



## **NIRB Application for Screening #125683**

### **Scenic Cruises - Unlocking the Northwest Passage**

**Application Type:** New

**Project Type:** Tourism

**Application Date:** 4/8/2022 8:28:25 AM

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

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

**Project Proponent:** Lisa Bolton  
Scenic Cruises and Tours  
Level 15, 56 Pitt Street  
Sydney NSW 2000  
Australia  
Phone Number:: 0409072405, Fax Number::

## DETAILS

### Non-technical project proposal description

English: About Scenic Cruises Scenic Cruises has more than three decades of experience creating unforgettable, handcrafted journeys for our guests. Scenic is an Australian founded company and has developed itineraries that travel to more than 60 countries and every continent on Earth. From humble beginnings to world-renowned luxury cruise and tour operator, Scenic is recognised as a leader in its field. They have earned a world-class reputation for creating and delivering the ultimate cruising and touring itineraries for travellers who seek wondrous experiences and exceptional service. Their success has been built on establishing long term partnerships with suppliers and the regions in which we work. They continue to nurture these partnerships, to build new relationships and aim to deliver the best experience possible across the globe to create memories that will last a lifetime. Scenic is a member of CLIA (Cruise Lines International Association), IATA (International Air Transport Association), CATO (Council of Australian Tour Operators), and is ATAS (AFTA Travel Accreditation Scheme) and ATAP Accredited (Australian Tourism Accreditation Program). Scenic has been the recipient of national and international accolades from the industry and its partners, as well as recognised within the industry for its exemplary product and operations. Planned itinerary Scenic Cruises plans to operate their new ship, the Scenic Eclipse on an itinerary called Unlocking the Northwest Passage that travels through Greenland, Nunavut, the Northwest Territories and the Yukon Territory. Activities Passengers on board the ship will take part in a variety of activities including community visits (local COVID regulations permitting), flightseeing, hiking, kayaking, Zodiac boat tours, submarine excursions, nature/wildlife viewing and photography. Scenic Cruises will only take part in landings that have been permitted and an Inuit guide will be part of the Expedition Team for the duration of the itinerary in Canada. During any activities involving wildlife, they will adhere to their standard operating procedures (available upon request) and follow AECO's (Association of Arctic Expedition Cruise Operators) guidelines for viewing wildlife and CWS' (Canada Wildlife Service) guidelines for seabird colony viewing by cruise ships. Any recommendations from local HTA/HTC will be followed. Waste & Mitigation Fuel spills are the most unpredictable accident on board ship, the ship's crew minimizes that risk through the establishment of effective operational procedures & training. Ships will fuel at port locations. No fuelling of the cruise ship will occur in the Canadian Arctic. Refuelling of Zodiacs takes place on board the ship. All garbage generated off the ship is returned to the ship. All garbage generated on the ship is incinerated according to an approved garbage treatment process under MARPOL (International Convention for the Prevention of Pollution from Ships). Garbage is stored on board and there is enough space to store all garbage generated during the itinerary on board. No garbage will be dumped in the Canadian Arctic. The ship also complies with the MARPOL requirement for sewage treatment. All sewage, grey water and kitchen sink water is stored in tanks until it can be processed. On boards is a sewage treatment plant certified to meet the requirements of MARPOL and the polar code. Waste is held in tanks and will not be dumped in the Canadian Arctic. Community Involvement Community visits have been planned to Pond Inlet, Gjoa Haven & Cambridge Bay, provided current COVID public health restrictions allow and communities are welcoming cruise ships. Scenic Cruises will hire two Inuit beneficiaries for the duration of their itinerary in Canada. Inuit guides will embark the Scenic Eclipse in Pond Inlet, NU and disembark in Ulukhaktok, NT. Guides will be part of the Expedition Team on all shore landings and will assist the Expedition Leader and the rest of the field team with guest safety, wildlife monitoring and cultural interpretation.

