



NIRB Application for Screening #126092

Protecting the Arctic Legacy Expedition

Application Type: Amendment

Project Type: Tourism

Application Date: 1/29/2025 4:21:55 AM

Period of operation: from 2025-06-15 to 2025-09-30

Project Proponent: Estelle Blet
Blue Lark
D1 Tower
Dubai Dubai 00000
United Arab Emirates
Phone Number:: + 33603500389, Fax Number::

DETAILS

Non-technical project proposal description

English: The project involves small vessel tourism visits to the areas during our Northwest Passage transit. Subject to favorable conditions and time constraints, we plan to conduct brief stops for tender operations and shore excursions, primarily for wildlife observation to enhance the visitor's experience as learning helps to understand and to protect. Each stop is anticipated to be of short duration, typically several hours.

French: Please see attached file

Inuktitut: Please see attached file

Inuinnaqtun: I apologize, I don't have this translation as we do not go to Ahlak MBS. I followed the CANADIAN WILDLIFE SERVICE NORTHERN REGION Translation Requirements: Nunavut: Your plain-language project summary must be provided in Inuktitut and English. In addition, if your application is for a project/activity in Ahlak (Queen Maud Gulf) Migratory Bird Sanctuary, your project summary must also be provided in Inuinnaqtun. Northwest Territories: N/A Yukon: N/A link: 2025_NWA-MBS-PermitApplication_InstructionSheet_NR

Personnel

Personnel on site: 15

Days on site: 10

Total Person days: 150

Operations Phase: from 2025-06-15 to 2025-09-30

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Intended sailing area through the NW passage	Tourism Activities	Crown	Beechey Island	Sites associated with Arctic exploration, including the wintering site of Franklin's lost expedition and a base for subsequent search expeditions	80 km approx from Resolute community

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Resolute Bay	Sarah Salluviniq	Park Canada	2025-01-13
Resolute Bay	Eric and Windy	Coop Resolute	2025-01-16
Resolute Bay	Eric and WIndy	Coop Resolute	2025-01-24
Grise Fiord	Ragilee Attagootak	Translation to Inuktitut	2025-01-25
Pond Inlet	Darrell Makin	Park Canada	2025-01-28
Pond Inlet	Office	Mittamatalik Hunters and Trappers Association	2025-01-30

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Information is not available				

Project transportation types

Transportation Type	Proposed Use	Length of Use
Water	Private yacht 40 m long - maximum 18 people: 9 crew members and 9 passengers	

Project accomodation types

Other,

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Small boats	2	5m	tender cruise, trip shore, safety

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	1	33000	33000	Liters	Yacht propulsion
Gasoline	fuel	6	120	720	Liters	Tender propulsion

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
1	We will, very locally, alter the flow of seawater because we will run the reverse-osmosis water maker.	On board

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Tourism Activities	Greywater	800 liters/day	Stored in the grey water tanks on board - no discharge in protected areas	We also have a disinfection unit to treat the water before discharge in area where it is permitted: TECNICOMAR ECOMAR70 S
Tourism Activities	Other, Oily waters	10 liters/day	Stored in a dedicated tank on board - no discharge in protected areas	We have a DVZ 150 FSU-B Oil Chief IMO-type approval 330399-00 to remove the oil from the water (15ppm) before discharge in area where it is permitted
Tourism Activities	Sewage (human waste)	150 l / days	Stored in the dedicated tanks on board - no discharge in protected areas	We also have a disinfection unit to treat the water before discharge in area where it is permitted: TECNICOMAR ECOMAR70 S

Environmental Impacts:

Potential Effects of the environment impact: - Vessel presence may temporarily disturb wildlife behavior - Possible short-term displacement of marine and bird species - Temporary changes in feeding and movement patterns Limited Impact Factors - Single annual vessel transit - Brief duration visits - Small-scale operations - Seasonal activities only Key Mitigation Strategies Operational Controls: - Maintain safe distances - Reduce speeds in sensitive areas - Follow established routes - Limited viewing duration Wildlife Protection: - Avoid breeding colonies and nesting areas - Minimize noise and light disturbance - Follow "Leave No Trace" principles - Monitor and report wildlife reactions Risk Management: - Regular monitoring and maintenance - Clear emergency procedures - Community communication - Incident reporting system Regarding socio economic impact, this is very positive: Creates jobs Provides sustainable income opportunities Cultural Benefits Preserves and promotes Inuit culture Enables cultural exchange Maintains community authenticity Strengthens cultural pride Development Opportunities as creating local business opportunities (arts, food, guiding) Provides skills development in hospitality and tourism Allows communities to share their stories

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

If it is allowed, we may sail in the Eclipse Sound and Navy Board. We will also have to go through the Marine Protected area in Lancaster Sound (Tallurutiup Imanga National Marine Conservation Area where, over the summer months, the Canadian Arctic is home to about 90 per cent of the world's narwhal population). If permitted, we would sail in Bylot MBS, Cape Parry MBS, Polar Bear Pass NWA, Sirmilik National Park, and Ivvavik National Park. We will be careful and avoid route of marine and terrestrial wildlife.

