive Workshop on Land Use

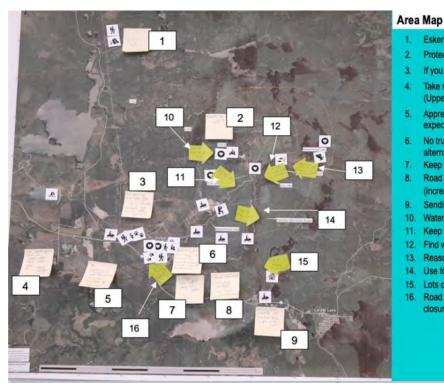
This interactive workshop area was designed to gather participant knowledge on land use, and feedback on proposed alternate road access to Beaverhouse Lake (and boat launch) related to potential Advanced Exploration and Production phases, including potential alternatives and mitigation measures.

Questions related to their observations and uses of the territory were asked to participants by the workshops third party facilitator. The participants were invited to add them on the maps as well as any comments or ideas related to this topic.

In parallel to this workshop, the online Community Survey is also available for those that could not attend or participate in the workshop. The online survey is open until August 31, 2023, and can be found on the Project's dedicated website, under the news and events section here: 2023 Community Survey – Upper Beaver Project – Agnico Eagle Mines Ltd. The online survey results will be shared in a separate report.

All information collected will be considered in the preparation of the Impact Statement.

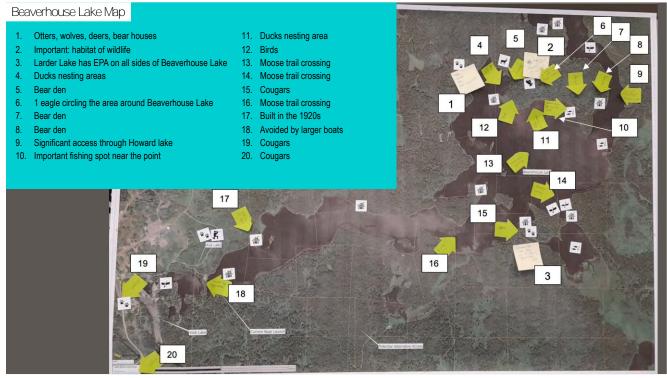
The following items were identified by participants on the interactive area map:



### Esker park

- 2
- Protect the falls
- 3. If you use railroad to Malartic, construct new road: avoid Doble
- Take regional approach into account for impact mitigation (Upper Canada, Anoki -McBean, Bidgood, AK).
- Appreciation for historical road improvements but creates expectations for users
- No trucking within 2 km range of community. Access to railway alternate route of Beaverhouse Road
- Keep traffic away from Dobie
- Road improvements as major required improvements near Dobie (increase in deterioration)
- Sending Doble residents over Fork lake road = major inconvenience 9
- 10. Waterfalls (appreciated by locals)
- 11. Keep current access road for users
- Find way to create access over Misema 12.
- 13. Reasonable location for boat launch (with significant improvements)
- 14. Use for heavy trucks
- 15. Lots of skidoos (main trail)
- 16. Road gate has security concerns (wildfire, winter storm, railway closure)

#### The following items were identified by participants on the Beaverhouse Lake interactive Map:



The following items were identified by participants on the Alternate Access interactive map:



QUESTIONS & COMMENTS (Q & C)	ANSWERS
Will existing portage routes be maintained?	Water levels will be maintained within seasonal variation in Beaverhouse Lake. A portage will be provided or passage through the diversion will be possible.

The main topics of interest discussed during the workshop include the following:

- Several participants expressed their positive sentiments related to improved access and road maintenance work completed by Agnico Eagle to access Beaverhouse Lake
- Multiple concerns about road maintenance and safety, especially regarding cohabitating with different vehicle sizes, all year round.
- Concerns about access and enjoyment of water activities
- Location of alternate road and new boat launch, many wish to maintain a boat access through Beaverhouse Lake
- Local users concentrate their use of watercraft (small boats, canoes, kayaks, etc.) near the northeastern portion of Beaverhouse Lake and on the Misema River (see maps with appropriate pictograms). The boat launch on Beaverhouse Lake is significantly used, to a higher degree than the one on Howard Lake (per the participants). No mention of other waterways as being in use by personal watercraft.
- Several participants pointed that snowmobile and ATV trails cross both the current road access and the potential alternate, which is a cause for concern to local users.
- One participant shared their own map identifying wildlife observations made in the area for 68 years.

Suggested mitigation measures or alternatives for improving the Project included the following:

- The majority of participants raised the importance of having a buffer zone around Dobie to minimize the impacts of heavy trucks (dust, noise, etc.), to ensure road safety and to maintain local access to leisure activities.
- The majority of participants believe that the potential alternate road access identified by Agnico Eagle, with improvement, is a feasible option to ensure access to Beaverhouse Lake and is an appropriate location for a new boat launch.
- Suggestion to have two road accesses to the site/Beaverhouse Lake, whereas Beaverhouse Road is reserved for residents/cottagers and the Potential Alternate Route Access is used by Agnico's trucks, with a crossover from the mine site to the Alter Route Access south of York/Ava Lake.

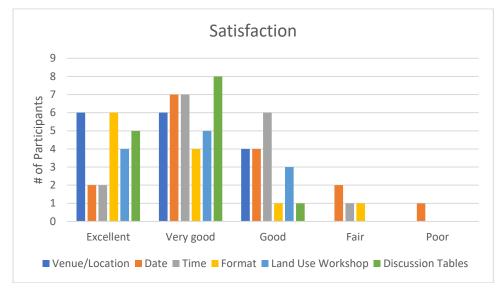
Other comments:

- One participant raised the issue with the ease of understanding of the proponent's official documents submitted to regulatory bodies (ex. Closure Plan).
- Comment that the project is an opportunity for AEM to provide good jobs for local residents.

### 3. EVALUATION SURVEY RESULTS (TABLE 7)

16 participants completed the evaluation survey. The following provides an analysis of the results.

### 3.1 Level of Satisfaction



Overall, the level of satisfaction regarding format and logistics of the Information Session was high.

90% of respondents were satisfied with the format of the session, and 100% were satisfied with the discussion tables (good to excellent). On average, respondents to the evaluation form gave a score of 8/10 on how the session met their expectations.

#### 3.2 Topics of Interest

The participants identified the following topics on which they would like to obtain more information in the future (number indicates how many participants identified the specific topic):

- Engineering information related to the justification of the open pit. (1)
- Beaverhouse Lake road access, parking, and boat launch (1)
- Future studies for identified endangered species (1)
- Water: well water, ground water quality, height of water change, increase, fluctuations on the Misema River (1)
- > Options available for residents (house) in active mining (1)
- Advanced Exploration: how ore will be transported, operations impact to community noise, etc hauling ore close to town (1)
- Closure Plan information and explanation (1)

#### 3.3 Methods of Communication & Future Engagement Events

Regarding the preferred methods of communication, the results are as follows:

- Email newsletters (13)
- Website (6)

- Information sessions (9)
- Radio (3)
- Postal mailings (4)
- Local newspaper (0)

Regarding the preferred time of future engagement events, here are the results:

- Weekdays during day (1)
- Weekdays during evening (6)
- Weekend during day (11)
- Weekend during evening (0)

#### 3.4 Other Comments

Many participants shared their positive appreciation of the meeting and the opportunity to speak with subject matter experts directly.

Some participants are looking forward to future meetings, and some shared suggestions:

Hold these meetings during peak times (July, August) to ensure all users of Beaverhouse can attend. Do not limit topics. Have geologists, mining engineers available as well as the ones you had here today. Be more transparent, I want to hear what everyone's questions are as well as your answers.

### MEETING SUMMARY

MAIN QUESTION	S, CONCERNS, AND INTERESTS
<ul> <li>Participants</li> </ul>	Questions and concerns about water quality, levels and water management during mining activities
<ul> <li>Participants</li> </ul>	Questions and concerns about the tailings and the risk of water contamination.
<ul> <li>Participants</li> </ul>	Interest about community benefits including employment and business opportunities
<ul> <li>Participants</li> </ul>	General questions about the Impact Assessment process
<ul> <li>Participants</li> </ul>	Expression of interest to participate on Environmental Committee for the Project
<ul> <li>Participants</li> </ul>	Concern about potential project impact to Beaverhouse Lake biodiversity, fish, wildlife, and wetlands
<ul> <li>Participants</li> </ul>	Concern about potential project impacts to local residents and cottager's health, including mental health

SUGGESTIONS	
<ul> <li>Participants</li> </ul>	Suggestion to have different road accesses to the mine site and Beaverhouse Lake
<ul> <li>Participants</li> </ul>	Important to have buffer zone around Dobie to minimize impacts of heavy trucks and to ensure road safety for residents
<ul> <li>Participants</li> </ul>	Suggestion to have Engineers present at future engagement events to learn more about the tailings design and open pit (general mine design).

FOLLOW-UP ACTIONS	
<ul> <li>Agnico Eagle</li> </ul>	Share this Meeting Report on the Project's website.

### **APPFNDIX I:**

### **EXAMPLE OF INVITATIONS**



at project site and surrounding area)

Following this presentation, we will host small group, topic specific, discussions. Each group will be facilitated by subject matter experts who will present their work and answer questions.

There will also be an interactive workshop area, where participants can share their knowledge, feedback, and input on various aspects of the Project

### **REGISTRATION REQUIRED!**

#### TO REGISTER

relations.upperbeaver@agnicoeagle.com or 705-567-4377 ext. 4131242

INFORMATION REQUIRED: Full Name Organization Email and/or phone number



UPPER BEAVER

PROJECT

#### COMMUNITY SURVEY

We invite you to complete our community survey to share your interests and priorities so that we may better engage you on our Project.

Complete the survey before <u>June 30<sup>th</sup> for a chance</u> to win an iPad!



with your camera app!



UPPER BEAVER PROJECT

Figure 2: Postal Card Invitation (Back)



### **UPPER BEAVER GOLD PROJECT**

Agnico Eagle is studying the potential to develop, operate and eventually reclaim an underground and open pit, gold-copper mine, processing facility and related infrastructure at the Upper Beaver Project site, located approximately 5 km northeast of Dobie, ON.

Currently in the exploration phase, the Project is going through the Federal Impact Assessment process. Agnico Eagle is seeking community feedback to better understand the land uses, health, social and economic conditions around the Project area, as well as the key issues and concerns.

### SATURDAY, JUNE 17<sup>TH</sup>, 9:30 AM - 12:30 PM IN LARDER LAKE

#### During this information session, we will start with a short presentation on:

- . The overview of the Upper Beaver Project
- The current baselines studies (physical and biological condition at project site and surrounding area)

Following this presentation, we will host small group, topic specific, discussions. Each group will be facilitated by subject matter experts who will present their work and answer questions.

There will also be an interactive workshop area, where participants can share their knowledge, feedback, and input on various aspects of the Project.



Figure 3 Invitation shared via email, website and social media

## APPENDIX II: COPY OF PRESENTATION

# **Upper Beaver Gold Project**

## **COMMUNITY INFORMATION SESSION**

LARDER LAKE MUNICIPAL HALL JUNE 17, 2023





The information in this presentation has been prepared as of June 17, 2023. Certain statements contained in this presentation constitute "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995 and "forward-looking information" under the provisions of Canadian provincial securities laws and are referred to herein as "forward-looking statements". When used in this presentation, the words "anticipate", "could", "estimate", "expect", "forecast", "future", "plan", "potential", "will" and similar expressions are intended to identify forward-looking statements. Such statements include, without limitation: statements concerning the Upper Beaver Project of Agnico Eagle Mines Limited (the "Company") and other Company's development projects, including the timing, funding, mining methods, mitigation measures, expected life of mine, tonnage, or mill capacity, completion and commissioning thereof and production therefrom, the estimated timing and conclusions of technical reports and other studies, the projects' benefits for the communities (including the rehabilitation of historic legacies, road and access improvements, etc.); statements regarding the Company's ability to obtain the necessary permits, zoning amendment, and authorizations in connection with its exploration, development, and mining operations and the anticipated timing thereof; statements as to future engagement and consultation activities with stakeholders, including with Indigenous groups; statements regarding geological potential or anticipated future exploration or development activities; and the anticipated timing of events with respect to the Company's mine sites or activities. Such statements reflect the Company's views as at the date of this presentation and are subject to certain risks, uncertainties and assumptions, and undue reliance should not be placed on such statements. Forward-looking statements are necessarily based upon a number of factors and assumptions that, while considered reasonable by Agnico Eagle as of the date of such statements, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The material factors and assumptions used in the preparation of the forward looking statements contained herein, which may prove to be incorrect, include, but are not limited to, the assumptions set forth herein and in management's discussion and analysis ("MD&A") and the Company's Annual Information Form ("AIF") for the year ended December 31, 2021 filed with Canadian securities regulators and that are included in its Annual Report on Form 40-F for the year ended December 31, 2022 ("Form 40-F") filed with the SEC as well as: that there are no significant disruptions affecting operations; that production, permitting, development, expansion and the ramp-up of operations at each of Agnico Eagle's properties proceeds on a basis consistent with current expectations and plans; that the relevant metal prices, foreign exchange rates and prices for key mining and construction inputs (including labour and electricity) will be consistent with Agnico Eagle's expectations; the ability to realize the anticipated benefits of the merger with Kirkland Lake Gold Ltd. (the "Merger") or implementing the business plan for the combined company, including as a result of difficulty in integrating the businesses of the companies involved; the ability to realize synergies from the Merger and the recent acquisition of Yamana Gold's canadian assets (the "Yamana Transaction") and cost savings at the times, and to the extent, anticipated; that Agnico Eagle's current estimates of mineral reserves, mineral grades and metal recovery are accurate; that there are no material delays in the timing for completion of ongoing growth projects; that seismic activity at the Company's operations at LaRonde, Goldex and other properties is as expected by the Company and that the Company's efforts to mitigate its effect on mining operations are successful; that the Company's current plans to optimize production are successful; that there are no material variations in the current tax and regulatory environment; that governments, the Company or others do not take additional measures in response to the COVID-19 pandemic or otherwise that, individually or in the aggregate, materially affect the Company's ability to operate its business; that cautionary measures taken in connection with the COVID-19 pandemic do not affect productivity; and that measures taken relating to, or other effects of, the COVID-19 pandemic do not affect the Company's ability to obtain necessary supplies and deliver them to its mine sites. Many factors, known and unknown, could cause the actual results to be materially different from those expressed or implied by such forward looking statements. Such risks include, but are not limited to: the ability to realize the anticipated benefits of the Merger or implementing the business plan for Agnico Eagle following the Merger, including as a result of a delay or difficulty in integrating the businesses of the companies involved; the ability to realize the anticipated benefits of the Yamana Transaction; the volatility of prices of gold and other metals; uncertainty of mineral reserves, mineral resources, mineral grades and mineral recovery estimates; uncertainty of future production, project development, capital expenditures and other costs; foreign exchange rate fluctuations; inflationary pressures; financing of additional capital requirements; cost of exploration and development programs; seismic activity at the Company's operations, including the LaRonde Complex and Goldex mine; mining risks; community protests, including by First Nations groups; risks associated with foreign operations; governmental and environmental regulation; the volatility of the Company's stock price; risks associated with the Company's currency, fuel and by-product metal derivative strategies; the extent and manner to which COVID-19, and measures taken by governments, the Company or others to attempt to reduce the spread of COVID-19 may affect the Company, whether directly or through effects on employee health, workforce productivity and availability (including the ability to transport personnel to fly-in/fly-out camps), travel restrictions, contractor availability, supply availability, ability to sell or deliver gold dore bars or concentrate, availability of insurance and the cost thereof, the ability to procure inputs required for the Company's operations and projects or other aspects of the Company's business; and uncertainties with respect to the effect on the global economy associated with the COVID-19 pandemic and measures taken to reduce the spread of COVID-19, any of which could negatively affect financial markets, including the trading price of the Company's shares and the price of gold, and could adversely affect the Company's ability to raise capital. For a more detailed discussion of such risks and other factors that may affect the Company's ability to achieve the expectations set forth in the forward-looking statements contained in this presentation, see the AIF and MD&A filed on SEDAR at www.sedar.com and included in the Form 40-F filed on EDGAR at www.sec.gov, as well as the Company's other filings with the Canadian securities regulators and the SEC. Other than as required by law, the Company does not intend, and does not assume any obligation, to update these forward-looking statements.

**Further Information** 

For further details on Agnico Eagle's first quarter 2023 results, please see the Company's news release dated April 27, 2023.

# **UPPER BEAVER GOLD PROJECT**





9:30 to 10:00 - Meet and Greet

10:00 to 10:30 - Presentation from Agnico Eagle

10:30 to 12:30 – Workshop/Discussions at Topic-Specific Tables

Upper Beaver Gold Project | Community Information Session

### **INFORMATION SESSION OBJECTIVES**



Agnico Eagle is studying potential to develop and operate an underground mine, including a small open pit in the first years of operation.

Upper Beaver Gold Project is in the exploration phase and going through the Federal Impact Assessment process. Provide the opportunity for surrounding communities to learn about Agnico Eagle's Upper Beaver Gold Project and participate in Project planning:

- Learn about the Project and recent activities
- Learn about baseline information collected to support regulatory permits and approvals
- Ask questions and share knowledge, concerns and ideas



## **TODAY'S COMMUNITY INFORMATION SESSION**

One of many activities to participate in the Project

### **Completed Engagement Activities**

- Held over 50 meetings since submission of Initial Project Description
- Developed tools to share Project information:
  - Website
  - Quarterly Newsletters
  - Baseline Studies Booklet
- Community Information Sessions (3)
- Electronic distribution of Notices
- Dedicated Community Relations Coordinator with site-based office

### **Summary of Feedback Received**

- Impact to current land access and to the Beaverhouse Lake boat Launch
- Impact to terrestrial and aquatic life, including species at risk
- Impact on water quality and water level
- Interest to have justification for open pit
- Impact to neighbours with noise
- Interest in employment and business opportunities
- Interest in Agnico Eagle's involvement in communities projects

## **ONGOING ENGAGEMENT ACTIVITIES**



Learn about the • Contact our Community Relations Coordinator Project • Attend Community Information Sessions:



- Attend Community Information Sessions: comments received will be documented and considered in Impact Statement Preparation
- Participate in workshops

Share your views

Collaborate

- Complete event evaluations
- Complete surveys



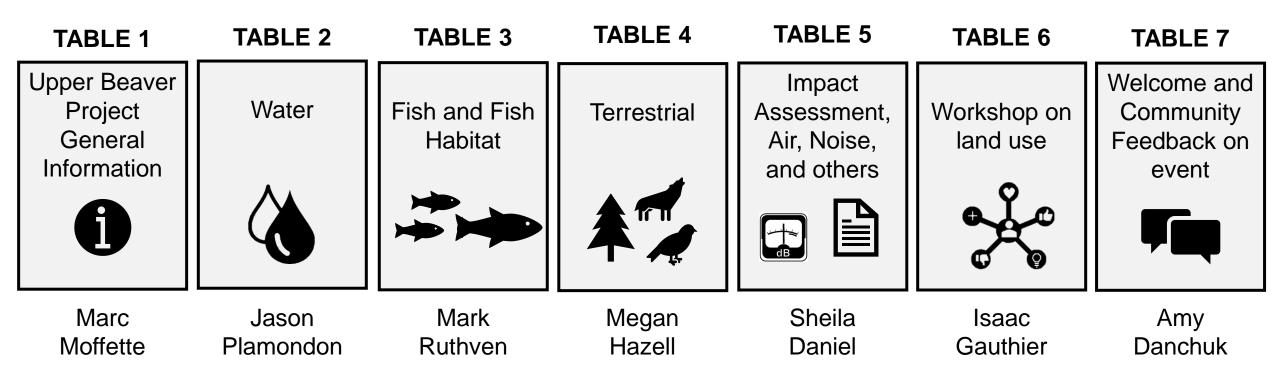
First community survey



9:30 to 10:00 - Meet and Greet

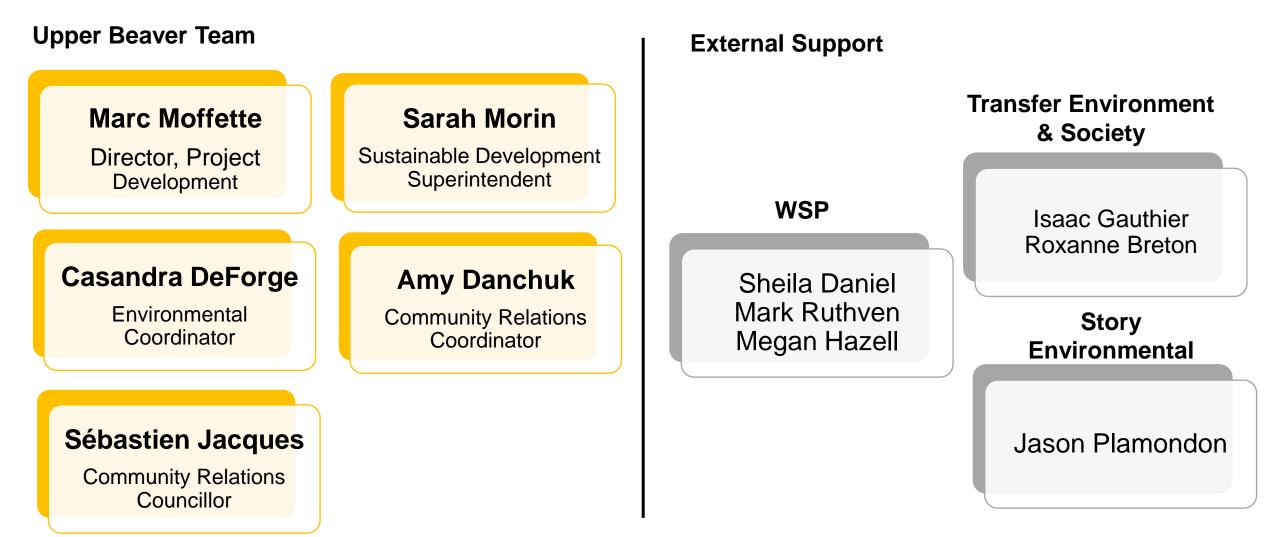
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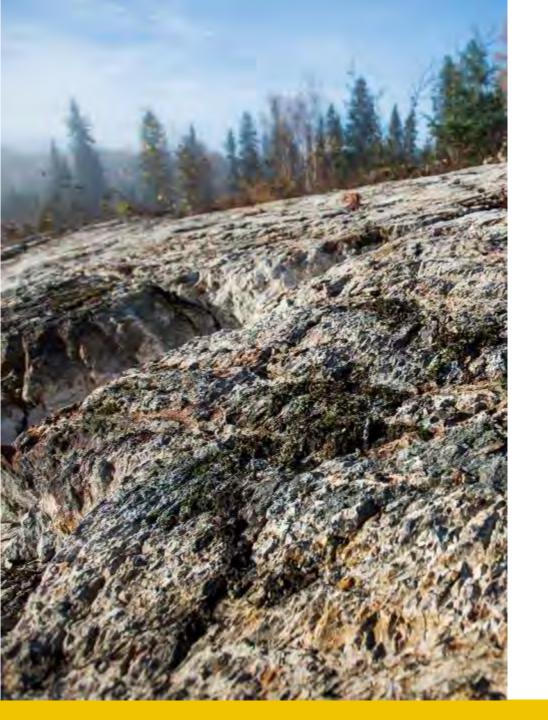
10:30 to 12:30 – Workshop/Discussions at Topic-Specific Tables



### **UPPER BEAVER GOLD PROJECT TEAM**







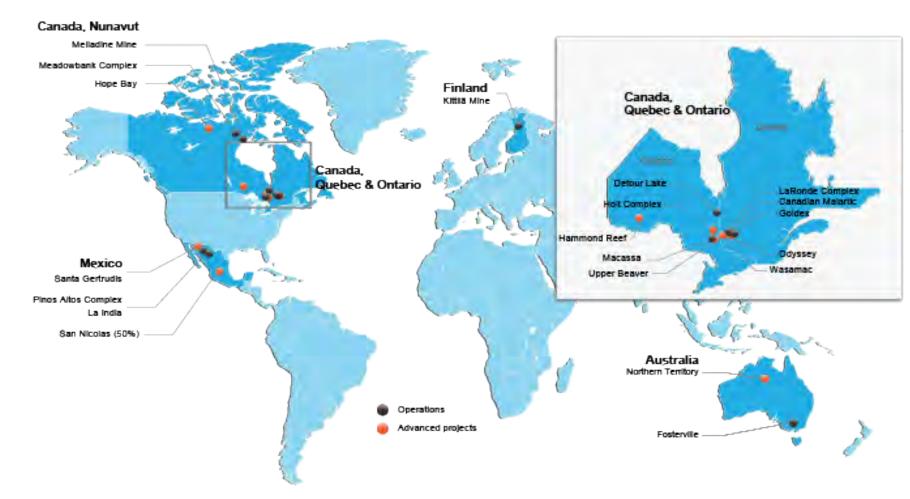


## Agnico Eagle Overview

### **AGNICO EAGLE MINES**



### True National Champion: Canadian Led, Canadian Headquartered, Community Oriented



- Agnico Eagle is a senior gold mining company
- Diversified operations in regions with high geologic potential: 11 mines in five regions, four countries
- Global workforce of over 16,000 employees and contractors
- Merged with KL Gold, 2022
- Recently acquired Yamana's Canadian assets, March 31, 2023

### **COMMITED TO RESPONSIBLE AND SUSTAINABLE DEVELOPMENT**





# Operate a safe and healthy workplace

We aim to operate a safe and healthy workplace that is injury and fatality free and are committed to maintaining the highest health and safety standards.



