



NIRB Uuktuttinga Ihivriuqhikhamut #125497

DRDC - Replacement of Buoys for International Cooperative Engagement Program for Polar Research (ICE-PPR)

Uuktuttinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuttinga Ublua: 12/23/2019 12:49:53 PM

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

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

Havauhikhaq Ikayuqtinga: Sarah Rahmer
Defence Construction Canada
180 Kent St
Ottawa ON K1P 0B6
Canada
Hivayautit Nampanga:: 343-550-8984, Kayumiktukkut Nampanga::

QANURITTUT

Tukihiannaqtunik havaariyauyumayumik uqauhiuyun

Qablunaatitut: As part of the International Arctic Buoy Program (IABP), placement of buoys on the Arctic ice cap is among the activities. A variety of buoys are placed by the IABP via various means, in an effort to monitor environmental conditions (wind, temperature, pressure, salinity, etc., depending on the buoy and location) and to track the movement of ice. ICE-PPR coordinates the airlift resources of the US, Canada, and Denmark, to place buoys on the ice or in leads, which is far from land in most cases. There are no land-based or maritime-based operations being contemplated at this time to deliver buoys to their destinations. Buoys will only be delivered by air. A C-130 aircraft operating out of Resolute, as arranged by the RCAF or other air force through established military protocols, will be the primary air operation. Buoys will be dropped in the far north, north of Ellesmere Island. Should it be required, any remaining buoys which were not dropped by the C-130, may be dropped by CC-138 Twin Otter. At this point in time, buoys replacement activity is being only contemplated for only three ice tracker buoys intended to be placed on ice locations following this year's operation (Op NA-NU 20), in March of 2020.

Uiviititut: Not applicable

Inuinnaqtun: Not applicable

Personnel

Personnel on site: 0

Days on site: 0

Total Person days: 0

Operations Phase: from 2020-02-01 to 2025-06-30

Hulilukaarutit

Inigiyá	Hulilukaarut Qanurittuq	Nunanngá Qanurittaakhaanik	Initurlingá qanuritpa	Initurlingá utuqqarnítat unaluuniit Ingilraaqnítat Uyarannguqtut akhuurninnga	Qanitqiayuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
USIABP IT #2	Researching	Marine	nil	nil	Approximately 75km west of Quttinirpaaq National Park 645 km north of Grise Fiord.
USIABP IT #3	Researching	Marine	nil	nil	Approximately 75km west of Quttinirpaaq National Park 645 km north of Grise Fiord.
USIABP IT#1	Researching	Marine	nil	nil	Approximately 400 km west of Quttinirpaaq National Park 580 km north of Grise Fiord.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigyaungmata
Information is not available			

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Transboundary
North Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyayuq/Uuktuqtuq	Umikvikhaa Ublua
Information is not available				

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	C130 Aircraft	

Project accomodation types

Alaanut,

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Aircraft	1	C-130	In order to drop the buoys on the correct ice island/location
Buoyy	3	30 cm by 45 cm in size and less than 5 kgs in weight	to monitor environmental conditions (wind, temperature, pressure, salinity, etc, depending on the buoy and location) and to track the movement of ice.

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Information is not available						

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqtittagaani qanuq	Atulirumayain imavaluin utiqtittagani humi
0		

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyaayuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikan piyutin
Information is not available				

Avatiliriniqmut Ayurhautingit:

nil - there is no history of environmental impacts with previous buoy drop activities and none are predicted with the current proposed buoy drops.

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

sea-ice, uninhabited

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

nil

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

nil

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

nil

Tamatkiumayunik Ihuikgutivaktunik

nil

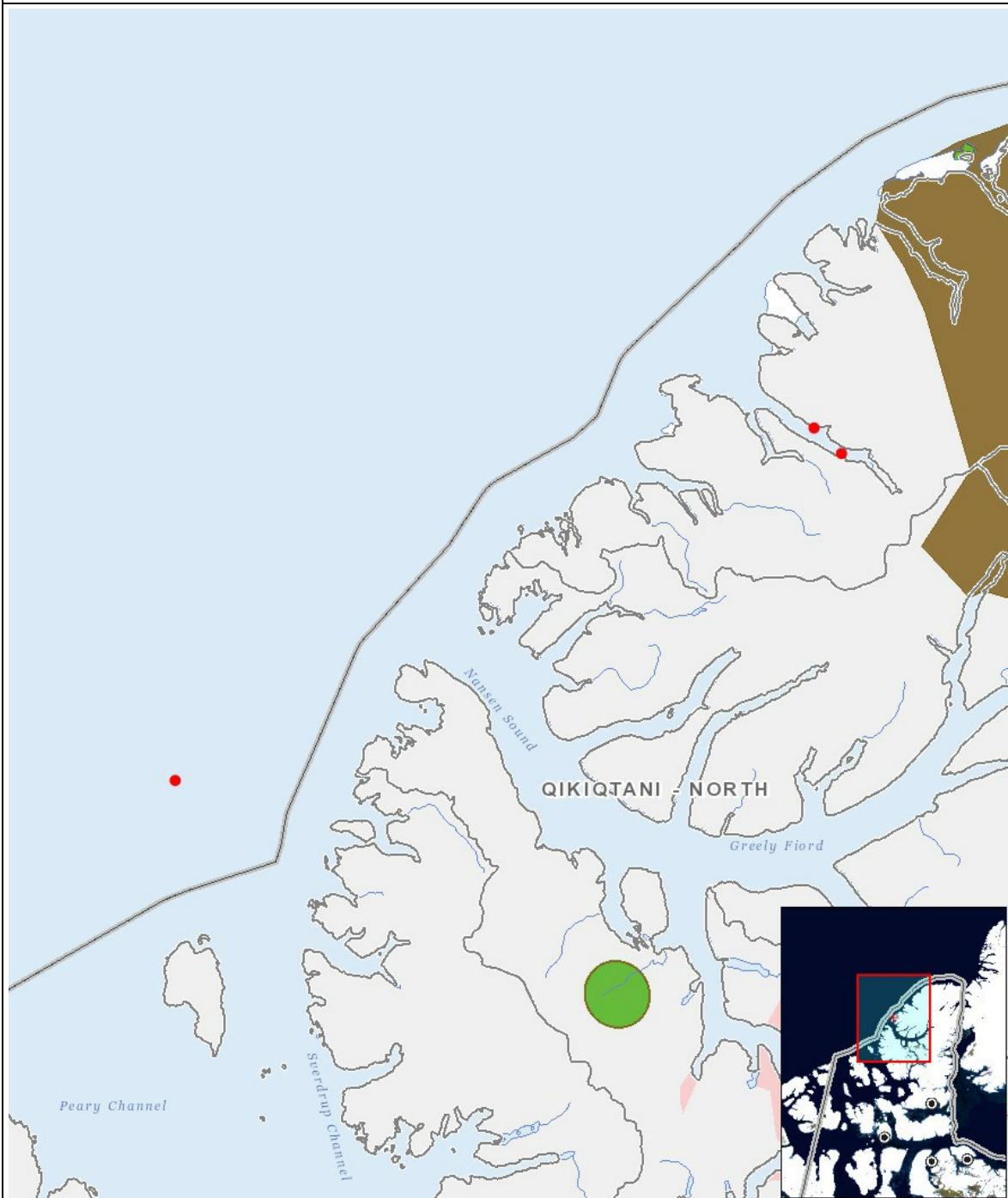
Impacts

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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piiqtauniq		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Havaariyaukhamut Nayugaa



List of Project Geometries

1	point	USIABP IT#1
2	point	USIABP IT #2
3	point	USIABP IT #3