



## **NIRB Uuktuutinga Ihivriuqhikhamut #126223**

### **Ocean Tracking Network: Marine fish tracking in Baffin Bay and connected waters onboard the RV Kiviuq 1.**

**Uuktuutinga Qanurittuq:** New

**Havaap Qanurittunia:** Scientific Research

**Uuktuutinga Ublua:** Monday, August 11, 2025

**Period of operation:** from 2025-08-03 to 2028-10-19

**Havauhikhaq** Kevin Hedges

**Ikayuqtinga:** Fisheries and Oceans Canada

501 University Crescent

Winnipeg MB R3T 2N6

Canada

Hivayautit Nampanga:: 2047705814, Kayumiktukkut Nampanga::





## Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years	Scientific/International Polar Year Research	Marine	Ocean Tracking Network moorings located in the area for more than 3 years.	N/A	Inside Hatton Basin Conservation Area
Outer half of Cumberland Sound; moorings located in area for last two years	Scientific/International Polar Year Research	Marine	Ocean Tracking Network moorings located in the area for last two years	N/A	Closest Community is Pangnirtung; inside the Cumberland Sound Turbot Management Area
NAFO Divisions 0A-0B border inside Davis Strait Conservation Area; moorings located in the area for 3+ years	Scientific/International Polar Year Research	Marine	Ocean Tracking Network moorings located in the area for more than 3 years.	N/A	Inside Davis Strait Conservation Area
Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years	Scientific/International Polar Year Research	Marine	Ocean Tracking Network moorings located in the area for more than 3 years.	N/A	Inside Hatton Basin Conservation Area

## Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqtigiyaungmata
Pangnirtuuq	Mark Kilabuk	Pangnirtung Hunters and Trappers Organization	2025-05-21

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Transboundary  
South Baffin

## Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Iqalukhiurniqmut Tariuqmilu Kaanata	Licence to Fish for Scientific Purposes	Applied, Decision Pending		
Nunavunmi Ihivriuqniqmut Timiqutigiyanga	NRI license to deploy moorings in Cumberland Sound	Applied, Decision Pending		

## Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	Commercial air travel for field crew from Ontario to Nunavut, and return to Ontario	
Water	Transit of F.V. Kiviuq I from Newfoundland to Nunavut, research cruise in Nunavut for this project, transit of ship back to Newfoundland at end of project.	

## Project accomodation types

Alaanut,

# Ihuaqtivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Kiviuq 1	1	28.53	The Kiviuq 1 is a steel fixed-gear fishing vessel owned by Arctic Fishery Alliance. It is equipped with freezing at sea capabilities. The net tonnage of the vessel is 199.38. The maximal vessel speed is 12 knots. The Kiviuq is primarily used for marine research and delivers supplies to Arctic Fishery Alliance's owner communities during the summer months.

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninga

Qanurittuq urhuqyuaq hunavaluit aturninga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Oil and lubricant products	hazardous	1	3000	3000	Gallons	2-20 gallons of oil and lubricant products are used on a daily basis for a vessel in the 25 meter size range.
Diesel	fuel	1	130000	130000	Gallons	On average a small research vessel fuel consumption is about 15-30 gallons per hour (this is dependent upon factors such as vessel size, speed and type of work occurring).

## Imaqmik Aturninga

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
Scientific/International Polar Year Research	Qirnarivyaktuq imaq	246 liters per day per person	Greywater will be released back into the marine environment in designated areas/zones where this is allowed. All marine transport laws will be followed. Greywater will include cleaning and rinsing of the vessel deck after sampling procedures are completed.	No additional treatment procedures are identified.
Scientific/International Polar Year Research	Qayangnaqtut	1-2% of heavy fuel oil used ends up as sludge	All oil and lubricant products used will be stored safely in appropriate containers and disposed of when the vessel reaches the home port. Disposal at port will follow provincial and federal guidelines for safe disposal.	No additional treatment procedures are identified.
Scientific/International Polar Year Research	Ikulalimanggittun iqqakuvaluin	1.4-2.3 Kg per person per day	All non-combustible waste will be stored on board the vessel and disposed when the vessel reaches a port. Disposal at the port will follow provincial/territorial and federal guidelines for safe disposal.	No additional treatment procedures are identified.
Scientific/International Polar Year Research	Atakuin (halumaiqtun nunan, iqqakuvaluillu uyaqqiqivingmin)	80-200 kg per long line set	Overburden (organic waste products from longlining) will be released back into the marine environment in designated areas/zones where this is allowed. All marine transport laws will be followed.	No additional treatment procedures are identified.
Scientific/International Polar Year Research	Anaagun (inuin anaaguin)	30 liter per person per day	Sewage will be stored in a holding tank and released into the marine environment in designed areas where this is allowed. All marine transport laws will be followed regarding waste and	No additional treatment procedures are identified.

		dumping of waste.	
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**Avatiliriniqmut Ayurhauingit:**

Environmental impacts are expected to be minor and reversible. Project activities are focused on releasing captured fish alive and in good condition, and minimizing impacts on habitats to minimize effects on fish movement and habitat selection behaviours.

# **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**

Research will occur in marine waters outside any concentrations of sea ice. Marine areas are used by other vessels for transportation, commercial fishing (outside Conservation areas, where longlining will take place) tourism, military purposes.

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

Marine biological community is considered healthy; commercial fisheries for Greenland Halibut and Northern and Striped Shrimp being sustainably managed.

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

Cumberland Sound is a traditional hunting and fishing area for the community of Pangnirtung. Project activities, area and duration were co-developed with the Pangnirtung Hunters and Trappers Organization board.

