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: Thursday, July 23, 2026

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

Project Proponent:

Elan Chalmers
Government of Nunavut
PO Box 1000, stn 700
Iqaluit NU X0A0H0
Canada
Phone Number:: 8679755461, Fax Number::

DETAILS

Non-technical project proposal description

English: The Government of Nunavut, Department of Transportation and Infrastructure, is proposing this work as part of planning for upgrades to the municipality's drinking water system.The proposed work is a small, temporary fisheries study at the municipality's current drinking water source. The study will help determine how the source can continue to support the community's drinking water needs while protecting fish and fish habitat.A small field crew will collect information on fish species presence and relative abundance. Sampling will use non-lethal methods, such as trap nets and electrofishing. Angling may also be used if needed, with barbless hooks and minimal fish handling. All captured fish will be identified, measured, weighed, and released alive.No permanent facilities will be built. Access may be by truck, ATV, boat, or on foot, depending on site conditions.The results will support the water licence renewal process and future drinking water system upgrades. The long-term goal is to support a safe and reliable drinking water supply while avoiding or minimizing impacts to fish and fish habitat.The work will take place at or near the existing drinking water source, close to the community, and is not expected to occur in a protected area. Field work is expected to occur during the open-water season and will be completed over a short period, depending on weather and site conditions.

