

MINERAL EXPLORATION

Project Description

for the

TED, TURNER, McAVOY and GELA
PROPERTIES, NUNAVUT, CANADA

Prepared For:



Prepared By:

Rae-co Consulting Ltd

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Detailed Project Description

Bathurst Metals Ltd (BM) is a junior mining company focused on the exploration and discovery of economic mineral deposits in Canada's north. BM holds the Turner Lake, TED, McAvoy Lake and Gela Lake ("TTMG") mineral claims in Nunavut. The claims are located on Inuit Owned Lands administered by the KIA (See figures 1 through 4.). BM proposes to conduct surface mapping and geological sampling on the mineral claims. BM crews will be based out of Bathurst Inlet Lodge and helicopter to and from the mineral claims daily for the duration of the work. It is expected that the work will take approximately three to four weeks to complete. If our work proves successful, one or more of the above-mentioned mineral claims could potentially be developed into a mine. Exploration work could take between five to ten years followed by ten to twenty years for mine development, operation and closure.

Scheduling

The mineral exploration work we want to conduct can only take place during the snow free period during the summer months, from July through to the end of September. Most of the work will be accomplished in July and August with a buffer period into the end of September.

Land Use Plan

At this time no new lines, rights-of-way, camps or cleared areas are proposed to be used in the exercise of Right. No new construction is warranted during this phase of the project.

List of Structures

No structures will be erected for the mineral exploration work.

Equipment

Portable gas-powered rock saw
Helicopter

Fuel

Jet-B Helicopter fuel: 50 X 200L barrels
Gasoline: 1 X 200L barrel
Jet-B transfer from barrel to Helicopter by properly grounded electric fuel pump or hand operated wobble pump supplied by Helicopter contractor. Gasoline transfer from barrel to 25L portable container by hand operated wobble pump.

