

			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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ጠቅላይ ስም	ሰነድ	ክፍለ-ዞን/አካል	ቀን
ፍጥረት	Sheldon Dorey, Senior Administrative Officer	Hamlet Council, Hamlet of Baker Lake	2017-09-25
ፍጥረት	Leilan Baxter	Agnico Eagle Mines Limited	2017-09-18

ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ

ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ

ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ

ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ
ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	An NRI Water and Land Research Application is being prepared.	Not Yet Applied		

Project transportation types

Transportation Type	ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	ግብርና ሚኒስቴር ለግብርና ጥቅም ስራ ለሚከተሉት አካላት ለመረጃ ማግኘት ለሚገባቸው ሰነድ ለመሙላት ለሚገባቸው ሰነድ	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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			the tundra on foot, placing a temporary 1 m x 1 m PVC quadrat on the ground surface, and taking photographs, and at times collecting small soil samples (<500 g).
truck	1	standard size pickup truck	A pickup truck or similar vehicle would be used to carry sampling equipment to onshore sites.
primary productivity measures	9	1 m ²	These consist of sealed bottles with known algal and nutrient compositions, and would be deployed on site to measure algal productivity. They would be removed after measurements are done.

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የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ
የሰው ኃይል ስራ ለውጥ						
Diesel	fuel	1	50	50	Liters	Diesel fuel for the small boat listed above. Estimated maximum amount used for sampling work during the season.
Gasoline	fuel	1	100	100	Liters	Gasoline for the sampling truck listed above. Estimated maximum amount used for sampling work during the season.

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የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ	የሰው ኃይል ስራ ለውጥ
1	We will be sampling water and wastewater at the locations indicated. Total sampling will be approximately 1 L/day per site (i.e., far less than the 1 m ³ minimum value for Daily Amount).	Water sampled will be at the locations indicated on the map.

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

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

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The hamlet of Baker Lake is on the northern shore of Baker Lake, a large freshwater lake. The area is in a zone of continuous permafrost, with bedrock exposed in many areas. Surficial soils are characterized by silty sand and silty clays overlying boulder till, beach deposits, and reworked till. The Thelon River connects the Lake to upstream catchments and inlets into Baker Lake 11 km west of the hamlet.

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Vegetation in Baker Lake is characterized by low-lying mosses, sedges, lichens, shrubs, and willows. These are contained in the wetland area downstream of the sewage lagoon. The waters in the lagoon and wetland are enriched with algae from sewage nutrients.

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Baker Lake has a population of approximately 2,069. Drinking water comes from the Lake, approximately 120 m from the shoreline at 5-6 m depth below the surface. This water is treated with membrane filtration before use. Municipal wastewater is stored in holding tanks of individual buildings, then collected by pump trucks for discharge into the lagoon.

Miscellaneous Project Information

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Impacts on the existing physical and biological environment will be minimal. Small amounts of water and wastewater will be sampled. We will deploy sampling equipment onshore and offshore by attachment to fixed points to prevent them from being washed away (e.g., existing fences or posts as applicable onshore, buoys offshore). Any posts and such put up for sampling would be removed at the end of the sampling season.

Cumulative Effects

None expected.

Impacts

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ግብርና																				
Sampling sites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-
ግብርና																				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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