



Demande de la CNER faisant l'objet d'un examen préalable #126195

Kivalliq-Baffin Connector Marine Survey

Type de demande : New

Type de projet: Marine Based Activities

Date de la demande : Tuesday, June 3, 2025

Period of operation: from 2025-06-24 to 2026-10-24

Promoteur du projet: Victoria
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DÉTAILS

Description non technique de la proposition de projet

Anglais: The Government of Nunavut's Department of Community and Government Services (GN-CGS) has been awarded funding by the Canadian Radio-television and Telecommunications Commission (CRTC) to support the construction of a 1,050 km fibre optic cable in southern Nunavut (Kivalliq-Baffin Connector (KBC) Fibre Optic Cable Project) (the KBC Project). The KBC Project will connect four Nunavut communities to high-speed internet: Iqaluit, Kimmirut, and Kinngait on the southern coast of Baffin Island (Qikiqtani Region), and Salliq [Coral Harbour] on Southampton Island (Kivalliq Region). The KBC Project will connect to an existing Branching Unit (BU) in Salluit (Nunavik). Dynamic Ocean Consulting Ltd (Dynamic Ocean) has been retained by the GN-CGS as the regulatory specialist to support the permitting for KBC Project. This Project Description (PD) is specific to the Marine Survey required for the marine route of the KBC Project. Prior to the offshore marine survey and detailed design, a desktop review to identify the technical feasibility and potential risks of the KBC Project was performed. The desktop review compiled a report of reviewed published and unpublished data including bathymetric data, meta-ocean data, GIS spatial data, and nautical charts, identifying the potential route option used to guide the KBC Marine Survey. The approximate route within the Nunavut Settlement Area (NSA) is 650 m, with an additional 400 m being in Nunavik Marine Region (NMR). The KBC Marine Survey will encompass the full extent of the marine cable route (1,050 km) with up to a 500 m survey corridor (250 m on either side of the cable). The KBC Marine Survey will be composed of the following activities. - Swath bathymetry (MBES). - Side Scan Sonar (SSS). - Subbottom profiler (SBP). - Magnetometer to locate Salluit branching unit (BU) (potential). - Sediment sampler (vibrecore, grab sampler) approximately every 5 km up to a water depth of 25 m Chart Datum (CD). The KBC Marine Survey will take approximately 35 to 45 days, undertaken in the open water season of 2025 or 2026. The survey vessel may have the ability to run two 12-hour crew rotations to allow for 24-hour operation. This will be a contractor led decision. The survey vessel will follow all pertinent marine navigation legislation for safety and the protection of marine mammals such as the Collision Regulations and the Marine Mammal Regulations.

Français: NA

[illegible]

Inuinnaqtun: NA

Personnel on site: 28

Days on site: 75

Total Person days: 2100

Operations Phase: from 2025-06-24 to 2026-10-24

Activités

Emplacement	Type d'activité	Statut des terres	Historique du site	Site à valeur archéologique ou paléontologique	Proximité des collectivités les plus proches et de toute zone protégée
Cable Route	Marine Based Activities	Marine	NA	NA	The marine survey will run up to the landings in Iqaluit, Kimmirut, and Kinngait (Nunavut), and up to the branching unit approximately 60 km from Salluit (Nunavik). The marine survey runs through the Western Hudson Strait Ecologically and Biologically Significant Area and the Southampton Island Area of Interest.

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Iqaluit	NA	Seaforth will include Inuit-owed and/or Inuit partnered companies for refuelling, personnel transport, hotel accommodations, and reprovisioning to foster community engagement during the KBC Marine Survey.	2025-06-03

Autorisations

Indiquez les zones dans lesquelles le projet est situé:

Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Institut de recherche du Nunavut	Scientific Research Licence	Not Yet Applied		
Pêches et Océans Canada	Letter of Advice	Not Yet Applied		
Indigenous and Northern Affairs Canada	Land Use Permit	Not Yet Applied		

Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Water	A marine vessel will transport personnel for this project.	

Project accomodation types

Autre,

Utilisation de matériel

Équipement à utiliser (y compris les perceuses, les pompes, les aéronefs, les véhicules, etc.)

Type d'équipement	Quantité	Taille – Dimensions	Utilisation proposée
Side scan sonar	1	2 m x 50 cm	Seabed type / conditions with an approximately 500 m wide survey corridor
Subbottom profiler	1	1 m x 1 cm	Ground conditions below seabed with an approximately 500 m wide survey corridor
Magnometer	1	2 m x 50 cm	Identification of the Salluit BU
Sediment sampler	2	3 m x 50 cm	Ponar and/or vibecore. Collection of sediment samples approximately every 5 km for depths up to 25 m CD on the approach to each landing (not required to Salluit (Nunavik)).
Multibeam echosounder	1	1m x 50 cm	Bathymetry with an approximately 500 m wide survey corridor
Cone Penetration Test	1	1.6 m x 1.6 m	To support determination of simultaneous laying and burial of the cable.
Sound Velocity Profiler	1	8 cm x 27 cm	To measure the speed of sound at different water column depths.
Drop Camera	1	2.5 m x 1.5 m	Visual observation of seabed conditions to support regulatory and environmental requirements.
Marine Vessel	1	50 m	Marine cable route survey

Décrivez l'utilisation du carburant et des marchandises dangereuses

Décrivez l'utilisation de carburant :	Type de carburant	Nombre de conteneurs	Capacité du conteneur	Quantité totale	Unités	Utilisation proposée
Diesel	fuel	3	12000	36000	Liters	Vessel propulsion and onboard power generation

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
0	Reverse osmosis desalination system.	To be confirmed by contractor.

Déchets

Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Waste disposal	Other, Waste types expected to be required are not known.	Unknown	Waste types expected to be required for the KBC Marine Survey are not known at this time, as it will be a contractor led decision. All waste during the KBC Marine Survey will be appropriately stored on the survey vessel and disposed of at an appropriate facility either in Nunavut or Southern Canada. The contractor will be required to maintain a waste manifest to document appropriate storage. There will be no waste disposed at sea.	N/A

Répercussions environnementales :

Please refer to Section 4 (Potential Environmental Effects) and Section 5 (Environmental Management) of the Environmental Management Plan.

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

Please refer to Section 2 of the Environmental Management Plan.

SECTION H2: Disposal At Sea

NA

SECTION I1: Municipal Development

Description de l'environnement existant : Environnement physique

Please refer to Section 3 of the Environmental Management Plan.

Description de l'environnement existant : Environnement biologique

Please refer to Section 3 of the Environmental Management Plan.

Description de l'environnement existant : Environnement socio-économique

NA

Miscellaneous Project Information

Please refer to the Environmental Management Plan for all miscellaneous information.

Identification des répercussions et mesures d'atténuation proposées

Please refer to Section 5.3 of the Environmental Management Plan.

Répercussions cumulatives

Please refer to Section 4 of the Environmental Management Plan.

Impacts

Identification des répercussions environnementales

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploitation																									
Marine Based Activities		M	-	-	-	M	-	-	-	-	-	-	M		-	M	M	M	M		-	-	P	-	-
Désaffectation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)

Site du projet



Liste des géométries de projet

1	polyline	Cable Route
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