# Protect our environment

We focus on eliminating, minimizing and mitigating impacts of our operations on the environment and maintain its viability and diversity.



# Respect our employees

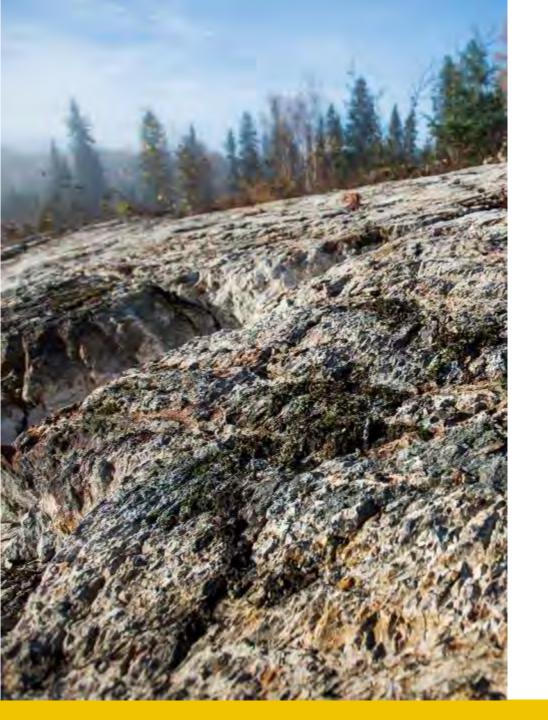
We aim to maintain a safe and healthy work environment that is based on mutual respect, fairness and integrity.



# Respect our communities

We act in a socially responsible manner and aim to contribute to communities associated with our operations.

2022 Sustainability Report: We Make Mining Work - 2022 Sustainability Report





## UPPER BEAVER GOLD PROJECT



## **UPPER BEAVER HISTORY**

- In 1912, exploration and/or mining began
- Since 1971, only exploration (no mining)
- 2012, previous owner (Queenston Mining) attempted to start advanced exploration
- 2012-2018, Ownership changes: Osisko Mining-2012, Canadian Malartic-2014 and Agnico Eagle-2018
- Since 2018, Agnico Eagle has restarted studies and permitting for an Advanced Exploration program and began the impact assessment process for a potential production phase





\* Timelines are subject to change.

### **EXPLORATION ACTIVITIES**



### **Upper Beaver:**

- Mapping Programs around Upper Beaver Property:
- This field work includes:
  - Surface rock outcrop sampling
  - Geological mapping
  - Soil sampling with hand tools
- No drilling at this time.
- New Possible drilling south of Beaverhouse Lake to begin in July

### **OBJECTIVES OF THE ADVANCED EXPLORATION**



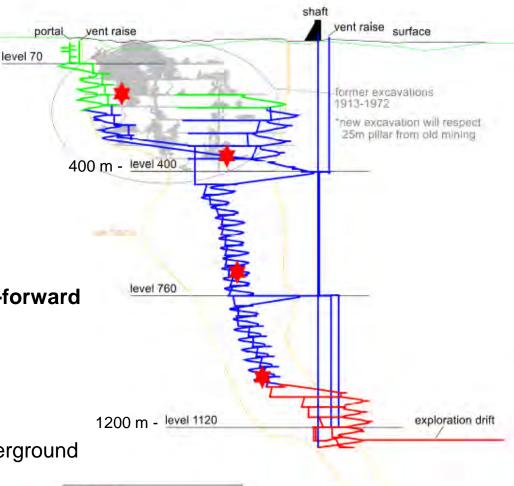
#### To confirm the feasibility of Upper Beaver, including:

- Mineral value
- Mining and geological parameters
- Mining model and the ore body in the deeper levels
- Extraction methods
- Project costs and the economic viability

This information will support Agnico Eagle in determining a go-forward decision to Construction and Operation phases.

#### How does Advanced Exploration support this?

- Providing access via the shaft and ramp to access different underground areas to drill
- Taking bulk samples (rock) in mineralized areas
- Bringing samples off site for testing (specialized lab, external mill)



Proposed bulk sample location

Explo. planned 0-200 meters Explo. planned 200-1000 meters Explo. planned 1000 < meters

### UPDATE ON ACTIONS TO SUPPORT ADVANCED EXPLORATION



#### **Completed:**

- Permitting/Closure Plan with Ministry of the Environment, Conservation and Parks (MECP) and Ministry of Mines (MINES)
- Installation of two noise monitoring stations

#### Ongoing:

- Technical studies and engineering for construction design (including road improvement)
- Environmental Management Plan
- Zoning Amendment

#### Upcoming Activities:

• No internal approval has been provided to begin the Advanced Exploration program, the target is now to start construction of the shaft and ramp in **2024** 

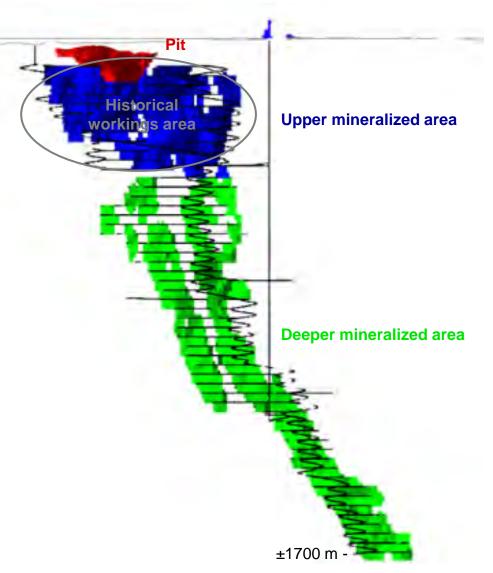


#### **UPPER BEAVER GOLD PROJECT**



#### Highlights of <u>Base Case</u> Scenario:

- Continue development of the historical mine
- Deposit continues deeper and wider than historical mining requiring new access
- Primarily an underground project accessible with ramp and shaft
- Small open pit in the first years of operation
  - To manage risk associated with rock stability and risk of water infiltration due to historical development and proximity of lake
- Life of mine that could extend to 14 years
- Daily tonnage and mill capacity could be over 5,000 tonnes per day
- Opportunities to rehabilitate historic legacies



Longitudinal view – Upper Beaver Development

Upper Beaver Gold Project | Community Information Session

#### UPDATE ON ACTIONS TO SUPPORT PRODUCTION PHASE



#### Ongoing:

- Finalize engineering designs/concepts required to assess potential impacts
- Outline and evaluate potential alternatives and associated potential impacts and mitigation measures for the base case scenario, as well as potential synergies with the new assets from recent acquisitions (i.e.: Ore transportation to existing mill)
- Baseline Studies
- Engage with Indigenous Nations and Public to prepare the Impact Statement

#### **ADVANCED EXPLORATION VS PRODUCTION PHASE**

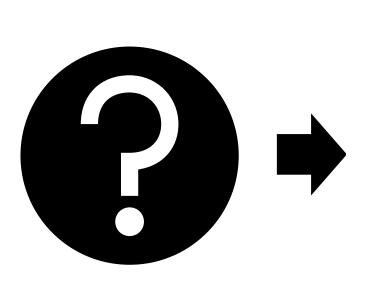


COMPONENT	ADVANCED EXPLORATION	MINE PRODUCTION
Ramp		
Shaft		
Rock/Overburden Storage		
Water treatment facilities		
Mill and Tailings Facilities	$\bigcirc$	
Open Pit	$\bigcirc$	
Diversion and Dykes	$\bigcirc$	
Federal Impact Assessment	$\bigcirc$	
Revenue	$\bigcirc$	

Upper Beaver Gold Project | Community Information Session



### **Questions about the Upper Beaver Gold Project?**

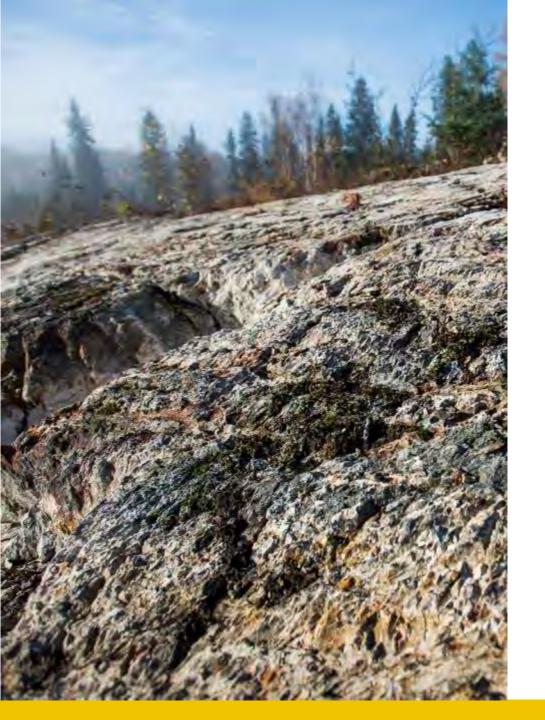


#### TABLE 1

Upper Beaver Project General Information



#### Marc Moffette





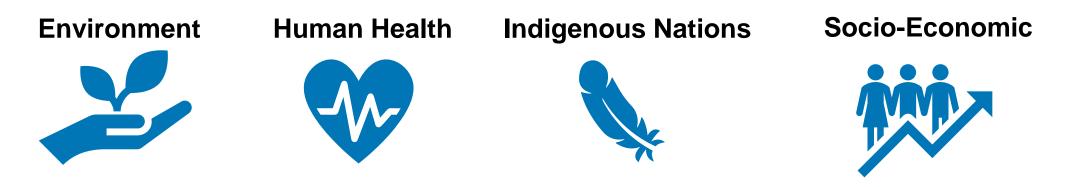
#### UPPER BEAVER GOLD PROJECT – IMPACT ASSESSMENT

#### Mining projects are regulated by stringent environmental regulatory requirements and this Project will require environmental authorizations.

Environmental authorizations will take up to 5 years and will include:

- Federal Impact Assessment Process
- Federal Approvals
- Provincial Approvals

Assessment of possible impacts and development of mitigation measures will be carried out, among others, for:



Upper Beaver Gold Project | Community Information Session



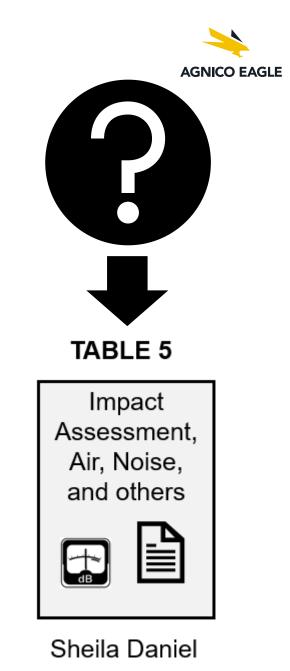
#### FEDERAL IMPACT ASSESSMENT

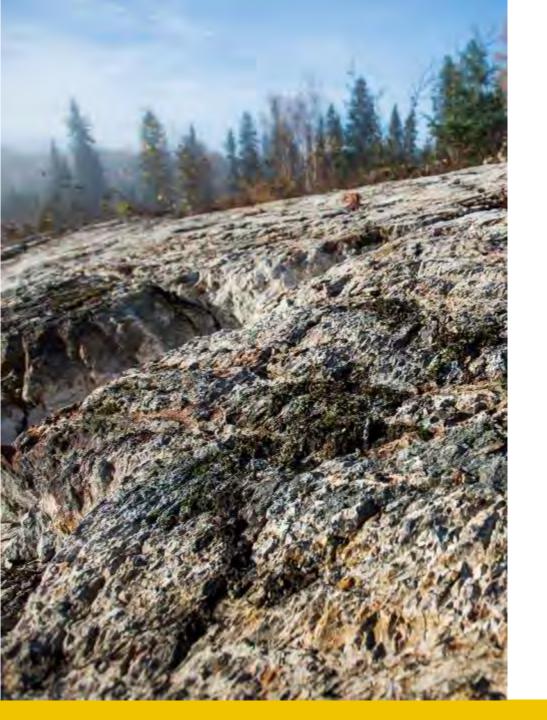
#### **Completed:**

- Submitted a Detailed Project Description November 2021
- Federal Agency confirmed the Project required an Impact Assessment under their regulation – December 2021
- Federal Agency provided Agnico Eagle, Tailored Impact Statement Guidelines – April 2022

#### Ongoing:

- <u>Gather information</u> to prepare the Impact Statement (including engagement activities)
- Outline and evaluate alternatives, potential impacts and mitigation measures
- Prepare an Impact Statement document







#### **BASELINE STUDIES INFORMATION**

#### **BASELINE INFORMATION FOR THE UPPER BEAVER PROPERTY**

- 2011, Queenston Mining began baseline collection activities to support an Advanced Exploration program
- 2013, project suspension, only water quality monitoring continued but at a lower frequency
- 2018, Agnico Eagle restarted baseline studies to update information and fill gaps to support the restart of Advanced Exploration
- 2021, studies were completed to fill gaps to support the anticipated Federal Impact Assessment
- 2022 and ongoing in 2023, additional work was undertaken to meet the Federal Agency Guidelines

**Baselines studies** characterize the <u>current conditions</u> of the physical, biological and human environments at a project site and its surrounding area prior to project development.

Baseline studies support the impact assessment process. Understanding the current conditions, challenges and future plans of an area related to the Project provides a basis against potential effects of the Project that can be assessed. These assessments assist in decisions on the design and management of the Project to reduce its potential effects.



#### **BASELINE INFORMATION – SUBJECT MATTER EXPERTS**





STORY environmental

Jason Plamondon Senior Environmental Scientist



Water Quality, water flows and water elevation

TABLE 3

Mark Ruthven Principal Discipline Lead Natural Sciences



Fish and Fish Habitat



Megan Hazell Senior Associate Biologist -Terrestrial Lead



**Terrestrial Environment** (vegetation, wetland, mammals, birds, amphibians)

Geoscientist Fellow Team Lead Mine Environmental Approvals



TABLE 5

Impact Assessment process (and Air, Noise, Ambiant Light, and other info)

Upper Beaver Gold Project | Community Information Session





# UPPER BEAVER **PROJECT**

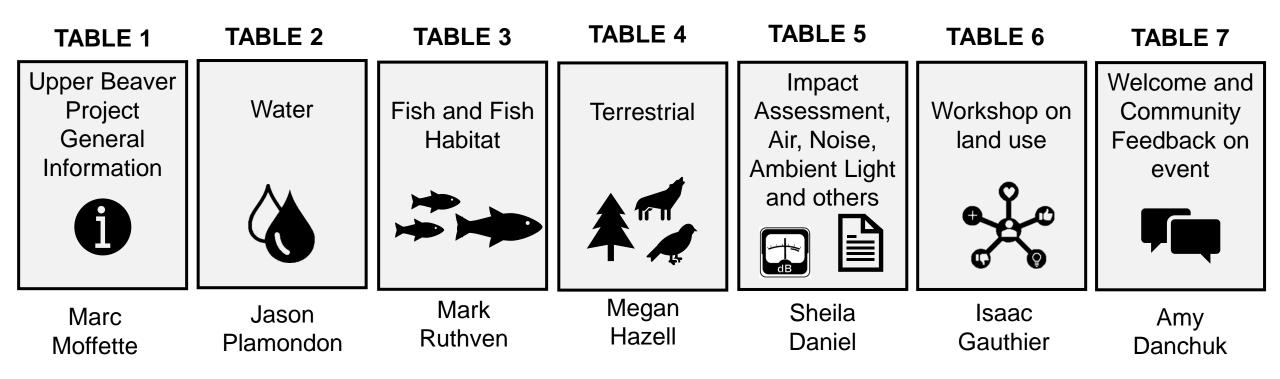
# Thank you.

For more information: Community Relations: 705-567-4377 ext. 4131242 Upper Beaver Info - Email: relations.upperbeaver@agnicoeagle.com Website: upperbeaver.agnicoeagle.com



9:30 to 10:00 - Meet and Greet

- 10:00 to 10:30 Presentation from Agnico Eagle
- 10:30 to 12:30 Workshop/Discussions at Topic-Specific Tables

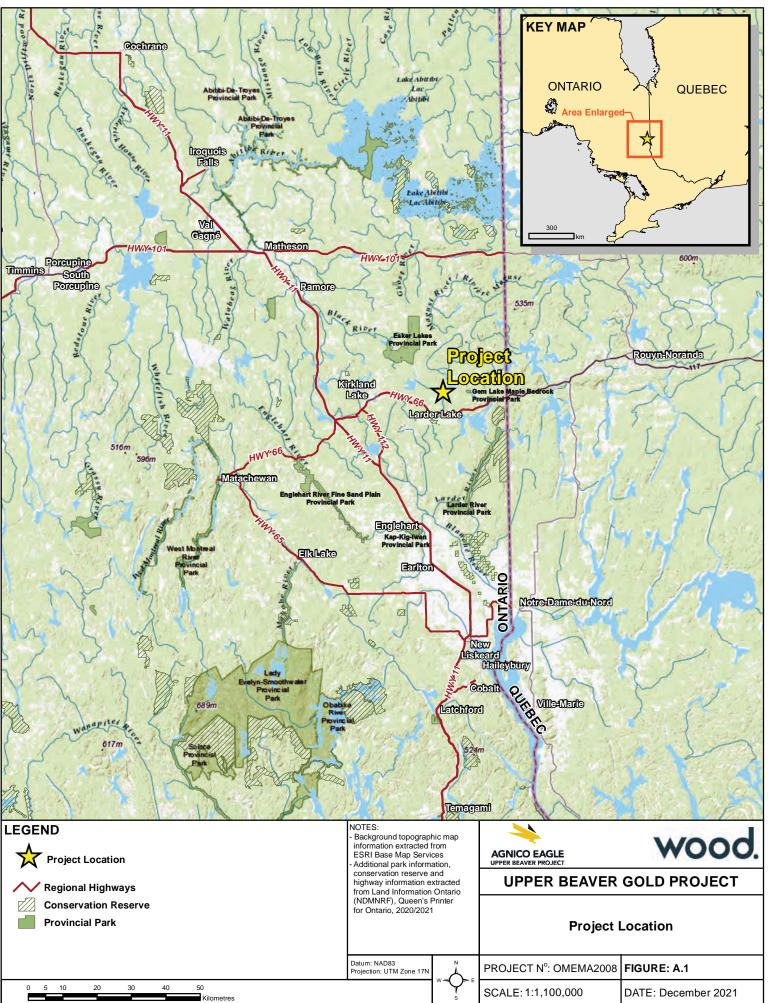


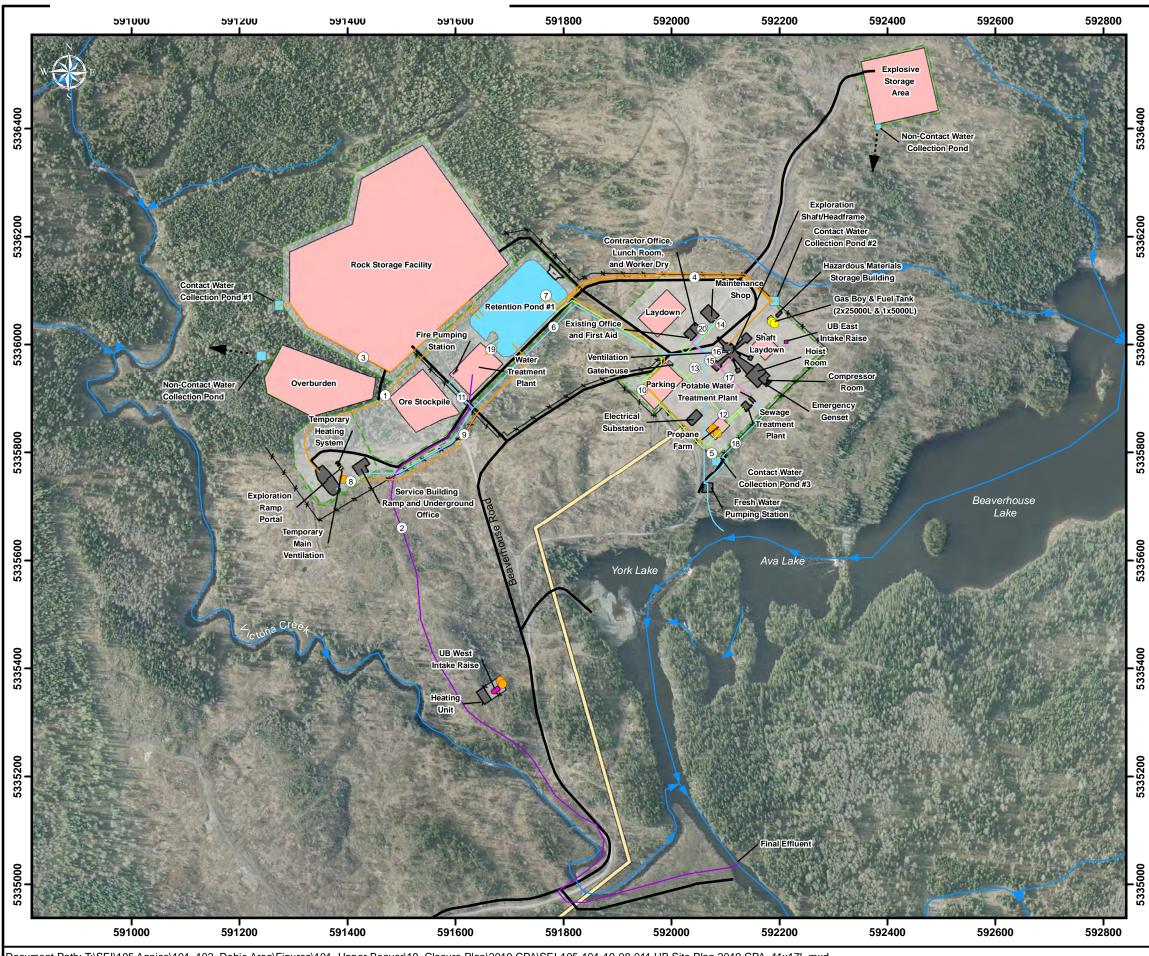
#### **APPENDIX III:**

#### COPY OF POSTERS USED AT DISCUSSION TABLES

**TRANSFER Environment and Society** 

#### Table 1: General information about the Project





#### Table 1: General information about the Project

Document Path: T:\SEI\105 Agnico\101\_102\_Dobie Area\Figures\101\_Upper Beaver\19\_Closure Plan\2019 CPA\SEI-105-101-19-08-011 UB Site Plan 2019 CPA\_11x17L.mxd



