



NIRB Uuktuutinga Ihivriughikhamut #125831

Admiralty Inlet and Milne Inlet narwhal tagging and drone work

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuutinga Ublua: 6/5/2023 2:04:50 PM

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

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

Havauhikhaq Ikayuqtinga: Marianne Marcoux
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Operations Phase: from 2023-07-15 to 2023-08-31

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
Camp Kakiak point	Camp	Inuit Owned Surface Lands	Important area for the harvest of narwhal by Arctic Bay Community members, and important area of narwhal habitat	None known	Approximately 65 km southwest of Arctic Bay
Potential Camp Bruce Head peninsula	Camp	Crown	Peninsula on the western shore of Milne Inlet overlooking Mary River's northern shipping route	None known	Approximately 115 km southwest of Pond Inlet
Eclipse Sound (potential camp at Bruce Head peninsula)	Researching	Marine	Established as Tallurutiup Imanga National Marine Conservation Area in 2019. Baffinland shipping operations in the area begun in 2015.	None known	Within the Tallurutiup Imanga National Marine Conservation Area. Adjacent to Sirmilik National Park and Bylot Island Migratory Bird Sanctuary.
Admiralty Inlet (camp at Kakiak point)	Researching	Marine	Established as Tallurutiup Imanga National Marine Conservation Area in 2019.	None known	Within the Tallurutiup Imanga National Marine Conservation Area.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Ikpiaryuk	Chris Mitchell	Arctic Bay Adventures	2023-05-08

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

North Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Iqalukhiurniqmut Tariuqmilu Kaanata	Authorization to Disturb a Marine Mammal	Active	2023-06-05	2023-08-31
Iqalukhiurniqmut Tariuqmilu Kaanata	Approval of animal use protocol	Active	2023-06-08	
Pulaarviit Kaanata	Research Permits are not required for the 2023 season in Tallurutiup Imanga National Marine Conservation Area.	Active		
Qikiqtani Inuit Katimayiit	Land Use License QL0 - 2308	Active	2023-07-01	2023-08-31
Hunters and Trappers Associations/Organizations	Support letter from the Ikajutit HTA (Arctic Bay)	Active	2023-04-04	
Hunters and Trappers Associations/Organizations	Support letter from the Mittimatalik HTO (Pond Inlet)	Applied, Decision Pending		
Iqalukhiurniqmut Tariuqmilu Kaanata	Licence to fish for scientific purpose (needed for tagging whales)	Applied, Decision Pending		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	Transport from Arctic Bay to Kakiak and from Pond Inlet to Bruce Head peninsula point by boat. Contract is being put in place with Arctic Bay Adventures. If work goes ahead in Pond Inlet, boat dimension / driver will be determined by the Mittimatalik HTO..	

Project accomodation types

Temporary Camp

Nunauyuq

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Personal tent	6	50 sq ft	Sleeping
Canvas tent	1	8'x10'	Office for data analysis
Canvas tent	1	10'x12'	Cooking/kitchen tent
Generator	1	max 3000W	Charge electronics
Big buddy propane heater	1	N/A	Heat source
Camping stove	1	N/A	Cooking
Kayak	2	N/A	Could be used for potentially tagging from
Drone	2	N/A	Will be flown by licensed pilots to collect information on narwhal diving behaviour and body condition.
Wildlife Computers Motes	2	34 x 39 x 19 cm + tripod	Temporary installations that will log telemetry data from satellite tags on animals within reception range. This will allow us to log a lot more data from tagged narwhals than if we only rely on satellites.
Boat	1	N/A	Transport from Arctic Bay to Kakiak point. Boat dimension / driver will be determined by Arctic Bay Adventures.