See attached Fuel Management Plan and Spill Prevention and Response Plan

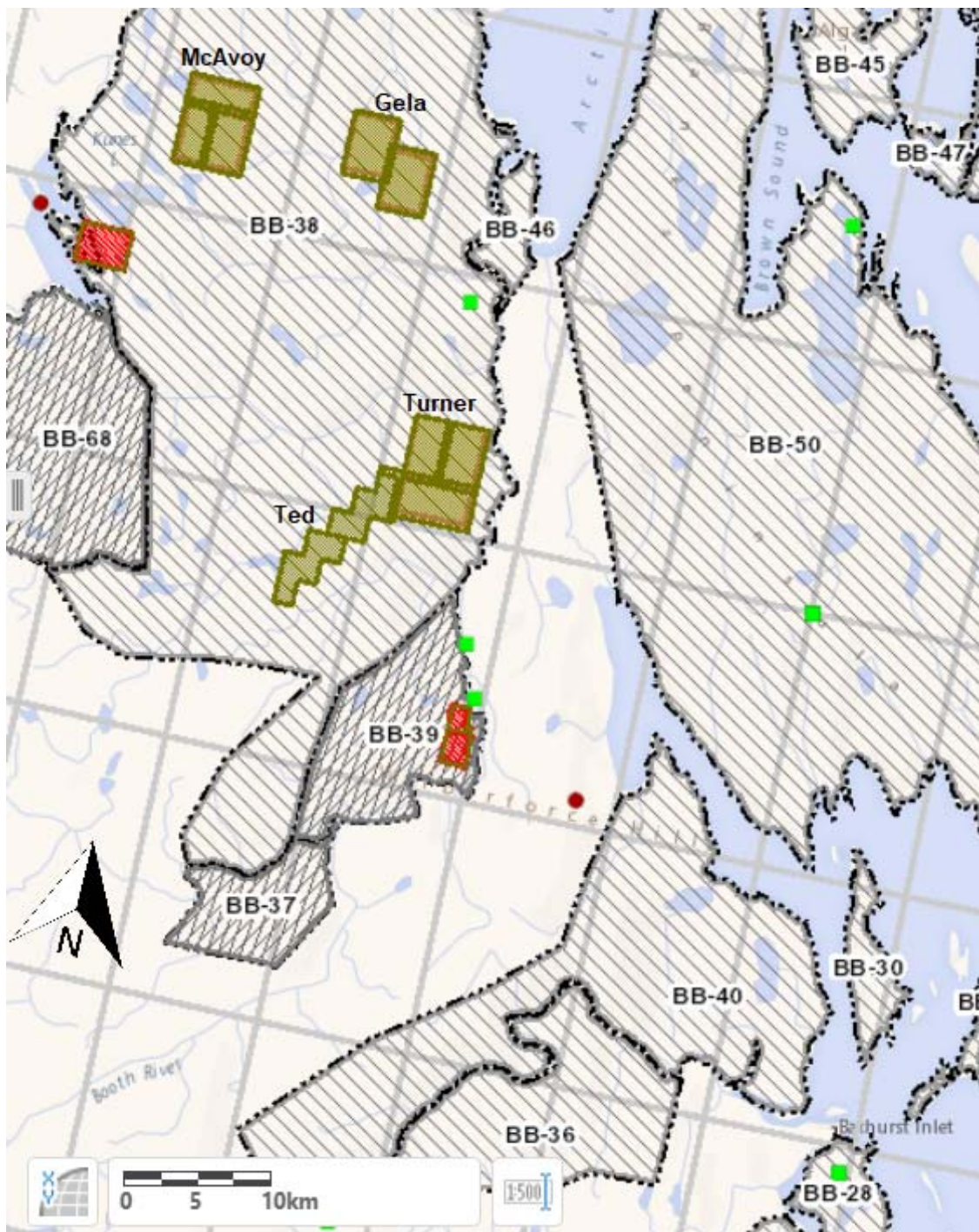


Figure 1 . Turner Lake, TED, McAvoy