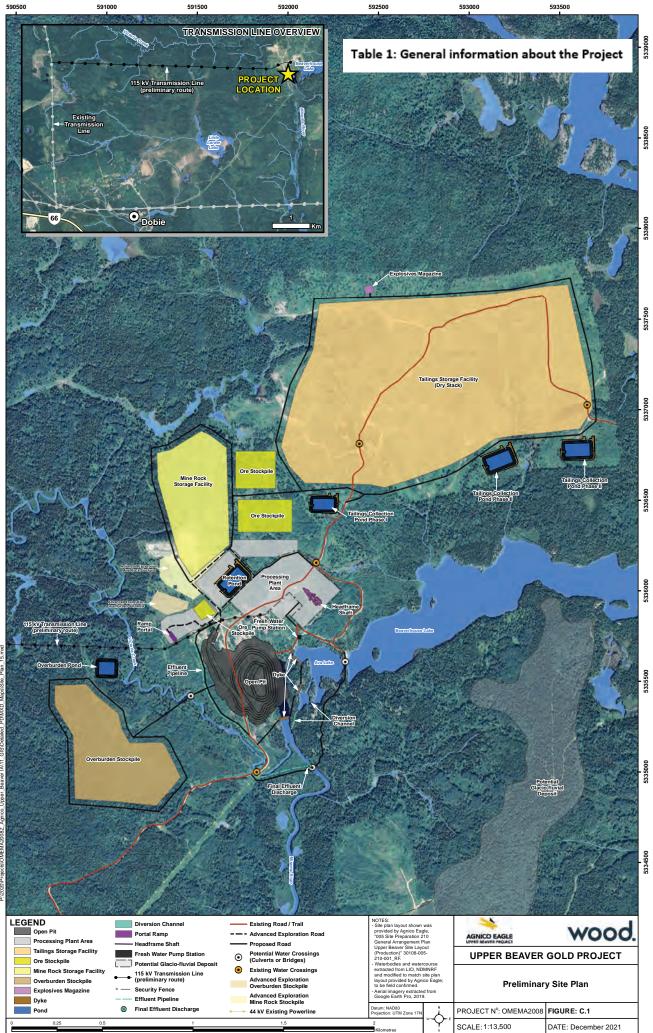


Table 1: General information about the Project



### **AGNICO EAGLE**

# **Open Pit and Water Deviation**

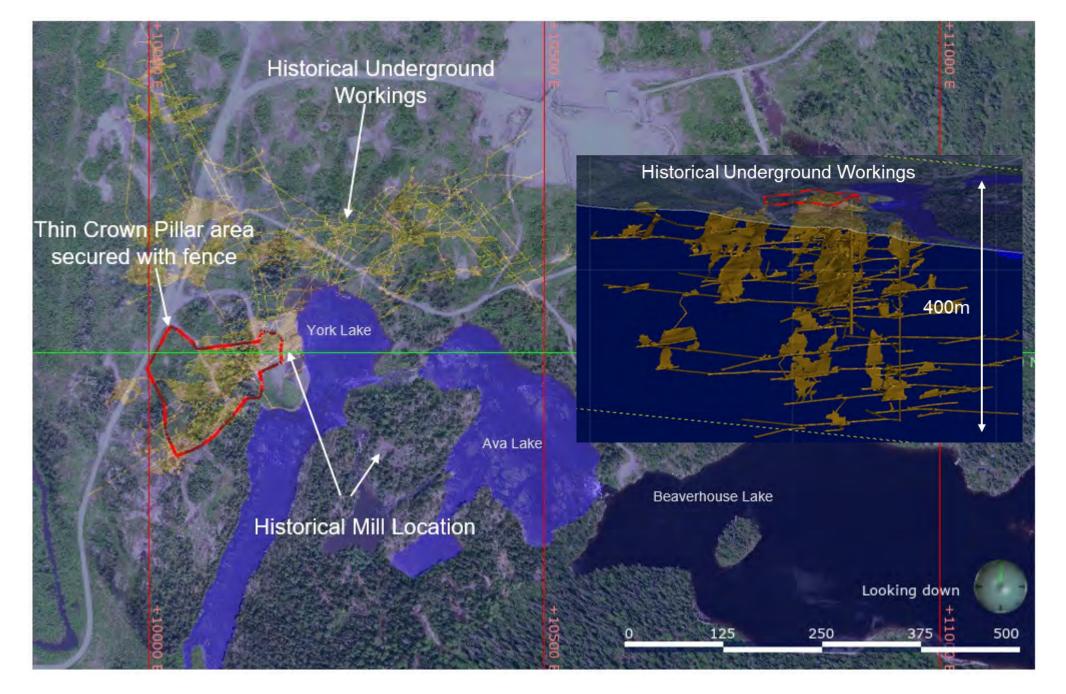
## Why an open pit and deviation of water?

#### Former Producing Site with Mining Activities between 1912-1971

Historic underground workings reach 400 meters in depth.

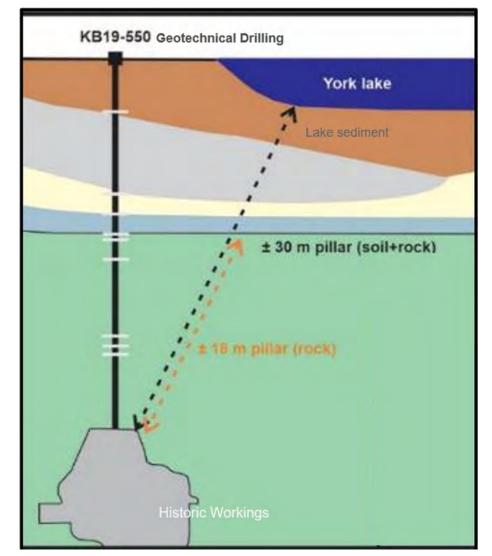
Some historic stopes were mined close to surface = thin crown pillar

Designs for new underground development **must consider these legacies** to ensure safe operations.



Challenges associated with ground stability from historical mining underground development:

- Insufficient competent rock in place between the surface and the old mine workings (± 20 metres)
- Significant risk for future underground development work in this area, and the safety of workers as a breach could connect the workings with the lake and flood the



**UPPER BEAVER** 

PROJECT

How to manage stability issues?

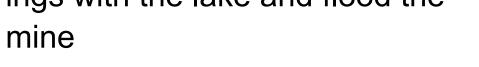
The **viable scenario for production** is to include an extraction from surface with an open pit along with the underground mine:

Requires diversion of York Lake to:

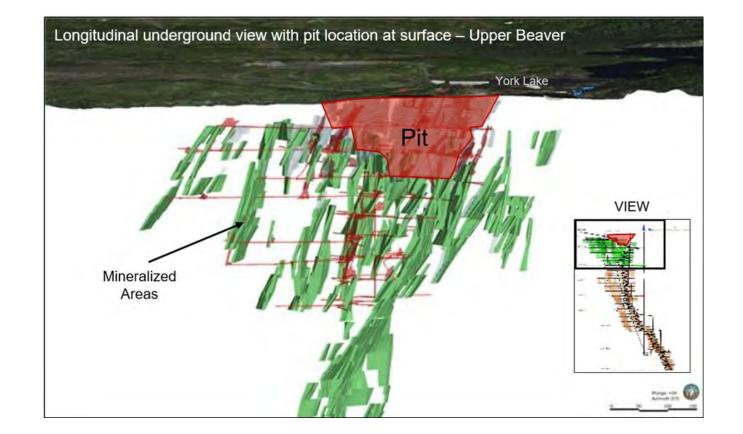
- . Remove risk associated with ground stability and hydraulic conductivity
- . Opportunity to rehabilitate historic legacies
- . Maintain economic viability of the project

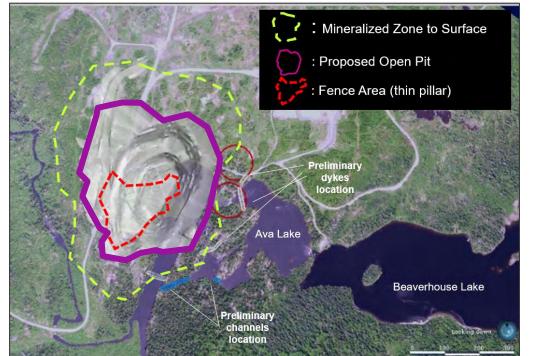
# **Proposed Open pit**

- Open pit to manage risk associated with ground stability and hydraulic conductivity
- Pit size is driven by the stability issue, not by availability of the ore at surface
- Extraction from the open pit in the first years only (4-5 years)



Initial sole Underground Project had to adjust its project design accordingly to reduce the risks associated with these findings (Advanced Exploration and Production)





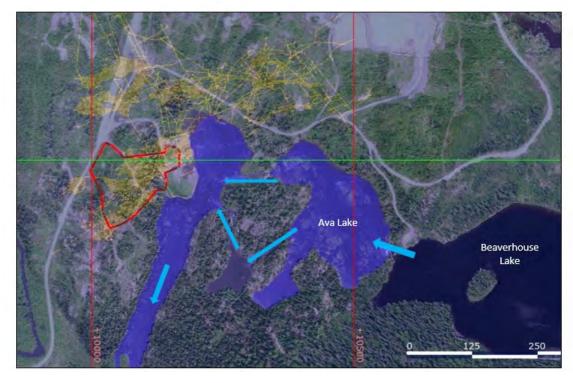


. An access to Beaverhouse Lake will be maintained

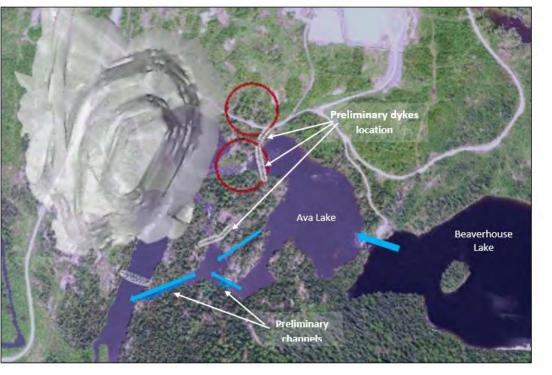
## **Proposed Temporary diversion**

- The channel diversions will be designed so the water level in Beaverhouse Lake will retain current levels, inclusive of natural fluctuations.
- Same amount of water will follow the same path as before (from Beaverhouse Lake to Misema River).
- Temporary water diversion of the Misema River with dikes and channels
- Annual flow has been estimated as in the order of 90 million m<sup>3</sup> per year (2.9 m<sup>3</sup>/ second)

#### **CURRENT CONDITION**

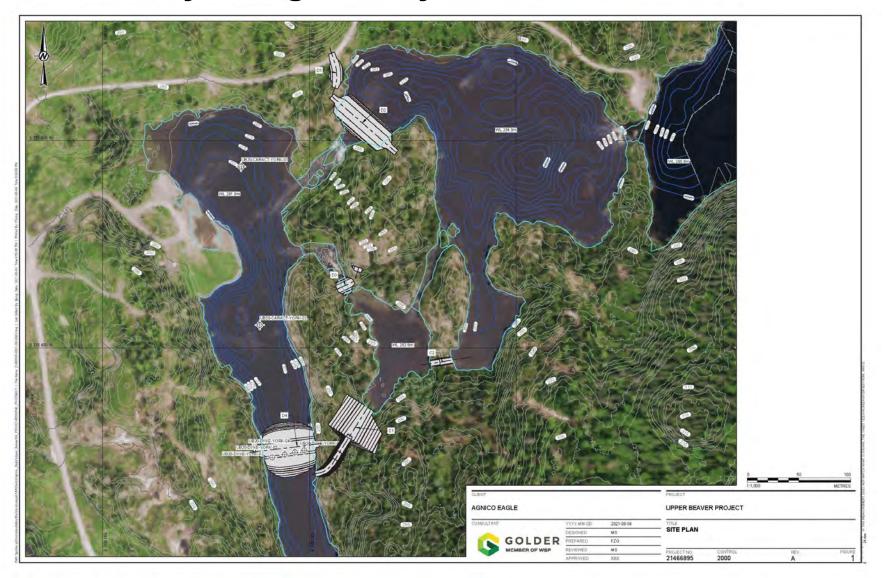


#### **PROPOSED FOR PRODUCTION**



#### 2.35 km : Proposed Upper Beaver Open Pit

#### **Preliminary Design for Dykes and Channels**



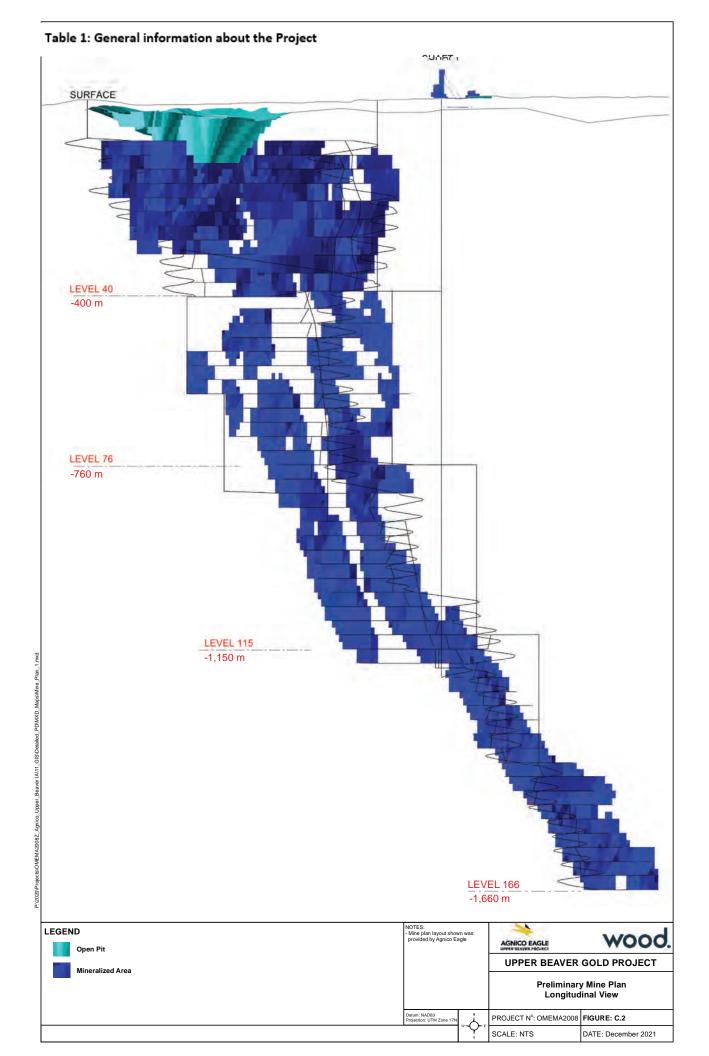
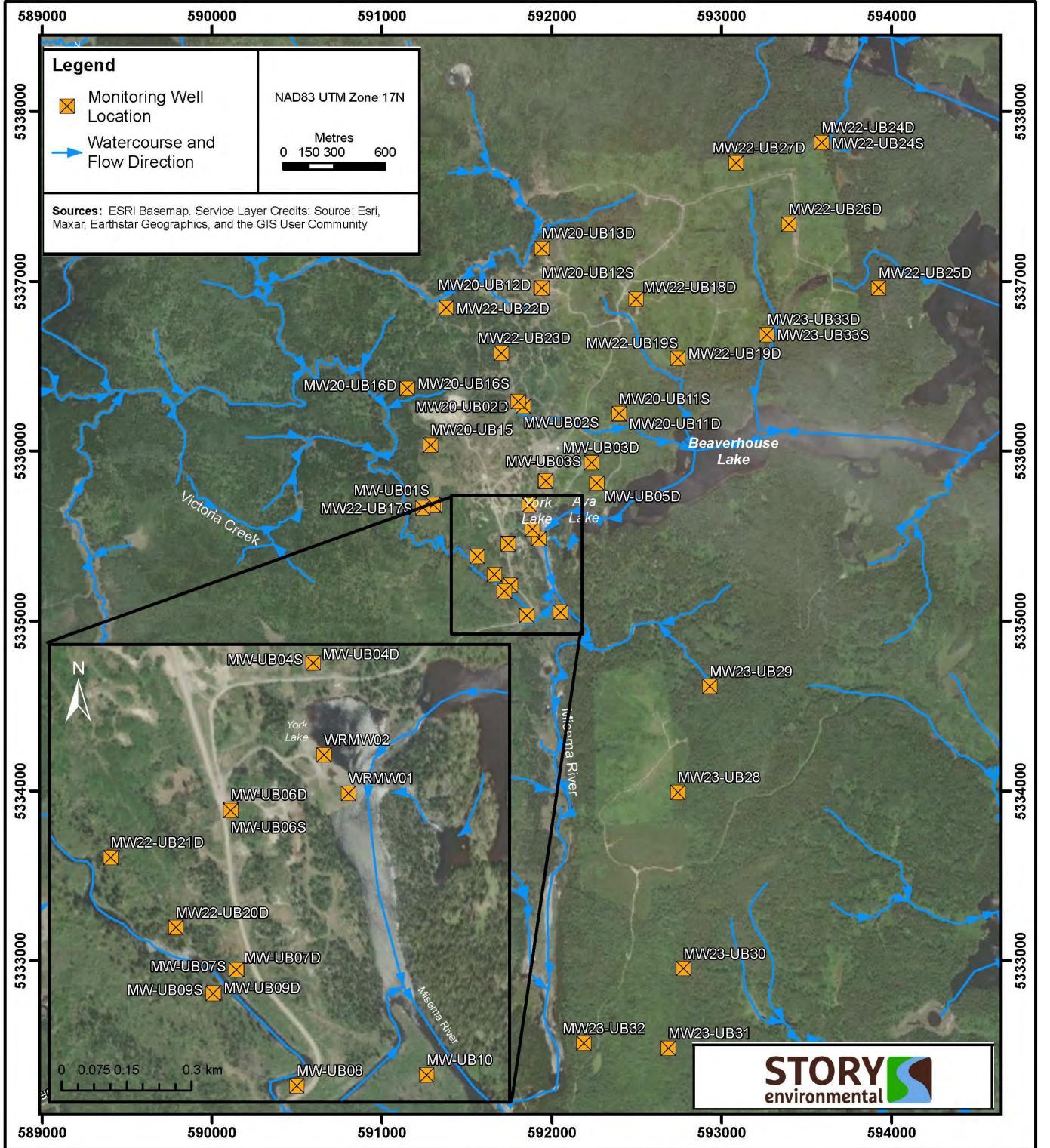


Table 2: Water quality, flows and elevations.