### **Miscellaneous Project Information**

N/A

### **Naunaiyainiq ukuninga Ayurhauingit unalu Piumayaat Ikkliyuumiutinahuarutit**

No significant impacts anticipated; no mitigation measures developed.

### **Tamatkiumayunik Ihuikgutivaktunik**

Significant cumulative effects with other human activities or climate change are not anticipated. Project is small in scale, occurs away from other human activities, and is focused on releasing caught fish alive and healthy, and minimizing impacts on marine habitats to obtain realistic data on fish movement and habitat use.

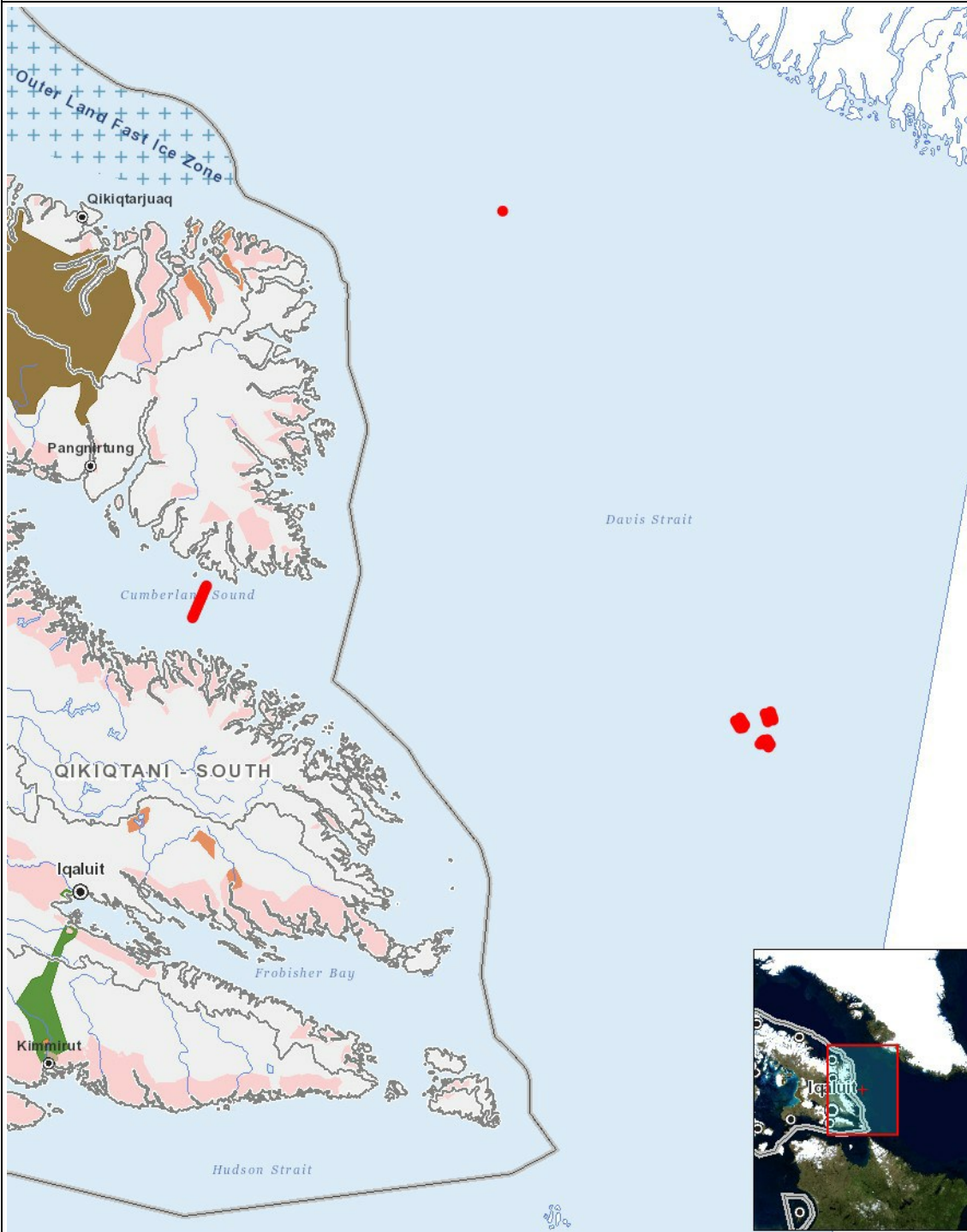
# Impacts

## Ilitariyauniq Avatiliriniqmut Ayurhauingit

	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
<b>Havakvinga</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Aulapkaininnga</b>																									
Scientific/International Polar Year Research	-	-	-	-	M	-	-	-	-	-	-	-	M	-	-	-	M	M	-	-	P	-	-	-	-
<b>Piiqtauniq</b>																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

# Havaariyauyukhamut Nayugaa



## List of Project Geometries

- 1 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 2 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 3 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 4 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 5 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 6 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years

- 7 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 8 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 9 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 10 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 11 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 12 point NAFO Divisions 0B-2G border inside Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 13 point Outer half of Cumberland Sound; moorings located in area for last two years
- 14 point NAFO Divisions 0A-0B border inside Davis Strait Conservation Area; moorings located in the area for 3+ years
- 15 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 16 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 17 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 18 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 19 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 20 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 21 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 22 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 23 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 24 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 25 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 26 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 27 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 28 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 29 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 30 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 31 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 32 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years
- 33 point Northern end of Hatton Basin Conservation Area; moorings located in the area for 3+ years



70 point Outer half of Cumberland Sound; moorings located in area for last two years

71 point Outer half of Cumberland Sound; moorings located in area for last two years