Lake and Gela Lake Mineral Tenures

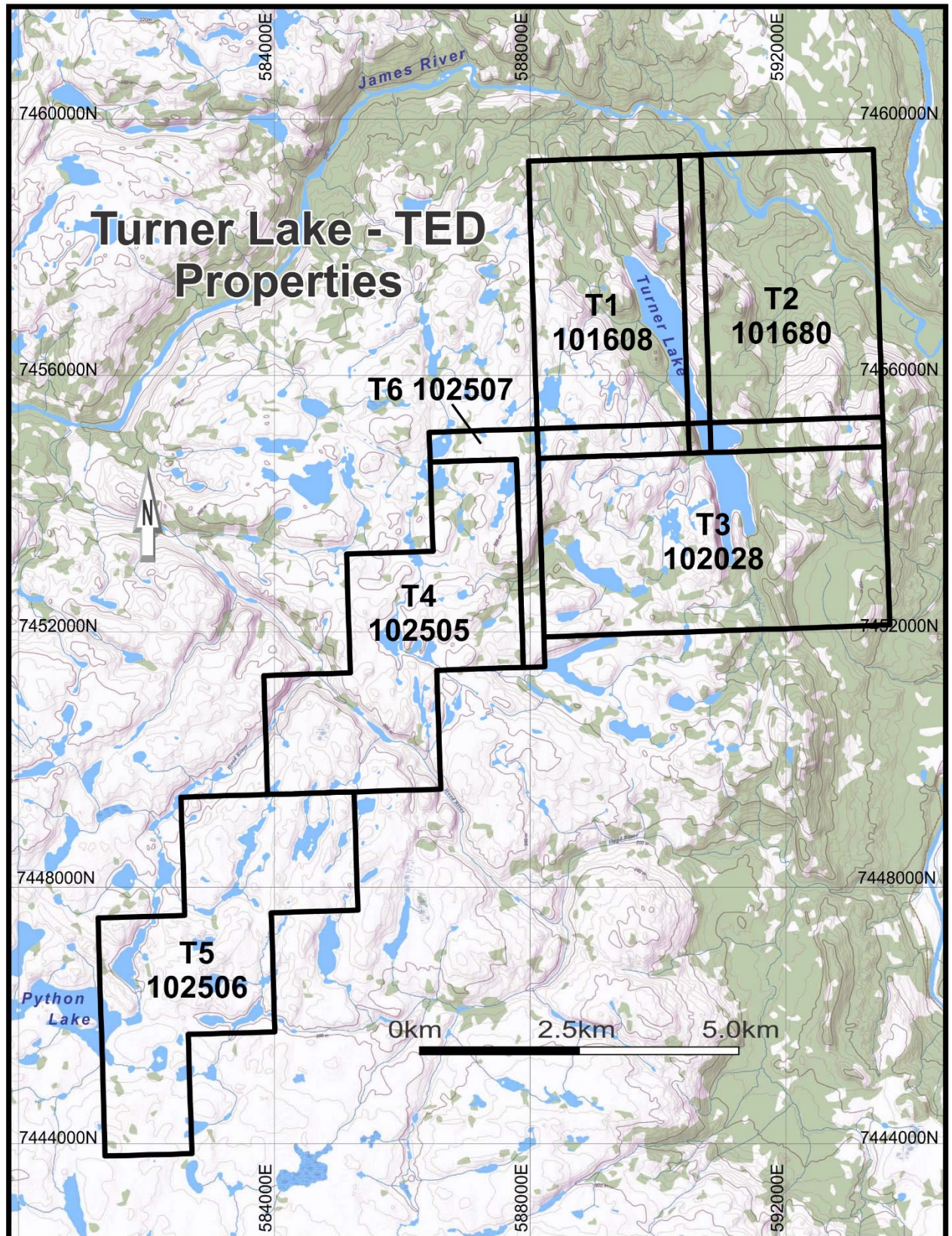


Figure 2 Turner Lake (T1 – T3) and Ted (T4-T6) Mineral Tenures (“Properties”)