French: N/A

Inuktitut: ᓄᓇᕗᑦ ᒐᕙᒪᖓ, ᐃᖏᕐᕋᐃᓕᓂᖅᑯᑦ ᐊᒻᒪ ᐊᐅᓚᔪᓇᐅᑎᓕᕆᔨᒃᑯᑦ, ᑐᒃᓯᕋᖅᐳᑦ ᑖᓯᒥᖓ ᐱᓕᕆᐊᒃᓴᒥᒃ ᐃᓚᒋᔭᐅᔪᓂ ᐸᕐᓇᐃᓂᕐᒧᑦ ᓄᑖᙳᕆᐊᖅᑎᑦᑎᓂᕐᒧᑦ Hᐋᒻᒪᓚᒃᑯᑦ ᐃᒪᑦᑎᐊᕙᓕᕆᔾᔪᑎᖏᓐᓂᒃ.ᑐᒃᓯᕋᖅᑕᖅ ᐱᓕᕆᓂᕐᒧᑦ ᒥᑭᑦᑑᓪᓗᓂ, ᐃᖃᓗᓕᕆᓂᕐᒧᑦ ᖃᐅᔨᓴᕈᑕᐅᓚᐅᑲᒃᑐᖅ Hᐋᓪᓚᑦᑯᑦ ᐃᒥᖅᑕᕐᕕᒋᔭᖓᓂ. ᑕᒪᓐᓇ ᖃᐅᔨᓴᕐᓂᖅ ᐃᑲᔪᕐᓂᐊᖅᐳᖅ ᖃᐅᔨᒪᓕᕐᓂᕐᒥᒃ ᖃᓄᖅ ᐃᒥᖅᑕᕐᕕᐅᔪᖅ ᐃᑲᔪᖅᑐᐃᖏᓐᓇᕈᓐᓇᕐᒪᖔᑦ ᓄᓇᓕᖕᒥᐅᑦ ᐃᒥᖅᑕᐅᓯᓇᐊᖃᖅᐸᙱᓐᖏᓐᓂᒃ ᑕᐃᒪᐃᓕᐅᕐᓂᕐᒥᓂᓗ ᓴᐳᔾᔨᓯᒪᓗᑎᒃ ᐃᖃᓗᙵᓂᒃ ᐃᖃᓗᐃᓪᓗ ᐃᓂᒋᕙᒃᑕᖏᓐᖏᓐᓂᒃ.ᖃᔫᓐᓇᑯᓗᐃᑦ ᓄᓇᒥ ᐱᓕᕆᔨᐅᔪᑦ ᑲᑎᖅᓱᐃᓂᐊᖅᐳᑦ ᑐᓴᖅᑕᐅᔪᒃᓴᓂᒃ ᐃᖃᓗᐃᑦ ᐊᔾᔨᒌᙱᑦᑐᓂᒃ ᐱᑕᖃᕐᓂᖏᓐᓂᒃ ᖃᓄᕐᓗ ᐅᓄᖅᑎᒋᓂᖏᓐᓂᒃ. ᖃᐅᔨᓴᕋᒃᓴᑦ ᑐᕐᑯᓇᙱᑦᑐᓂᑦ ᐊᑐᕐᓂᐊᖅᑐᑦ, ᓲᕐᓗ ᒪᑦᑎᑦᑕᐅᑎᓂᑦ ᐅᐊᔫᖅᑐᓂᓪᓗ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᑦ. ᐃᖃᓗᒐᓱᖕᓂᖅ ᐊᑐᖅᑕᐅᔪᓐᓇᕐᒥᔪᖅ ᐱᔭᕆᐊᖃᕈᓂ, ᑭᓕᕐᓇᖅᑐᖃᙱᑦᑐᓂᒃ ᐊᐅᓚᓴᐅᑎᓂᒃ ᐊᒻᒪ ᐃᖃᓗᙵᓂᒃ ᑲᒪᒋᔭᖃᑯᑖᙱᓪᓗᑎᒃ. ᐃᖃᓗᓕᒫᑦ ᐱᔭᐅᔪᑦ ᓇᓗᓇᐃᖅᑕᐅᓂᐊᖅᑐᑦ, ᐆᒃᑐᕋᖅᑕᐅᓗᑎᒃ, ᐅᖁᒪᐃᓐᓂᖅᓯᐅᖅᑕᐅᓗᑎᒃ, ᓴᒃᑯᑕᐅᓗᑎᓪᓗ ᐆᒪᓗᑎᒃ.ᐃᒡᓗᕐᔪᐊᓂᒃ ᓴᓇᔪᖃᔾᔭᙱᑦᑐᖅ. ᓄᓇᒃᑰᕈᑎᒃᑰᓐᓇᖅᑐᑦ, ᑎᓴᒪᓕᒃᑯᑦ, ᐅᒥᐊᒃᑯᑦ, ᐱᓱᓪᓗᑎᓪᓘᓐᓃᑦ, ᐃᓂᐅᑉ ᖃᓄᐃᓕᖓᓂᖓ ᒪᓕᒃᑕᐅᓗᓂ.ᖃᐅᔨᔭᐅᔪᑦ ᐃᑲᔪᖅᑐᐃᓂᐊᖅᐳᑦ ᐃᒪᕐᒧᑦ ᓚᐃᓴᓐᓯᒥᒃ ᓄᑖᙳᕆᐊᖅᑎᑦᑎᓂᕐᒥᒃ ᓯᕗᓂᒃᓴᒥᓗ ᐃᒪᑦᑎᐊᕙᓕᕆᔾᔪᑎᓂᒃ ᓄᑖᙳᕆᐊᖅᑎᑦᑎᓂᕐᒥᒃ. ᐊᕗᙵᑲᓪᓚᒃ ᑐᕌᕆᔭᐅᔪᖅ ᐃᑲᔪᖅᑐᐃᔪᒪᓂᐅᕗᖅ ᖁᐊᖅᓵᕐᓇᙱᑦᑐᒥᒃ ᐊᑐᖅᑕᐅᑦᑎᐊᕈᓐᓇᖅᑐᒥᒡᓗ ᐃᒪᕐᒥᒃ ᐃᒥᖅᑕᐅᕙᒃᑐᒥᒃ ᑕᐃᒪᐃᓕᐅᕐᓂᕐᒥᓂᓗ ᐊᑐᖅᑎᑦᑎᑦᑕᐃᓕᒪᓗᓂ ᒥᑭᒡᓕᒋᐊᖅᑎᑦᑎᓗᓂᓘᓐᓃᑦ ᐊᒃᑐᖅᓯᓂᕆᔭᐅᔪᓂᒃ ᐃᖃᓗᙵᓂᒃ ᐃᖃᓗᐃᓪᓗ ᐃᓂᒋᕙᒃᑕᖏᓐᖏᓐᓂᒃ.ᑕᒪᓐᓇ ᐱᓕᕆᐊᖑᔪᖅ ᐱᓕᕆᐊᖑᓂᐊᖅᐳᖅ ᑕᐃᑲᓂ ᖃᓂᒋᔮᙱᓂᓘᓐᓃᑦ ᐱᑕᖅᐸᒌᖅᑐᒥ ᐃᒥᖅᑕᐅᕙᒃᑐᒥ ᐃᒥᖅᑕᕐᕕᐅᕙᒃᑐᒥ, ᓄᓇᓕᐅᑉ ᖃᓂᒋᔮᙱᓂ, ᓂᕆᐅᒋᔭᐅᙱᓪᓗᓂᓗ ᑲᔪᓯᑎᑕᐅᓇᔭᕐᓂᖓᓂᒃ ᓴᐳᑦᔭᐅᓯᒪᔪᒥ ᐃᓂᒥ. ᓯᓚᒥ ᐱᓕᕆᓂᕆᔭᐅᔪᖅ ᓂᕆᐅᒋᔭᐅᔪᖅ ᐱᓕᕆᐊᖑᓂᐊᕐᓂᖓᓂᒃ ᐃᒪᐅᔪᓐᓃᕋᖓᑦ ᐱᔭᕇᖅᑕᐅᓂᐊᖅᓗᓂᓗ ᕿᓚᒥᑯᓗᒃ, ᓯᓚ ᖃᓄᐃᑦᑑᓂᖓ ᐊᒻᒪ ᐃᓂᐅᑉ ᖃᓄᐃᓕᖓᓂᖓ ᒪᓕᒃᑕᐅᓗᓂ.