French: À propos de Scenic Cruises Scenic Cruises a plus de trois décennies d'expérience dans la création de voyages inoubliables et artisanaux pour ses clients. Scenic est une entreprise fondée en Australie et a développé des itinéraires qui desservent plus de 60 pays et tous les continents de la planète. Après des débuts modestes, Scenic est devenu un organisateur de croisières et de voyages de luxe de renommée mondiale, reconnu comme un leader dans son domaine. L'entreprise s'est forgée une réputation mondiale en créant et en proposant des itinéraires de croisière et de voyage exceptionnels aux voyageurs en quête d'expériences extraordinaires et d'un service hors pair. Leur succès s'est construit sur l'établissement de partenariats à long terme avec les fournisseurs et les régions dans lesquelles ils travaillent. Scenic continue à entretenir ces partenariats, à établir de nouvelles relations et à offrir la meilleure expérience possible à travers le monde pour créer des souvenirs qui dureront toute une vie. Scenic est membre de la CLIA (Cruise Lines International Association), de l'IATA (International Air Transport Association), du CATO (Council of Australian Tour Operators), et est accrédité ATAS (AFTA Travel Accreditation Scheme) et ATAP (Australian Tourism Accreditation Program). Scenic a reçu des accolades nationales et internationales de la part de l'industrie et de ses partenaires, et a été reconnue au sein de l'industrie pour son produit et ses opérations exemplaires. Itinéraire prévu Scenic Cruises prévoit d'exploiter son nouveau navire, le Scenic Eclipse, sur un itinéraire intitulé Unlocking the Northwest Passage qui traverse le Groenland, le Nunavut, les Territoires du Nord-Ouest et le Territoire du Yukon. Activités Les passagers à bord du navire prendront part à diverses activités, notamment des visites de communautés (si les réglementations COVID locales le permettent), des vols, des randonnées, du kayak, des excursions en bateau Zodiac, des excursions sous-marines, l'observation de la nature et de la faune et la photographie. Scenic Cruises ne participera qu'aux débarquements autorisés et un guide inuit fera partie de l'équipe

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Inuinnaqtun: Kanukgitunik Havagiyaavuktunik Scenic Cruises Scenic Cruises havagiyaavuktunik huli kunngunguktuk taimaninguliktuk havagiyaahimakhugit naudjutigihimakhugitlu puigungnaituniklu, ingmingnik havaagiluakhuugit inuup piumayuminik atukhugit ihuumanuani akkuihimayuk tahapkunanilu akkuivuktunik. Scenic tahapkuat havagiyaait Austrailiyaakmiutut ilingaitunik havaktigit havakvit pihimayunik aulaktikpakhimayunik itkumannahuakhutik havutiakhutik aulakgutikhunik havakhikpaktunik naunaitkutak atiliukvit