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Gasoline	fuel	2	205	410	Liters	Drums for boat and generator
Other	fuel	4	1	4	Gallons	White gas for camp stove
Propane	fuel	3	20	60	Lbs	Small tanks for cooking / heating

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0	Freshwater will be collected and stored in camp for daily drinking and cooking needs	Stream or river close to camp

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtitarnirutikhan piyutin
Camp	Qirnarivyaktuq imaq	1 m3	Greywater will be disposed in a sump hole at least 30 m away from the high water mark and sleeping areas.	N/A
Camp	Ikulalimanngittun iqqakuuvaluin	0.5 m3	All garbage will be packed out and properly disposed of in Arctic Bay	N/A
Camp	Anaagun (inuin anaaguin)	0.5 m3	Sewage will be buried in a sump hole at least 30 m away from the high water mark and sleeping areas	N/A

Avatiliriniqmut Ayurhautingit:

No adverse effects are expected based on this project. We will prevent potential fuel spills by storing all liquid fuels in a temporary berm located at least 30m above the high water mark. All liquid fuel transfer will be done within this berm using appropriate nozzles/funnels; and a spill kit will be readily available. Unused fuel and empty containers to be removed from site at the end of the program. The environmental impacts of the camp will be minimal. We will use the most durable surfaces when travelling, resting or re-filling water containers to avoid soil compaction/vegetation trampling. Biodegradable soap will be used (only when necessary) for dishwashing and bathing. The use of the motorboat and generator will be kept to a minimum to minimize noise and air pollution.

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

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Miscellaneous Project Information

1: Until recently, this project was to take place only at Admiralty Inlet (Arctic Bay). However, we were informed at the end of March that Baffinland was proposing to do very similar work in Eclipse Sound and that Pond Inlet's HTO would rather see DFO undertake the task. It is important for us to respond to community requests/concerns so we are trying to extend our work in Admiralty Inlet to Milne Inlet while trying to get official support from Mittimatalik HTO, but considering how little time we have left it's unsure if the project will go ahead. 2: The list of material includes 2 wildlife computers Motes, which are stationary, unattended ground-based listening stations that continually log telemetry data from satellite tags on animals within reception range. This would allow us to log a lot more data from tagged narwhals than if we only rely on satellites. Their installation will depend on local HTOs support. One Mote would be installed in Admiralty Inlet and the other one in Eclipse Sound (see project map). Engineering experts and local HTOs would be consulted for site-specific planning and installation, taking into account topography and making sure we do not impact any site of cultural importance. IOLs, National Parks and Protected Areas will be avoided. For more details about Wildlife Computers Motes, please visit <https://wildlifecomputers.com/our-tags/extras/wildlife-computers-mote/>

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

No adverse effects are expected based on this project. We will prevent potential fuel spills by storing all liquid fuels in a temporary berm located at least 30m above the high water mark. All liquid fuel transfer will be done within this berm using appropriate nozzles/funnels; and a spill kit will be readily available. Unused fuel and empty containers to be removed from site at the end of the program. We will avoid causing stress to narwhals by sitting and waiting for whales to swim by us instead of chasing/following them. Following requirements from the Ikajutit HTA, we will not use drones during narwhal hunts in the area. Tagging and behaviour data collection procedures have been reviewed and approved for 2023 by DFO's Freshwater Institute Animal Care Committee. These protocols include provisions to minimize short-term impacts narwhals, and long-term studies of several other marine mammal species have shown no long-term negative impacts of satellite tag deployment. The environmental impacts of the camp will be minimal. We will use the most durable surfaces when travelling, resting or re-filling water containers to avoid soil compaction/vegetation trampling. Biodegradable soap will be used (only when necessary) for dishwashing and bathing. The use of the motorboat and generator will be kept to a minimum to minimize noise and air pollution.

Tamatkiumayunik Ihuikgutivaktunik

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																										
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Aulapkaininnga																										
Camp		-	-	-	-	-	-	-	-	-	-	-	M		M	-	-	-	-	-		-	P	-	-	-
Piiqtauniq																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

- | | | |
|---|---------|--|
| 1 | polygon | Admiralty Inlet (camp at Kakiak point) |
| 2 | polygon | Eclipse Sound (potential camp at Bruce Head peninsula) |
| 3 | point | Camp Kakiak point |
| 4 | point | Potential Camp Bruce Head peninsula |