### **AGNICO EAGLE**

# **GROUNDWATER MONITORING**

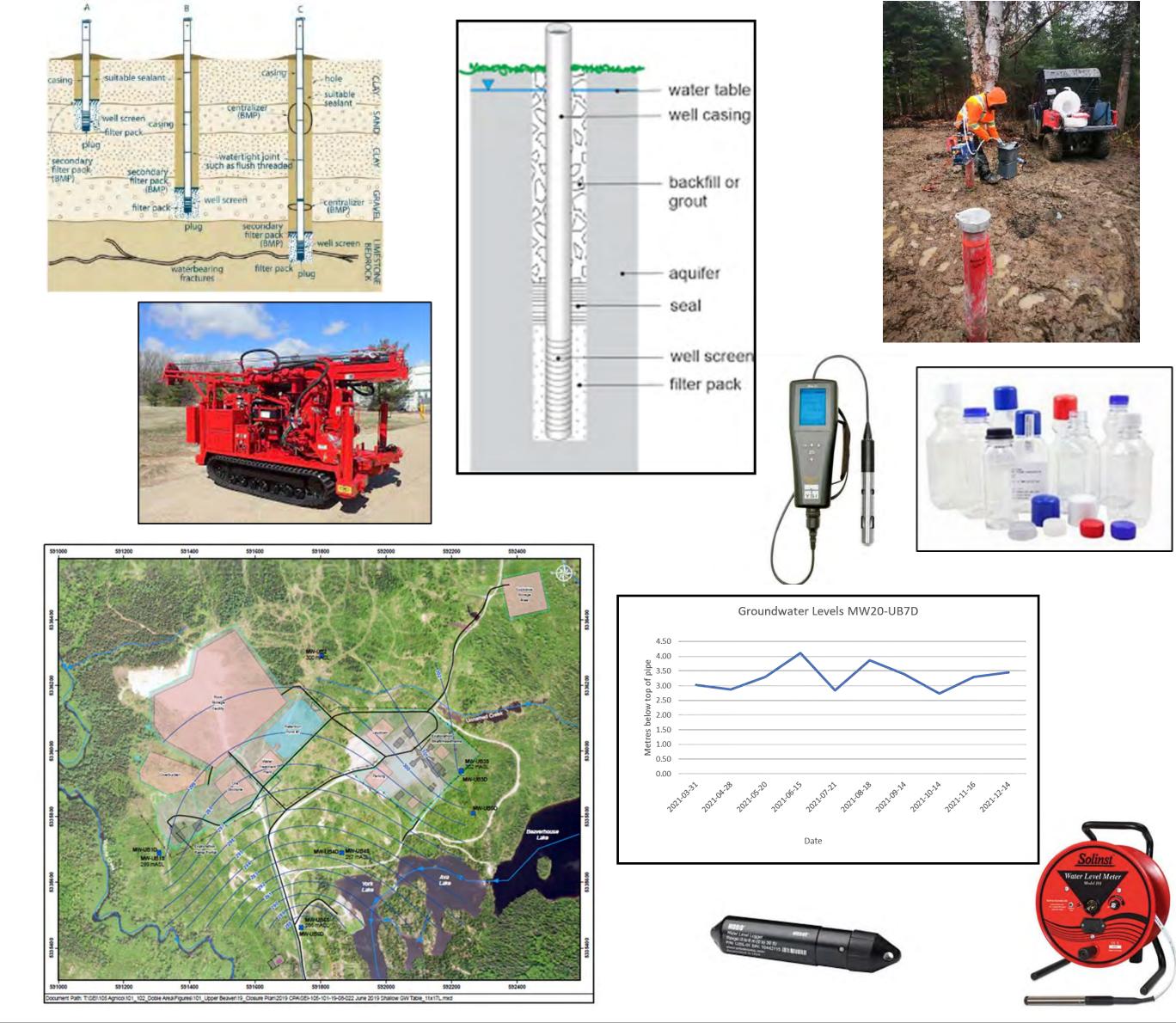




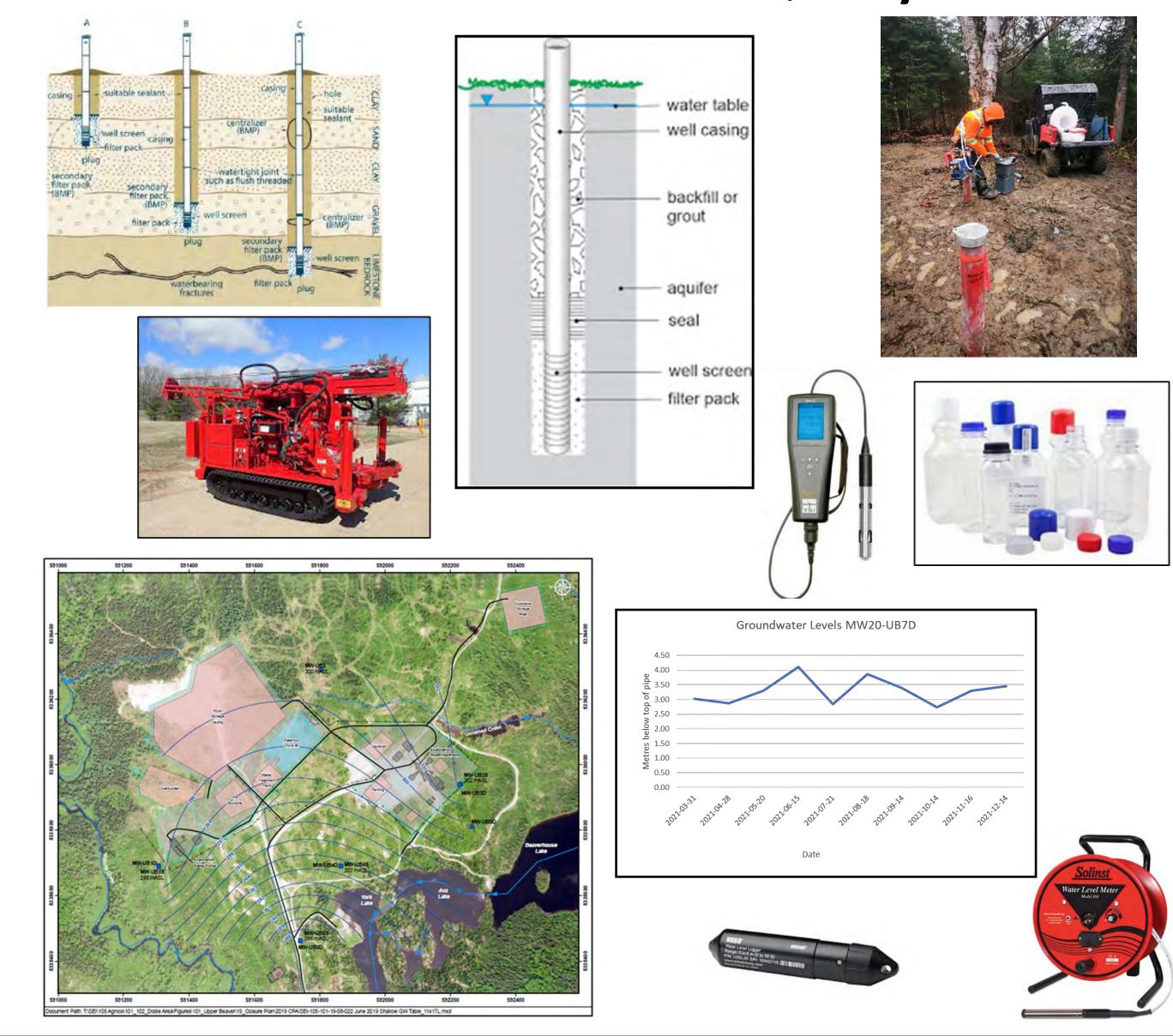
**UPPER BEAVER** 

PROJECT

# How to Determine Groundwater Quality and Levels











### **Interesting Facts**

## **Monitoring:**

- Thrice yearly water quality sampling
- Quarterly level logger readouts and manual water level measurements in conjunction with water quality sampling

Some wells have been sampled since 2011.

20 new monitoring wells were added to the program in 2022/2023.

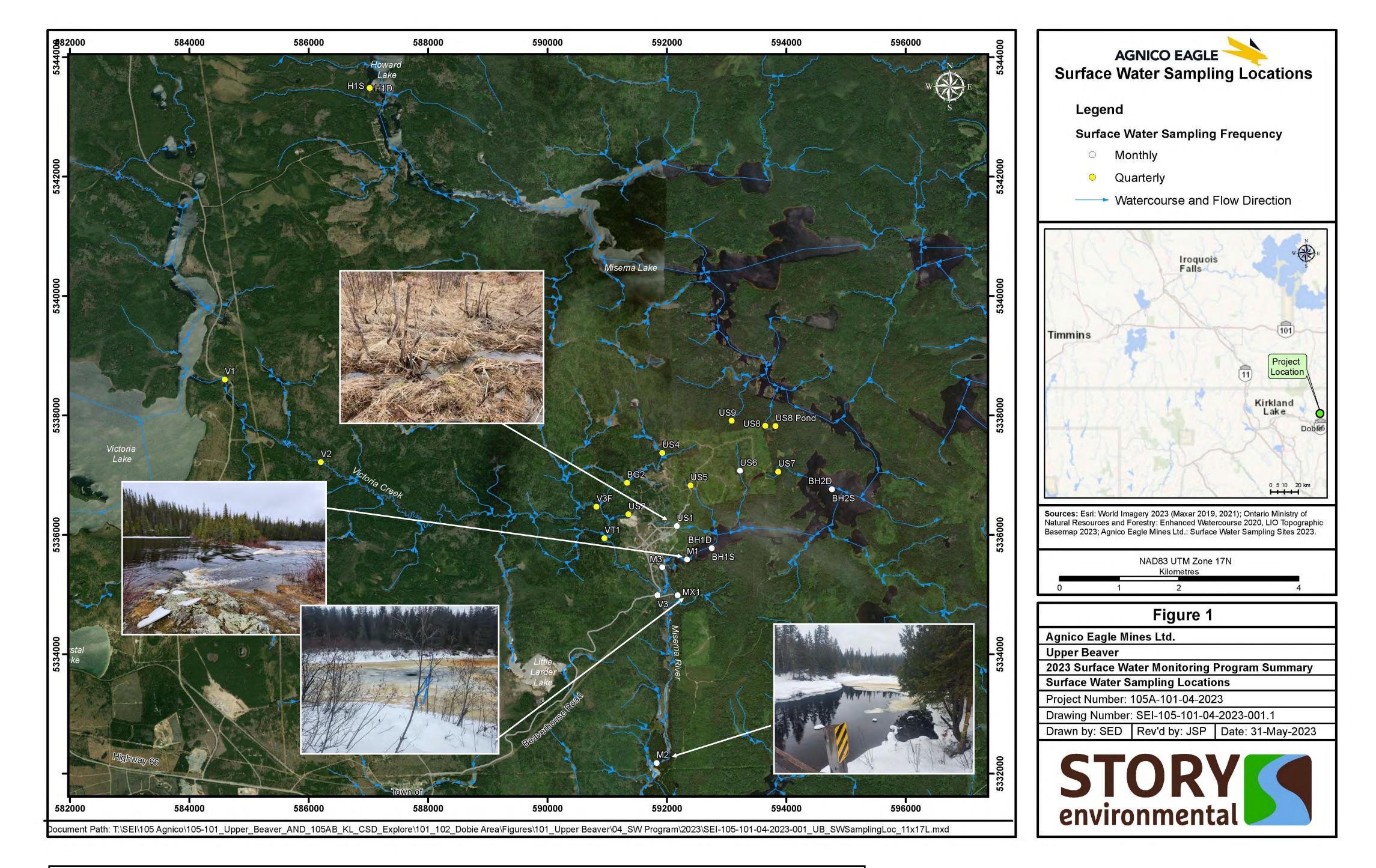
There are a total of 47 monitoring wells on and around the project site.



Table 2: Water quality, flows and elevations.

**AGNICO EAGLE** 

# **SURFACE WATER MONITORING**



# How to Determine Surface Water Quality







Canar	al Parameters
	al Parameters
Field	Lab
рН	рН
Temperature	Hardness (as CaCO3)
Condcuctivity	TSS
Dissolved Oxygen	TDS
ORP	тос
	DOC
Nutrie	nts and Anions
Acidity (as CaCO3)	Chloride
Alkalinity (as CaCO3)	Flouride
Sulfate	Low level Phospohorous
Free and Total Cyanide	•
Nitrate	
Nitrite	
Ammonia	
unnionized Ammonia	
	Metals
Full Total and Dissolve	d Metals ICP-MS

\*low level total methylmercury and ultra-low



# **Interesting Facts**

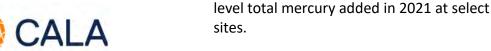
**UPPER BEAVER** 

PROJECT

### **Number of Samples:**

- 9 Monthly
- 16 Quarterly







## Surface Water Quality Compared to PWQO

Analytical results were compared to Provincial Water Quality Objectives (PWQO). PWQOs were established by the MECP with the goal to protect aquatic life through all life stages for indefinite exposure and recreational uses.

Sampling Site	pН	Dissolved Aluminum	Total Cadmium	Total Chromium	Total Copper	Total Iron	Total Lead	Total Phosphorus	Total Silver	Total Zinc	
H1S		Х			Х	х		х			: References Sites
H1D	x <sup>1</sup>	х			х	х	х				
BH1S	х	х	x <sup>1</sup>		х						:Downstream of
BH1D	x <sup>1</sup>	x			х	х	x	x <sup>1</sup>			Historical Activities/Project
BH2S	x <sup>1</sup>	х								x <sup>1</sup>	
BH2D		Х					X				<sup>1</sup> : Only one sample
M1	x <sup>1</sup>	х			х	х			x <sup>1</sup>		
M3	х	х			х	х			x <sup>1</sup>	x <sup>1</sup>	
M2	х	х	x <sup>1</sup>		х	х		х			
V1	x <sup>1</sup>				x <sup>1</sup>						
V2				x <sup>1</sup>		x <sup>1</sup>					
V3	x <sup>1</sup>	х		х	х	х					

In Northern Ontario, it is normal to have metals such as aluminum, copper, iron, and others elevated in surface waters due to the richness of minerals in the Canadian Shield. This is the reason why there are so many profitable mines located in the Canadian Shield in Northern Ontario.

Some sites have been sampled since 2010.

There are a total of 25 sampling locations on and around the project site.

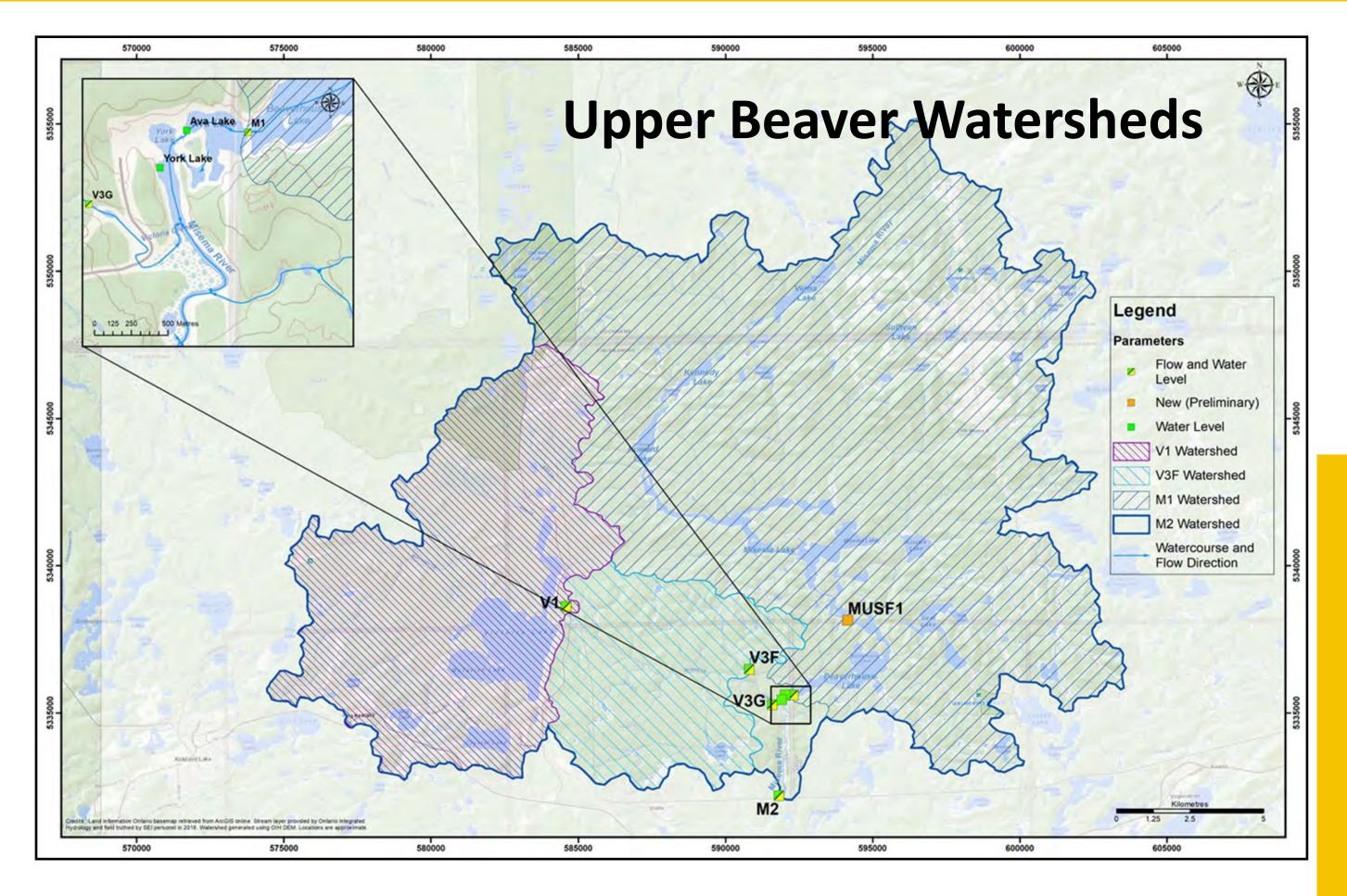




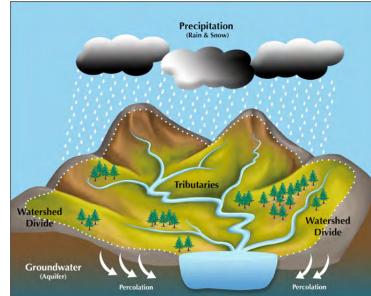
Table 2: Water quality, flows and elevations.

**AGNICO EAGLE** 

# Hydrology– Flows & Water Levels



A watershed is an area of land that drains water into a specific waterbody.



**UPPER BEAVER** 

PROJECT

# **Interesting Facts**

**5** hydrology sites established (flow and water level)

# How to Determine Flows and Water Levels







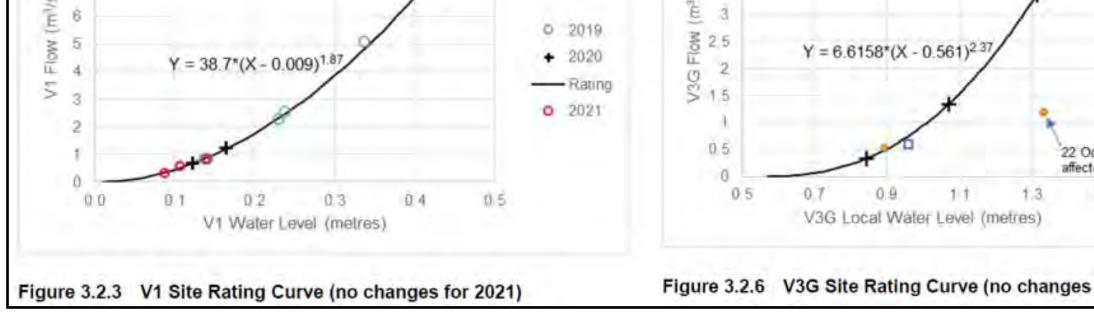
Relationship betw	Curves een water elevation and flow	/S	
10	4	6	1
8	/	-4	/
a 7		(g) 3.6	+

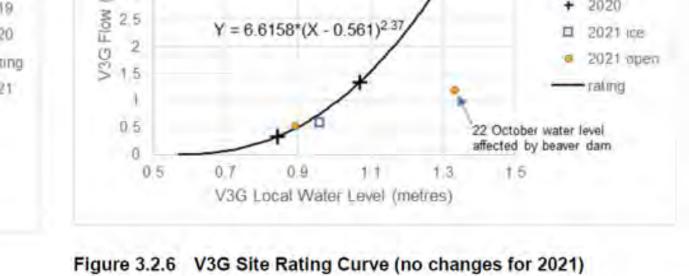
- . MUSF1 established in fall 2021
- **2** lake water level sites (York Lake and Ava Lake)
- . Reference sites V1, V3F, and MUSF1