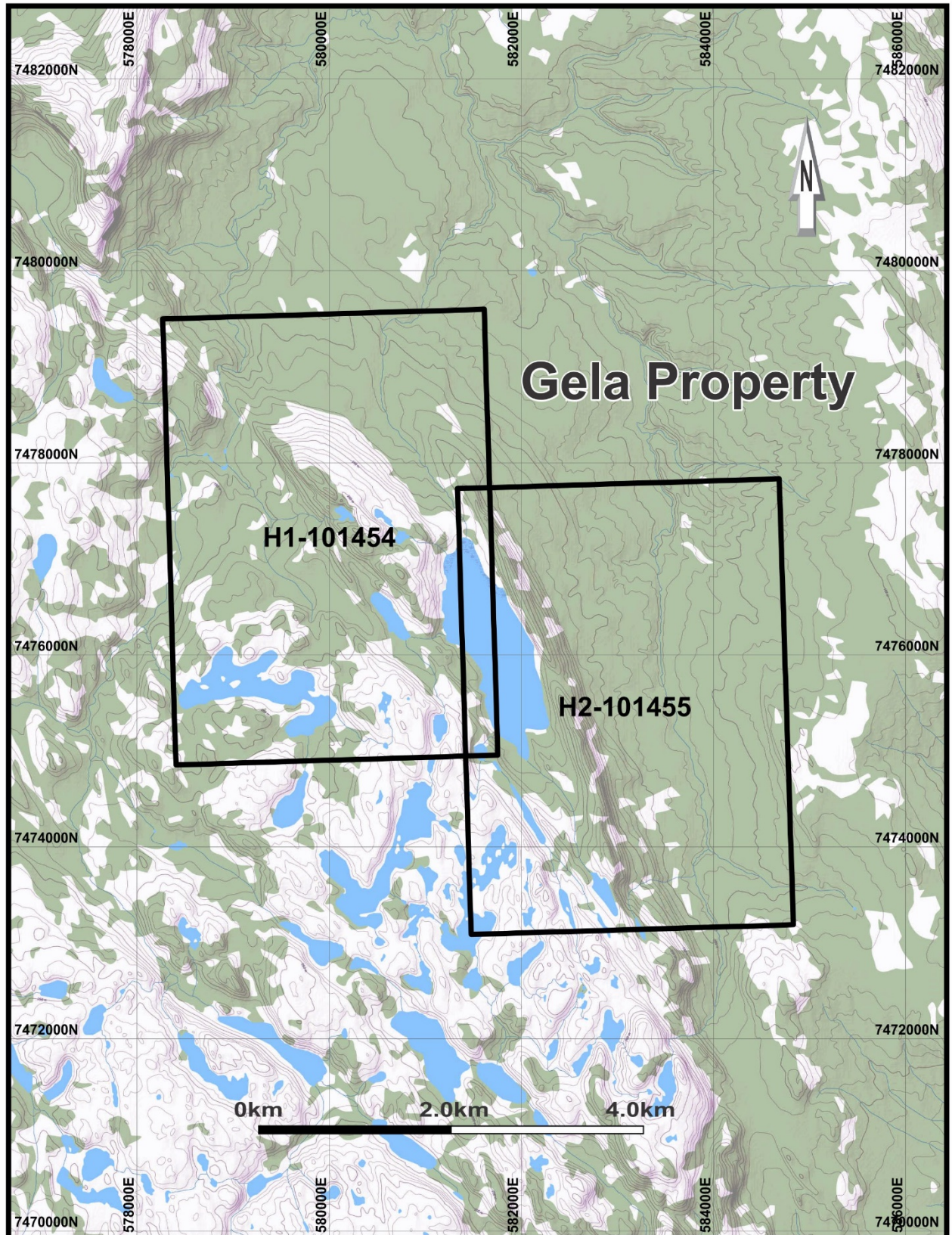


Figure 3. Gela Lake (H1, H2) Mineral Tenures (“Properties”)

