



NIRB Uuktuutinga Ihivriughikhamut #125424

Drainage Improvements & Shore Protection - Pangnirtung, NU

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Alaanut

Uuktuutinga Ublua: 11/29/2018 10:06:10 AM

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

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

Havauhikhaq Ikayuqtinga: Eleanor McEwan
Fisheries and Oceans Canada -Small Craft Harbours
501 University Crescent
Winnipeg Manitoba R3T 2N6
Canada
Hivayautit Nampanga:: 204-984-1102, Kayumiktukkut Nampanga::

tuuqhuat qaagaruuktut nutaanik uyaralianik iliurailutik 3. Ahiaguuqtilugu qaagalu hiuraliaqtiqlugu atuqtuq qayaqaqvikmut apqutauyuq quuliqlu apqutauyuq nutaanik uyaralianik 4. Ahivaqlugit utuqait tuuqhuat kuukviuyut, uyaralianik ihuaqhaqlugu akhalutiqaqvik nutaanik uyaralianik, iliurailutiklu uyaqanik hinaani munariyaagani hivunihami nunap hituaqpalianiganik 5. Iliurailutik uyaqanik nunat hiariipkutikhaini nutaami kuukviuyuni atiqnigini aulaniqariagani ihuaqtumik upingaami 2. Immagiipkut llagiaqlugu: a. Itiqtiriavik ikirahak qayaqaqvikmut immakpaliagitaagani, Mikiyunik Qainanik Qayaqaqviit piyumayut imaa: 1. Hanalutik uyaqanik immagiipkutikhat ilauriagani qayaqaqviup itiqtiriavianit immaiyaqniganut taaqyuup 3. Maliiqrumiuvik Nutaaguqtiqniganik: a. Atuqtuq qayaqaqvik nakuuyumik aulaniqatiariagani qanurinigalu, Mikiyunik Qainanik Qayaqaqviit piyumayut imaa: 1. Iliurailutik aulajalaitunik uyaqanik atuqtumi maliilrumiuvik ukunani piyariaqaqtuni 2. Iliurailutik ilagiarutikhanik uyaralianik tuunmiqani humiliqaa piyariaqaqtuni 3. Iliurailutik uyaqanik hinaa munariyaayaagani nunalu hituagitaagani iluani qayaqaqviup

Personnel

Personnel on site: 4

Days on site: 60

Total Person days: 240

Operations Phase: from 2019-06-23 to 2019-10-28

Operations Phase: from 2019-06-23 to 2019-10-23

Post-Closure Phase: from to

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunangga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannuqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaiiyainnit nuna
New project geometry	Harbour infrastructure	Crown	Pangnirtung Harbour is the first Small Craft Harbour in Nunavut. Project includes addition of a rock berm to prevent in-filling of navigation channel. Rock sourced from existing local Hamlet borrow pit.	n/s	The harbour is located in the community of Pangnirtung.
New project geometry	Harbour infrastructure	Crown	Pangnirtung Harbour is the first Small Craft Harbour in Nunavut. Project includes addition of rock shore protection and armour stone to existing infrastructure. Rock sourced from existing local Hamlet borrow pit.	n/a	The harbour is located in the community of Pangnirtung.
New project geometry	Access Road	Crown	Pangnirtung Harbour is the first Small Craft Harbour in Nunavut. Project includes the realignment of an existing drainage ditch and access road to the harbour. Culverts and geotextile material will be shipped to community for the project.	n/a	The harbour is located in the community of Pangnirtung.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Pangnirtuuq	Eric Lawlor - Economic Development Officer	Hamlet of Pangnirtung	2018-11-26

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

South Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Iqalukhiurniqmut Tariuqmilu Kaanata	FPP Request for Review regarding the addition of the rock berm	Applied, Decision Pending		
Tingmiliqiyiitkut Kaanatami	Navigation Protection Program Notice of Works submitted to TC for review of the Rock Berm Addition	Applied, Decision Pending		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	It is assumed that the personnel and possibly some materials will arrive in Pang by commercial flights.	
Water	It is assumed that the successful contractor will transport materials for the project (culverts, geotextile, and possibly a new rock crusher) to the site by sealift.	
Land	The crew will drive or walk to the harbour site in Pang from their local lodgings. The rock will also be transported from the local borrow pit to site overland by rock truck.	

Project accomodation types

Nunauyuq

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
CAT 345 Excavator	2	4.4m x 3.5m	Excavator used to excavate new ditch alignment, place rock
Rock Trucks	2	4.4m x	haul rock from rock pit to jobsite, deposit spoil material in designated location. already located in Hamlet

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

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Access Road	Atakuin (halumaiqtun nunan, iqqakuuvaluillu uyaqqiqivingmin)	380	land disposal at designated location approved by Hamlet - material to be disposed is local material excavated for the new ditch alignment	n/a

Avatiliriniqmut Ayurhauingit:

