



NIRB Application for Screening #126480

Gjoa Haven Municipal Drinking Water Source Investigative Fisheries Study

Application Type: New

Project Type: Municipal and Industrial Development

Application Date: Monday, July 27, 2026

Period of operation: from 2026-07-12 to 2026-09-12

Project Proponent: Elan Chalmers
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Canada
Phone Number:: 8679755461, Fax Number::

Operations Phase: from 2026-07-12 to 2026-09-12

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Municipal Drinking Water Source	Municipal and Industrial Development	Municipal	Drinking water source and treatment plant	None	Site is part of the Municipality of Gjoa Haven Infrastructure

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Gjoa Haven	Jennifer Wakegijig	Municipality of Gjoa Haven	2026-07-15
Gjoa Haven	Raymond Quqshuun Sr.	Municipality of Gjoa Haven	2025-09-17

Authorizations

Indicate the areas in which the project is located:

Kitikmeot

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Nunavut Water Board	3BM-GJO1828	Active	2018-12-19	2028-12-18
Fisheries and Oceans Canada	Fish for Scientific Purposes Permit	Applied, Decision Pending		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Commercial flight	
Water	Motorless boat	
Land	Truck	

Project accomodation types

Community

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Non-motorized boat	1	N/A	Small non-motorized boat will be used to access the lake

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Gasoline	fuel	1	5	5	Liters	Drive to site, rental truck will come full of fuel

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	The water use will be negligible. Water withdrawn in the process of collecting fish will be returned to the lake.	Municipal water supply lake

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Sampling sites	Other, Disposable gloves, fishing line	1-5L	Municipal waste stream	N/A

Environmental Impacts:

Impacts are expected to be minimal. All sampling will be completed using non-destructive fishing techniques, such as trap nets or electrofishing. Angling may also be completed, depending on the success of other techniques, and employ barbless hooks and minimal "playing" of fish. All fish captured will be identified to species, measured, weighed and live released.

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

This study is to support the upgrade of the municipal drinking water system.

Description of Existing Environment: Physical Environment

Municipal drinking water source lake

Description of Existing Environment: Biological Environment

Fish present in lake

Description of Existing Environment: Socio-economic Environment

Municipal drinking water source lake

Miscellaneous Project Information

This study is to support the upgrade of the municipal drinking water system.

Identification of Impacts and Proposed Mitigation Measures

All sampling will be completed using non-destructive fishing techniques, such as trap nets or electrofishing. Angling may also be completed, depending on the success of other techniques, and employ barbless hooks and minimal "playing" of fish. All fish captured will be identified to species, measured, weighed and live released.

Cumulative Effects

None

Impacts

Identification of Environmental Impacts

	PHYSICAL												BIOLOGICAL											
	Designated environmental areas												Vegetation											
	Ground stability												Wildlife, including habitat and migration patterns											
	Permafrost												Birds, including habitat and migration patterns											
	Hydrology / Limnology												Aquatic species, incl. habitat and migration/spawning											
	Water quality												Wildlife protected areas											
	Climate conditions												SOCIO-ECONOMIC											
	Eskers and other unique or fragile landscapes												Archaeological and cultural historic sites											
	Surface and bedrock geology												Employment											
	Sediment and soil quality												Community wellness											
	Tidal processes and bathymetry												Community infrastructure											
	Air quality												Human health											
	Noise levels																							

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	polygon	Municipal Drinking Water Source
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