



NIRB Application for Screening #126194

FISHES: Fostering Indigenous Small-scale fisheries for Health, Economy, and food Security

Application Type: New

Project Type: Scientific Research

Application Date: Wednesday, May 28, 2025

Period of operation: from 2026-04-01 to 2028-12-31

Project Proponent: Jean-Sebastien Moore
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DETAILS

Non-technical project proposal description

English: See attached documents.

French: See attached documents.

Inuktitut: See attached documents.

Personnel

Personnel on site: 1

Days on site: 14

Total Person days: 14

Operations Phase: from 2025-04-01 to 2026-03-31

Operations Phase: from 2026-04-01 to 2028-12-31

Post-Closure Phase: from to

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
7 Polygon - South Main Land Murchison, Hayes River, Back River	Sampling sites	Marine	N/A	N/A	N/A
1 Polygon - Boothia North - Potential Commercial Fishing - 200 Samples	Sampling sites	Marine	N/A	N/A	N/A
2 Polygon - Boothia East Coast - 100 Samples	Sampling sites	Marine	N/A	N/A	N/A
4. Polygon - Boothia West Coast - 100 Samples	Sampling sites	Marine	N/A	N/A	N/A
Polygon 6 Gjoa Haven Bay - Murchison Bay 100 Samples	Sampling sites	Marine	N/A	N/A	N/A
5 Polygon King William Island -100 samples	Sampling sites	Marine	N/A	N/A	N/A
3. Polygon Boothia Center-Taloyoak 150 samples	Sampling sites	Marine	N/A	N/A	N/A

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Gjoa Haven	Anthony Anguttitauruq	Gjoa Haven Hunters & Trappers Association	2025-02-11
Taloyoak	Jimmy Ullikatalik	Taloyoak Umarulirigut Association	2025-02-11

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Fisheries and Oceans Canada	License to Fish for Scientific Purposes (License # S-25/26-1004-NU) obtained conditional to project approval.	Active	2025-04-30	2026-03-31
Hunters and Trappers Associations/Organizations	Letters of Support - Taloyoak Umarulirigut Association and Gjoa Haven Hunters & Trappers Association	Active	2025-02-11	2028-12-31

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Air transport will be required for Laval University supporting personnel	
Water	Water (boat) transport will be required to reach sampling sites	

Project accomodation types

Temporary Camp

Permanent Camp

Community

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Fishing net	N/A	N/A	Subsistence fisheries, samples will be taken from the catch

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:

Environmental impacts should be minimal, and the project should have no further influence on the environment than the existent subsistence fisheries already have (e.g. some bycatch of untargeted species, which are often used as dog food).

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

Description of Existing Environment: Physical Environment

The main goal of this proposal is to provide continued support to the communities of Gjoa Haven and Taloyoak for the ongoing application for a commercial fishing license. There are currently no designated commercial fishing zones in the region.

Description of Existing Environment: Biological Environment

This project mainly involves Arctic char fisheries. Arctic char is an anadromous species that migrates from its spawning sites in freshwater to its feeding sites at sea in the spring, and comes back from the sea in the fall to overwinter and/or spawn. Arctic char is an abundant species in Arctic aquatic environments and can be found throughout the Arctic Ocean.

Description of Existing Environment: Socio-economic Environment

This project will involve the communities' subsistence fisheries for arctic char, which mainly happens in the spring and in the fall, when the fish are running between their feeding and spawning sites. Subsistence fisheries for Arctic char are an important activity both culturally, nutritionally and economically. In the proposed project, we collaborate with subsistence fishers to obtain samples from their catch, which we then use to generate high-quality data to assist the fisheries management and support the communities with their commercial fisheries application.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

The proposed procedure reduces considerably the impact of our sampling activities, since we do not cause any further handling and/or mortality of Arctic char than what the already existing subsistence fisheries already cause. This is a net positive impact for our research activities, as opposed to a scenario where we would need to catch fish solely for sampling purposes. The proposed collaborative approach, involving local fishers in the sampling activities has yielded high success, as they know which spots to go to to catch fish. This is a net positive as it has drastically reduced the time and resources required to obtain the required number of samples.

Cumulative Effects

The long term goals of this project involve both communities getting a commercial fishing license, which would create jobs and provide regular income for the communities. In the meantime, the data and

management tools generated by our research activities would provide guidance for the durable management of the fish stocks and related harvesting activities by the communities, reinforcing their stewardship over this important resource.

