



NIRB Application for Screening #125720

Far North Fiber Marine Route Survey

Application Type: New

Project Type: Marine Based Activities

Application Date: 6/24/2022 5:42:12 PM

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

Proposed Authorization: from 0001-01-01 to 0001-01-01

Project Proponent: Ik Icard
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[illegible]

Inuinnaqtun: Far North Digital LLC pivalliaqitqut Ungahiktumi Tununnganaq Ivalutut ittut alrujaq havaaq. Hivulliqpaanguuvluni tarjurm iluaniittut umiaqtut qiplariktut ivalutut ittut alrujaq innanganiaqhimaquq uvani Ukiuqtaqtuq Tarjunga unalu Tununngani Uataanit Ikaaruhig katilviuquq Asia unalu Tununnganaq Europemi. Una 14,000 kilamiitastigut ungahingnia uvuuna Kanatamiunut imat itiliqtaa hamna Queen Elizabeth Qikiqtangit uvanngat uataanit uvuuna McClure Ikaangit, Ikaa, pilihaaquhuni uvuuna Viscount Melville Kangiqhua, Barrow Ikaa unlu Lancaster Kangiqhua, ikaaquhuni iluanut Qikiqtaaluk unalu hivuraanit uvuuna Davis Strait iluanut Tununnganaq Atlantic Tarjua. Una alrujaq ilaginiaqtangit amihuujut qupikhimajangit ilagijaujut tunijakhaat hivunikhangit qupikhimajut parnaijijakhaat minnahuaangat najugaanut iluani Kanatam Ukiuqtaqtuq Qikiqtalinnuit. Una tukhiutijangit hanajauhimajut haffumani, unalu iniqhimaittut, hulidjuhiit ilagijaujut imarmiutaujut iningit nalunaijijut hivunikhangit tuhagakhaajut tulagvik. Una tukhiutijangit pulahimajangit umiaqtuqtunut agjaqtut imarmiuttat nalunaijainigut hulijakhangit ihumaliuqtakhaat ajurnaattumik apqutikhangit hivunikhanut iliuraimajangit haffumani Ungahiktumi Tununnganaq Ivalutut ittut alrujaq. Una havaaq ilagijaujut iliurainirnut haffumani alrujaq ihumaginiaqtangit hivunikhangit, ahikkut laisiata ilanganit tukhiutijakhaat. Takiniqhaujungaquhijut haffumani alrujaq uvuuna Kanatam nunallaangit tarjuat hamnauvlutik 1,360 kilamiitastigut ungahingnia. Haffumani, 900 kilamiitastigut ungahingniqarungaquhijut ikaqtut Nunavut imainnit. Una nalunaijijut tulagvik takiniqhaa 500 miitas hilingnia haniraanit takiniqhaa ikaarninga. Una Imarmiuttaq Nalunaijainigut iniqhimajakhaat hinaanit alrujangit ikaarninga pidjarikhigiami alrujaqarvik iliuraqhimaquq aqittumi tarjum natia, pittailivlugit pijumanngittangit ihuuluutauhimajut qajangnaqtumik inuuhimajut imarmiuttat avataita tutqirnaqtumik hup ilitquhianit ajuqhautihimalaaqtangit hivuranarningat tiliugarnit inuuhianit haffumani alrujaqarvik. Una nunaliqiningit unalu nuna qaujiharningit qimilruqtaat haffumani inikhangit aulapkaihimajut tukiliuqhimaquq haffumani tarjuq tukung natia tulagvinga hamna alrujaq nalahimajut. Una nalunaijainigut ilagilaqtangit lluvirvingat Ihivriurningit Nalunaijainiq (BAS) ilagijaat Takkaq Imarmi Uuktuutigijangit Ihivriurjut (CPT) unalu uuktuutigijangit kangiqhiinnaqtangit marlunga tukiliutaa, ilagijangillu hitingnia hakugingningalu. Una aulavikhaq haffumani hulidjuhiit ikajuutigijangit aulavikhaq haffumani arlingnaqtumik alrujaq illitturninga taimaa ihuaqhinnaqtuq ilitquhianit haffumani tarjum natia aturaaqtakhaanit hakugiangnia haffumani alrujaq. Havaaq ikaarningit pitquhirijaat atuinnaqhugit nalunaijainigut hulidjuhiit tamainnut alrujaq ikaarningat uvanngat Japan uvunga Europe naahimalugu marluk avvautingillu ukiungat, atulaaqtangit hailijakhangit hilaqutitigut, 2022-2024. Nalunaijainiq aulattittijut aulapkilaqtut uvani 24 nit ikaarnigut kigligutaanit, hilaq tarjungillu qanurilinganingit pivluni, unalu nalunaijijut umiaq takukhauhunnguquq iliktirutaanit qullingillu uqaqhimaquq uvani Hilarjuatigut Maliktangit haffumani Ahijuqtailinahuarniq Tarjumi (COLREGS) Maliktangit 27, naunaiqhiilugillu nalunaijainiq umiaq iniqpiaqhimaquq pilaaqhutik hanaqigiami. Naalakhimajut tautukhutik munarijauluni qautamaat uvani VHF Qunniarnaqtuq 16, unalu umiaq turaaqhimainnarniaqtangit hamna AIS naunaitkut. Aulapkaqhutik haffumani nalunaijainigut iningit qunniattaqtakhaat akunnganit uvani Qunniarnaqtuq 16 mi nalaumajumik havangnaqtut qunniarnaqtut tukiliuqhimaquq Nalunaitkut uvunga Imarmiutaujut.

