

$\gamma_b \Delta^c \dot{\gamma} \Pi \sigma^b \quad \Lambda_{\text{C}} \sim \Delta^{\gamma_b} \gamma \sigma \Delta \sim \Delta^{\alpha_L} L^{\alpha} \sigma^b$

٩٦٤٥٨٧٤: Far North Digital LLC is developing the Far North Fiber cable project. It is the first submarine fiber optic cable to be laid through the Arctic Ocean and the Northwest Passage connecting Asia and Northern Europe. The 14,000km route extends through Canadian waters entering the Queen Elizabeth Islands from the west through McClure Strait, proceeding through Viscount Melville Sound, Barrow Strait and Lancaster Sound, then exiting into Baffin Bay and south through Davis Strait into the North Atlantic Ocean. The cable will incorporate a number of branching units which will provide for future branches to strategic landing sites in Canada's Arctic Archipelago. This application is made for, and limited to, activities involved in the marine route survey for the future communications corridor. The application covers shipboard marine survey activities that will determine a suitable route for the future installation of the Far North Fiber cable. The work associated with installation of the cable will be the subject of a future, separate permit application. The approximate route length of the cable through Canada's territorial seas is 1,360 kilometers. Of that, roughly 900 km traverses Nunavut waters. The survey corridor will be 500 meters wide along the length of the route. The Marine Survey will be performed along the cable route to ensure that the cable system is installed on the most benign seabed, avoiding any adverse impacts on sensitive living marine resources and clear of any features which could pose a threat to the design life of the cable system. The geophysical and geotechnical investigation of the route establishes a detailed profile of the seabed corridor where the cable is to be laid. The survey will include a Burial Assessment Survey (BAS) which consists of Cone Penetrometer Testing (CPT) and measurements to predict the soil type, its relative density and shear strength. The output of this activity enables production of a unique cable profile which is specifically adapted to the nature of the seabed to ensure long-term durability of the cable. Project timeline makes conservative allowance for survey activities over the entire cable route from Japan to Europe for up to two and a half years, affording opportunity for weather and ice dependent effort in the Arctic for up to three summer seasons, 2022-2024. Survey operations will be conducted on a 24-hour basis, weather and sea conditions permitting, and the survey vessel will display the shapes and lights prescribed in the International Rules for the Prevention of Collisions at Sea (COLREGS) Rule 27, to indicate that the survey vessel is restricted in its ability to maneuver. A listening watch will be maintained at all times on VHF Channel 16, and the vessel will actively transmit an AIS signal. Coordinates of the survey area will be broadcast at regular intervals on Channel 16 and appropriate working channels as prescribed Notices to Mariners.

▷ΔΛΠΣ^C: tbd

[illegible]

[illegible]

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 nalunaijaijuq umiaq takukhauhunngujuq iliktirutaanit qullingillu uqaqhimajuq uvani Hilarjuatigut Maliktangit haffumani Ahijuqtailinahuarniq Tarjumi (COLREGS) Maliktangit 27, naunaiqhiilugillu nalunaijainiq umiaq iniqpiaqhimajuq 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 tukiliuqhimajut Nalunaitkut uvunga Imarmiutaujut.

Personnel

Personnel on site: 50

Days on site: 28

Total Person days: 1400

Operations Phase: from 2022-07-17 to 2024-10-16

Operations Phase: from 2022-07-17 to 2024-10-16

Post-Closure Phase: from to

$$\Lambda \subset \mathbb{N} \triangleleft \mathbb{N} \xrightarrow{\gamma} \mathbb{D} \sigma \triangleleft \mathbb{Q}^b \supset \mathbb{C}$$

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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.