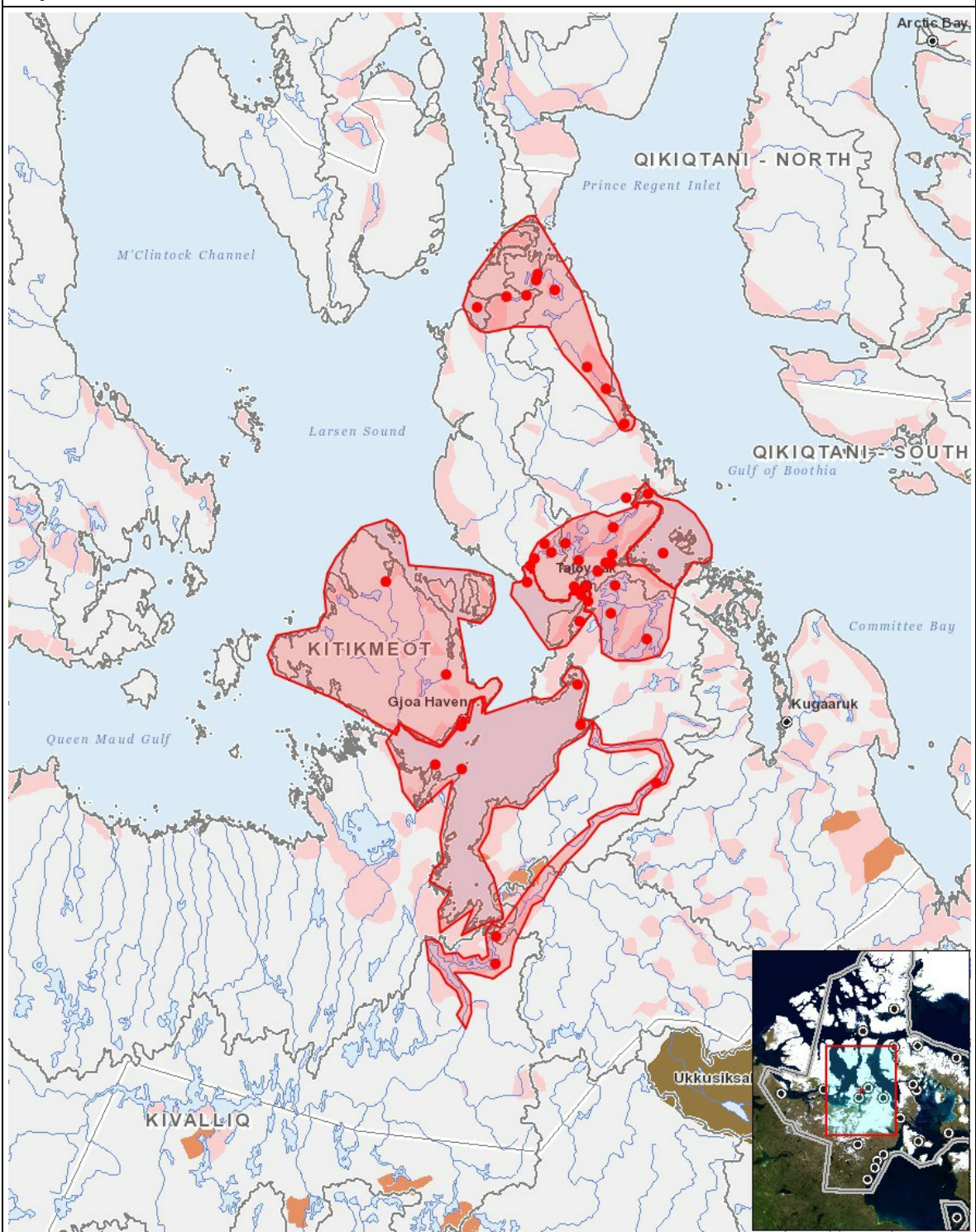
Impacts

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																									
Sampling sites		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	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 | 7 Polygon - South Main Land Murchison, Hayes River, Back River |
| 2 | polygon | 1 Polygon - Boothia North - Potential Commercial Fishing - 200 Samples |
| 3 | polygon | 2 Polygon - Boothia East Coast - 100 Samples |
| 4 | polygon | 4. Polygon - Boothia West Coast - 100 Samples |
| 5 | polygon | Polygon 6 Gjoa Haven Bay - Murchison Bay 100 Samples |
| 6 | polygon | 5 Polygon King William Island -100 samples |
| 7 | polygon | 3. Polygon Boothia Center- Taloyoak 150 samples |
| 8 | point | Nudlukta - Nalluqtap Tasia - ᐃᓕᓄᑦᑕᓪᑕᓪᑕ |
| 9 | point | Aqviqtunnuap Tasia - ᐱᖅᐃᖅᓂᓪᑭᓪᑕᓪᑕᓪᑕ |
| 10 | point | Aitsauqtungiaq - ᐱᐃᓕᓄᑦᑕᓪᑕᓪᑕᓪᑕᓪᑕ |

