

4. Timing

Period of operation: May 27, 2005 to October 31, 2007
 Proposed term of permit: May 27, 2005 to October 31, 2007

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.

May 27, 2005 – June 17 install meteorological station, establish surface water sampling stations, flow and water quality sampling, fly transportation corridors, sound monitoring, assess groundwater levels, and log wildlife.

July 8 – 29, 2005 – benthic and fish sampling, flow and water quality sampling, sound monitoring, groundwater testing, soil and sediment sampling, marine survey (observational only), archeology and log wildlife.

Sept 9, 30, 2005 – benthic and fish sampling, flow and water quality sampling, sound monitoring, groundwater testing, and log wildlife

Repeat tasks for two more years.

5. Region (check all that apply):

☒ Baffin ☐ Kivalliq ☐ Kitikmeot ☐ Transboundary: _____

6. Land Status (check all that apply):

☒ Crown ☐ Commissioners' ☒ Inuit Owned Surface lands ☒ Inuit Owned Sub-Surface Lands

7. Co-ordinates:

Min Lat (degree/minute)	<u>70°20'N</u>	Min Long (degree/minute)	<u>79°30'W</u>
Max Lat (degree/minute)	<u>71°55'N</u>	Max Long (degree/minute)	<u>81°00'W</u>

NTS Map Sheet No: 47H, 37G, 37F

Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 **Mandatory**) available from Natural Resources Canada

If the project proposal includes a **camp**, please provide the coordinates of the camp location

Min Lat (degree/minute)	<u>71°18'N</u>	Min Long (degree/minute)	<u>79°22'W</u>
Max Lat (degree/minute)	_____	Max Long (degree/minute)	_____

Established camp; Baffinland Iron Mines Mary River Project Camp.

If different from above for the camp:

NTS Map Sheet No: 37G

Please ensure that maps of the camp are attached (1:50,000 if available, 1:250, 000 **Mandatory**) available from Natural Resources Canada

8. Non-Technical Project Proposal Summary

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

Baseline Environmental Field Study for the Mary River Project
Project Description
April 20, 2005

Baffinland Iron Mines Corporation. is currently conducting an advanced exploration program at the Mary River Project, located approximately 160 kilometres south of Pond Inlet (Figure 1). Current exploration activities in the area commenced in 2004 and are on-going seasonally (from April to September). Baseline environmental data collection will commence in the spring of 2005, and will continue until 2007, to provide good information to contribute to the development of an Environmental Impact Assessment for the project area.

There will be three field visits this season between May and October. We expect to continue the baseline studies for three years until October 2007. Areas of study are the anticipated mine site location, Nuluujaak Mtn. and the potential transportation corridors (northeast to Milne Inlet (1 option) or southerly to Steensby Inlet (2 options)).

Activities that will take place to conduct baseline monitoring are:

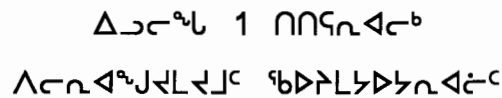
- set up a meteorological station for monitoring temperature, rainfall, wind direction and speed
- establish water quality and flow sampling locations (ground water and surface water)
- fly two potential transportation corridors (the abandoned road from Nuluujaak Mtn to Milne Inlet) and a second potential route south to Steensby Inlet.
- sound monitoring
- wildlife survey (observations only)
- benthic and fish sampling
- soil and sediment sampling
- marine survey (observations only)
- archaeology (observations only)

Results from each visit will be compiled and annual summary reports will be provided to the Nunavut Research Institute (NRI) and the Nunavut Impact Review Board (NIRB).

All personnel will comply with the Scientists Act.

Three applications are currently being submitted for licences to conduct this program. These licences are: Scientific Research License from NRI; Part 1 Form Project Proposal Information Requirements from NIRB; and a Scientific Fish Sampling License from Fisheries and Oceans Canada.

An amended application for a Scientific Research License will be submitted if there are significant changes to the baseline study program. NRI and NIRB will be notified at least one month prior to each field visit.



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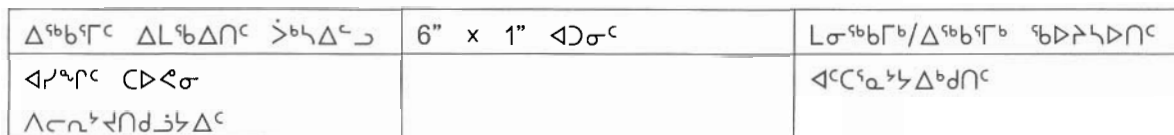
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S. Well

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Field Supervisor

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April 29 1955

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