



## **NIRB Uuktuutinga Ihivriughikhamut #125720**

### **Far North Fiber Marine Route Survey**

**Uuktuutinga Qanurittuq:** New

**Havaap Qanurittunia:** Marine Based Activities

**Uuktuutinga Ublua:** 6/24/2022 5:42:12 PM

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

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

**Havauhikhaq Ikayuqtinga:** Ik Icard  
Far North Digital  
200 W 34th Avenue, #424  
Anchorage AK 99503  
United States  
Hivayautit Nampanga:: 3609811704, Kayumiktukkut Nampanga::

**Tukihiannaqtunik havaariya uyumayumik uqauhiyun**

Uiviititut: tbd

[illegible]

Inuinnaqtun: Far North Digital LLC pivallialiqitut Ungahiktumi Tununnganaq Ivalutut ittut alrujaq havaaq. Hivulliqpaanguuvluni tarjurm iluaniittut umiaqtut qiplariktut ivalutut ittut alrujaq innanganiaqhimaquq uvani Ukiuqtaqtuq Tarjunga unalu Tununngani Uataanit Ikaaruiq katilviujuq Asia unalu Tununnganaq Europemi. Una 14,000 kilamiitastigut ungahingnia uvuuna Kanatamiunut imat itiliqtaa hamna Queen Elizabeth Qikiqtangit uvanngat uataanit uvuuna McClure Ikaangit, Ikaa, pilihaaqhuni uvuuna Viscount Melville Kangiqhua, Barrow Ikaa unlu Lancaster Kangiqhua, ikaaqhuni iluanut Qikiqtaaluk unalu hivuraanit uvuuna Davis Strait iluanut Tununnganaq Atlantic Tarjua. Una alrujaq ilaginiaqtangit amihuujut qupikhimajangit ilagijaujut tunijakhaat hivunikhangit qupikhimajut parnaijajakhaat minnahuaangat najugaanut iluani Kanatam Ukiuqtaqtuq Qikiqtalinnuit. Una tukhiutijangit hanajauhimajut haffumani, unalu iniqhimaittut, hulidjuhiit ilagijaujut imarmiutaujut iningit nalunaijajut hivunikhangit tuhagakhaajut tulagvik. Una tukhiutijangit pulahimajangit umiaqtuqtunut agjaqtut imarmiuttat nalunaijainigut hulijakhangit ihumaliuqtakhaat ajurnaattumik apqutikhangit hivunikhanut iluirahimajangit haffumani Ungahiktumi Tununnganaq Ivalutut ittut alrujaq. Una havaaq ilagijaujut iliurainirnut haffumani alrujaq ihumaginiaqtangit hivunikhangit, ahikkut laisiata ilanganit tukhiutijakhaat. Takiniqhaujungaqhijuuq haffumani alrujaq uvuuna Kanatam nunallaangit tarjuat hamnauvlutik 1,360 kilamiitastigut ungahingnia. Haffumani, 900 kilamiitastigut ungahingniqarungnaqhijuuq ikaqtut Nunavut imainnit. Una nalunaijajut 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 hivuuranarningat tiliugarnit inuuhianit haffumani alrujaqarvik. Una nunaliqiningit unalu nuna qaujiharningit qimilruqtaat haffumani inikhangit aulapkaihimajut tukiliuqhimaquq haffumani tarjuq tukinga natia tulagvinga hamna alrujaq nahimajuq. Una nalunaijainigut ilagilaaqtangit lluvirvingat lhivriurningit Nalunaijainiq (BAS) ilagijaat Takkaq Imarmi Uuktuutigijangit lhivriurjut (CPT) unalu uuktuutigijangit kangiqhiinnaqtangit marlunga tukiliutaa, ilagijangillu hitingnia hakugingningalu. Una aulavikhaq haffumani hulidjuhiit ikajuutigijangit aulavikhaq haffumani arlingnaqtumik alrujaq ilitturninga taimaa ihuaqhinnaqtuq ilitquhianit haffumani tarjum natia aturaaqtakhaanit hakugiangnia haffumani alrujaq. Havaaq ikaarningit pitquhiriiaat atuinnaqhugit nalunaijainigut hulidjuhiit tamainnut alrujaq ikaarningat uvanngat Japan uvunga Europe naahimalugu marluk avvautingillu ukiungat, atulaaqtangit hailijakhangit hila hikungalu qanurinningit akhuuqtangit Ukiuqtaqtuq naahimalugu pingahut aujaq hilaqutitigut, 2022-2024. Nalunaijainiq aulattittijut aulapkailaaqtut uvani 24 nit ikaarnigut kigligutaanit, hila tarjungillu qanurilinganingit pivluni, unalu nalunaijajuuq 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 qunniqaattaqtakhaat akunnganit uvani Qunniarnaqtuq 16 mi nalaumajumik havangnaqtut qunniarnaqtut tukiliuqhimaquq Nalunaitkut at uvunga Imarmiutaujut.

