



## **NIRB Uuktuutinga Ihivriuqhikhamut #126197**

### **Qikiqtarjuaq Coastal Baseline Study – Open Water Work 2025**

**Uuktuutinga Qanurittuq:** New

**Havaap Qanurittunia:** Scientific Research

**Uuktuutinga Ublua:** Monday, June 9, 2025

**Period of operation:** from 2025-09-07 to 2025-09-21

**Havauhikhaq**  
**Ikayuqtinga:** Christopher Lewis  
Fisheries and Oceans Canada  
3B-630 Queen Elizabeth Way  
Iqaluit Nunavut X0A 3H0  
Canada  
Hivayautit Nampanga:: 867-222-6206, Kayumiktukkut Nampanga::

**Tukihiannaqtunik havaariyauyumayumik uqauhiuyun**

Uiviititut: N/A - only required for the City of Iqaluit according to guidelines.

## Personnel

Personnel on site: 5

Days on site: 14

Total Person days: 70

Operations Phase: from 2025-09-07 to 2025-09-21

# Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaiiyainnit nuna
LFSP_- _Lewis_CoastalBaseline_2025	Sampling sites	Municipal	N/A	N/A	approx. 20 km from Qikiqtarjuaq

## Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Qikiqtarjuaq	Nattivak Hunters and Trappers Association (Chair - Tommy Atsanik)	Nattivak Hunters and Trappers Association	2025-03-17

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Hunters and Trappers Associations/Organizations	letter of support for research as per article 5 of the Nunavut Agreement	Active	2025-03-17	2025-12-31
Iqalukhiurniqmut Tariuqmilu Kaanata	licence to fish for scientific purposes and animal use protocol	Applied, Decision Pending	2025-04-07	2025-10-15

## Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	vessel owned by a local operator/outfitter in Qikiqtarjuaq	

## Project accomodation types

Nunauyuq

# Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
one vessel	1	~ 8 m	for transportation to and from the sample locations (vessel will be owned by a local outfitter)
scientific equipment to collect data	one (see proposed use)	1-2 cubic meters	- collection of water and phytoplankton samples with Niskin bottle samplers- collection of zooplankton with zooplankton nets (about 0.5 m in diameter) and small hand-held dip nets- collection of environmental information using vertical CTDs (Conductivity, Temperature, Depth; Castaway CTD, Sontek & RBR CTD)- collection of benthic invertebrates with a grab sampler, small dredge or by hand-shoreline seine-sample jars

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Gasoline	fuel	0	0	0	Gallons	fuel will be limited to the capacity of the vessel (about 25 G)
not applicable	hazardous	0	0	0	Gallons	not applicable to our study

## Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0		

# Iqqakuq

## Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Information is not available				

### Avatiliriniqmut Ayurhautingit:

The Baseline Program supports the collection of ecological data to describe the current state (baseline) of key coastal areas across Canada.

# **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**

### **Qanurittuq Ittunik Avatinga: Avatingalluanga**

Marine sampling areas are adjacent to shipping routes and vessel traffic during the open water season. There is a National park to the South of our sampling sites and adjacent bird sanctuaries; however, none of our sample sites are within the boundaries of these areas. Some subsistence harvesting for seals, narwhal, fish, and clams occur within the general vicinity of this project. Some physical valued ecosystem components include a combination of physical (e.g., tides), biogeochemical (e.g., water characteristics), and substrate quality.

### **Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

The sampling areas overlap with important habitat for many marine mammals (e.g., seals, narwhal, Bowhead whales), fish (e.g., sculpins, Arctic Cod, Arctic Char), shellfish (e.g., sea urchins, clams) and a variety of coastal bird species. All of these species, including other lower trophic species (e.g., phytoplankton, zooplankton, invertebrates, seaweed) are valued ecosystem components.

### **Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga**

All marine sampling locations are within approximately 20 km of the Hamlet of Qikiqtarjuaq. The sampling areas are also adjacent to a national park, bird sanctuaries, and some subsistence harvesting areas. These areas are also important to many outfitters and harvesters from Qikiqtarjuaq.

### **Miscellaneous Project Information**

This federally mandated monitoring program has been developed through close consultation with many key stakeholders. Our local co-management partner in Qikiqtarjuaq, the Nattivak Hunters and Trappers Association, has been involved in all planning, completion, and reporting activities related to this project. An annual letter of support has been provided by the Nattivak HTA as per article 5 of the Nunavut Agreement. Annual reporting back to the community has happened in annual (at a minimum) public meetings. This project has also been closely coordinated through ongoing discussions and input from the Hamlet. Furthermore, there is a large outreach component to our work, which involves regular hands-on activities with students from the local school.

### **Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

Sampling events and locations will be adjusted to avoid other vessel traffic/operations.

### **Tamatkiumayunik Ihuikgutivaktunik**

n/a

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

	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
Havakvinga																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aulapkaininnga																									
Sampling sites	-	-	-	-	P	P	-	-	P	P	-	-	-	-	-	-	-	P	-	-	P	P	-	-	-
Piiqtauniq																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)



List of Project Geometries

1	point	LFSP_-_Lewis_CoastalBaseline_2025
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