



NIRB Uuktuutinga Ihivriuqhikhamut #126158

Marine Acoustic Monitoring in Akpait and Qaqulluit NWAs

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuutinga Ublua: Tuesday, March 25, 2025

Period of operation: from 2025-07-28 to 2027-09-26

Havauhikhaq Ikayuqtinga: Danica Hogan
Canadian Wildlife Service
PO Box 2310
Yellowknife Northwest Territories X1A2P7
Canada
Hivayautit Nampanga:: 867-669-4754, Kayumiktukkut Nampanga::

Personnel

Personnel on site: 6

Days on site: 2

Total Person days: 12

Operations Phase: from 2025-07-28 to 2027-09-26

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaiiyainnit nuna
Akpait NWA (marine boundary only)	Researching	Marine	Akpait National Wildlife Area (NWA) protected area designated under the Canada Wildlife Act. The area is managed by the Canadian Wildlife Service and the Sululiit Area Co-Management Committee. We will deploy one marine acoustic recorder within this boundary, in a location recommended by the ACMC.	N/A	Marine boundary of Akpait National Wildlife Area. Qikiqtarjuaq is the closest community (about ~130km northwest of Akpait NWA)
Qaqulluit NWA (marine boundary only)	Researching	Marine	Qaqulluit National Wildlife Area (NWA) protected area designated under the Canada Wildlife Act. The area is managed by the Canadian Wildlife Service and the Sululiit Area Co-Management Committee. We will deploy one marine acoustic recorder within this boundary, in a location recommended by the ACMC.	N/A	Marine boundary of Qaqulluit National Wildlife Area. Qikiqtarjuaq is the closest community (about ~100km northwest of Qaqulluit NWA)

Nunaliin Ilaayun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuuyuq	Upluani Uqaqatigiyaungmata
Qikiqtarjuaq	Chair (Meeka Newkingnak) and	Sululiit Area Co-Management Committee	2025-03-03

	committee members		
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Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Kaanatami Huradjat Munariniq	National Wildlife Area Permit	Applied, Decision Pending		
Nunavunmi Ihivriunqimut Timiqutigiyanga	Nunavut Scientific Research License. The HTO will be consulted on this project via the NRI Research Permit process. We will not send the MBS permit application separately so we avoid over-taxing the HTO with double consultation.	Applied, Decision Pending		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	Nunavut Experience Outfitting (Billy Arnaquq)	

Project accomodation types

Nunauyuq

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Sountrap ST 600 acoustic recorder	2	0.5m in length	passively record unwater sounds in the NWA
PORT MFE acoustic release & PACS deck box with MFE transducer	2	NA	Allows the crew to recover the acoustic recorder by triggering release on the mooring
25lb iron plate weights	10	11	used to anchor the recorders to the sea floor
14 inch floats and marine rope	4	14 diameter, 40m rope	Used to allow the acoustic recorder to resurface when released from mooring
12 gauge shotgun and ammo	1	NA	for polar bear safety
Local boat from Qikiqtarjuaq	1	Unknown- will update	for travelling to mooring sites

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninga

Qanurittuq urhuqyuaq hunavaluit aturninga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Diesel	fuel	10	25	250	Liters	For boat - travelling from Qikiqtarjuaq to the mooring sites within NWAs. Fuel amount still TBD.

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
Information is not available				

Avatiliriniqmut Ayurhautingit:

This project will have minimal impacts to marine wildlife, however, there is a chance that deployment and retrieval activities could disturb any wildlife in the area. The vessel will contribute to underwater noise in the area, could potentially strike whales or other submerged marine wildlife, and will likely cause some wildlife to flee the vessel. Crew will follow guidelines provided by the ACMC for vessel operation and will attempt to avoid wildlife whenever safely possible. Time spent in the NWA will be minimized to the time required to deploy the recorders (estimated 1 days per year). It is likely that wildlife disturbed by the ship will resume normal behavior once the ship leaves the area. The vessel will not enter the NWA unless it is deemed safe to do so by the boat operator that is experienced in navigating Arctic waters and knowledgeable in assessing ice conditions. This will reduce the risk of a serious vessel accident that could result in pollution of habitat in the NWA.

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

Created in 2010, Akpait and Qaqulluit NWAs protect the nesting cliffs of colonial seabirds as well as their joint and larger marine waters extending to the territorial sea limit. The marine rich waters provide essential feeding grounds for nesting seabirds between April and October each year, in addition to supporting a variety of marine mammals including different types of seals, polar bears and various whale species.