ihuakhakhimayunik inikhimayunik aulakgutikhunik avaatingnut pihimayunik 60-nik nunalaanilu talvanilu taryuukgalukmi avaatingnut aulakpakhimayunik Hilaryuami. Talvunganit pitiakhutik kayumitumik ammigakhukhimaitumiklu aulakgultuutik kaayumitumik hilaryuami-ilidjuuhiniklu ilingaitunik atukhutik havakhutik uumiakpait atukhugit pikakhutiklu havaktikakhutik apikhuuyuukumik akkuut takuyaktuivuktunik havaktigit, Scenic ilihimayaavuktuk havak tamna hivuliuvuktuk huliluukagutaavuktunik hilami. Tahapkuat havatiakpakhutik aah hilaryuami-ilingaitumik havatiakyuuktunik ukkligiyaavuktunik naudjutihimakhutik havagiblugit uuktutikhunik akkuidjutikhunik nakuyumik ilingaitumik havakvit atukpaktunik uumiakut akuivuktunik imalu itkumannahuakhutik havutiakhutik aulakgutikhunik huliluukagutaauyukhunik tahapkunani aulaakgumainaktunik huumut aliahuuktunik aulakhimapkaktunik talvunalu nakugidjuutiblugit havauhit havakpauhidjutinik. Tahapkuat inikhivuktunik havutiaknikmun nauvukhimayuniklu havagiyauganginaktukhunik panaarinik pikaktunik atugakhunik tahapkunanilu nunatutukanik humi havakviuvuktunik. Tahapkuatlu havagihimakhugit ilingaitunik pitiakhugit panaarinik, pihimakhutik naudjutinikmun havagihimakhugit nuutanguktikhimakhugit havakatigiknikmunlu mikharut havagitiaklugit nakuyumik pinahuaktungniktunik havauhit pidjutivuktamingnik huliluukaknikmun pinahuaklutik havagitiaklugit avaatingnut hilaryuamilu ilidjuhinik ilihimavuktakhainik puiguuknaitunik akkuivuktunik takuuyaktuivuk nunaanik humi puuguulimaimutaa akkuiviit nunaanani humi inuup puugulimaitainik. Scenic pihimayut havakvit talvani CLIA (Takuuyaktuivuktunik Hilaryuami Nunaanik Huranginiklu Uumiakpait Hilaryuami Katimayit), IATA (Hilaryuami Tingmitikut Aulakpaktunik Katimayit), CATO (Katimayit Astrailiakmiut Akkuivuktunik Havakvit), talvanilu ATAS (AFTA Aulaknikmun Aihinut Havagiblugit Kuniaktitivuktunik Aklingnaktunik Nunalaani) tamnalu ATAP Aulaknikmun (Austrailiyaakmiutut Havakvit Aulaknikmun Aihinut Havagiblugit Kuniaktitivuktunik Aklingnaktunik Nunalaani Havakhautit). Scenic havagiyaavuktunik aklikgiyaavuktuniklu hilaryuami avaatingnutlu ilihimayaavuktunik aklikgiyaavuktunik havaktungniktunik tahapkunani havakviuvuktunik panaarinutlu, imalu ilituukgiyaavuktunik havakvinit pivuktunik havakatigiknikmun atugakhaliuknikmun atugakhunik havakviuvuktuniklu. Pangnuttauynik huliluukagutaauyukhunik Scenic Cruises pangnutauynik havagiyaayukhunik nuutanguktikhimayunik nuutanuak uumiakpak atulihaliktuk, tamna Scenic Eclipse aulakviani apkuutanik huliluukagutikhunik taihimayaat "Unlocking the Northwest Passage" (Ungmaktikgutikhunik Nunatsiami Taryumi) aulakvikhunik tungmakvikhunik mikharut Greenland, Nunavut, Nunatsiami, talvanilu Yukon-milu. Huliluukagutikhunik