Personnel

Personnel on site: 2

Days on site: 5

Total Person days: 10

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
Information is not available						

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Information is not available				

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

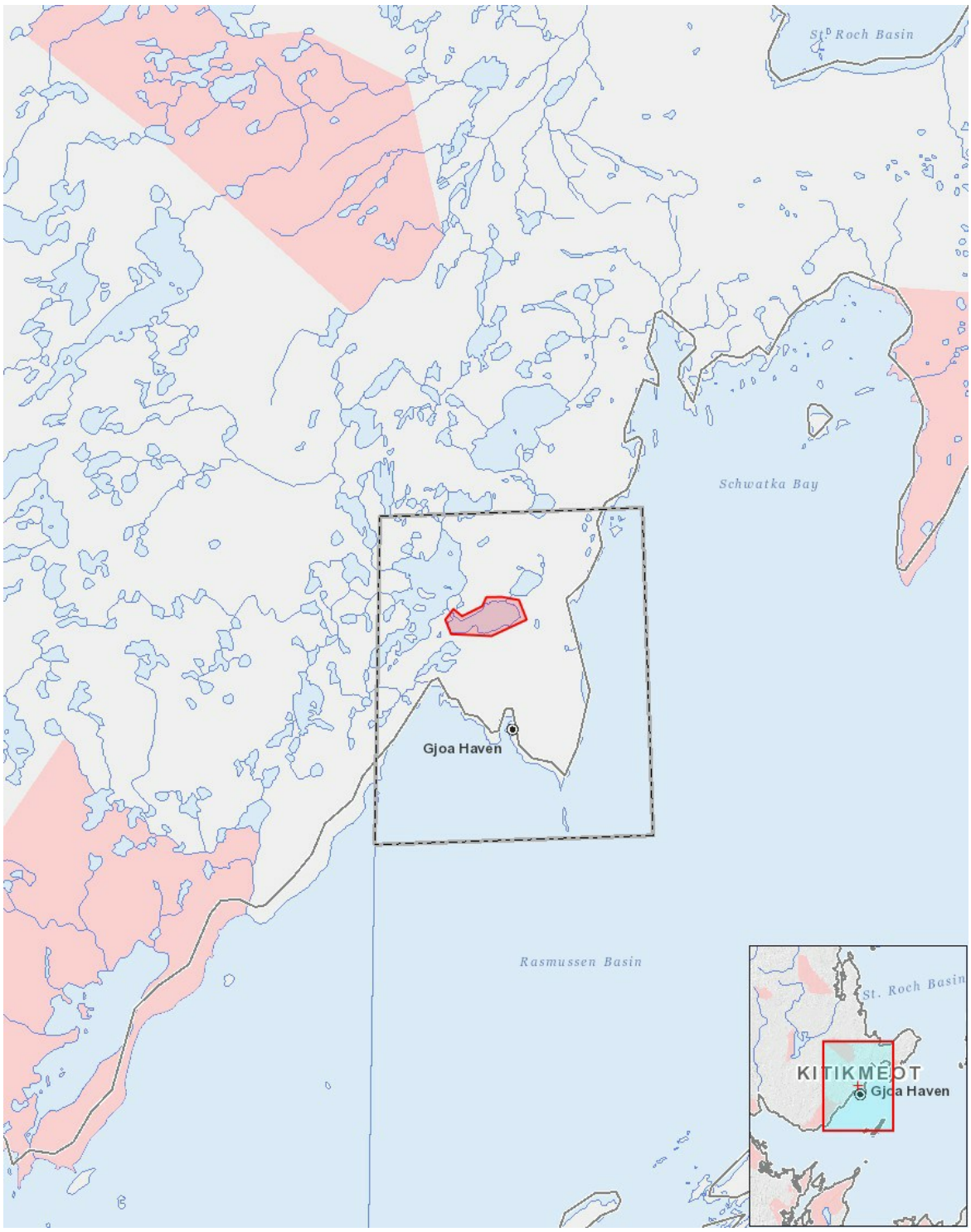
Impacts

Identification of Environmental Impacts

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

(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