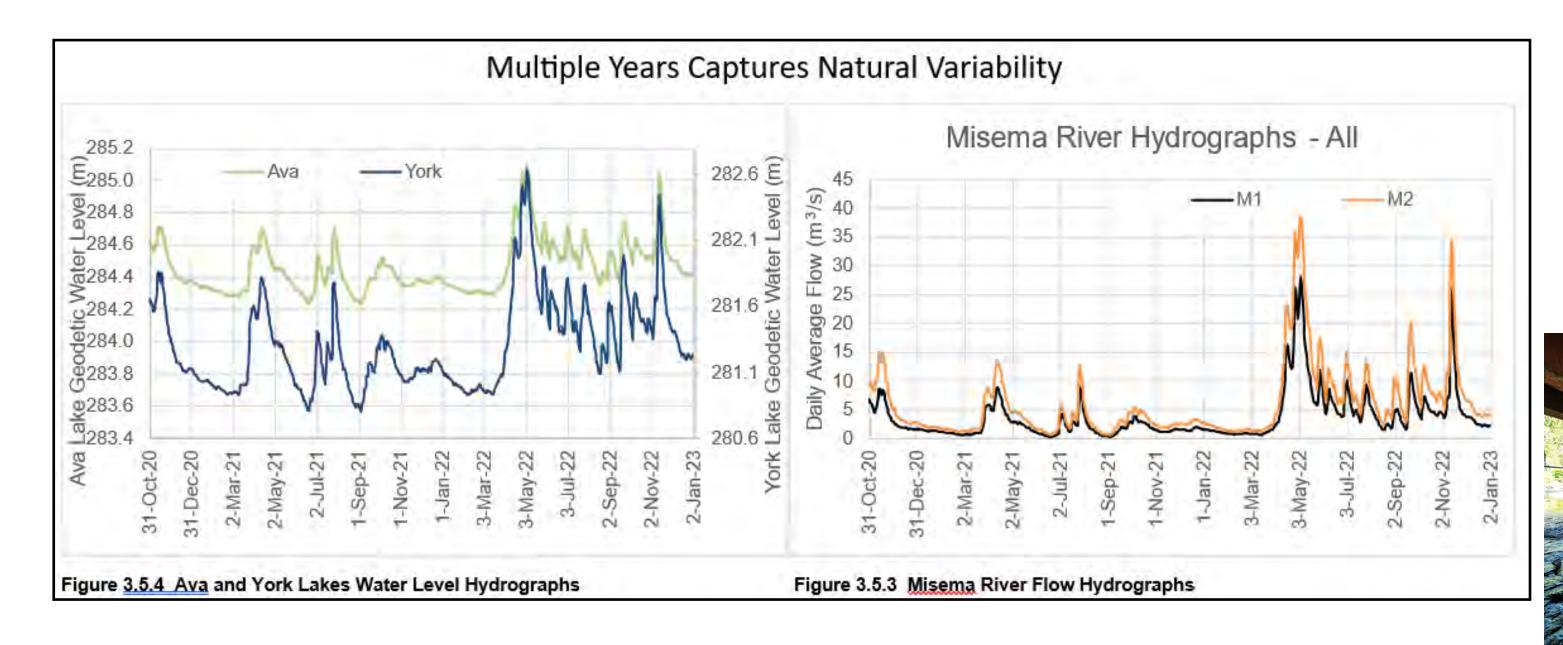


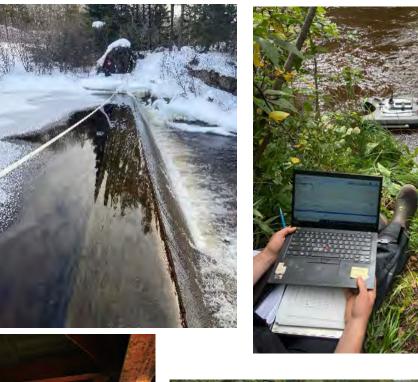




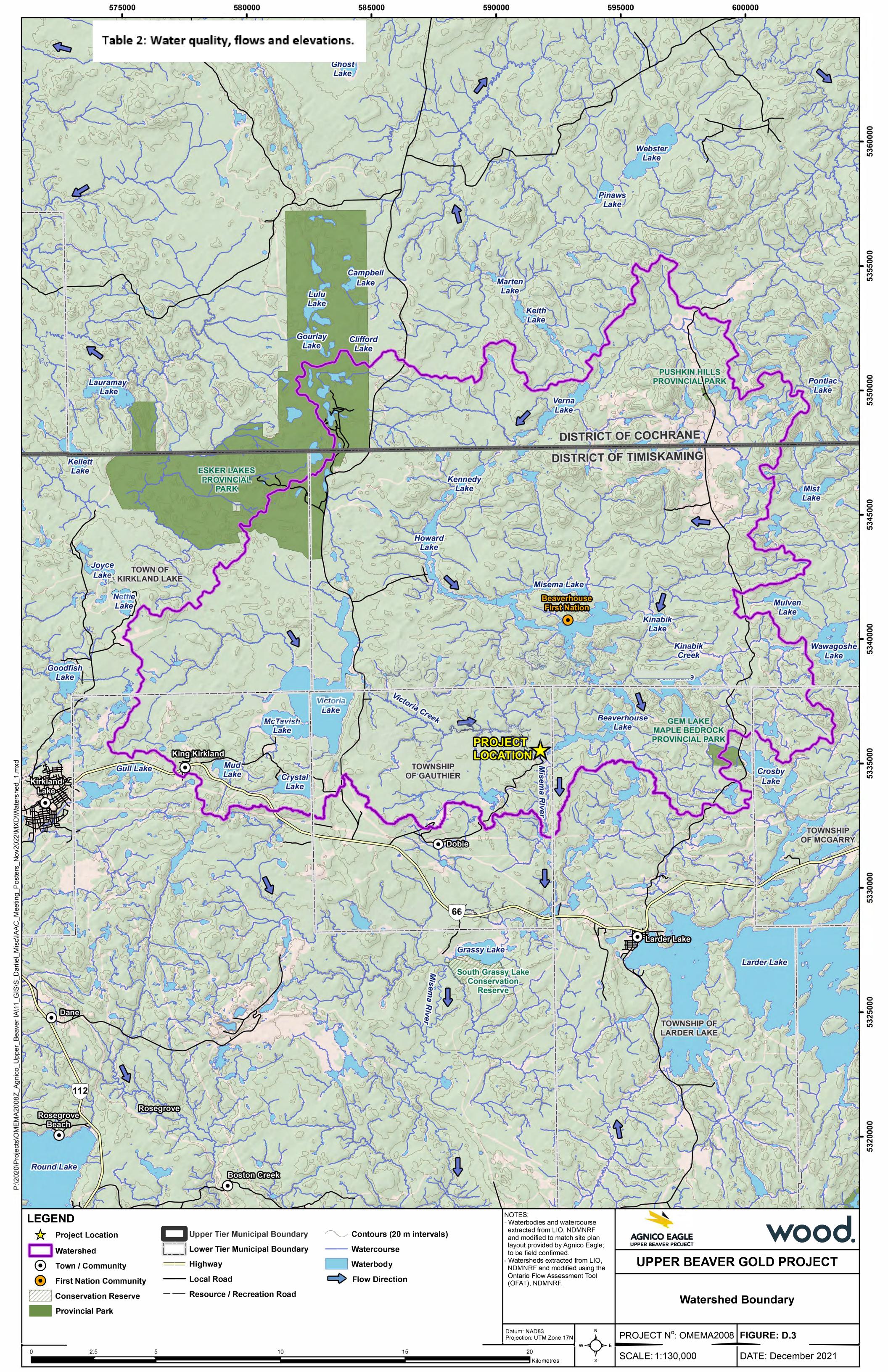


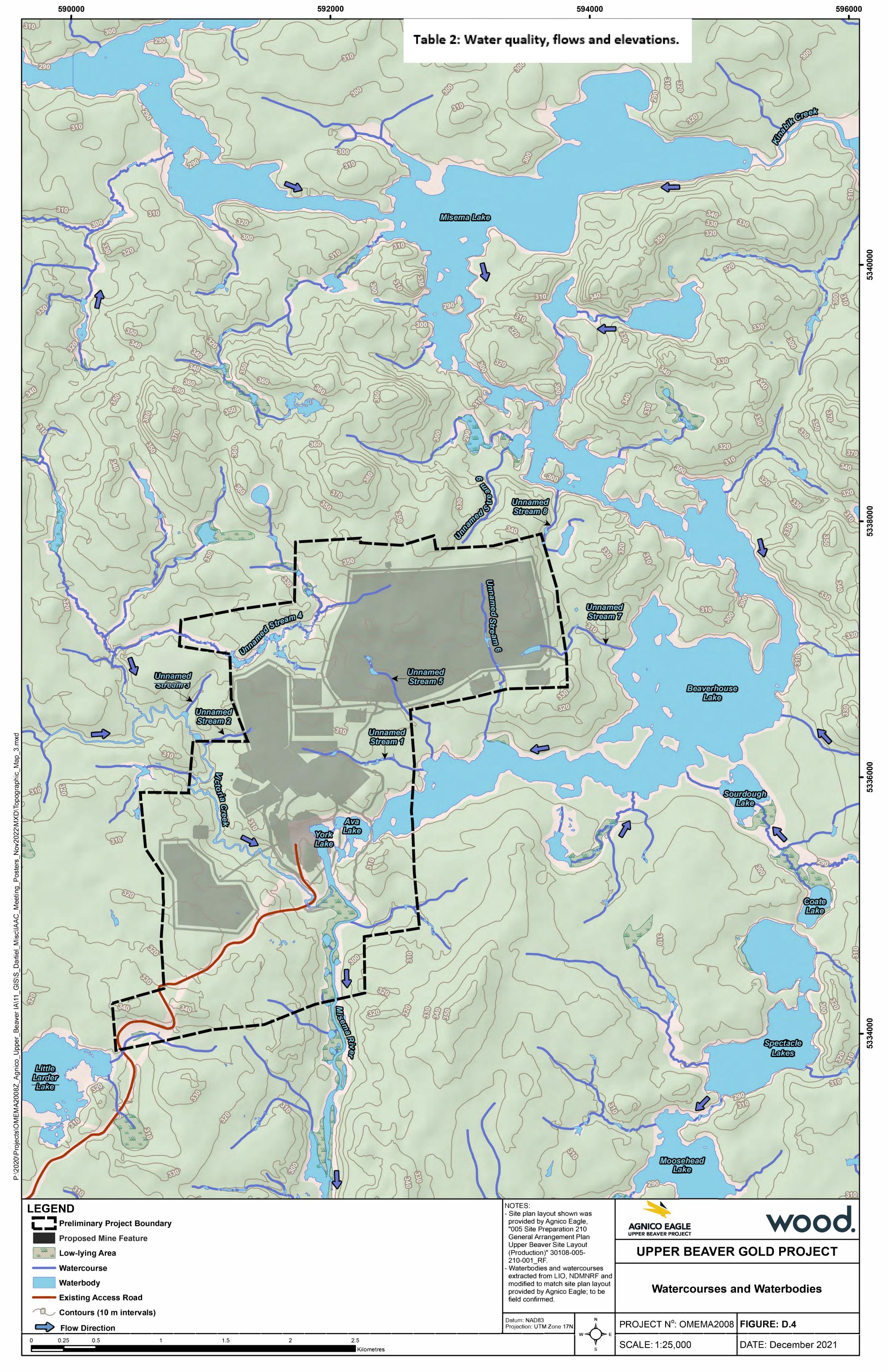












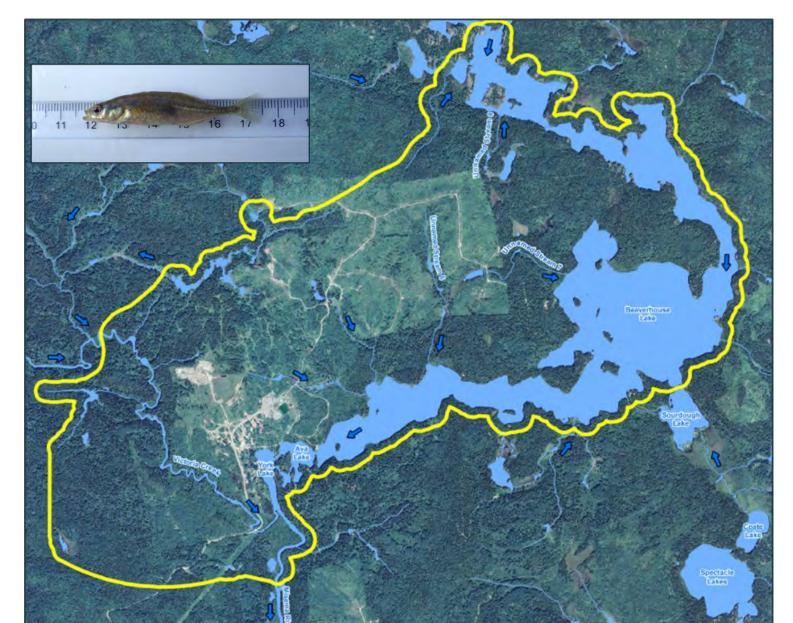


#### Table 3: Fish and fish habitat

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# **Fish and Fish Habitat**

### Fish and Fish Habitat Study Area



### Context of Fish and Fish 2021-2022 Studies

- Sampled locations potentially impacted by the project
- Characterize existing conditions for aquatic habitats; no fish Species at Risk present; habitats are common and widespread in the region

Aquatic Study Area included:

- Lakes: Beaverhouse, Ava and York
- **River:** Misema River
- **Stream/Creek:** Victoria Creek, Unnamed Tributaries to
  - **Beaverhouse Lake and Victoria Creek**



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#### Fish and Fish Habitat - 2022 Sample Locations

#### **Aquatic Resources**

- Fish Community (multi-season and various gear types)
- Fish Tissue (e.g., Mercury)

#### **Surface Water**

- In-field and Laboratory Samples
- Profile (Temp. / Dissolved Oxygen) ٠
- Primary Productivity (lower trophic)

#### **Habitat Assessment**

- Stream width, depth, vegetation ٠
- Substrate / Bottom types •

#### **Sediment Quality and Benthic Invertebrate Community**

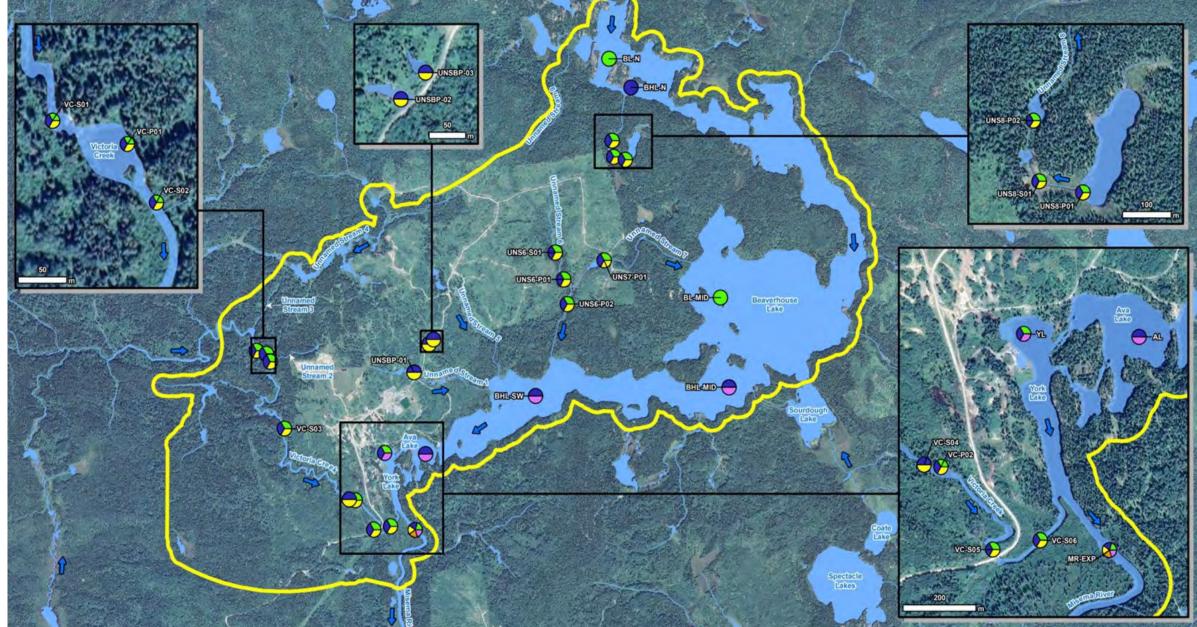
- Chemistry & particle size •
- Density & Diversity

# Lake Results

- Sport Fish: Northern Pike, Walleye, Lake Whitefish, Cisco (Herring), Smallmouth Bass, Yellow Perch, Burbot
- Northern Pike and Walleye tissue mercury > White Sucker and Lake Whitefish.
- Productivity: Copepods (crustaceans), Daphnia (water fleas) & invertebrates support food web.
- Water: Background Iron, Manganese, Mercury >PWQO/CCME; Copper (York Lake).
- Sediment: TOC, Chromium, Iron, Nickel >PSQG/CCME (Ava and York lakes).

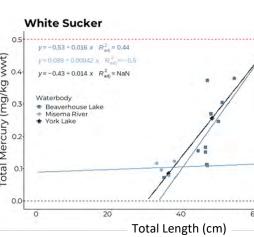


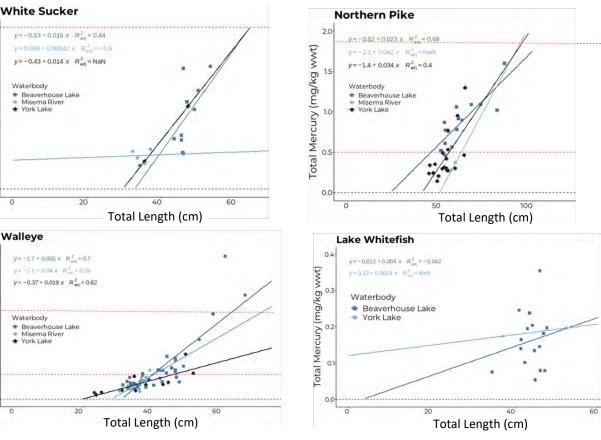




### **Mercury in Fish Tissue**

- Black dashed line represents the lowest detection limit during analysis (0.001 mg/ kg wwt).
- Consumption advisories: red dashed lines 0.05 mg/kg for women of child-bearing age and children, 1.8 mg/kg general population









Some fish were above consumption advisories as is common in northern Ontario for larger, piscivorous (fish eating) species (Pike and Walleye).

# **Pond Results**

- Sport Fish: None.
  - Forage Fish: Northern Redbelly Dace, Fathead Minnow, Brook Stickleback, Finescale Dace
- Fathead Minnow composite tissue Methylmercury >0.033 mg/kg wwt.
- Water: Support warm to cool water biota.
- Sediment: Iron, TOC >PSQG/CCME, also Chromium and Nickel (one-sample).



## **River and Creek Results**

- Sport Fish: Northern Pike, Smallmouth Bass, Yellow Perch, Walleye, Lake Whitefish.
- Forage Fish: Brown Bullhead, Creek Chub, Common Shiner, Logperch, Fathead Minnow, Brook Stickleback, Finescale Dace, Northern Redbelly Dace, Longnose Dace, Slimy Sculpin
- Creek Chub composite tissue Methylmercury >0.033 mg/kg wwt. ٠
- Water: Support cool to cold water biota.
- Sediment: TOC; localized Chromium, Copper, Manganese, Nickel >PSQG/CCME.







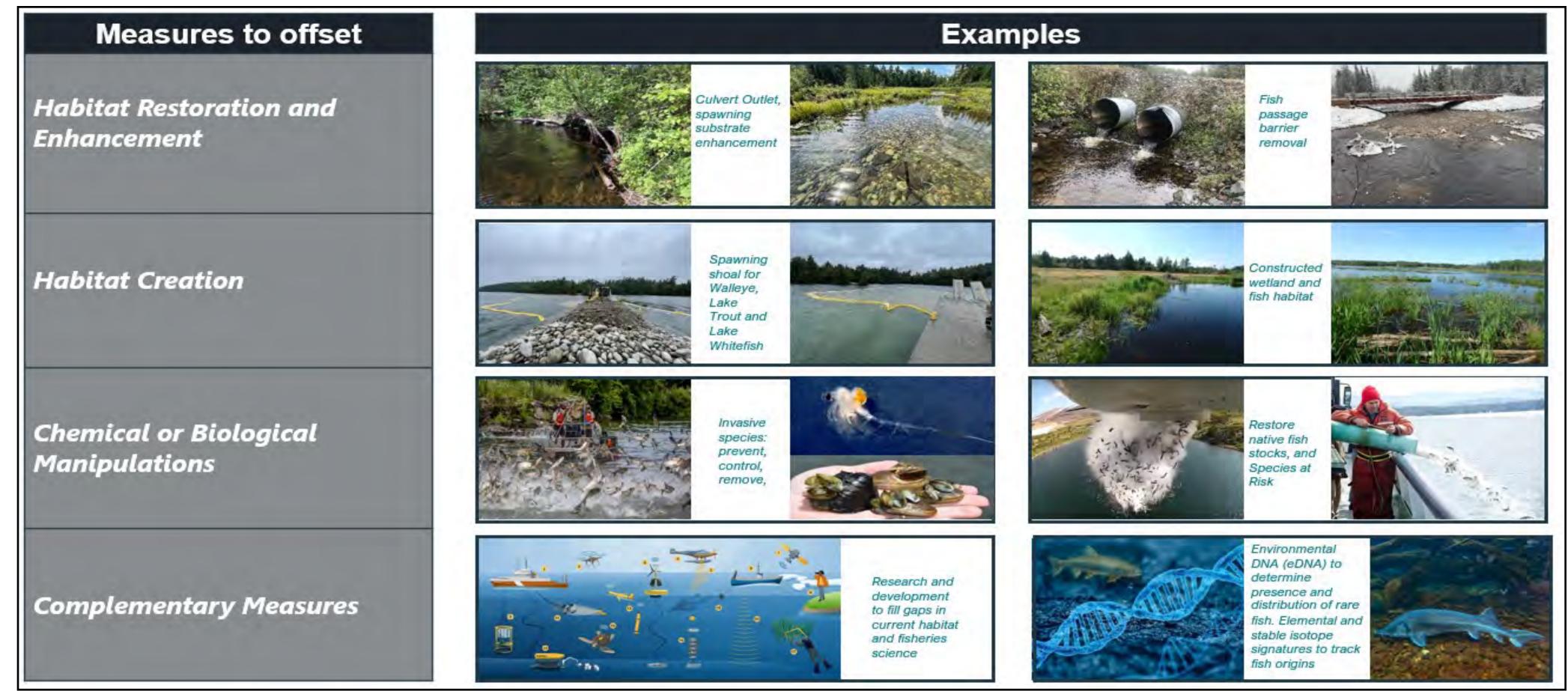
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# Fish and Fish Habitat Offsetting and Compensation

# **Types of Offsets and Compensation**

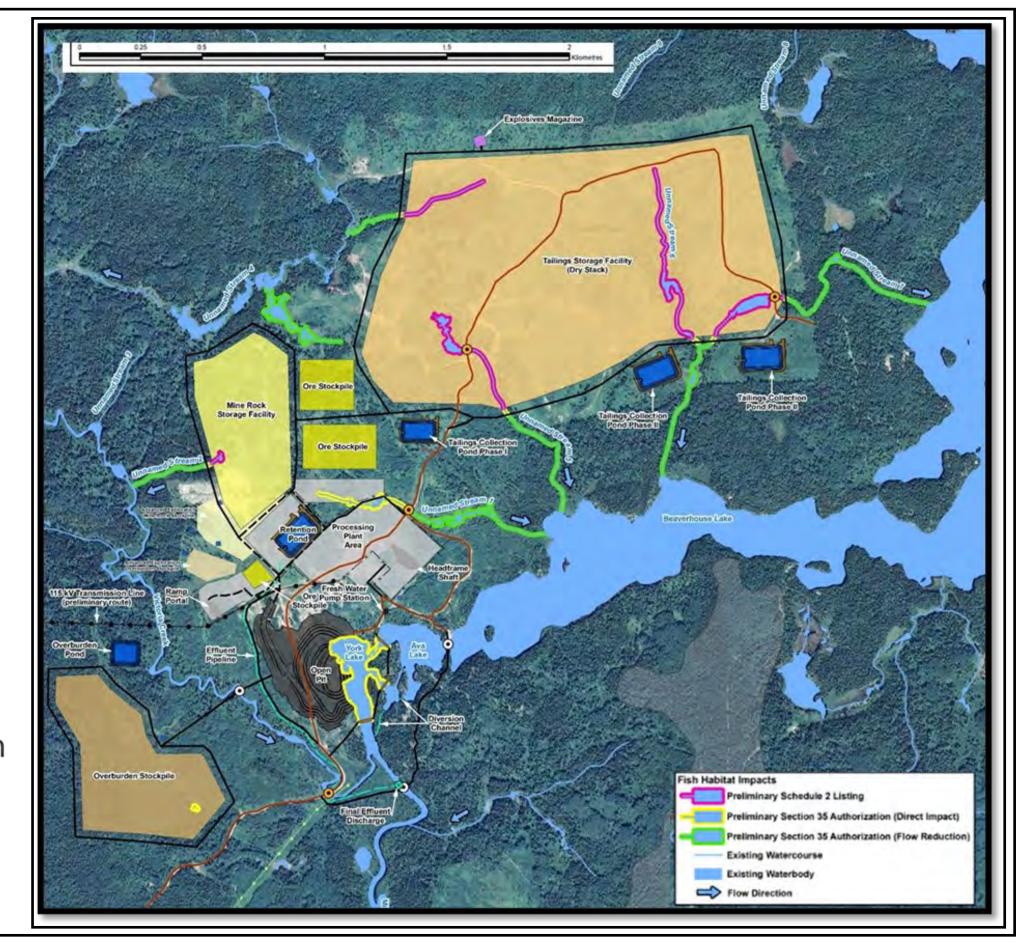


	Measures to offset may be grouped into four general categories
Habitat Restoration and Enhancement	<ul> <li>Examples of habitat restoration and enhancement measures to offset may include but are not limited to:</li> <li>Increasing structure through the placement of coarse material or large woody debris to improve fish habitat components such as spawning beds, reefs, etc.;</li> <li>Increasing shoreline complexity;</li> <li>Stabilizing riverbanks using bioengineering methods and re-vegetating of riparian areas;</li> <li>Improving access to off-channel habitats;</li> <li>Removal of anthropogenic barriers to fish migration;</li> <li>Establishing or enhancing vegetated areas in lakes, estuaries and coastal areas; or</li> <li>Improving local hydraulic conditions to favour certain functions of fish habitat.</li> </ul>
Habitat Creation	Habitat creation is the development or expansion of aquatic habitat into a terrestrial area. These measures to offset can be used when the fish habitat that was degraded and cannot be restored by manipulation of the original or surrounding fish habitat. Examples of measures to offset for habitat creation may include but are not limited to the creation or expansion of natural stream channels, lakes, side channel habitats, wetlands, or bays.
Chemical or Biological Manipulations	This group of measures to offset includes chemical manipulation of waterbodies to address water quality issues, stocking of fish or shellfish, and management or control of aquatic invasive species. These measures should be used only when the other types of measures to offset are not available, and only under specific circumstances, such as where the site-specific issues are well understood, the limitations to fish production are known, and fisheries management objectives are clear for the fishery.
Complementary Measures	Complementary measures are actions like data collection and scientific research related to maintaining or enhancing the conservation and protection of fish and fish habitat. Complementary measures may be considered in areas where there are limited opportunities for on-the-ground measures to offset fish and fish habitat residual effects and where there is limited understanding or data on fish populations. Complementary measures may comprise up to 10% of the required amount of the measures to offset (i.e., restore, enhance or create fish habitat); the remaining 90% of the amount of measures to offset should consist of habitat enhancement, restoration or creation.

**Most of the Impact:** to fish habitat results from the removal of York Lake and unnamed ponds within the Tailings Storage Facility.

Some tributary creeks will experience a reduction in flows but will continue to function as habitat for forage fish (baitfish).

**DFO Offsetting Policy:** "The objective of **measures** to offset is to support the conservation and protection of fish and fish habitat by counterbalancing the residual death of fish and/or harmful alteration, disruption or destruction of fish habitat resulting from carrying on works, undertakings or activities authorized under the *Fisheries Act*".





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# **Terrestrial Environment - Overview**

## **Terrestrial Ecosystem and Wildlife Studies**

Specific and targeted surveys for vegetation and wildlife were undertaken.

