



NIRB Uuktuutinga Ihivriughikhamut #125731

DRDC - Northern Watch Technology Demonstration Project (NWTD)

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuutinga Ublua: 7/19/2022 12:23:33 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

Tukihinnaqtunik havaariyayumayumik uqauhiuyun

Qablunaatitut: See attached project documents

Uiviititut: See attached project documents

Inuktitut: See attached project documents

Inuinnaqtun: See attached project documents

Personnel

Personnel on site: 7

Days on site: 4

Total Person days: 28

Operations Phase: from 2022-08-01 to 2022-09-30

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
DUSN node	Researching	Marine	N/A	N/A	Lancaster Sound/Baffin Bay
AAR1	Researching	Marine	N/A	N/A	Arctic Bay, NU
AAR2	Researching	Marine	N/A	N/A	Pond Inlet, NU
AAR3	Researching	Marine	N/A	N/A	Qikiqtaruaq, NU
GBY 100-km waypoint	Researching	Marine	N/A	N/A	Baffin Bay/Davis Strait
DUSN1	Researching	Marine	N/A	N/A	Pond Inlet, NU
DUSN2	Researching	Marine	N/A	N/A	Pond Inlet, NU

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Qikiqtarjuaq	QIA	QIA	2022-05-12

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Transboundary
North Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavut Imaligiyyit Katimayit	8WLC-NWT2223 – Approval for the Use of Waters and Deposit of Waste Without a Licence	Active	2022-07-15	2023-07-14
Nunavunmi Ihivriunqimut Timiqutigiyanga	Scientific Research Licence Application	Applied, Decision Pending		
Nunavut Tunngavik Inc	Request for information sent	Applied, Decision Pending		
Nunavut Kavamanga, Avatiliriyikkut	Request for information sent	Applied, Decision Pending		
Qikiqtani Inuit Katimayit	Request for information sent	Applied, Decision Pending		
Alaanut	Crown Indigenous Relations and Northern Affairs Canada (CIRNAC) Request for information sent	Applied, Decision Pending		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	Royal Canadian Navy (RCN): •Her Majesty's Canadian Ship (HMCS) HARRY DEWOLF (HDW) (Harry Dewolf Class) •HMCS MARGARET BROOKE (MAR) (Harry Dewolf Class) •HMCS GOOSE BAY (GBY) (Kingston Class)	

Project accomodation types

Temporary Camp

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Sea Robotics USV-2600 (USV i.e. Uncrewed Surface Vessel)	1	1000 lbs	Collection of high-frequency (450 kHz) sonar data to evaluate the performance characteristics of this sonar in the arctic ocean where the presence of freshwater layers affect the sound velocity profile.
RF Float	1	70 lbs	For DUSN communications
DUSN	1	450 lbs	To record information
AUV	1	22.75’’L x 3.89’’H x 1.14’’D	- IVER-3 (Klein UUV3500)- IxBlue C3 Inertial navigation system
CTD sensor	1	2.8’’L x 8.0’’H	- Conductivity / Temperature/ depth sensor
AIS TX	1	6.5’’ (W) × 4.3’’ (H) × 3.6’’ (D)	Portable automatic identification system transmitter
Slocum glider	1	1.79m L x 1.01m W x 0.49m H	Long range remote water observation
Acoustic recorders	3	74mm W x 101mm H x 28mm D	Biodiversity assessment
HMCS HDW (Navy ship)	1	105m X 19m	Transport
HMCS MAR (Navy Ship)	1	103m x 19m	Transport
HMCS GBY (Navy Ship)	1	55.3m x 11.3m	55.3m x 11.3m

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 utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0		

Iqqakuq

Ikkakunik Munakgiyauyunik

Havaulikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Information is not available				

Avatiliriniqmut Ayurhautingit:

There will be written navigational warnings (NAVWARNs) and notices to mariners (NOTMARs) serve to warn vessel operators about training activity timing and location. These notices contain important information about activities which should remain in effect for the duration of the exercise. However, it remains uncertain how effective these systems are in warning Indigenous communities and those who may be undertaking traditional activities. There are no expected permanent changes to the current condition or use of land (including coastal and marine area), air, water and resources. The exercises are temporary and will only take place for a few days at each location. There are no expected significant adverse effects on air, land or water due to Op NA-NK 2022 after proposed mitigation measures (in the additional information and project documents) are in place.

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

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Tamatkiumayunik Ihuikgutivaktunik

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

[illegible]

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	point	DUSN node
2	point	USV 2600 (North-West edge of box)
3	point	USV 2600 (South-East edge of box)
4	point	AAR1
5	point	AAR2
6	point	AAR3
7	point	DUSN1
8	point	DUSN2
9	point	GBY 100-km waypoint
10	point	BRS trial