Personnel on site: 50

Days on site: 28

Total Person days: 1400

Operations Phase: from 2022-07-16 to 2024-10-15

Operations Phase: from 2022-07-16 to 2024-10-15

Post-Closure Phase: from to

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
waters of Northwest Passage	Marine Based Activities	Marine	Marine waters comprising part of Northern Canada's Northwest Passage between Beaufort Sea and Baffin Bay.	Traditional subsistence hunting and fishing waters of Canada Indigenous Peoples. Human occupation and use of the Tallurutiup Imanga region can be traced back to the Dorset (500 BC–1500 AD) and Thule (about 1000 AD until approximately 1500 AD) cultures that preceded the Inuit who live in the area today.	Cable route passes through portion of Tallurutiup Imanga National Marine Conservation Area.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

Authorizations

Indicate the areas in which the project is located:

Transboundary
Kitikmeot
North Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Transport Canada	Authorizing foreign ship or non-duty paid ship to conduct commercial activity in Canadian waters, including cable-laying operations	Not Yet Applied		
Fisheries and Oceans Canada	Project components below the high water level	Not Yet Applied		
Environment and Climate Change Canada	Project components in Migratory Bird Sanctuaries	Not Yet Applied		
Government of Nunavut, Department of Environment	Project components on land or water that infringes on the habitat of Arctic species	Not Yet Applied		
Parks Canada	Project components on land in an NMCA	Not Yet Applied		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Water		

Project accomodation types

Other,

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
marine survey vessel	1	approx. 75m	geophysical and geotechnical cable route survey

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	6	60	360	Cubic Meters	vessel main engine propulsion, shipboard generators

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Marine Based Activities	Greywater	5650 litres/day	Survey vessel voluntary compliance with standards of IMO MARPOL Annex IV as with blackwater.	n/a
Marine Based Activities	Non-Combustible wastes	unknown	Vessel must comply with IMO Polar Code which prohibits the discharge of garbage in Arctic waters unless food waste is ground or comminuted and the ship is not less than 12 NM from nearest land, nearest ice-shelf, or nearest fast ice, and is as far as practicable from ice concentration greater than 10%. Cargo residues may be discharged only under specifically listed conditions including: •cargo residues, cleaning agents or additives contained in hold wash water must not contain substances classified by IMO as harmful to the environment; •the port of departure and next port of destination are within Arctic waters and the vessel will not transit outside Arctic waters; •no adequate reception facility exists at those ports; and, if those conditions are met; •the discharge must be made as far as practicable from areas of ice concentration exceeding 1/10 and not less than 12 NM from land, nearest ice shelf, or nearest fast ice.	Vessel required to hold oily waste and garbage (aside from ground food) in Polar Code waters until the vessel can safely offload the waste at a port reception facility or treat it to an acceptable standard.
Marine Based Activities	Sewage (human waste)	1700 l/day	Survey vessel must comply with the IMO's MARPOL Annex IV which prohibits discharge, except when treated by	n/a

			an STP and discharged no less than 4nm from land or if untreated and discharged at > 12nm from the nearest land.	
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Environmental Impacts:

Survey vessel main engine and generator exhaust stack emissions to atmosphere. All engines to be maintained in good working order.

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

Description of Existing Environment: Physical Environment

Canadian waters entering the Queen Elizabeth Islands from the west through McClure Strait, through Viscount Melville Sound, Barrow Strait and Lancaster Sound, then exiting into Baffin Bay

Description of Existing Environment: Biological Environment

The Tallurutiup Imanga region is a major east-west migratory corridor leading from Baffin Bay into the Arctic Archipelago and linking wintering and summering areas. Most species present are migratory and they all depend on this region as they move from one essential habitat to another. The area provides essential habitat for narwhal (up to 75% of the global population); beluga (20% of the Canadian population); polar bears (largest subpopulation in Canada); and several seabird species (some of the largest colonies in the Canadian Arctic).

Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

Impacts

Identification of Environmental Impacts

		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
Construction																										
Marine Based Activities		M	-	-	-	M	-	-	-	-	-	-	-	M		-	-	M	M	M		-	P	-	-	-
Operation																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Decommissioning																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	polyline	waters of Northwest Passage
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