Aliahuutikhuniklu Akkuunik aulaat uuhitiktunik uumiakpakmi pipkakhunguyait  
huliluukaktilugit aliakhuuktilugitlu ilaayunik nunalingni puulaktilugit humi (nunalingni  
COVID malikgakhunik naunaitumik), tingmitiluutik, pihuuyaklutik, kayaktuklutik,  
Kayaktuklutik Uulapakmik Kayakaklutik kuniagumayunik humi nunaani, ataani taryumi  
kayaktuklutik, hila/huraanik kuupanuaniklu kuniakufuuklugit piksaliuklugitlu. Scenic Cruises  
pihunguyainik kihmi tuululviuugumik tahapkunani havakhikhimayunik pihimayunik  
inikhimayunik Inuukmik havaktikhumingnik ayuukiktuiyuukhumik havaktuukhumik talvani  
Aulaanik Aulaakpaktunik Humi Akkuivuktunik Nunaalani Havakatigit humi  
tuululviuuvuktunik aliahuutigiyauvuktunik huliluukakpaktunik Kanatami. Talvuna havakumik  
huliluukakgutaauvuktunik ilaayuniklu huranik hilamiutanik, pilutik havagitiaklugit  
malikgalingnik pilugit atuktauvuktunik havakvit atukpagainik havauhinik  
havagiyauhimakpaktunik (uupalungaikhimayunik talvani havagiyauyukhunik havakhautit)  
tahapkunani malikgakhuniklu havakhautit AECO (Katimayit Tunungani talvani Aulaanik  
Aulaakpaktunik Humi Akkuivuktunik Havakviuvuktunik) malikgakhainiklu havagiyauvuktunik  
kuniaktivuktunik hilamiutanik huraanik CWS (Kanatami Ung guuhikiyit Havakpauhidjutinik)  
malikgakhainiklu havagiyauvuktunik tahapkunana taryukmiutanik kuupanuanik tingmianiklu  
ivaavit kuniaktauvuktunik tahapkunani uuhitikhutik uumiaktukpaktunik akkuivuktunik.  
Pikakgumik apikutikhunik havaagiyauyukhunikulun tahapkunani apikhuiyuut nunalingnit  
Unguuniaktit Nunirgiaktuktit Katimayit/Ikhivautaliknik Katimayingit Ununiaktit  
Nunirgiaktuktit (HTA/HTC) pilugit naunaiyuklugit havagihimaklugitlu. Ikakunik imalu  
Kayakginnahuakpaktunik Ukhuukluit kuuvitailiblugit tapkuat kihimi ipiknakpaiktunik  
havakhautit kayaknaktunik ayuukhukgangut uumiaktuukhuni, tahapkuat uumaikmi havaktit  
pivuktunik havagitiakhugit kayaknaitumik kanukgilinnaitumiklu aulaakgangumik  
ammigivuktunik taima pihimakhutik ayuukhaiblutik havaktunik aulakhimakhutik  
havagiganginskugit. Uumait pivukgait uukhikhivuktunik tahapkunani tikitkangumik  
huumut nunalaani tuululvinik. Uukhikhiyuitunik uumiaktukgangumik uungahiktumik  
aulakvinik talvani Kanatami Tunungani. Uukhikhivuktunik tahapkungningaa uulapangnik  
kayaaliukhimayunik uumiap iluani. Tamukpianginik ikaakunik atuktauvuktunik  
uumiaktukpaktunik pihimavukgait tikitinagit kihimi ikkakuktauvuktunik ikakuukvikni.  
Tamukpianginik ikaakunik atuktauvuktunik pihimavukgait tikitinagit kihimi  
ikkakuktauvuktunik ikakuukvikni uumiakmit atukhimayunik ikakuukvinut pivukgait MARPOL  
(Hilaryuami Ikakunik Halumaktauvuktunik Halumaikgutinautikum Uumiaktukpaktuniklu).  
Ikakuit tutkuktauvuktuut uumiakmi inihakaktuut tuutkumavikhainik ikakuunik  
atukhimayunik talvuna hulilukakpaktunik uumiaktukpaktunik. Ikakuulimaitunik talvungaa  
Kanatami Tunungani. Tamna uumiakpak pikaktuuklu Havakhimayunik Ingniikutilingnik  
Atuktauvuktunik MARPOL pikariakagumik havakhikhimayunik atugakhunik  
kuuvikgakhimayunik imakluinik hulumuktiktauvukumiklu. Tamukpianginik  
kuuvikgakhimayunik imakluinik, imakluit atukhimayunik talvungalu kuukiuvikmit  
kuuvikgakhimayunik tuutkuktauvuktuut havakhikaktinagitlu haalumaktiktauyukhunik.  
Havakhimayunik uumiakmi pikaktuk haluumaktikgutunik havakvilik atuktauvuktuk havakvit  
ihiviuhimayanik atuutiaknaktumik ingnikutilingnik havakhikariakaktunik Havakhimayunik  
Ingniikutilingnik Atuktauvuktunik MARPOL uupalungaikhimayunik titikgakhimayunik  
naunaitkutakhunik. Imakluinik tuukumavuktait pihimavukgait pilgaaktinagit  
havakhikaktinagitlu haalumaktiktauyukhunik kuvikgayuitunik talvunga Kanatami  
Tununganilu. Nunalingni Havakatigiktukhuniku Nunalingni puulaklugit pihimayut  
havakhikpaktunik pangnatauyukhunik talvani Mitimattalikmi, Okhuktuk Ikaluktutiaklu,  
pilugit uupalungaikhimalugit ublumimut havakhimayunik naunaitkutanik atugakhunik  
talvuna COVID inukatigiknikmun inuhikgingnaktumik pargumiyauvuktunik havakhimayunik  
ungiutauvuktunik talvanilu nunalingni titukgahuanginakgialiklu puulaknaktuk akkuivuktunik  
uumiaktukhutik. Scenic Cruises pihunguyuut havaktukhunik malguknik Inuuknik  
talvungaugumik puulakgumik huliluukakgutaauvuktunik humi akkuunik aliahuuktitiyunik  
Kanatami. Inungnik ayuukiktuiyukhunik pilutik ikayutaulutik akligiyauvuktuukhunik talvani  
Scenic Eclipse Mitimattalikmi, Nunavut, talvanilu kuniaklugit takuuyaktuklugit