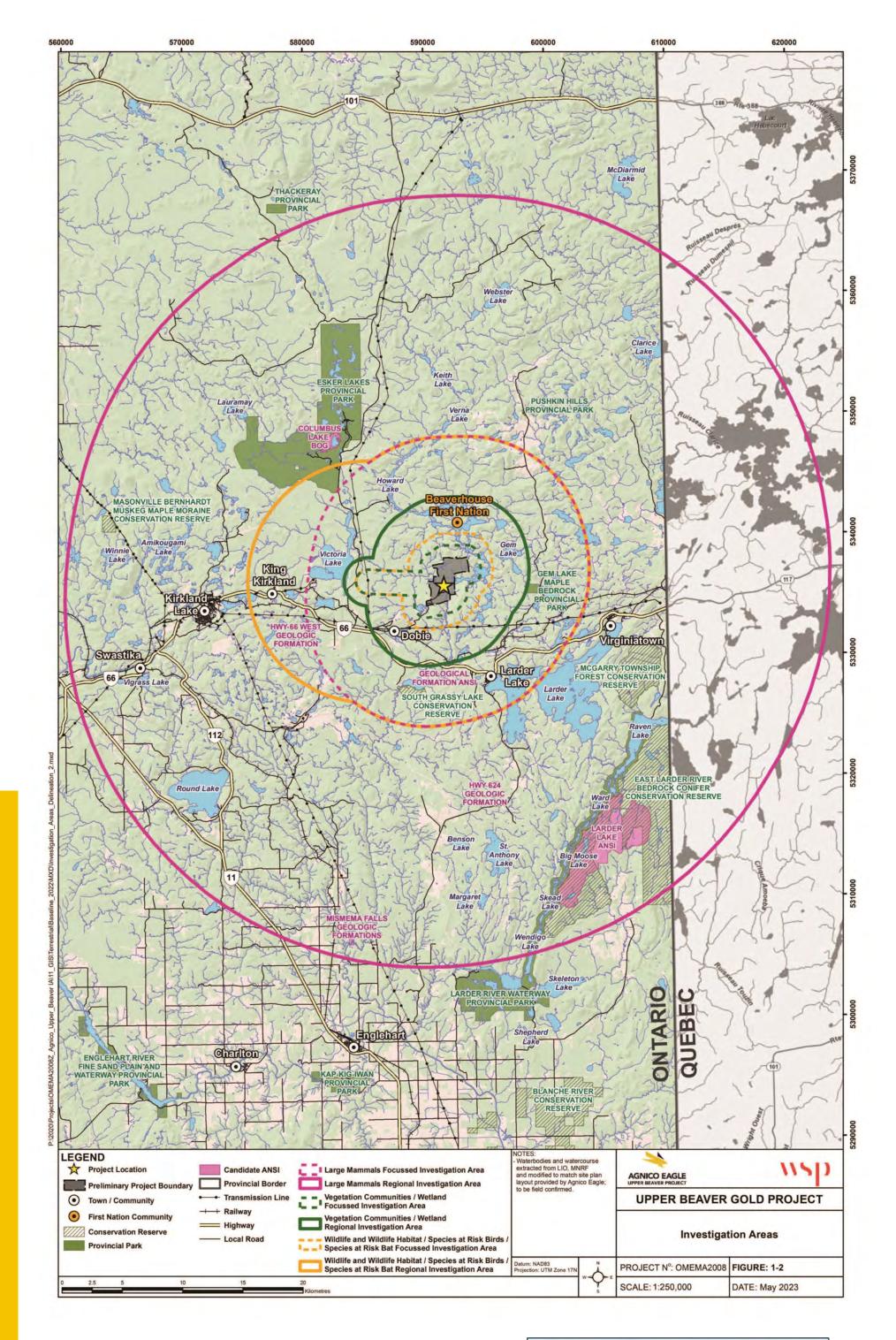
Characterize existing conditions for:

- Flora, Vegetation and Wetland communities
- Breeding birds, Migratory Birds, Marsh Birds and Raptors
- Amphibians and Reptiles Frogs, Toads, Snakes and Turtles
- Mammals Moose, Wolves, Marten, Otter, Beaver and Bats.



Terrestrial surveys were completed in areas potentially impacted by the Project and locations up to 5 km from the property boundary:

- 182 survey stations for birds (migratory, breeding and acoustic recorder methods)
- 80 survey stations for vegetation and wetland communities



- 154 survey stations for bats (habitat and acoustic recorder methods)
- 28 stations for amphibians and reptiles.

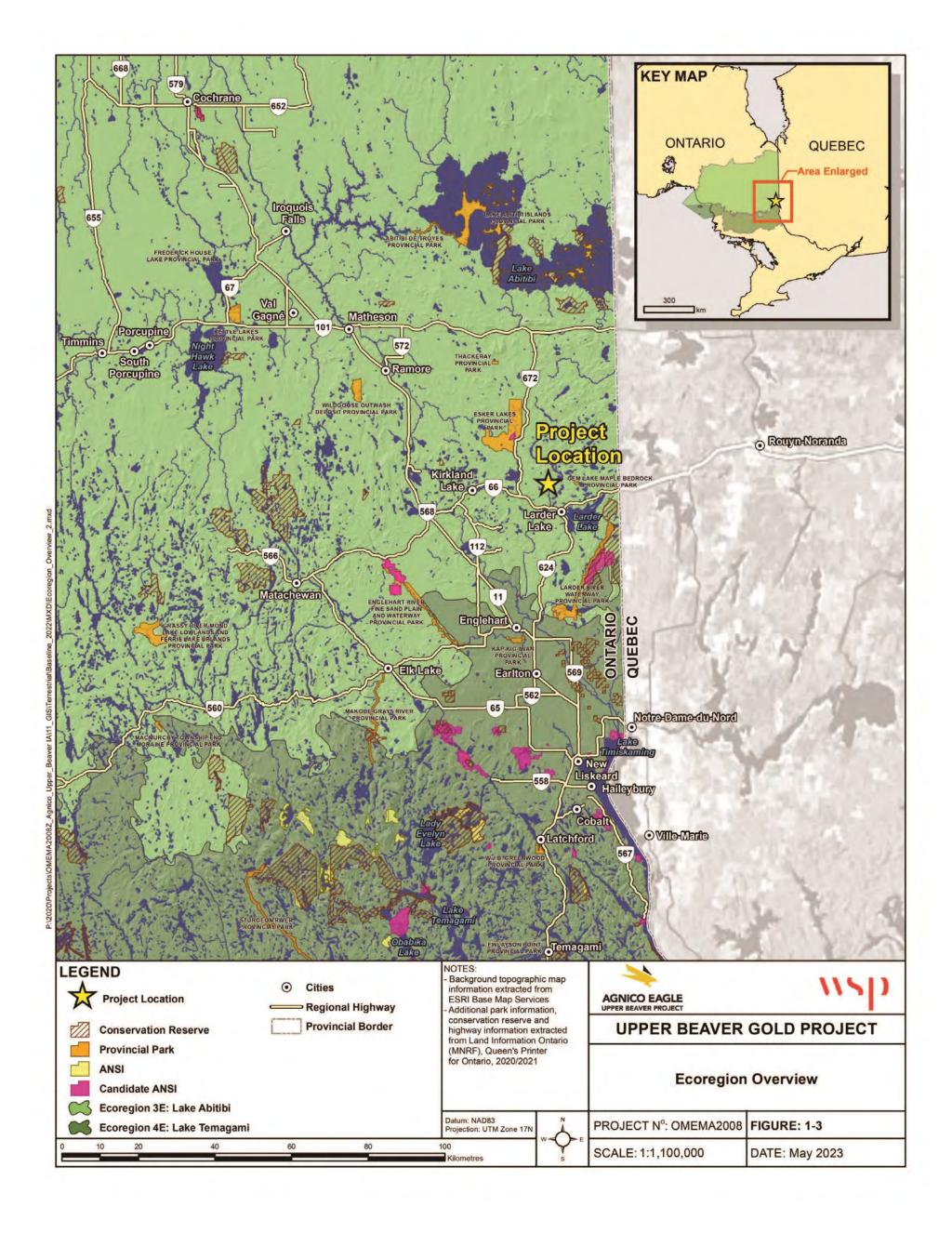
### **Desktop Screening**

Screening of available background information from existing studies, plans, databases, and other sources was completed. The desktop screening assisted in the preliminary determination of existing Natural Heritage Features and additional sensitivities. Data also included potential occurrences of species of conservation concern, including SAR and provincially rare species. Relevant background queries, studies, and reports include:

- Ontario Geohub (aggregate data from Land Information Ontario);
- Natural Heritage Information Centre (NHIC; available 1 km grid squares);
- Ontario Nature Reptile and Amphibian Atlas (ORAA; Ontario Nature, 2020; available 10 km grid squares);
- Ontario Breeding Bird Atlas (OBBA; Cadman et al. 2007; available 10 km grid squares);
- Ontario Butterfly Atlas (MacNaughton et al. 2021; available 10 km grid squares);
- Atlas of Mammals of Ontario (Dobbyn 1994);
- eBird (2021) Hotspots Larder Lake-Dublin Bay, Kirkland Lake Dump, and Crystal Beach;
  - Upper Beaver Project Terrestrial Baseline Report (Azimuth 2013); and







#### Summary of Records made by WSP - 2021/2022

1	Aerial Survey	March 18, 2021
	Amphibian Call Surveys and Nocturnal Owl Surveys	

Amphibian Call Surveys and Nocturnal Owl Surveys		
2 Migratory Bird Surveys	May 18-20, 2021	
Turtle Basking Surveys		
Breeding Bird Surveys	June 15-18, 2021	
3 Crepuscular Bird Surveys	June 14-15, 17, 2021	
Marsh Bird Surveys and Amphibian Call Surveys	June 14-15, 2021	
Bird and Bat Autonomous Recording Unit Deployment	June 16-18, 2021	
Breeding Bird Surveys	July 6-9, 2021	
Crepuscular Bird Surveys	July 5, 6, 9, 2021	
Marsh Bird Surveys and Amphibian Call Surveys	July 5, 6, 9, 2021	
Bird and Bat Autonomous Recording Unit Pick-up	July 4-7, 2021	
Ecological Land Classification (Community/Type) Surveys		
Bat Maternity Roost Habitat Assessments	August 25-September 5, 2021	
Bat Hibernacula Habitat Assessments		
Migratory Bird Surveys, including Target Surveys for Waterfowl	May 17-22, 2022	
Nocturnal Owl surveys		
Marsh Bird Surveys	May 19-21, 2022	
Amphibian Call Surveys		
Turtle Basking Surveys	May 18-20, 2022	
Bat Hibernacula Habitat Assessments	May 18-23, 2022	
Bird Autonomous Recording Unit Deployed	May 18-22, 2022	
Breeding Bird Surveys	June 10–14, 2022	
Marsh Bird Surveys and Amphibian Call Surveys	luno 0 12 2022	
Crepuscular Bird Surveys	June 9-13, 2022	
Bird and Bat Autonomous Recording Unit Deployment	June 9-14, 2022	
Breeding Bird Surveys	July 4-7, 2022	
Marsh Bird Surveys and Amphibian Call Surveys	July 4-6, 2022	
Crepuscular Bird Surveys	July 3–6, 2022	
Bat Maternity Roost Autonomous Recording Unit Deployed	July 3-7, 2022	
Bird Autonomous Recording Unit Deployed	June 9-14, 2022	
Ecological Land Classification (Community/Type) Surveys	August 25-30, 2022	
Moose Aquatic Feeding Area Surveys		
Eastern Whip-poor-will Habitat Surveys	August 25-29, 2022	
Bird Autonomous Recording Unit Pick-up		
Bat Maternity Roost Autonomous Recording Unit Pick-up	August 25-27, 2022	
0 Migratory Bird Surveys and Wetland Surveys	September 17-19, 2022	









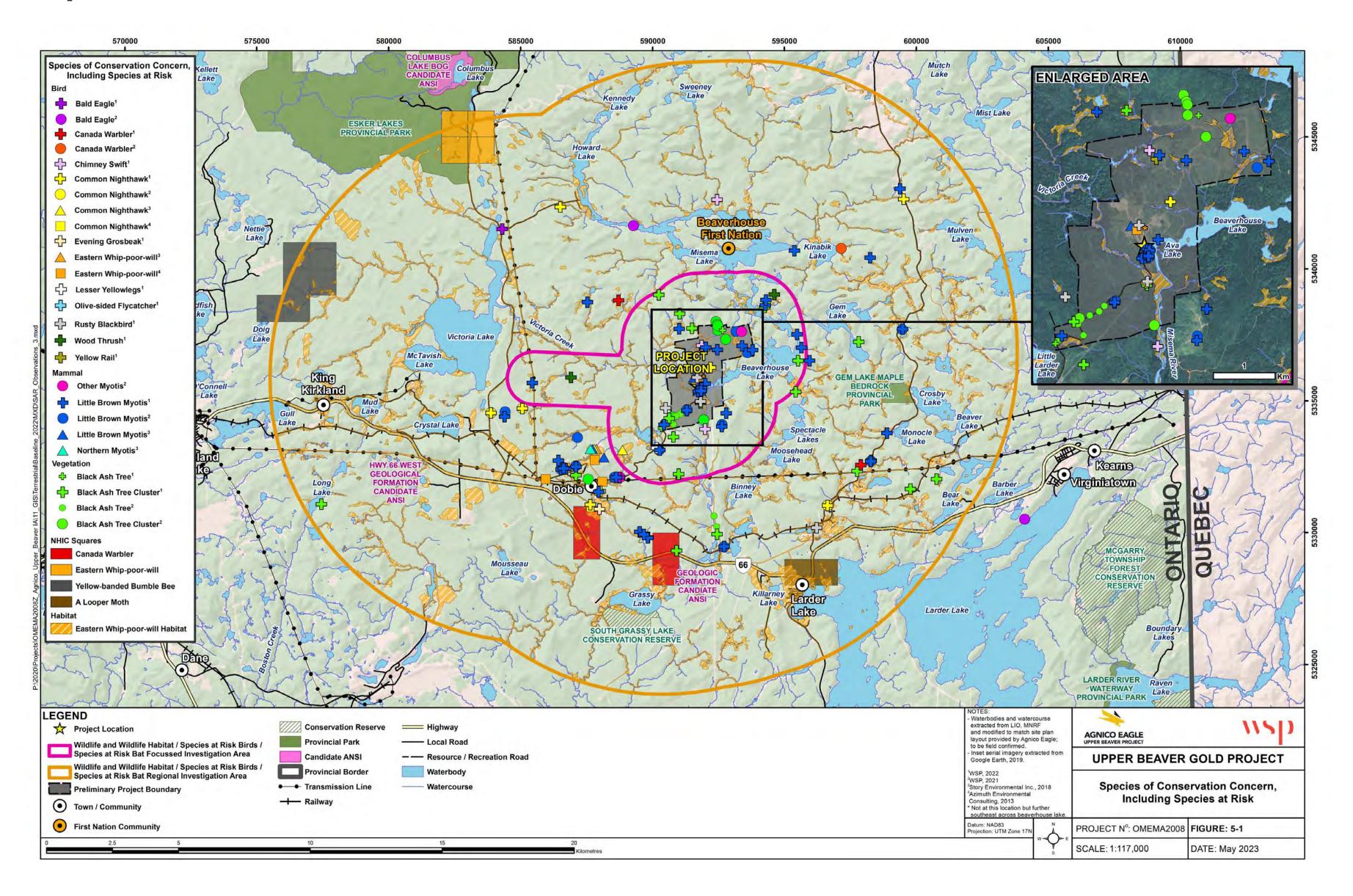
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# **Terrestrial - Significance Screening**

## **Species at Risk Location**



# Species at Risk (SAR) were detected during baseline surveys to date

Viewed or Identified as present within the UB project area:

- . Little Brown Myotis
- . Black Ash (not currently protected).

Identified as present in the local area off site:

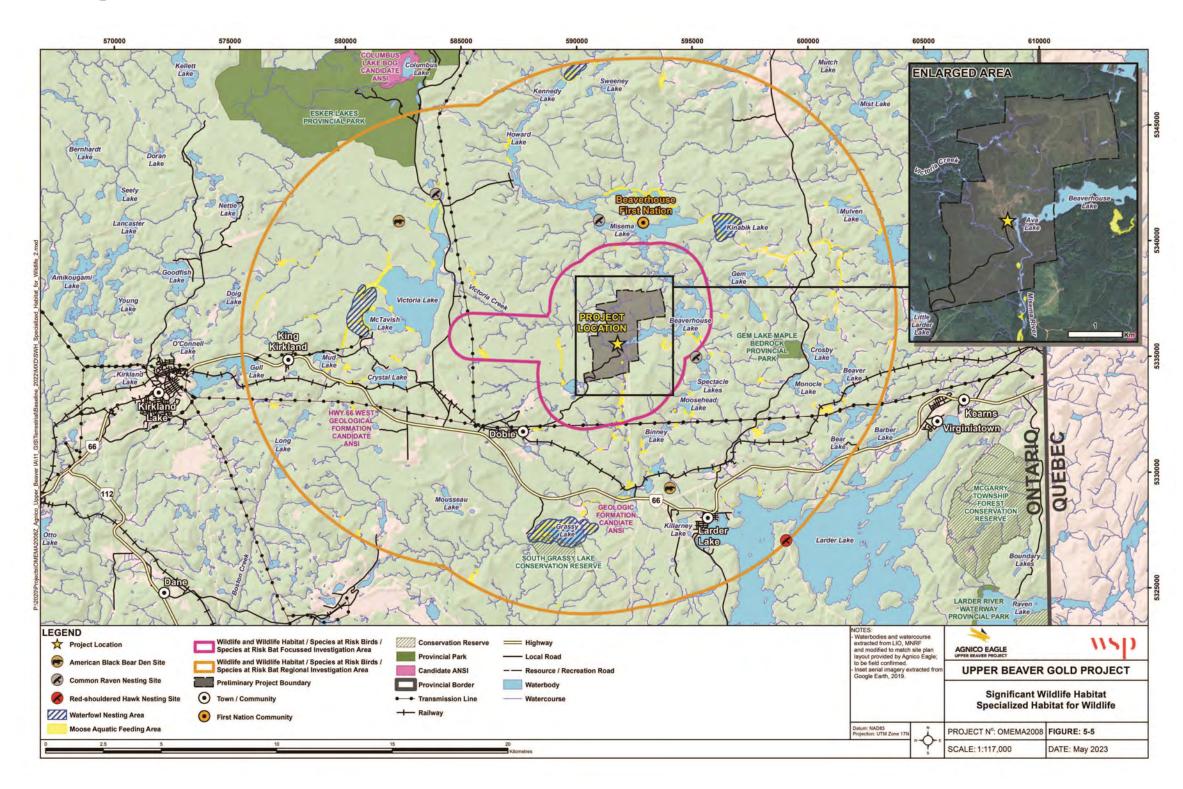
- Canada Warbler
- Common Nighthawk
- Eastern Whip-poor-will
   Dold Foods





- . Species at Risk:
- . Natural Heritage Features
- Significant Wildlife Habitat
- Seasonal Concentration Areas
- Seasonal Concentration Areas
- Rare Vegetation Communities or Specialized Habitat

### Significant/Specialized Habitat for Wildlife



- Habitats of Species of Conservation Concern
- . Animal Movement Corridors





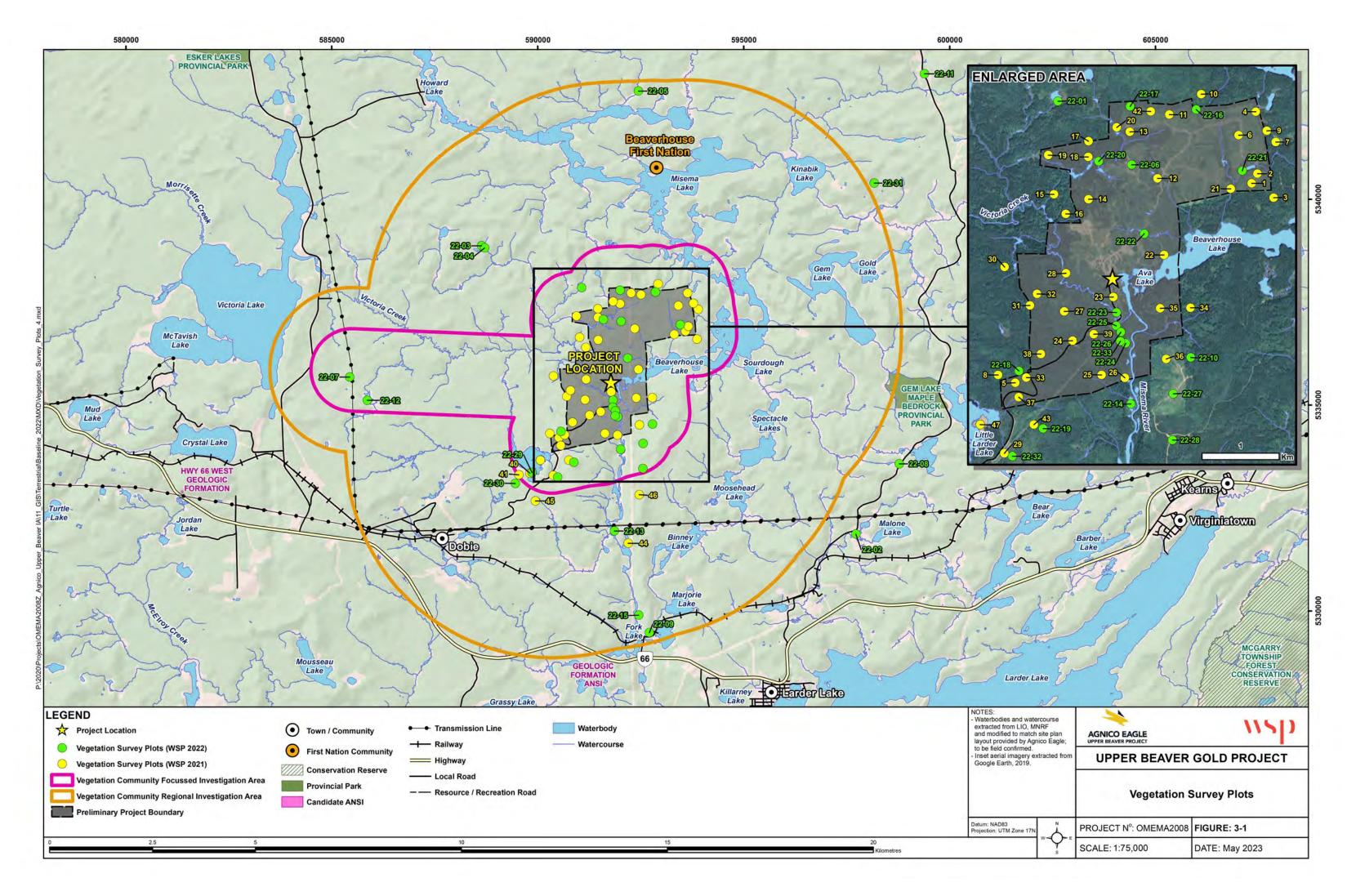




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# **Terrestrial - Vegetation**

# **Vegetation Survey Locations**





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Coniferous Forest: Jack Pine-Black Spruce Dominated



Deciduous Forest: Aspen – Birch Hardwood



Black Ash sapling



Deciduous Forest: Aspen - Birch Hardwood

# **Vegetation Survey Results**

- Jack Pine Black Spruce Conifer Forest, and Aspen Birch Hardwood Forest are the two most common vegetation communities within the Study Area.
- Coniferous swamp was the most common wetland community recorded.
- All vegetation and wetland communities were typical of this region of Ontario.
- Black Ash, a recently designated SAR, was recorded in 2021 in the Study Area.

#### **Terrestrial Survey - Country Foods**

Samples were collected including of vegetation (including some potential country foods) and soils to support future assessments including:

- Labrador Tea;
- Red Raspberry;
- Cattail;
- Wild Mint; and
- Soils

Analyses completed for total metals, mercury and other parameters.