Predicted environmental impacts: 1. Access road and drainage ditch realignment: -loss of existing vegetation in existing drainage ditch - excess excavated material to be deposited in a spoil location approved by the Hamlet of Pangnirtung. Other than an approximately 380 cubic meter volume of local material deposited in the designated area, there are no foreseen impacts of the spoil pile 2. Harbour Infrastructure: a. New Rock Berm in tidal flat area -the proposed new rock berm will provide increased interstitial habitat spaces for fish at higher tides, as well as provide additional foraging areas for fish by providing surface area for algae growth and interstitial spaces for invertebrates - the proposed berm will reduce the sediment infilling of the entrance channel to the harbour -the proposed rock berm will be constructed at low tide, allowing access to the site across the tidal flats, thereby eliminating in-water work b. Additional Shore Protection and Armour Stone -the proposed work is to be done at low tide to eliminate in-water work. - the work is topping-up rock in existing area - no negative impacts foreseen

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

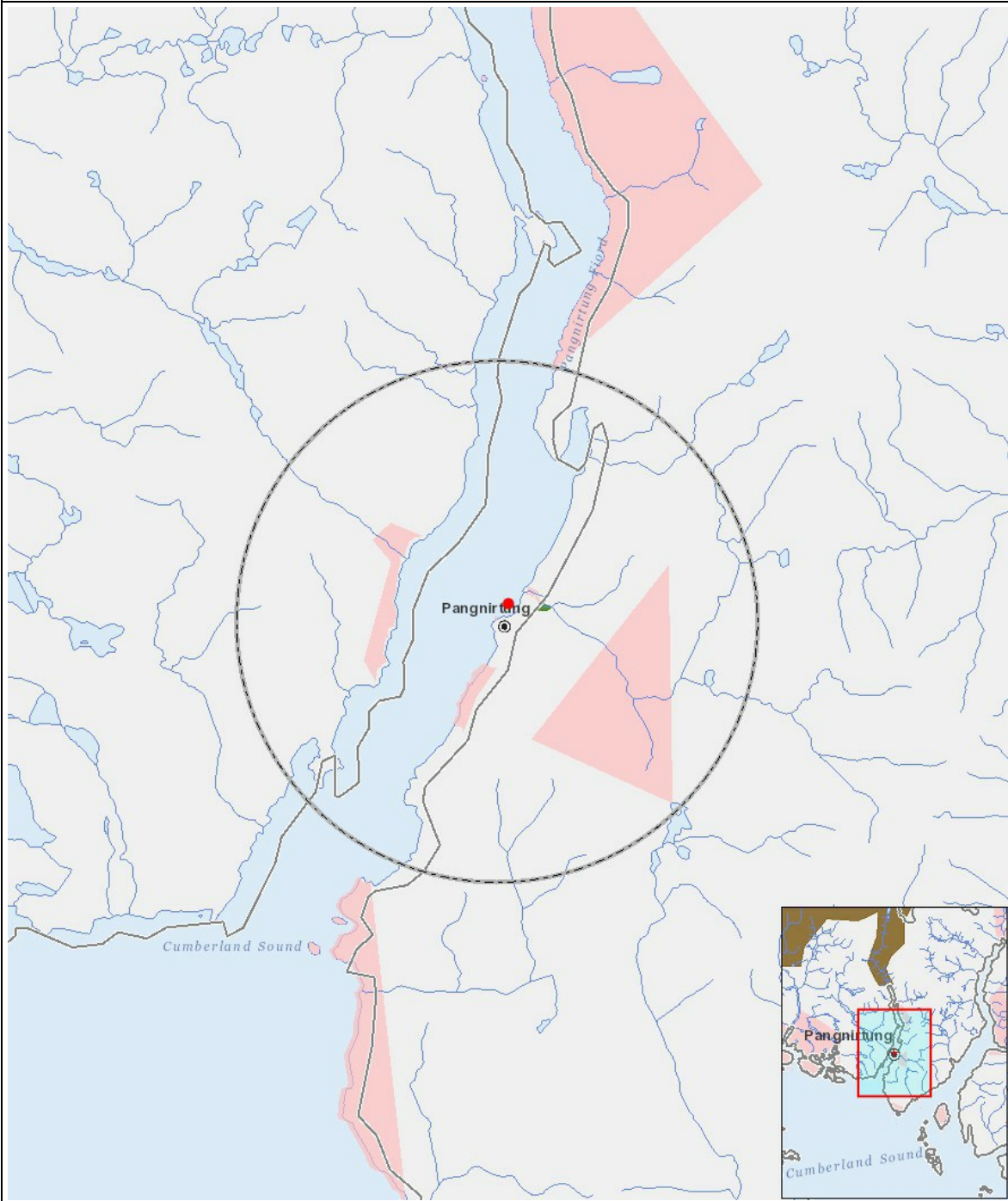
Impacts

Ilitariyauniq Avatiliriniqmut 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																									
Harbour infrastructure	-	-	-	-	-	-	-	-	-	-	P	-	M	-	-	-	-	-	-	P	-	-	-	-	-
Access Road	-	-	-	-	-	-	-	-	-	-	-	-	M	M	-	-	-	-	-	P	-	-	-	-	-
Aulapkaininnga																									
Harbour infrastructure	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	-	P	-	P	-	-	-	-	-
Access Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-
Piiqtauniq																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	point	New project geometry
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