11 point	Back River
12 point	Richardson Point
13 point	Ogle point
14 point	Hayes River
15 point	Taloyoak
16 point	Netsilik Lake - ᐃᑦᑎᑦᑲ
17 point	Tariuqnittuq - ᑕᑎᐅᑦᓂᑦᐅᑦ
18 point	Kangalasiuqvikruaq - ᑲᐱᑕᑦᑲᑦᐅᑦᐃᑦᐅᐅᑦ
19 point	Iqalungmiut (Fishing Weir)
20 point	Petersen Bay
21 point	Amittuqruaq - ᐱᑦᑦᑕᑦᐅᑦᐅᑦ
22 point	Tasiqruaq - ᑕᑦᑲᑦᐅᑦᐅᑦ
23 point	Kanngiqlukruaq - ᑲᐱᑕᑦᑲᑦᐅᑦᐅᑦ
24 point	Aksalikkat - ᐱᑦᑲᑦᑲᑦᑲᑦ
25 point	Abernethy Lake - Qamaninajuk - ᑲᑭᑕᑦᑲᑦ
26 point	Abernethy River Mouth - Arviqtutiaq Bay - ᐱᑦᑲᑦᑲᑦᐅᑦᐅᑦ
27 point	Ilau'nalik - ᐱᑕᑦᑲᑦᑲᑦ
28 point	Thom Bay- Itsuaqtuqvik - ᐅᑦᑲᑦᑲᑦᐅᑦᐅᑦ
29 point	Lord Lindsay Lake - Tasiq - ᑕᑦᑲᑦ
30 point	Lord Mayor Bay
31 point	Garry River - Palliq - ᑕᑦᑲᑦᑲᑦ
32 point	Josephine Bay (Garry River Mouth)
33 point	Spence Bay
34 point	Willerstedt Inlet -Tasiuraq Iluliy - ᑕᑦᑲᑦᑲᑦᐅᑦᐅᑦ
35 point	Redfish Lake - Ivitaruqtuq - ᐱᑕᑦᑲᑦᐅᑦᐅᑦ
36 point	Ivitaruqtup Panga - ᐱᑕᑦᑲᑦᐅᑦᐅᑦᑕᑦᑲᑦ
37 point	Middle Lake - Tasiqruaq - ᑕᑦᑲᑦᐅᑦᐅᑦ
38 point	Kangalasiuqviaqruk - ᑲᐱᑕᑦᑲᑦᐅᑦᐅᑦᐅᑦ
39 point	Angmalurtuq - ᐱᑕᑦᑲᑦᐅᑦᐅᑦ
40 point	Shepard Bay
41 point	Inglis Bay
42 point	Murchinson Lake - Tahiararŕuaq ᑕᑎᐅᑦᑕᑦᑕᑦᑕᑦ
43 point	Port Parry - Tununiup qamania - ᐅᑦᑕᑦᑕᑦᑕᑦᑕᑦ
44 point	Jekyll Lake - Uplasaulikruaq - ᐅᑦᑕᑦᑕᑦᑕᑦᑕᑦ
45 point	Krusenstern Lake - Tigluaqvik - ᑎᑦᑕᑦᑕᑦᑕᑦ
46 point	Lady Melville Lake - Tasinajuk - ᑕᑦᑕᑦᑕᑦ
47 point	Kangikjuke Lake - Kangiqluk - ᑲᐱᑕᑦᑲᑦᐅᑦ
48 point	Hansteen Lake -Tasiqruaq - ᑕᑦᑲᑦᐅᑦᐅᑦ
49 point	Pangnikto Lake - Panngnirtuq - ᑕᑦᑕᑦᑕᑦᑕᑦ
50 point	Amitsuq - ᐱᑕᑦᑕᑦᑕᑦ
51 point	Kangiqqlunajuk - ᑲᐱᑕᑦᑲᑦᐅᑦᐅᑦ