



NIRB Uuktuutinga Ihivriuhikhamut #125552

Tallurutiup Imanga Underwater Noise Baseline Pilot

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuutinga Ublua: 7/30/2020 9:54:48 AM

Period of operation: from 0001-01-01 to 0001-01-01

Piumayaat Angirutinga: from 0001-01-01 to 0001-01-01

Havauhikhaq Ikayuqtinga: Clare Kines
Parks Canada Agency
Box 73
Arctic Bay NU X0A 0A0
Canada
Hivayautit Nampanga:: 867-324-0124, Kayumiktukkut Nampanga::

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
Area within Hydrophone #1 will be placed. Adam's Sound, approaches to Arctic Bay	Scientific/International Polar Year Research	Marine	Site is a marine area, within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.	none	Within the traditional use area of Arctic Bay, at the mouth of Adam's Sound. It is within Tallurutiup Imanga National Marine Conservation Area.
Area within Hydrophone #2 will be placed. Strathcona Sound, approaches to Nanisivik	Scientific/International Polar Year Research	Marine	Site is a marine area, within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.	none	Within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.
Area within Hydrophone #3 will be placed. Kakiak Point area, important location for Arctic Bay	Scientific/International Polar Year Research	Marine	Site is a marine area, within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.	none	Within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.
Alternate location for an area within Hydrophone #3 will be placed.	Scientific/International Polar Year Research	Marine	Site is a marine area, within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.	none	Within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.
Area within Hydrophone	Scientific/International Polar Year Research	Marine	Site is a marine area,	none	Within the traditional use area

#4 will be placed. Admiralty Inlet, waters around Yeoman Island.			within the traditional use area of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.	of Arctic Bay. It is within Tallurutiup Imanga National Marine Conservation Area.
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Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Ikpiaryuk	Debbie Johnson, SAO	Hamlet of Arctic Bay	2020-07-14
Ikpiaryuk	Dorothy Oyukuluk, Manager	Ikajutit Hunters and Trappers Organization	2020-07-14

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

North Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavunmi Ihivriunniqmut Timiqutigiyanga	Licence to conduct research	Not Yet Applied		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	28 or 27 foot Aluminum boat with outboard motors, or similar	

Project accomodation types

Nunauyuq

Alaanut,

Ihuaqtivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Hydrophone Micro Aural	4	Diameter: 8 cm (3 in) - Length: 45 cm (18 in.) - Air weight: 6 lbs. - Water Weight: 2 lbs.	Collecting data (underwater noise recordings). Moored either with a surface buoy (vinyl fishing float 12 inch diameter or less and anchor, or a subsurface buoy and acoustic release.
Acoustic Release - Vemco Ascent	4	Diameter; 81mm (3 in) – Length: 465mm (18 in) – Air weight: 6 lbs. – water weight – 1.75 lbs.	Recovery of hydrophone if subsurface mooring is used.

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Gasoline	fuel	1	364	364	Liters	Fuel for boat. None cached. Fuel within boat's fuel tanks only.

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 Ayurhauingit:

Environmental Impacts will be minimal. Where a subsurface mooring will be used, for the hydrophones, an anchor consisting of local rock, a metal sleeve, stainless steel eyebolt, and the lug from the acoustic release, will be left on the ocean floor. It is expected to have no impact on wildlife, or navigation.

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

A 27-28 foot aluminum boat (or similar) powered by outboards will be used to deploy and recover the hydrophones. No overnight stays are anticipated

SECTION H2: Disposal At Sea

none.

SECTION I1: Municipal Development

Qanurittuq Ittunik Avatinga: Avatingalluanga

Typical Arctic Marine Environment

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Typical Arctic Marine flora and fauna

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Study area is within the community of Arctic Bay's traditional use area.

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikkliyuumiutinahuarutit

Impacts will be minimal. Where a subsurface mooring is used for the hydrophones an anchor, consisting of local rock, a metal sleeve, stainless steel eyebolt, and the lug from the acoustic release, will be left on the ocean floor. It should have no impact on local wildlife.