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Located 30 km apart, together Akpait and Qaqulluit represent one of the most important seabird areas in the eastern Canadian Arctic, supporting more than 500,000 marine birds during the summer. The Akpait NWA hosts one of the largest colonies of thick-billed murre, equivalent to 8% of the Canadian population (about 130,000 pairs). Akpait is the Inuktitut word for "murre". Other seabirds nesting in large numbers at Akpait include northern fulmars and black-legged kittiwakes. The Qaqulluit NWA hosts the largest colony of northern fulmars, equivalent to 20% of the Canadian population (about 27,000 pairs). Qaqulluit is the Inuktitut word for "fulmar". Other nesting birds found in smaller numbers at Qaqulluit include black guillemots, glaucous and Iceland gulls.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Miscellaneous Project Information

Naunaiyainiq ukuninga Ayurhauingit unalu Piumayaat Ikiykiuumiutinahuarutit

Tamatkiu mayunik Ihuikgutivaktunik

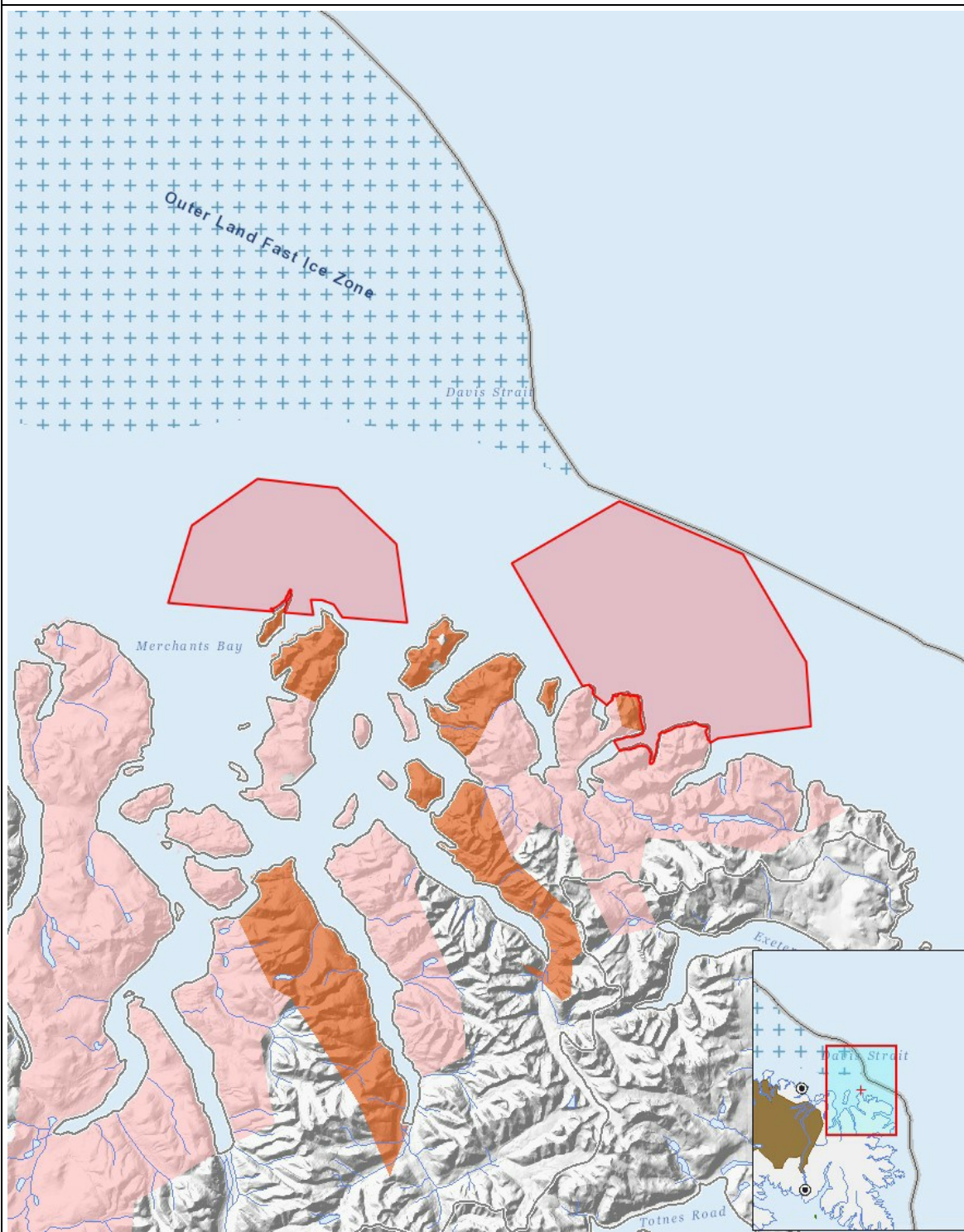
Impacts

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
Havakvinga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aulapkaininnga		P	-	-	-	-	-	-	-	-	-	-	U		-	U	U	M	P		-	-	P	-	-
Piiqtauniq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

- | | | |
|---|---------|-------------------------------------|
| 1 | polygon | Akpait NWA (marine boundary only) |
| 2 | polygon | Qaulluit NWA (marine boundary only) |