# **Terrestrial - Amphibians & Reptiles**

### **Amphibians Survey Locations**







Snapping turtle





#### Wood frog

American toad

Mink frog

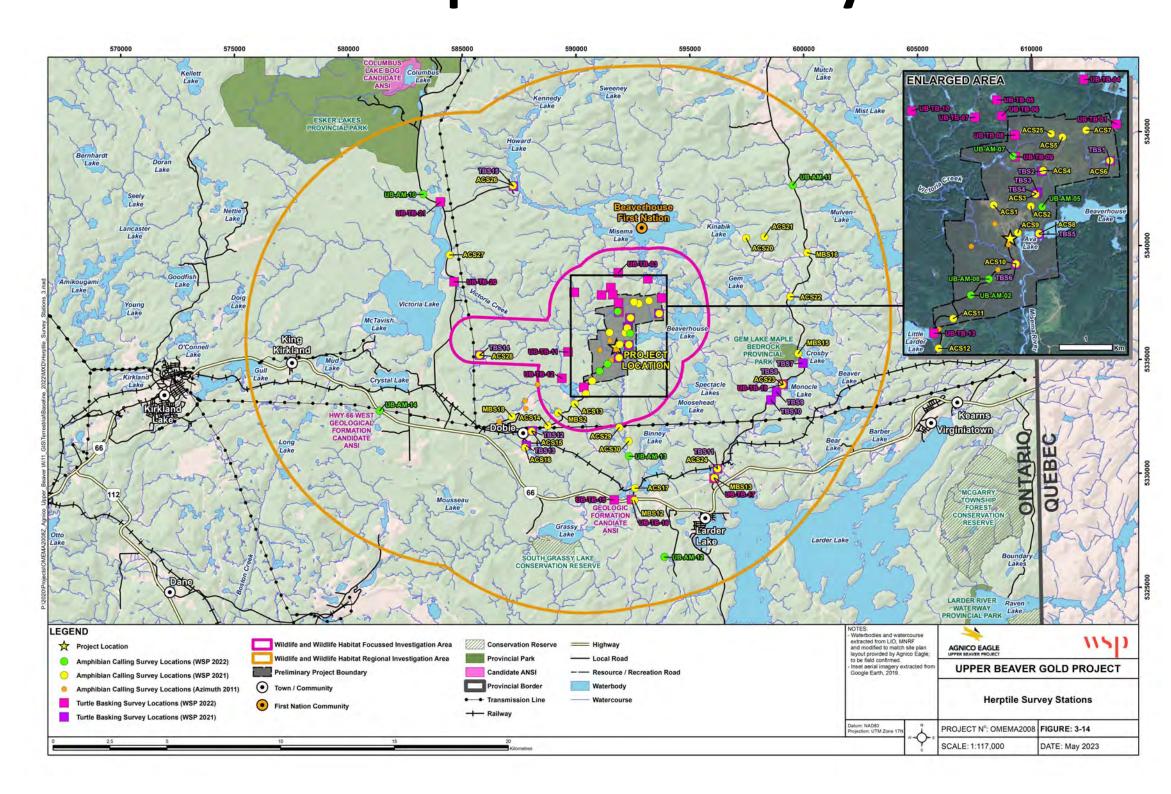
Eastern

Green frog

Eastern gartersnake

# **Amphibians & Reptiles Survey Results**

- American Toad, Green Frog, Mink Frog, Northern Leopard Frog, and Spring Peeper were recorded during amphibian call surveys in 2021.
- Blue-spotted Salamander, Eastern Red-backed Salamander, and Red -spotted Newt could occur.
- Targeted turtle basking surveys were completed, and no turtles were documented. Snapping Turtle and Midland Painted Turtle occur in the area.
- Eastern Gartersnake was recorded in 2021.





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# **Terrestrial Environment - Mammals**

# **AERIAL SURVEY**

Within the study area, the aerial survey will measure:

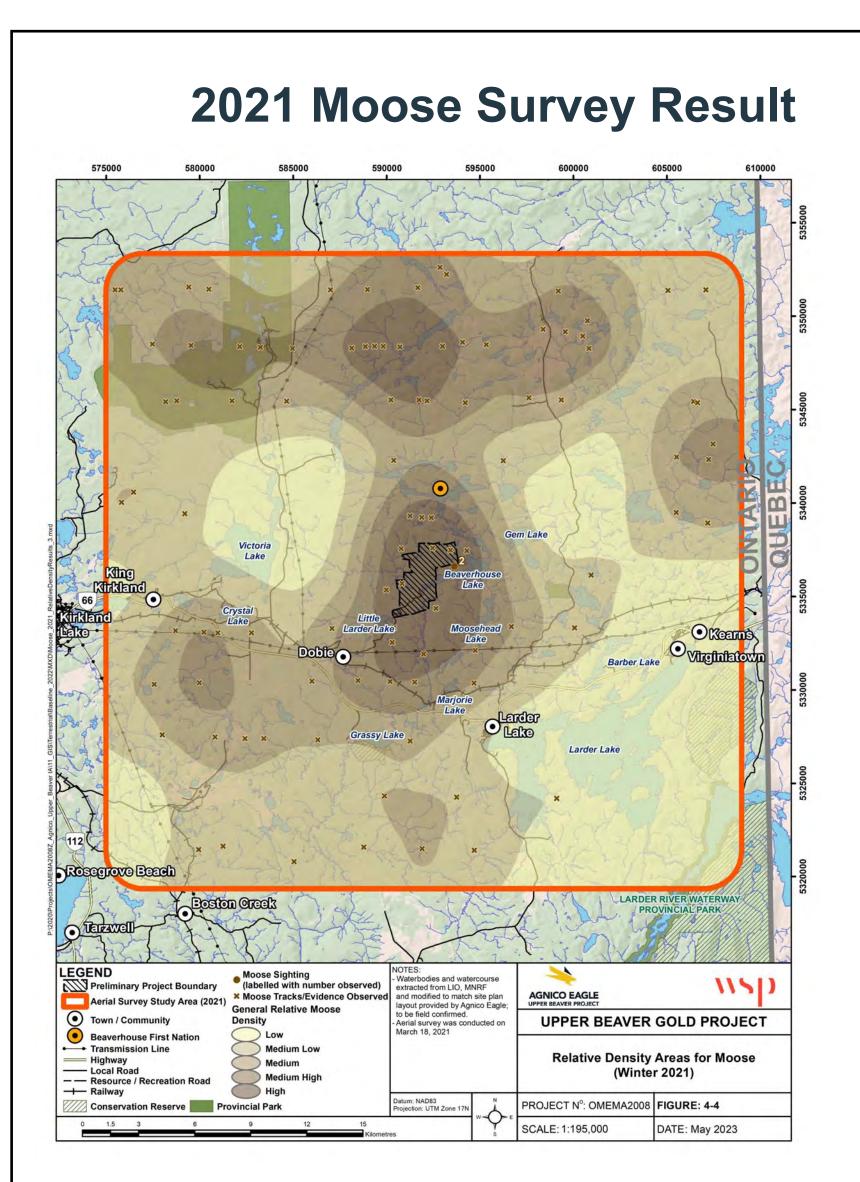
- Distribution, structure and abundance of Moose and their predators (Wolves)
- . Size and location of potential winter range areas for Moose
- Distribution and abundance of Furbearer species such as Martin, Otter and Beaver
- . Distribution, abundance of breeding raptors.

# **2023 Planned Aerial Survey**



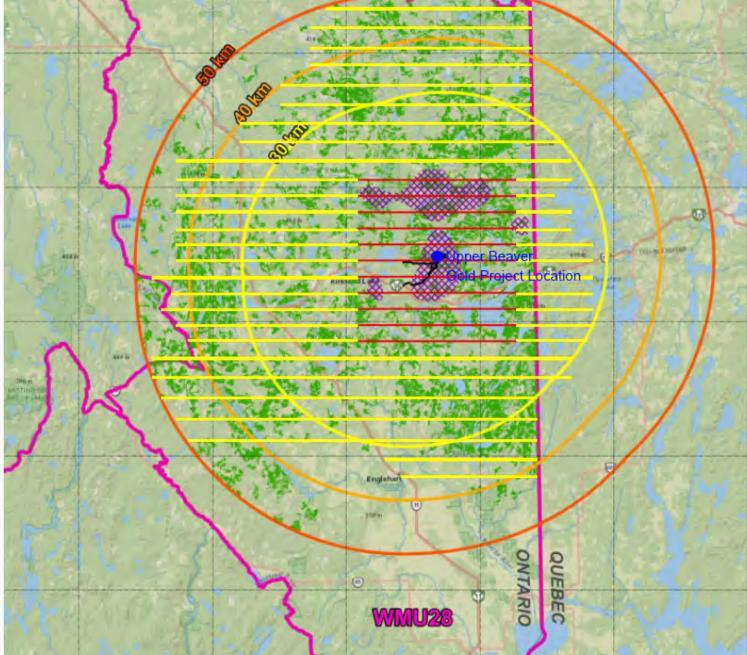






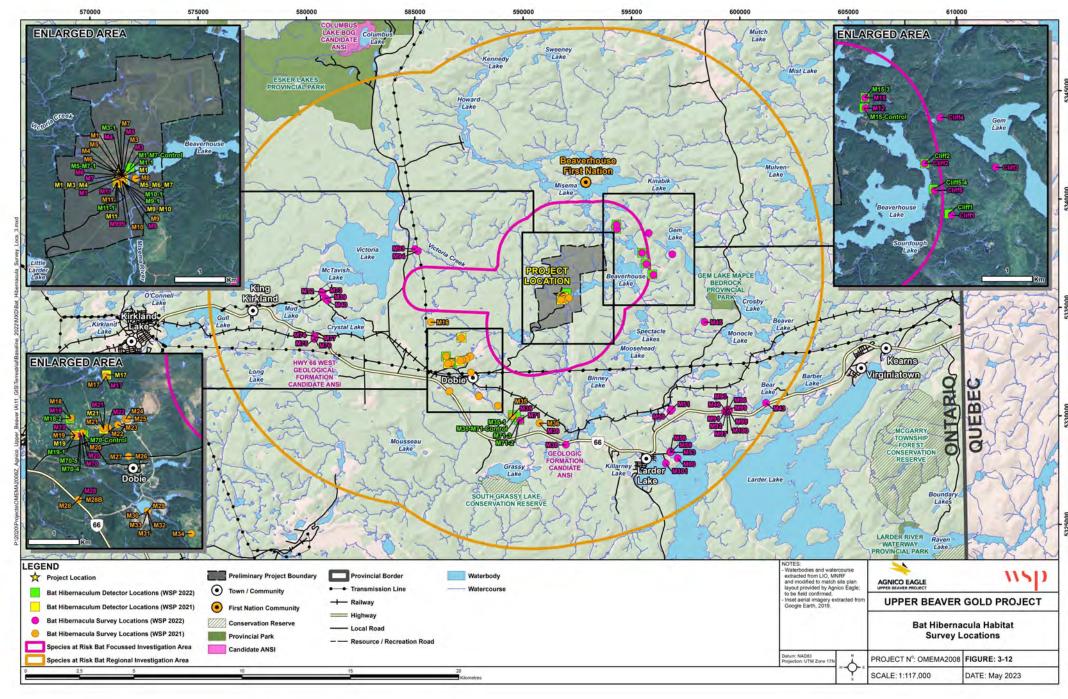
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## **BAT SURVEYS**

## **Bat Habitat Survey and Bat Detector Location**



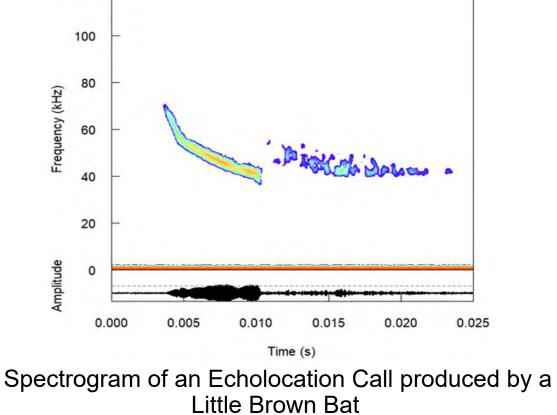
- One pack of Wolves (4 individuals) was found on a fresh Moose kill site in the southwest of the aerial survey study area.
- . While White-tailed deer could occur in the area, none were documented.
- . Four Moose, two cows and two bulls were observed, and Moose signs were observed frequently.
- . Moose were associated with early successional habitats
- •Moose and Wolf relative density areas overlap in the northwest of the aerial survey extent by Esker Lakes Provincial Park.

## Little Brown Bat (a SAR) was recorded



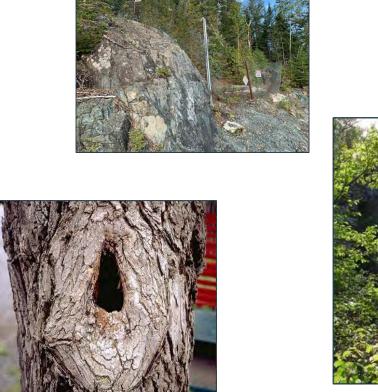






# **Results - Bats**

- Most frequently recorded bat species in 2021 was:
  - . Silver-Haired Bat and Hoary Bat
- Little Brown Bat (a SAR) was also recorded.
- Surveys indicate nearly all deciduous or mixed forests assessed have sufficient cavities to support bat maternity roots
- 32 abandoned mine locations were checked for potential suitability for bat hibernation
- No confirmed use for overwintering identified.



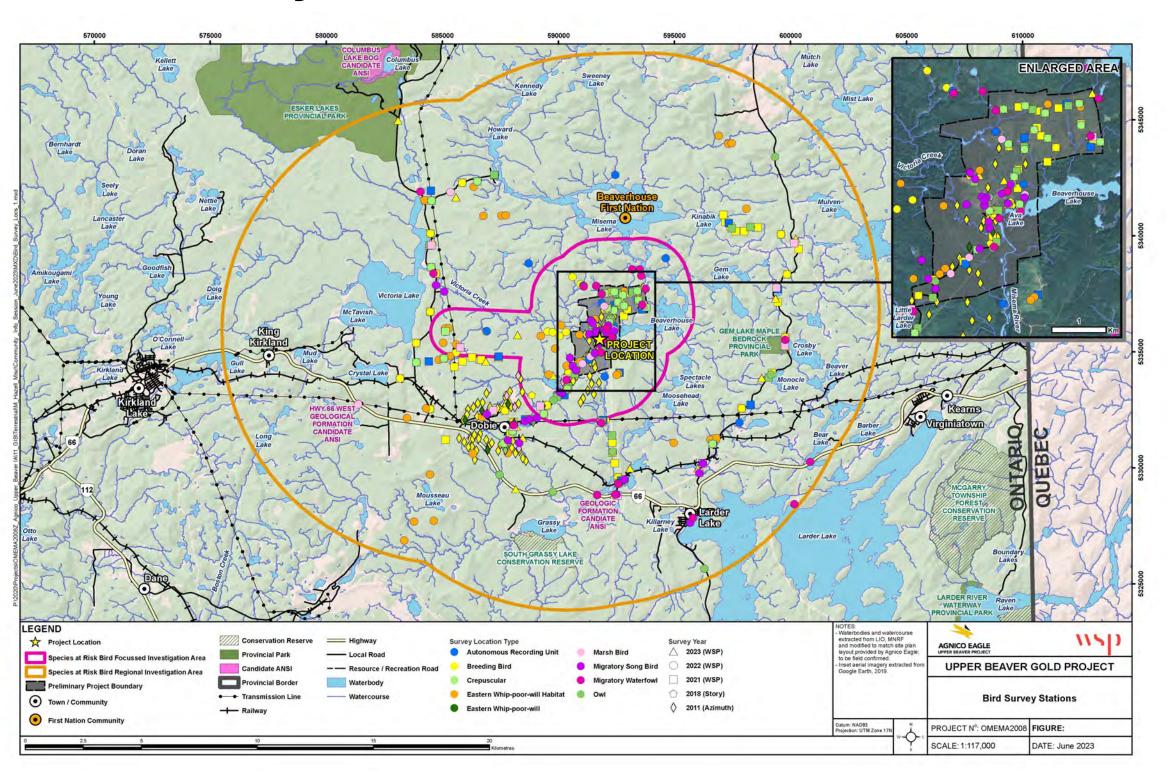




## **AGNICO EAGLE**

# **Terrestrial Environment - Birds**

### **Birds Survey Locations**



# 2021/2022 Results

 In total, 86 bird species were recorded during breeding bird surveys across 2021 and 2022 (73 species in 2021, and 67 species in 2022.

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- Spring migratory bird surveys in May documented 63 species of birds
- Crepuscular bird surveys recorded Common Nighthawk but did not record Eastern Whip-poor-will



# **BIRD SURVEYS**

Bird surveys, including Breeding Bird Surveys, ARUs, Marsh Bird Surveys, Crepuscular Bird Surveys, Nocturnal Owl Surveys, Stick Nest Surveys, and Migratory Bird (including migratory waterfowl) Surveys were completed to describe abundance, distribution, and life stages of birds and their habitat that are found or are likely to be found, in the investigation areas. Year-round migratory bird use of the area is also informed based on preliminary data from existing sources and current surveys.

## **Autonomous Recording Unit (ARU)**

**Marsh bird** surveys recorded three species of marsh specialist birds:

• American Bittern, Sora and Wilson's Snipe.

As well as several species **typical of wetlands** but less reliant on marshes:

 Common Yellowthroat, Great Blue Heron, Hooded Merganser, Ringnecked Duck, Sandhill Crane, Swamp Sparrow, Tree Swallow and Wood Duck.



#### Acoustic Recorder Surveys:

- In total, **88 bird species** were recorded using ARUs in 2021 and 2022
- . Aerial surveys documented
- Bald Eagle, White-winged Crossbill and Raptor nests.



An autonomous recording unit (ARU) is a self-contained audio recording device that is used for terrestrial monitoring for species such as birds and bats. The ARU can detect calls coming from birds and ultrasonic signals coming from bats, and is used to determine presence and density of species.







**Breeding Bird** Surveys recorded 84 species with a total abundance of 2,224 individuals:

- The most frequently recorded species were White-throated Sparrow and Red-eyed Vireo.
- Chestnut-sided Warbler, Nashville Warbler, Veery, and American Robin, Magnolia Warbler, Black-capped Chickadee and Swainson's Thrush were also commonly observed.



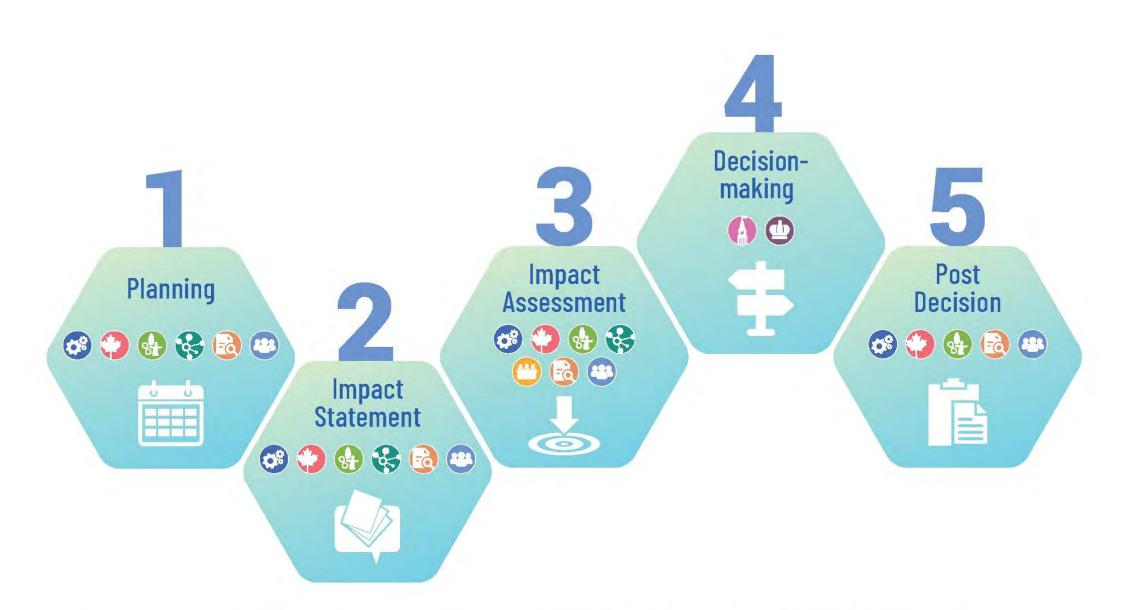


Table 5: Impact Assessment/ Air, noise, ambient light, socio-economic

## **AGNICO EAGLE**

# FEDERAL IMPACT ASSESSMENT

# PHASES



# **Upper Beaver Gold Project Federal Impact Assessment Status**

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Planning Phase has been completed.

Key parts of the **Impact Statement Phase**:

- Continue to gather baseline information
- Continue engagement activities
- Prepare Impact Statement document
- **Review process**

#### THE KEY PARTICIPANTS IN THE IMPACT ASSESSMENT SYSTEM ARE



Respond to comments.

# **ALTERNATIVES**

The Impact Statement will describe feasible alternatives that were considered in designing the proposed Project such as:

- Mine rock, overburden and organics storage
- Tailings storage methods and location
- Water management and treatment
- Effluent discharge location
- Aquatic offsetting and compensation measures
- Waste management
- Water supply
- Aggregate supplies
- Site access road location
- Access to Beaverhouse Lake
- Power supply
- Transmission line route
- Mine decommissioning and closure methods.

### **Guiding Principles for the Consideration of "Alternatives to" and** "Alternative means"

- Consider the alternatives assessment as a process for optimizing the project
- Facilitate an open and participatory process via engagement activities
- Scope the assessment of alternatives
- Apply the Sustainability Principles
- Provide clear and complete documentation

There are no alternative methods that are economically viable for mining methods as it is controlled by the ore location and geometry, and technical / safety issues.

# VALUED COMPONENTS (or VCs)

Valued Components (or VCs) are components of the environment (biophysical and human) that are of particular value or concern and may be positively or adversely affected by the Project.