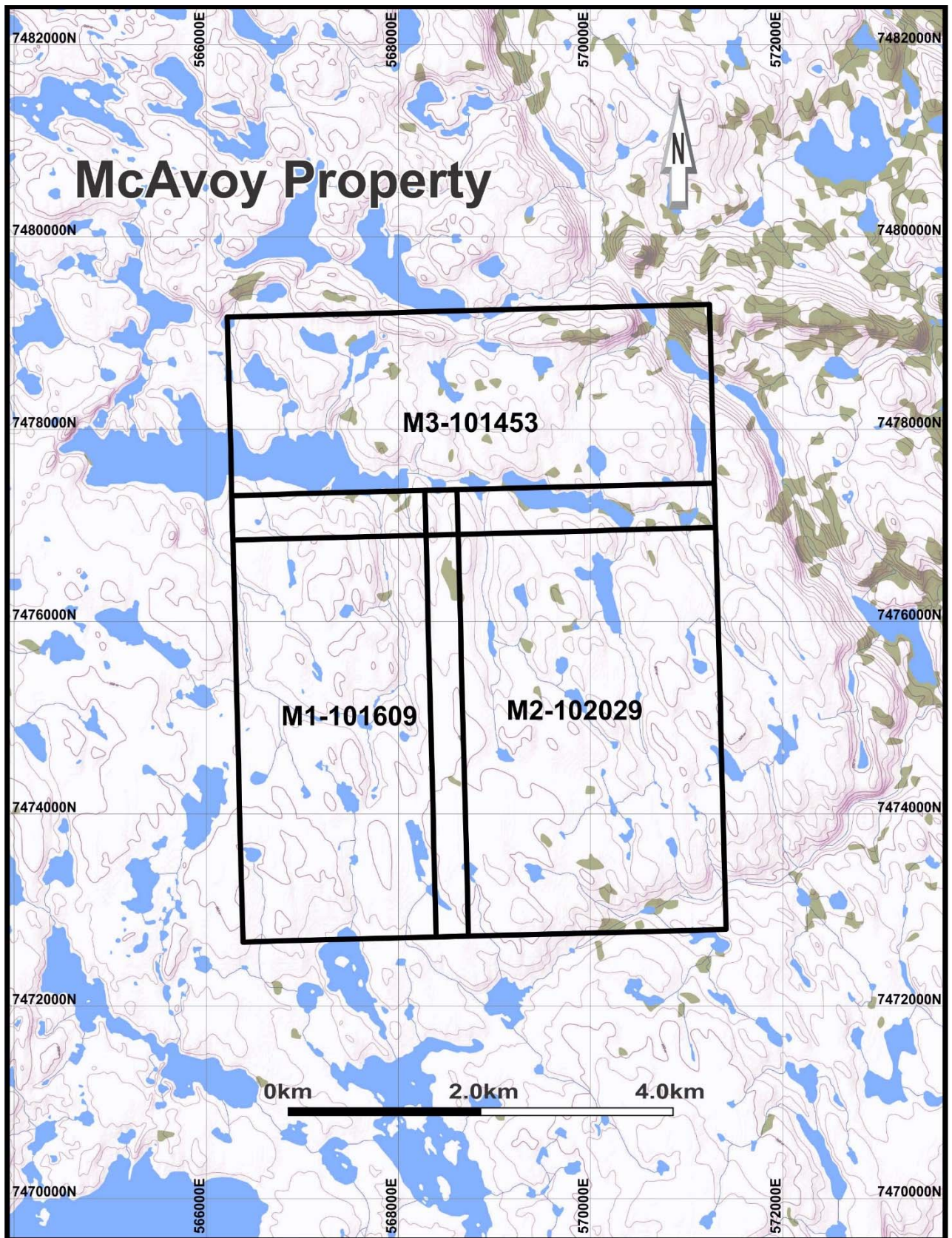


Figure 4. McAvoy Lake (M1 – M3) Mineral Tenures (“Properties”)

Proposed Disposal Methods for Garbage

All garbage generated on the mineral claims during our work there will be bagged and transported back to Bathurst Inlet Lodge. Environmentally benign waste will be incinerated at the waste management site adjacent Bathurst Inlet Lodge. Recyclable materials such as scrap metal will be transported to Bathurst Inlet Lodge and taken to the nearest recycling facility in Yellowknife at the end of the project. Any non-recyclable, non-combustible waste generated by the project will be transported to the regional community landfill at Yellowknife.

All opportunities will be taken to reuse or recycle hazardous waste materials. Any hazardous waste produced because of the TTMG Project will be placed in sealed containers, labeled, and stored within secondary containment such as “Arctic Insta-Berms,” or similar, until they can be reused or backhauled for recycling or disposal. Upon seasonal shutdown all hazardous wastes will be backhauled and disposed of properly to a registered hazardous waste receiver.

Human waste generated on the mineral claims will be buried.

Transportation

Commercial contract carriers such as Buffalo Airways or the like will be used to fly equipment and supplies from Yellowknife to the Sabina Gold & Silver Corp. Port Facility on Bathurst Inlet (approximately 27km south of Bathurst Inlet Lodge). Equipment and supplies will then be barged or slung by helicopter to Bathurst Inlet Lodge. Once at Bathurst Inlet Lodge, equipment and supplies will be flown to and from the mineral claims using a helicopter.

Crews will be flown to and from the mineral claims using the helicopter.

Environmental Concerns

Wildlife Habitat, Communities, Eskers, Historical/Archeological Sites

The mineral claims are not located on or near any known breeding, calving, post-calving, migratory, staging, denning, nesting, or spawning areas. Anecdotal reports from previous workers on the claims indicate sightings of Caribou, Moose, Wolves, Muskox, Grizzly Bear and Waterfowl in the vicinity of the work areas on a few occasions through the summer months. Project staff will be educated in wildlife encounter mitigation. If a caribou migration event is observed while working on the claims, the crew will move to conduct work on an adjacent claim to minimize wildlife disturbance.