Tamatkiumayunik Ihuikgutivaktunik

n/a

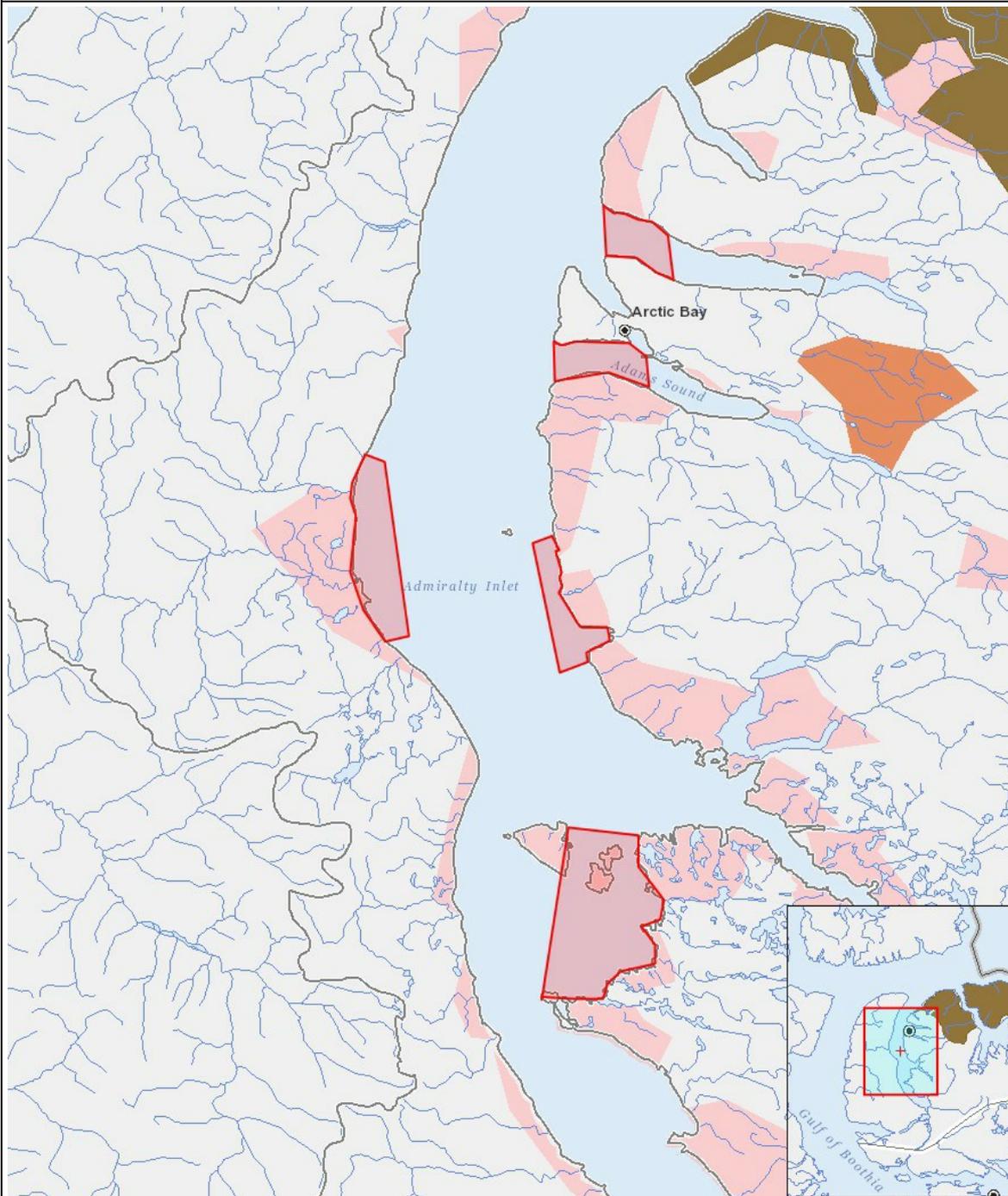
Impacts

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																									
Scientific/International Polar Year Research		P	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	P	-	-	-	-	-
Piiqtauniq																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

- 1 polygon Area within Hydrophone #1 will be placed. Adam's Sound, approaches to Arctic Bay
- 2 polygon Area within Hydrophone #2 will be placed. Strathcona Sound, approaches to Nanisivik
- 3 polygon Area within Hydrophone #3 will be placed. Kakiak Point area, important location for Arctic Bay
- 4 polygon Alternate location for an area within Hydrophone #3 will be placed.
- 5 polygon Area within Hydrophone #4 will be placed. Admiralty Inlet, waters around Yeoman Island.