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Upstream background site	Sampling sites	Municipal	There are two small freshwater lakes hydrologically upstream of the sewage lagoon, that we would sample as reference to characterize ambient water quality.	None known.	These lakes are just northwest of the sewage lagoon.
Wastewater lagoon	Sampling sites	Municipal	This is the sewage lagoon, with a maximum depth of approximately 1.5 m, servicing the hamlet of Baker Lake. Wastewater has been deposited here regularly by pump trucks for 30+ years. The water is frozen throughout the winter, and thaws in spring to run downstream.	None known.	The site is approximately 1 km north of the hamlet of Baker Lake.
Airplane Lake inflow	Sampling sites	Municipal	Airplane Lake receives runoff through channels that run southeast from Finger Lake for 1000 m before emptying into the northwest corner of Airplane Lake. This channel is rocky and covered in ice-free months with a thick layer of algae. Water quality at this point must comply with effluent criteria as per the hamlet's wastewater discharge license.	None known.	The inflow of Airplane Lake is approximately 1000 m downstream of the outflow of Finger Lake.
Airplane Lake outflow	Sampling sites	Municipal	The outflow of Airplane Lake is at the southeast corner, where it feeds Garbage Creek.	None known.	This site is approximately 300 m south of the inflow of water from Finger Lake to Airplane Lake.
Wastewater inflow to Baker Lake	Sampling sites	Municipal	This is the site at which lagoon wastewater enters Baker Lake. It is connected to Airplane Lake through Garbage Creek, a 1300 m rocky creek with algal growth and thick vegetation in	None known.	This site is approximately 2 km east of the hamlet.

			the form of sedges upstream and shrubs downstream near Baker Lake itself. Water flow is fast, wide, and turbulent.		
Baker Lake receiving water	Sampling sites	Municipal	Sampling at Baker Lake itself would be done to evaluate wastewater impacts. Previous consultant work in 2007 have suggested that elevated metals levels at offshore points may not necessarily be from sewage discharges, but from other sources within the hamlet.	None known.	The area within Baker Lake offshore of the hamlet.
Shoreline Baker Lake (drinking water intake)	Sampling sites	Municipal	The hamlet's drinking water intake is approximately 120 m offshore, and at 5-6 m depth. Water is treated by membrane filtration before use. Previous consulting work in 2007 suggested that wastewater discharges from the lagoon were unlikely to affect the drinking water supply, but could not rule out this possibility. Sampling work here would near this site (e.g., at least 50 m away) to avoid interference or contamination of the drinking water source.	None known.	The drinking water intake is approximately 120 m offshore from the hamlet.
Finger Lake outflow	Sampling sites	Municipal	Finger Lake covers about 7.4 ha and averages 1.4 m in depth. During spring and summer, wastewater flows from the lagoon, through a small wetland, and into Finger Lake. The hamlet's solid waste disposal facility, which accepts both municipal and hazardous waste, is upstream of this site. Runoff from the solid waste facility has been observed to discharge into Finger Lake and influence metal concentrations downstream, as noted by a consultant (Numani Jacques Whitford Ltd.) in	None known.	The outflow of Finger Lake is approximately 500 m east and downstream of the inflow.

			2007.		
Finger Lake inflow	Sampling sites	Municipal	Finger Lake covers about 7.4 ha and averages 1.4 m in depth. During spring and summer, wastewater flows from the lagoon, through a small wetland, and into Finger Lake. The hamlet's solid waste disposal facility, which accepts both municipal and hazardous waste, is upstream of this site. Runoff from the solid waste facility has been observed to discharge into Finger Lake and influence metal concentrations downstream, as noted by a consultant (Numani Jacques Whitford Ltd.) in 2007.	None known.	The inflow point of Finger Lake is approximately 500 m downstream and east of the sewage lagoon.

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ግብርና ጥቅም ስራ	Sheldon Dorey, Senior Administrative Officer	Hamlet Council, Hamlet of Baker Lake	2017-09-25
ግብርና ጥቅም ስራ	Leilan Baxter	Agnico Eagle Mines Limited	2017-09-18

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ግብርና ጥቅም ስራ ስም	An NRI Water and Land Research Application is being prepared.	Not Yet Applied		

Project transportation types

Transportation Type	ግብርና ጥቅም ስራ	ግብርና ጥቅም ስራ	Length of Use
Air	0	Air transportation	

		of personnel by sampling via regular charter flights to and from Baker Lake	
Water	0	A small boat would be used to access offshore sampling sites.	
Land	0	A pickup truck would be used to access onshore sampling sites.	

**Project accomodation types**

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## **Additional Information**

**SECTION A1: Project Info**

**SECTION A2: Allweather Road**

**SECTION A3: Winter Road**

**SECTION B1: Project Info**

**SECTION B2: Exploration Activity**

**SECTION B3: Geosciences**

**SECTION B4: Drilling**

**SECTION B5: Stripping**

**SECTION B6: Underground Activity**

**SECTION B7: Waste Rock**

**SECTION B8: Stockpiles**

**SECTION B9: Mine Development**

**SECTION B10: Geology**

**SECTION B11: Mine**

**SECTION B12: Mill**

**SECTION C1: Pits**

**SECTION D1: Facility**

**SECTION D2: Facility Construction**

**SECTION D3: Facility Operation**

**SECTION D4: Vessel Use**

**SECTION E1: Offshore Survey**

**SECTION E2: Nearshore Survey**

**SECTION E3: Vessel Use**



Impacts

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(P = ግብርና ስጦታ, N = ግብርና ስጦታ ለግብርና ስጦታ, M = ግብርና ስጦታ ለግብርና ስጦታ, U = ግብርና ስጦታ ለግብርና ስጦታ)