**Personnel**

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

## Hulilukaarutit

| Inigiya                     | Hulilukaarut Qanurittuq | Nunannga Qanurittaakhaanik | Initurlinga qanuritpa   | Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga   | Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna                     |
|-----------------------------|-------------------------|----------------------------|---|---|---|
| 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. |

### Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

| Nunauyuq                     | Atia | Timiuyuq | Upluani Uqaqatigiyaungmata |
|------------------------------|------|----------|----------------------------|
| Information is not available |      |          |                            |

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Transboundary  
Kitikmeot  
North Baffin

## Angiuttauvaktunik

| Munariniqmut<br>Ayuittiaqtuq                | Angirutinga<br>Qanurittuq   | Tadja<br>Qanurittaakhaanik | Ublua<br>Tuniyauyuq/Uuktuqtuq | Umikvikhaa Ublua |
|---|---|----------------------------|-------------------------------|------------------|
| Tingmiliqiyiitkut<br>Kaanatami              | Authorizing foreign<br>ship or non-duty paid<br>ship to conduct<br>commercial activity<br>in Canadian waters,<br>including cable-laying<br>operations | Not Yet Applied            |                               |                  |
| Iqalukhiurniqmut<br>Tariuqmilu Kaanata      | Project components<br>below the high water<br>level   | Not Yet Applied            |                               |                  |
| Environment and<br>Climate Change<br>Canada | Project components<br>in Migratory Bird<br>Sanctuaries  | Not Yet Applied            |                               |                  |
| Nunavut Kavamanga,<br>Avatiliriyikkut       | Project components<br>on land or water that<br>infringes on the<br>habitat of Arctic<br>species   | Not Yet Applied            |                               |                  |
| Pulaarviit Kaanata                          | Project components<br>on land in an NMCA  | Not Yet Applied            |                               |                  |

## Project transportation types

| Transportation<br>Type | Qanuq Atuqtauniarmangaa | Length of Use |
|------------------------|-------------------------|---------------|
| Water                  |                         |               |

## Project accomodation types

Alaanut,

# Ihuaqutivaluin Atuqtauyukhan

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

| Hanalrutit Qanurittuq | Qaffiuyut | Aktikkulaanga – Qanurittullu | Qanuq Atuqtauniarmangaa                         |
|-----------------------|-----------|------------------------------|---|
| marine survey vessel  | 1         | approx. 75m                  | geophysical and geotechnical cable route survey |

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

| Qanurittuq urhuqyuaq hunavaluit aturninnga: | Urhuqyuaq Qanurittuq | Qaffiuyut qattaryut | Qattaryuk Aktikkulaanga | Atauttimut Qaffiuyut | Ilanga       | Qanuq Atuqtauniarmangaa                             |
|---|----------------------|---------------------|-------------------------|----------------------|--------------|---|
| Diesel                                      | fuel                 | 6                   | 60                      | 360                  | Cubic Meters | vessel main engine propulsion, shipboard generators |

## Imaqmik Aturninnga

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

# Iqqakuq

## Ikkakunik Munakgiyauyunik

| Havauhikhaq<br>Hulilukaarut | Qanurittuq Iqqakut                 | Ihumagiyauyuq<br>Qanuraaluktut<br>Atuqtait | Qanuq<br>Iqqakuurniarmangaa  | Halummaqtirarnirutikhan<br>piyutin  |
|-----------------------------|------------------------------------|--|--|---|
| Marine Based<br>Activities  | Qirnarivyaktuq imaq                | 5650 litres/day                            | Survey vessel<br>voluntary compliance<br>with standards of IMO<br>MARPOL Annex IV<br>as with blackwater.   | n/a   |
| Marine Based<br>Activities  | Ikulalimanngittun<br>iqqakuuvaluin | unknown                                    | Vessel must comply<br>with IMO Polar Code<br>which prohibits the<br>discharge of garbage<br>in Arctic waters unless<br>food waste is ground<br>or comminuted and<br>the ship is not less<br>than 12 NM from<br>nearest land, nearest<br>ice-shelf, or nearest<br>fast ice, and is as far<br>as practicable from ice<br>concentration greater<br>than 10%. Cargo<br>residues may be<br>discharged only under<br>specifically listed<br>conditions including:<br>•cargo residues,<br>cleaning agents or<br>additives contained in<br>hold wash water must<br>not contain substances<br>classified by IMO as<br>harmful to the<br>environment; •the port<br>of departure and next<br>port of destination are<br>within Arctic waters<br>and the vessel will not<br>transit outside Arctic<br>waters; •no adequate<br>reception facility<br>exists at those ports;<br>and, if those<br>conditions are<br>met;•the discharge<br>must be made as far as<br>practicable from areas<br>of ice concentration<br>exceeding 1/10 and<br>not less than 12 NM<br>from land, nearest ice<br>shelf, or nearest fast<br>ice. | Vessel required to hold oily<br>waste and garbage (aside<br>from ground food) in Polar<br>Code waters until the<br>vessel can safely offload the<br>waste at a port reception<br>facility or treat it to<br>an acceptable standard. |
| Marine Based<br>Activities  | Anaagun (inuin<br>anaaguin)        | 1700 l/day                                 | Survey vessel must<br>comply with the<br>IMO's MARPOL<br>Annex IV which<br>prohibits discharge,  | n/a   |

|  |  |   |  |
|--|--|---|--|
|  |  | except when treated by an STP and discharged no less than 4nm from land or if untreated and discharged at > 12nm from the nearest land. |  |
|--|--|---|--|

**Avatiliriniqmut Ayurhaulingit:**

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**

### **Qanurittuq Ittunik Avatinga: Avatingalluanga**

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

### **Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

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).

### **Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga**

## **Miscellaneous Project Information**

## **Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

## **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              |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |
| Marine Based Activities |   | M | - | - | - | M | - | - | - | - | - | M |  | - | - | M | M | M |  | - | P | - | - | - |  |
| Aulapkaininnga          |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |
| -                       |   | - | - | - | - | - | - | - | - | - | - | - |  | - | - | - | - | - |  | - | - | - | - | - |  |
| Piiqtauniq              |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |
| -                       |   | - | - | - | - | - | - | - | - | - | - | - |  | - | - | - | - | - |  | - | - | - | - | - |  |

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



List of Project Geometries

|   |          |                             |
|---|----------|-----------------------------|
| 1 | polyline | waters of Northwest Passage |
|---|----------|-----------------------------|