The closest community to the project is Bathurst Inlet Lodge. The location is used seasonally as a fishing and hunting camp and has also seen use as an ecotourism and outfitting lodge. The community is not habituated for the entire year.

No known Eskers are mapped on the mineral tenures. If an unmapped esker is located on a tenure, the location will be noted, and the KIA will be notified at the earliest opportunity.

No known historical or archeological sites are known to be located on the property.

In March 2021, Rae-co Consulting Ltd. (Rae-co) conducted a search of the Nunavut Archaeological Site database and found that no previously recorded sites had been documented or any archaeological assessments been carried out within the TTMG Property.

If crews locate an archeological or paleontological site on the mineral claims, activity in the area of the find will cease immediately and contact will be made to the Territorial Archaeologist (867) 934-2040 as soon as possible. A report will be prepared documenting the discovery and sent to CH, CIRNAC and the KIA. Reports will include GPS coordinates, a brief description of the site and/or artifact and photos (if possible).

Environmental, Wildlife and Resource Impacts

The environmental impact of our exploration project is minimal. Ground disturbance will not be an issue while mapping and sampling work is conducted. BM plans to use a rock saw to cut shallow (<10cm) channels for sampling in areas where rock outcrop cannot be sampled using a hammer and chisel. The channels will likely be not more than a few centimeters deep and a few meters in length at most. No water will be required for this activity.

Wildlife will likely not be affected by the type of exploration work proposed for the TTMG project. However, the noise from use of a helicopter for crew transport can impact wildlife. The pilot and crews will be instructed to remain vigilant regarding wildlife while flying on approaches to landing sites. In the event wildlife is observed in the vicinity of the landing area, an alternate landing site will be chosen to minimize impact to wildlife. And conversely, when a rendezvous site is occupied by wildlife, the pilot or crew will radio for an alternate pick-up spot away from wildlife. Minimum safe distance will be set a 300m from the closest animal.

During past work on the Turner Lake property, Caribou and Muskox have been observed moving through the property. All potential hazards to and from wildlife are identified and mitigated as much as possible. All Bathurst Metals workers must adhere to company health and safety guidelines and are directed to not interact with wildlife, thereby minimizing any adverse effects on wildlife by project activities.

Animal sightings will be recorded in a "Wildlife Record Log" and reported to the KIA and the Government of Nunavut, Department of Environment Wildlife Office in Kugluktuk (867) 561 6231.

Firearms

Registered firearms will be located at Bathurst Inlet Lodge and carried in the field to ensure the safety of all personnel on the Project. 12-gauge shotguns are the preferred firearm to be used for the purposes of bear deterrence as they are capable of firing non-lethal deterrents and lethal rounds.

All persons carrying or handling a firearm must have a valid Firearms License. Hunting is strictly prohibited for all employees and will result in immediate termination and potential charges for any territorial hunting violations. Use of firearms against nuisance or aggressive wildlife is considered only as a last resort. Non-lethal deterrents will always be used whenever possible to deter problem wildlife with lethal rounds only being used in defense of life or property.

Reclamation Cost Analysis

As this is a greenfields exploration program with minimal environmental impact, no reclamation costs are forecast at this time.

Reclamation Plan

No reclamation plan is required at this stage of the project as no ground disturbance will be made.

Socio-Economic Considerations and Inuit Employment Opportunities

- I. Bathurst Metals Ltd. proposes a \$0.3 million dollar budget for the project.
- II. Approximately 15% of the total budget will go to Inuit firms/employees.
- III. Approximately five positions will be created for the duration of this project.
- IV. Bathurst Metals plans to use the lodging and catering services offered by Bathurst Inlet Lodge. The lodge is operated by Sam and Allen Kapolak along with their wives Susie and Connie in cooperation with Boyd Warner of Yellowknife. There will also be an opportunity for a fifth Inuit worker to assist in day-to-day lodge operations and also assist BM geologists with project logistics.
- V. While assisting BM geologists, there will be opportunity to train in some of the technical aspects of mineral exploration and in the management of field exploration operations.