The identification of VCs helps focus the Impact Statement. The following are preliminary VCs for the Upper Beaver Gold Project:

- Air Quality
- Greenhouse Gas Emissions
- Noise and Vibration
- Groundwater
- Surface Waterbodies
- Fish and Fish Habitat
- Vegetation Communities and Wetlands
- Wildlife, Migratory Birds and Habitat
- Species at Risk

- Human and Ecological Health
- Local and Regional Economy
- Social Services and Infrastructure
- **Commercial Land and Resource Use**
- Cottages, Residences and Outdoor Recreation
- Physical and Cultural Heritage, Structures, Sites or Things
- Current Use of Lands and Resources for Traditional Purposes
- Social, Health and Economic Conditions of Indigenous Peoples



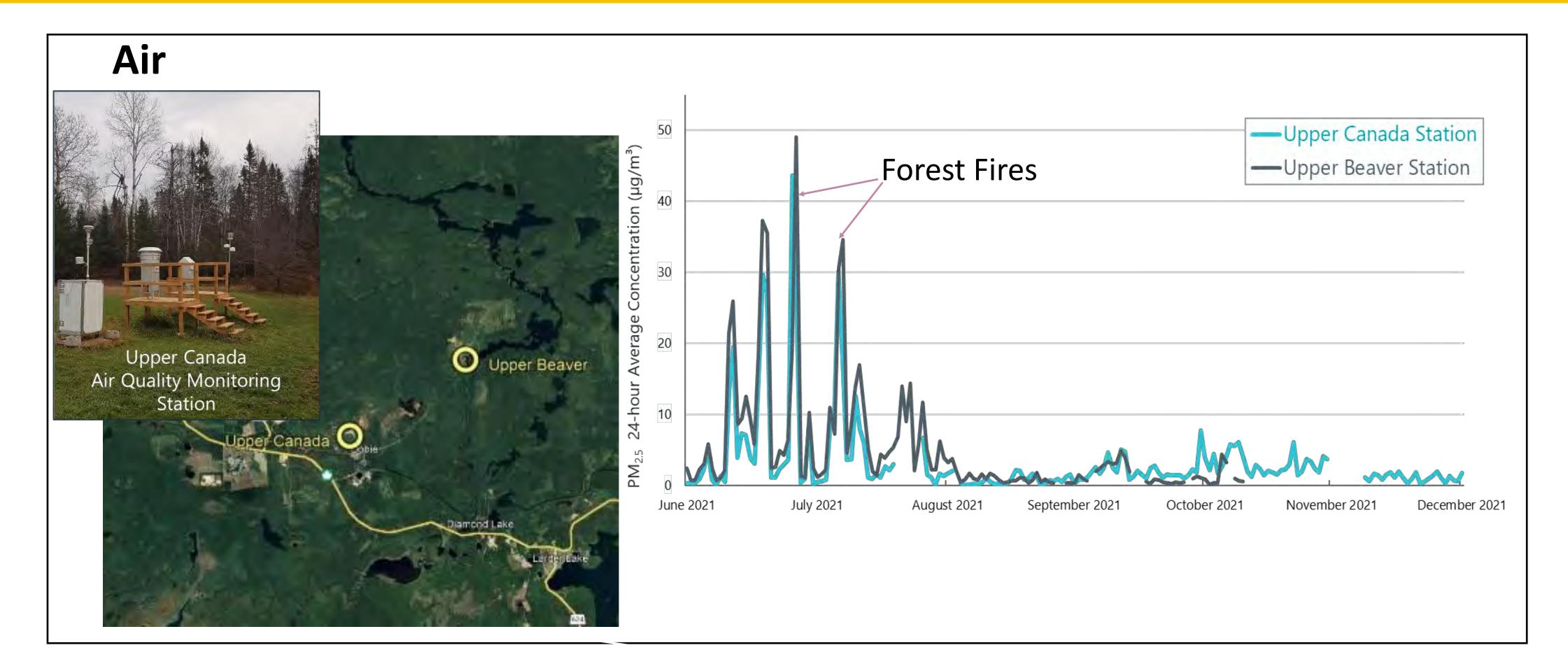
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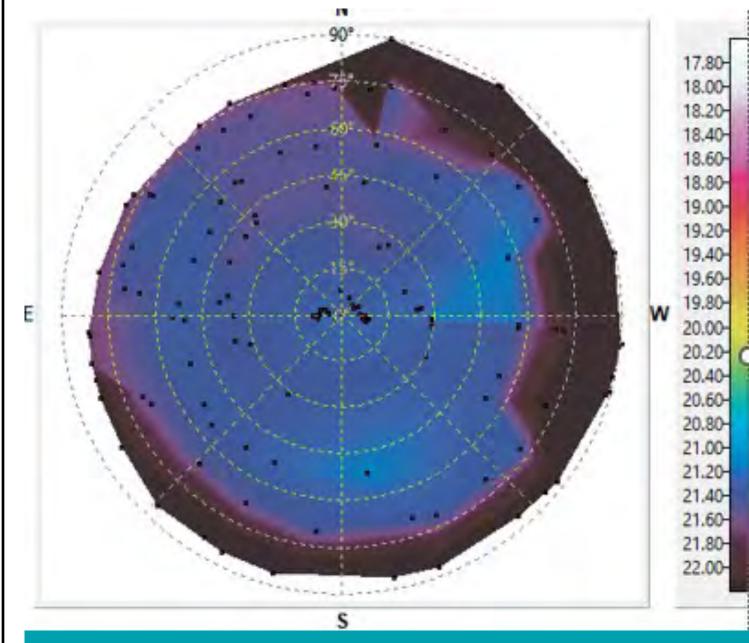
Table 5: Impact Assessment/ Air, noise, ambient light, socio-economic

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# AMBIENT AIR, NOISE AND LIGHT

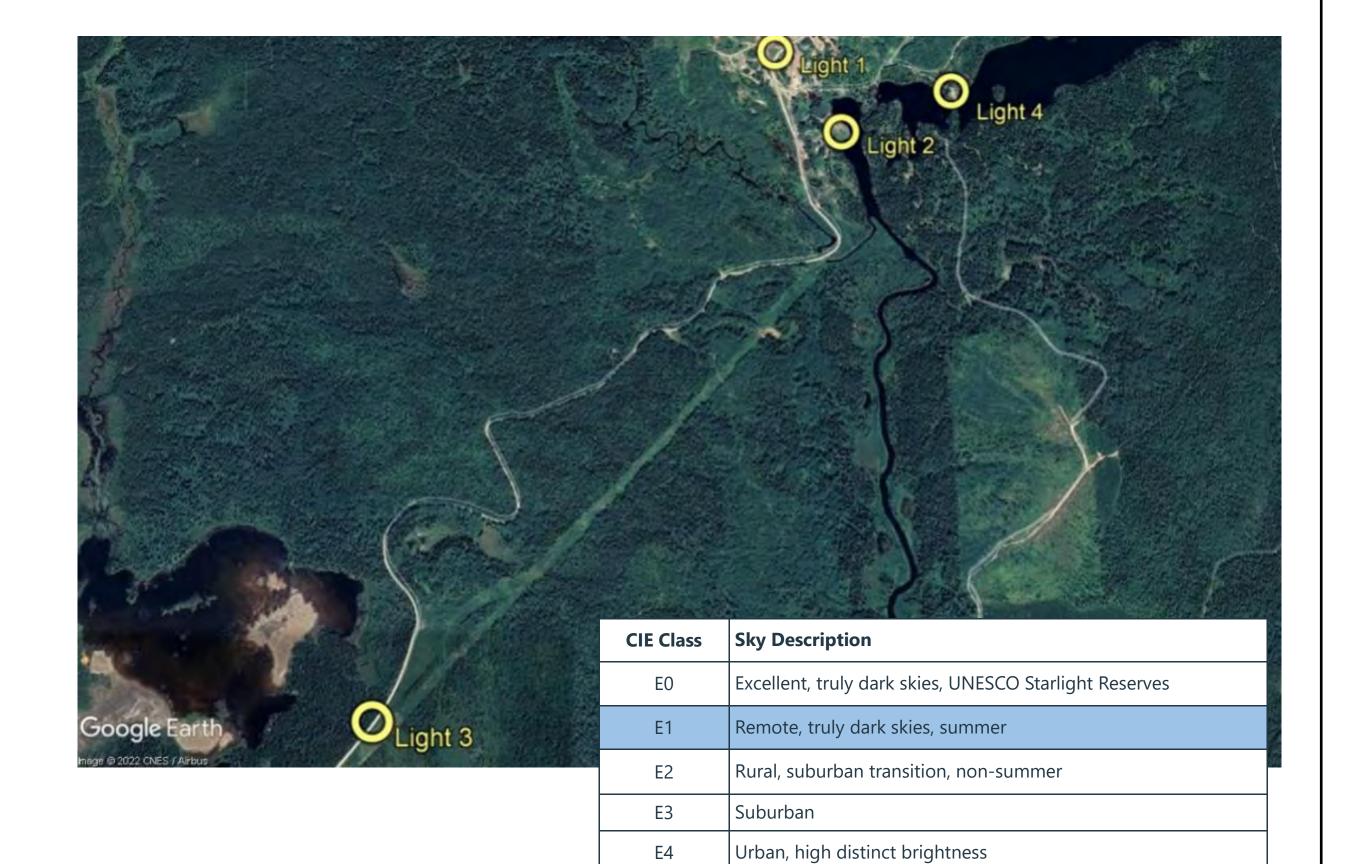


**Ambient Light** 

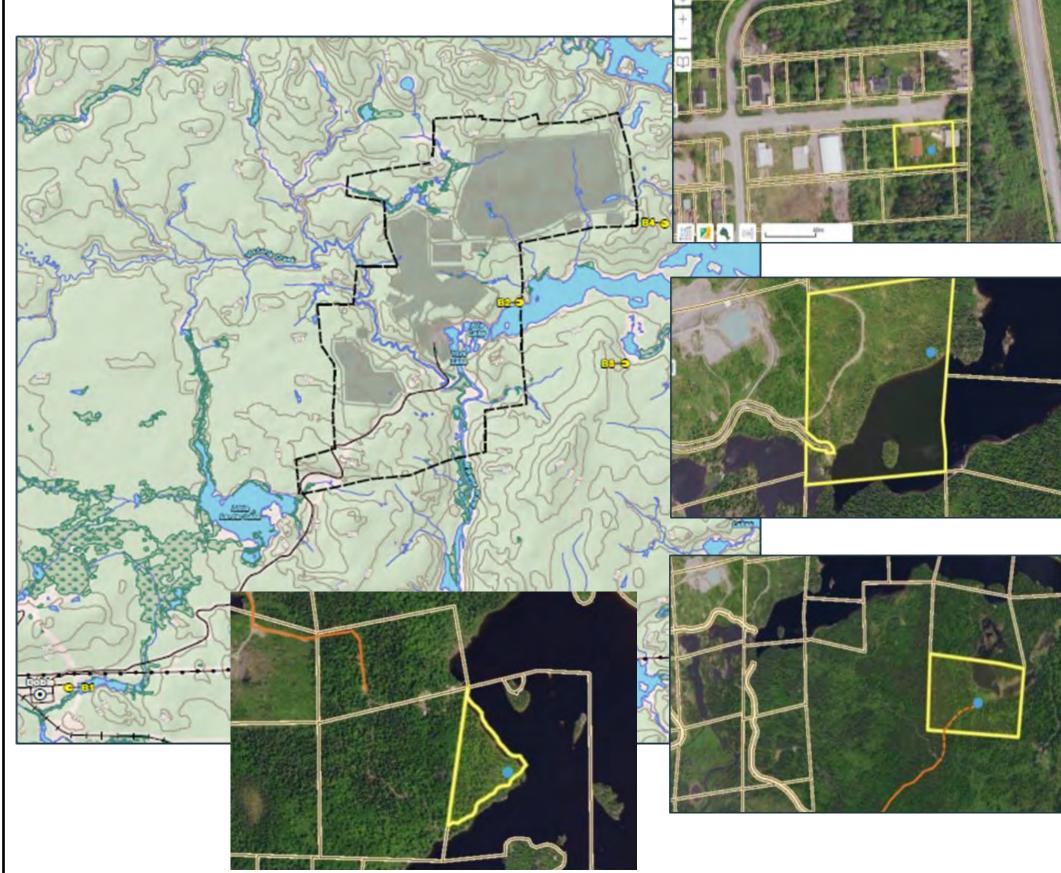


This is a mapping of sky glow measurements in units of *magnitudes per square arc second* 

- The centre point is directly above Light Monitoring Site
- The outer edge is the horizon
- Truly dark skies (E1) generally have values above 21.5



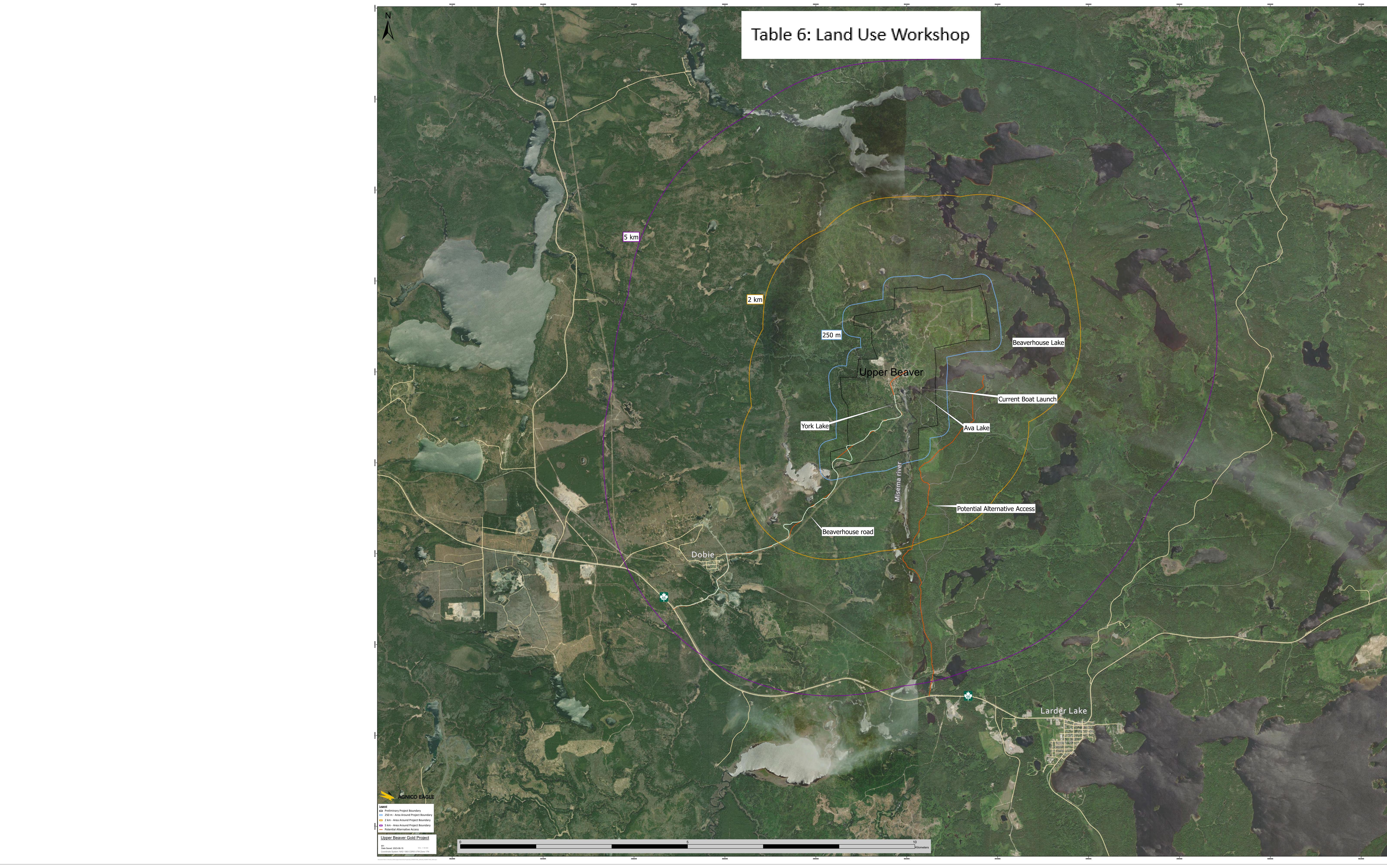
# Noise



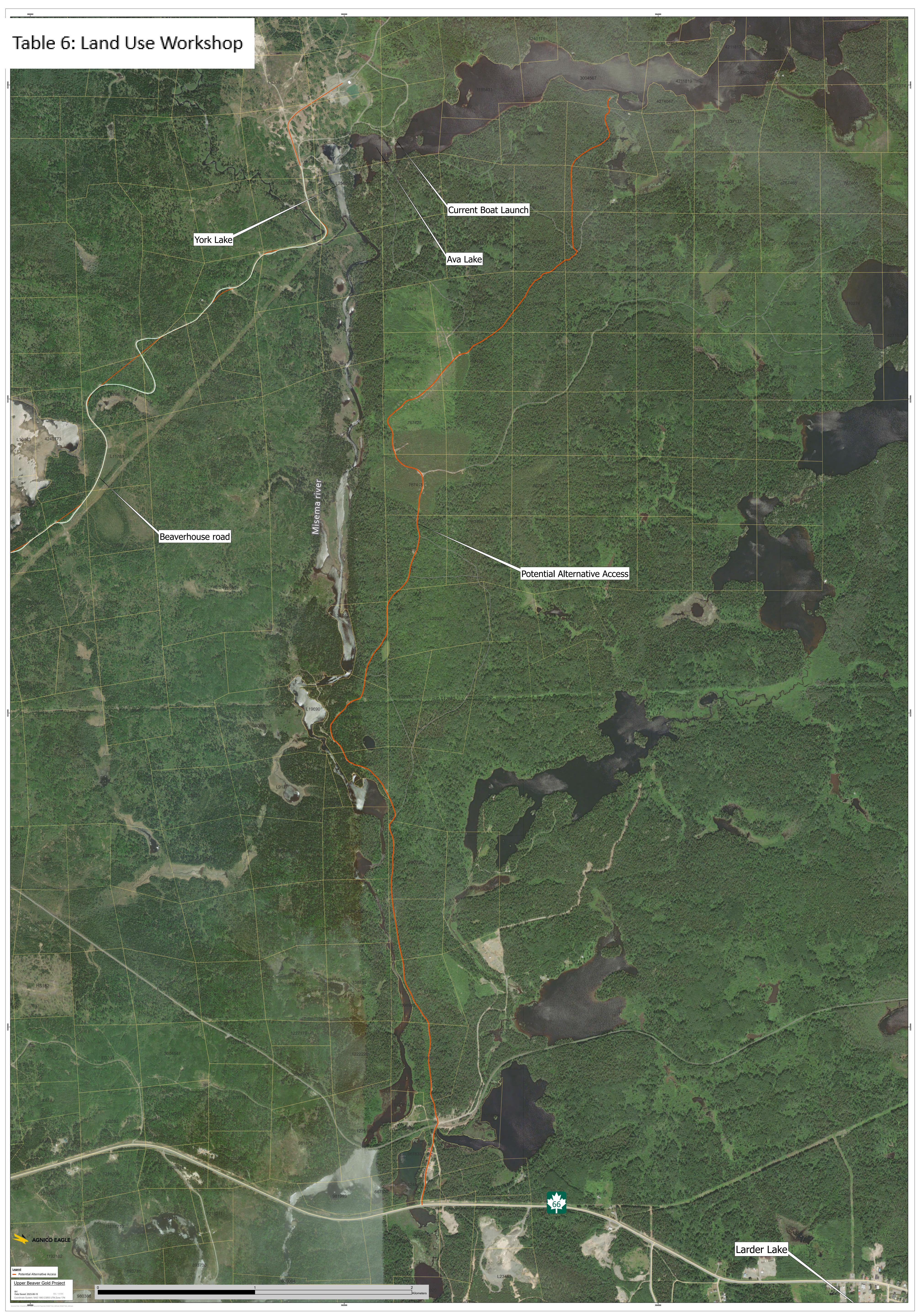


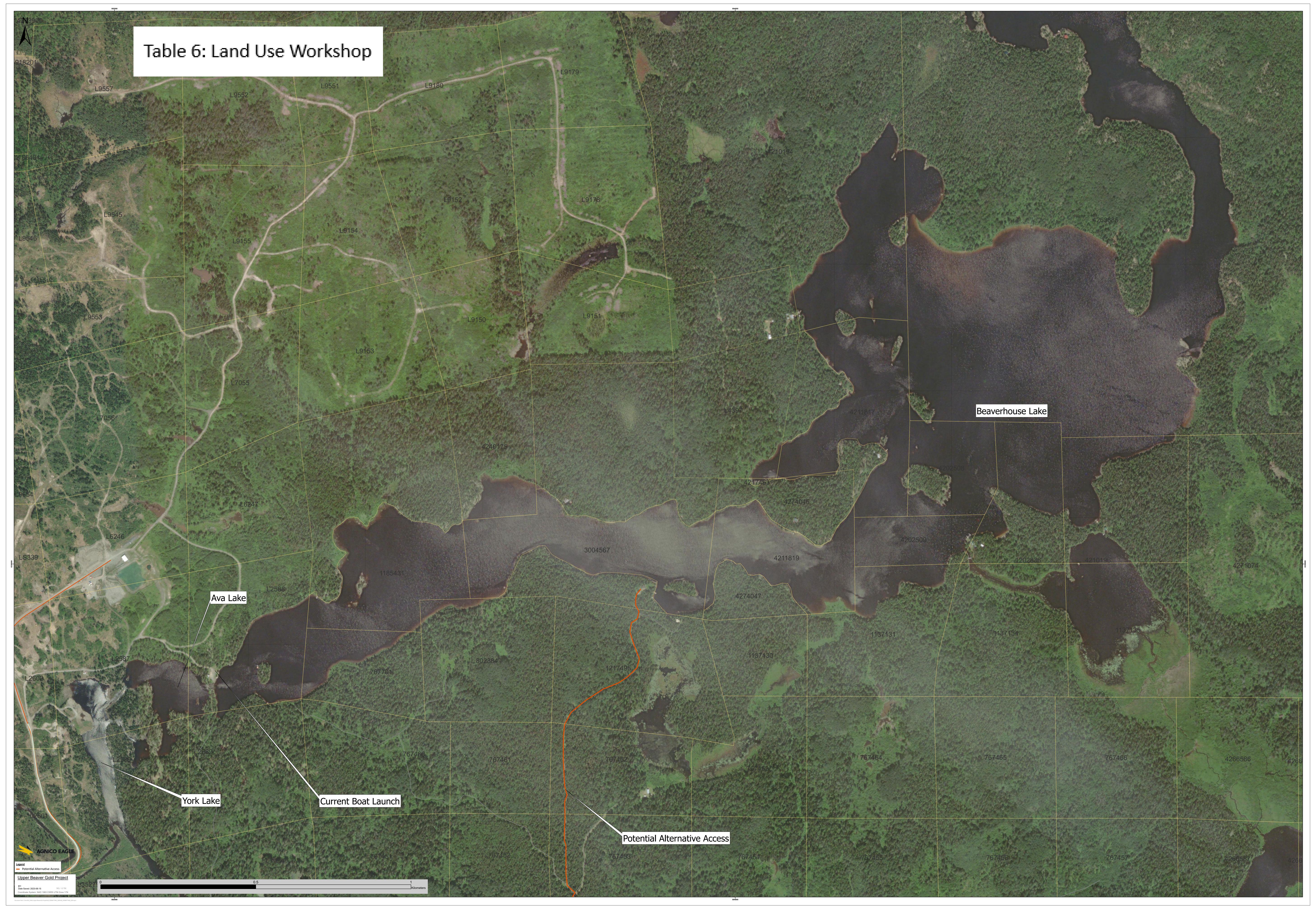
a) B2 - Spring

b) B2 - Summer









### APPENDIX IV: COPY OF EVENT EVALUATION



EVALUATION of June 17, 2023, Upper Beaver Project Community Information Session

This questionnaire aims to obtain feedback to support planning of future engagement.

Thank you for your time and participation!

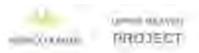
- 1. Please rate the following aspects of the session:
  - Venue/Location (Larder Lake, Gym) POOR FAIR GOOD VERY GOOD EXCELLENT
  - Date (Saturday, June 17th) POOR FAIR GOOD VERY GOOD EXCELLENT
  - Time (930am-1230pm) POOR FAIR GOOD VERY GOOD EXCELLENT
  - Format (in-person, brief presentation, discussion tables and workshop) POOR FAIR GOOD VERY GOOD EXCELLENT
- 2. Please indicate your level of satisfaction with the following interactive areas of the session:
  - Subject matter expert discussion tables: POOR FAIR GOOD VERY GOOD EXCELLENT
  - Land use workshop: POOR FAIR GOOD VERY GOOD EXCELLENT
- 3. How did the session compare to your expectations?

0 1 2 3 4 5 6 7 8 9 10 Popu

4. Are there any topics on which you would like more information? Please specify:

5. Related to engagement events, do you prefer these events to be offered (select all that apply):

- Weekdays, during day
- Weekdays, during evening
  - c. Weekend, during day
- d. Weekend, during evening



- 6. Are you:
  - a. A neighbour of the Upper Beaver site
  - b. A resident of Larder Lake
    - c. A resident of Dobie
    - d. A resident of Kirkland Lake
    - e. Other please specify:

7. What are the best ways to communicate information to you about the Upper Beaver Project?

- a. Website
- b. Local newspapers
- c. Radio
- d. Email (newsletters)
- e. Postal mailings
- f. Public sessions
  - g. Other(s) please specify

8. Do you have any comments, concerns, or suggestions that you would like to share with Agnico Eagle?

Thank you for your feedback!

Sincerely, The Agnico Eagle Upper Beaver Team