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မေ့ဇာတ်	၁၈	၁၈	၁၈
Information is not available			

[illegible]

$a^{\dagger}r^{\dagger}q^{\dagger}\sigma^{\dagger} \Lambda_{\sigma} r q \Delta \sigma q^{\dagger} \tau^{\dagger}$ በበፍጋሮ:

Transboundary

Kitikmeot

North Baffin

[illegible]

<p> ሲረገጥ ድጋፍ ለጸሐፊው የሚሰጠው ለጥያቄው መሠረት ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን </p>	<p> የጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን </p>	<p> ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን </p>	<p> ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን </p>	<p> ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን ለጥያቄው መሠረት ሲሆን </p>
Information is not available				

Project transportation types

Transportation Type	Transportation Mode	Length of Use
Water		

Project accomodation types

◁ ୨୦୧୬,

◁▷↳σ◁⁹⁶▷⁹⁶

Λ⁵Δ^c Δ^aΓ⁴Δ^{5b} Δ^{5b}CDσD⁴Δ^{5b} Δ^cΔ^{5b}ΓDΠΔ^c Δ^jCDΔ^c, Γ^cΔ⁴Π⁵Δ^c, Δ^{5b}Δ^cΔ^{5b}Δ^{5b}, Δ^{5b}Δ^c Δ⁴Δ^{5b}Δ^cΔ^{5b}

ᐃᓕᑦᑲ ᐱᓐᑐ ᐃᐅᐅᓂᐃᓕᑦᑲ ᓕᓄᐃᓕᑦᑲ	ᓕᑦᑲᑦᑲ	ᐃᓕᑦᑲ - ᐃᓕᑦᑲ	ᑲᐅᑦ ᐃᐅᐅᓂᐃᓕᑦᑲ
marine survey vessel	1	approx. 75m	geophysical and geotechnical cable route survey

[illegible][illegible]

ΔL^{9b} ΔD^{9b} CD^{9b} ΔL^{9b} ΔD^{9b}

၂၁ ငါး ခုအတွက်	၂၁ ငါး ခုအတွက်	၂၁ ငါး ခုအတွက်
၀		

$\triangleleft^b C d^c$
$$\Delta^b C d_C \sim \sigma \Delta^a \sigma^a$$
[illegible]
$$4^{\circ} 07' 20'' \text{C} \quad 4^{\circ} 56' 00'' \text{C}$$

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 11: Municipal Development

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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

ᐱᓪᓇ ᐱᑦᑎᐅᑦ ᑭᓪᓄᐱᑦᑕᑦᑕᓪᓇᐅᑦᓴᐅᑦ: ᐅᐱᑭᑭᑕᑭᑭᑦᓴᐅᑦ

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).

[illegible]

Miscellaneous Project Information

[illegible]

Cumulative Effects

Impacts

$\mathbf{e} \rightarrow \mathbf{e} \Delta^{\mathfrak{q}_b} \mathbf{C} \triangleright \sigma^{\mathfrak{q}_b} \mathbf{r}^{\mathfrak{c}} \quad \mathbf{d} \mathfrak{e} \cap \Gamma \triangleright \mathbf{C} \dot{\sigma}^{\mathfrak{c}} \mathbf{d}^{\mathfrak{c}} \quad \mathbf{d}^{\mathfrak{b}} \mathbf{d}^{\mathfrak{q}_b} \mathbf{C} \triangleright \mathbf{r}^{\mathfrak{c}} \mathbf{L} \mathbf{r}^{\mathfrak{c}}$

[illegible]
$$(P = \langle b \rangle_{\mathcal{A}} \mathcal{P} \cap \mathcal{A}^{\perp} \mathcal{Q}^{\perp})^C, N = \langle b \rangle_{\mathcal{A}} \mathcal{P}^{\perp} \mathcal{A} \langle \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^C \subseteq \langle \mathcal{A} \mathcal{P}^{\perp} \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^{\mathcal{A}} \langle \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^C, M = \langle b \rangle_{\mathcal{A}} \mathcal{P}^{\perp} \mathcal{A} \langle \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^C \subseteq \langle \mathcal{A} \mathcal{P}^{\perp} \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^{\mathcal{A}} \langle \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^C, U = \langle b \rangle_{\mathcal{A}} \mathcal{P} \mathcal{A} \langle \mathcal{A}^{\perp} \mathcal{Q}^{\perp} \rangle^{\mathcal{A}})$$



List of Project Geometries

1 polyline waters of Northwest Passage