Uukhaktokmi, Nunatsiami. Havaktut Ayuukiktuiyit Munakhiyit havakatigiklutik Aulaanik Aulaakpaktunik Humi Akkuivuktunik Nunaalani Havakatigit havakviulutik hingnaani tuululvinik pilugit havagilugit ikayuklugit Aulaakpaktunik Humi Akkuivuktunik Nunaalani Hivuliuktat tahapkunanilu havaktukhunik havakatigiktukhunik munakhiyukhunik akkuinik aliahuuktunik kayaknaitumik, huranik kuniaktunik munakhiyuniklu pitkuhiktukpaktunik ingilgangnitanik atuktauvuktunik huli uukaktiliit nuumiktiliktikhuniklu.

**Personnel**

Personnel on site: 200

Days on site: 9

Total Person days: 1800

Operations Phase: from 2022-08-20 to 2022-08-28

## Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
cruise vessel route map	Tourism Activities	Inuit Owned Surface Lands	The Northwest Passage has been travelled many times by yachts and cruise ships.	Historical sites to be visited along the route:Dundas Harbour/Morin PointBeechey Island/Northumberland HouseFort RossKing William Island	Visits are planned to Pond Inlet, Gjoa Haven & Cambridge Bay (COVID restrictions permitting)Visits to protected areas include:Prince Leopold Island (migratory bird sanctuary)

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Pond Inlet	.	Hamlet & HTO	2022-04-11
Gjoa Haven	.	Hamlet & HTO	2022-04-11
Baker Lake	.	Hamlet & HTO	2022-04-11

## 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
Government of Nunavut, Department of Culture, Language, Elders, and Youth	Nunavut Archaeology Permit	Applied, Decision Pending		
Canadian Wildlife Service	Migratory Bird Sanctuary Permit	Applied, Decision Pending		
Government of Nunavut, Department of Environment	Wildlife Observation License	Applied, Decision Pending		
Government of Nunavut, Department of Economic Development & Transportation	Tourism Outfitters License	Applied, Decision Pending		
Hamlets and Municipalities	Visit authorizations	Applied, Decision Pending		
Hunters and Trappers Associations/Organizations	letters of support and guidance for visiting the area	Applied, Decision Pending		
Kitikmeot Inuit Association	Visitor's permit	Applied, Decision Pending		

### Project transportation types

Transportation Type	Proposed Use	Length of Use
Water	cruise ship	

### Project accomodation types

Other,

## Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Mark V Zodiacs with Yamaha 60 HP engines	12	5.8m	Passenger transport to shore, Zodiac cruising excursions, kayak safety boat
Narwhal Fast Boat Heavy Duty 620 with Yamaha F150DETL engine	1	8-person	small boat touring, passenger transport
Kayaks	8	double	kayak excursions
Kayaks	2	single	kayak excursions
Airbus H130 Helicopters	2	7-passenger	Aerial flightseeing
U Boat Worx Cruise Submarine 7	1	6-passenger	underwater viewing excursions
Ocean Robotics Aegir 50-4D Remote Operated Vehicle	1	105x72x59 cm	Live stream underwater viewing for passengers
Cruise ship (unrestricted navigation, polar class 6 passenger ship)	1	152x21x10m	Transport and accommodation for cruise ship passengers.

### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	11	740	8140	Cubic Meters	MDO for vessel fuel
Aviation fuel	fuel	2	20	40	Cubic Meters	helicopter fuel
Gasoline	fuel	2	3	6	Cubic Meters	Zodiac engines

### 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
Tourism Activities	Combustible wastes	.	On-board incineration of waste is an approved garbage treatment process under MARPOL, which incorporates specifications for shipboard incinerators. Vessels with incinerators are designed, constructed, operated and maintained in accordance with this standard. Dry garbage is to be incinerated or treated otherwise by accepted standards. The storage area can contain estimated garbage generated in the course of 3 weeks provided it has been processed. MARPOL totally prohibits the discharge of all garbage at sea (except food waste). All plastics will either be burned or brought back and disposed of in port.	n addition, the ship has the following garbage processing equipment which minimizes the collected volume. This includes: a bale compactor, Glass crusher, waste shredder, and tin densifier. The bone crusher are than later put in cold storage.
Tourism Activities	Greywater	.	The vessel will comply with the MARPOL requirement for sewage treatment. All sewage, grey water and kitchen sink water is stored in tanks until it can be processed. Untreated waste is never discharged.	The ship is equipped with an advanced waste water treatment system. The treatment plant chlorinates and flocculates sewage, separating solids and liquids. Grey and black water streams are combined and passed through the treatment system which produces a fresh water effluent (clean water) which is discharged outside 4 nautical miles.
Waste disposal	Hazardous waste	.	Batteries - Separated and removed for recycling or disposal at a certified reception port. Medical and sanitary waste - Frozen and removed for disposal at a	.

			certified reception port Fuels and Oils - Stored onboard and removed for disposal at a certified reception port Chemical waste - Stored onboard and removed for disposal at a certified reception port	
Tourism Activities	Sewage (human waste)	.	The vessel will comply with the MARPOL requirement for sewage treatment. All sewage, grey water and kitchen sink water is stored in tanks until it can be processed. Untreated waste is never discharged.	The ship is equipped with an advanced waste water treatment system. The treatment plant chlorinates and flocculates sewage, separating solids and liquids. Grey and black water streams are combined and passed through the treatment system which produces a fresh water effluent (clean water) which is discharged outside 4 nautical miles.

#### Environmental Impacts:

Risk - Scenic Eclipse will encounter marine and wildlife habitats of species at risk during her transit of the Northwest Passage. Mitigation - During some off-ship activities, guests and expedition and operational staff will be cruising and landing in areas where wildlife, and delicate flora and vegetation may be encountered. The proposed activities have the potential to be disruptive to certain animal or plant species. These impacts will be mitigated through careful planning and management of activities. All guests and crew will follow the operating procedures developed by the ship as well as AECO guidelines for the viewing of birds and marine mammals. Risk - Emissions to air generated from fuel burned Mitigation - Scenic Eclipse uses only low sulphur diesel in its operations. In addition the Eclipse is equipped with an exhaust gas purification system which cleans the exhaust generated by the engines. The vessel will have opacity meters installed which will sound an alarm if opacity exceeds 20%. The Scenic Eclipse is fully compliant with Polar code pollution prevention measures and complies with all emission requirements for cruising in Polar zones. Risk - Emissions to water Mitigation – Fuel spills can be mitigated through proper crew training and adherence to standard operating procedures. The company has a Shipboard Oil Pollution Emergency Plan. Standard operating procedures require all fueling of auxiliary equipment and helicopters to take place onboard the ship, minimizing the risk that fuel will be released into the water. Fuelling of the Scenic Eclipse will be done in port prior to entering the Canadian Arctic. All onboard equipment is regularly serviced and maintained, reducing the risk of fuel discharge due to equipment malfunctions.

# **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**

See attached project description document.

## **SECTION H2: Disposal At Sea**

See attached project description document.

## **SECTION I1: Municipal Development**

### **Description of Existing Environment: Physical Environment**

See attached project description document.

### **Description of Existing Environment: Biological Environment**

See attached project description document.

### **Description of Existing Environment: Socio-economic Environment**

See attached project description document.

## **Miscellaneous Project Information**

### **Identification of Impacts and Proposed Mitigation Measures**

See attached project description document.

## **Cumulative Effects**

See attached project description document.

# 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
<b>Construction</b>																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
<b>Operation</b>																										
Tourism Activities		M	-	-	-	M	-	M	-	-	-	-	M	M		M	M	M	M	M		P	P	-	-	-
<b>Decommissioning</b>																										
-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

## Project Location



## List of Project Geometries

1	polyline	cruise vessel route map
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