Description of Existing Environment: Biological Environment

We are aware of the Cosewic data list for endanger species for Nunavut: Caribou - beluga whale - eastern red bat - eskimo curlew - grey headed chickadee - gypsy cuckoo bumble bee - hoary bat - ivory gull - little brown myotis- northern myotis - red knot rufa subspecies - ross s gull - silver-haired bat - whooping crane - We will contact the Hunter and Trapper Association for more and up-to-date-details before arriving in the respecting area regarding Wildlife management. The Arctic ecosystem is fragile and under pressure from climate change and resource development. Regarding migration routes, narwhals are showing changing migration patterns: Delaying autumn migrations by 10 days per decade, the males start migration before females with dependent young, they move from coastal waters to deeper waters for winter. Beluga whales: they migrate into shallow estuaries for breeding and navigate around shipping routes so we will be very careful. On Bylot island, the listed species under SARA are : Peregrine falconred knot bowhead whale (eastern arctic population)polar bear. On Bylot Island, there are 15% of the snow geese population. They rest and feed in southern Quebec for a few weeks during their migration each fall and spring. It is estimated that more than 10% of the Canadian population of thick-billed murres and 25% of black-legged kittiwakes share the island's cliffs. Cape Parry MBS: At least 12 species of mammals have also been spotted in and around the Cape Parry sanctuary including bowhead whales, an endangered species, which are commonly found in Amundsen Gulf during spring and early summer. The Parry Peninsula is an important arctic fox trapping area for the residents of Paulatuk and their largest harvest of polar bears takes place off the shores of Cape Parry. SARA list: Polar bear and bowhead whale. Much of the sanctuary has less than 25% plant cover, due to the high lime (calcium carbonate) content of the soils. We will make sure we do not walk on the vegetation. In total, 23 species of birds, including 17 breeding species, have been recorded within this sanctuary. The number of thick-billed murres nesting in this sanctuary varies between 500 to 900 individuals each year. Polar Bear Pass NWA: It has large wetlands where polygon ground patterns and other rarities exist. The NWA supports at least 54 species of birds. This includes 30 breeding species, particularly waterfowl and shorebirds. Red phalarope are likely the most abundant nesting species. Brant also breeds here, but this population migrates over Greenland to winter in Ireland. Peary caribou is an endangered species under SARA as well as Polar Bear. Polar bears pass through the area in spring and summer. They do so on their way to Graham Moore Bay, to the southwest. This is an important feeding area where they find walrus and ringed seals.

Description of Existing Environment: Socio-economic Environment

On our route, there are many communities: Pond Inlet, Resolute, Cambridge Bay and Gjoa Haven. The only National Historic site we would go to is Beechey Island however there are many other remains as for example Qaiqsut historical Site on Bylot or the historic Inuit houses from Thule culture next to the High Arctic Exiles Monument in Resolute Bay as examples. On Bylot we may explore the Hoodoos, sandstone columns that support a capstone. It is generally between 5 and 7 m tall. The capstone protects the hoodoo from erosion, but they are delicate structures that take millions of years to form.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Potential Effects of the environment impact: - Vessel presence may temporarily disturb wildlife behavior- Possible short-term displacement of marine and bird species- Temporary changes in feeding and movement patterns. Limited Impact Factors- Single annual vessel transit- Brief duration visits- Small-scale operations- Seasonal activities only. Key Mitigation Strategies Operational Controls:- Maintain safe distances and cancel operation if needed- Reduce speeds in sensitive areas- Follow established routes- Limited viewing duration Wildlife Protection:- Avoid breeding colonies and nesting areas- Minimize noise and light disturbance- Follow Leave No Trace principles- Monitor and report wildlife reactions Risk Management:- Regular monitoring and maintenance- Clear emergency procedures- Community communication- Incident reporting system. Regarding socio economic impact, this is very positive: Creates jobs Provides sustainable income opportunities. Cultural Benefits Preserves and promotes Inuit culture-Enables cultural exchange- Maintains community authenticity-Strengthens cultural pride-Development Opportunities as creating local business opportunities (arts, food, guiding)Provides skills development in hospitality and tourism-Allows communities to share their stories

Cumulative Effects

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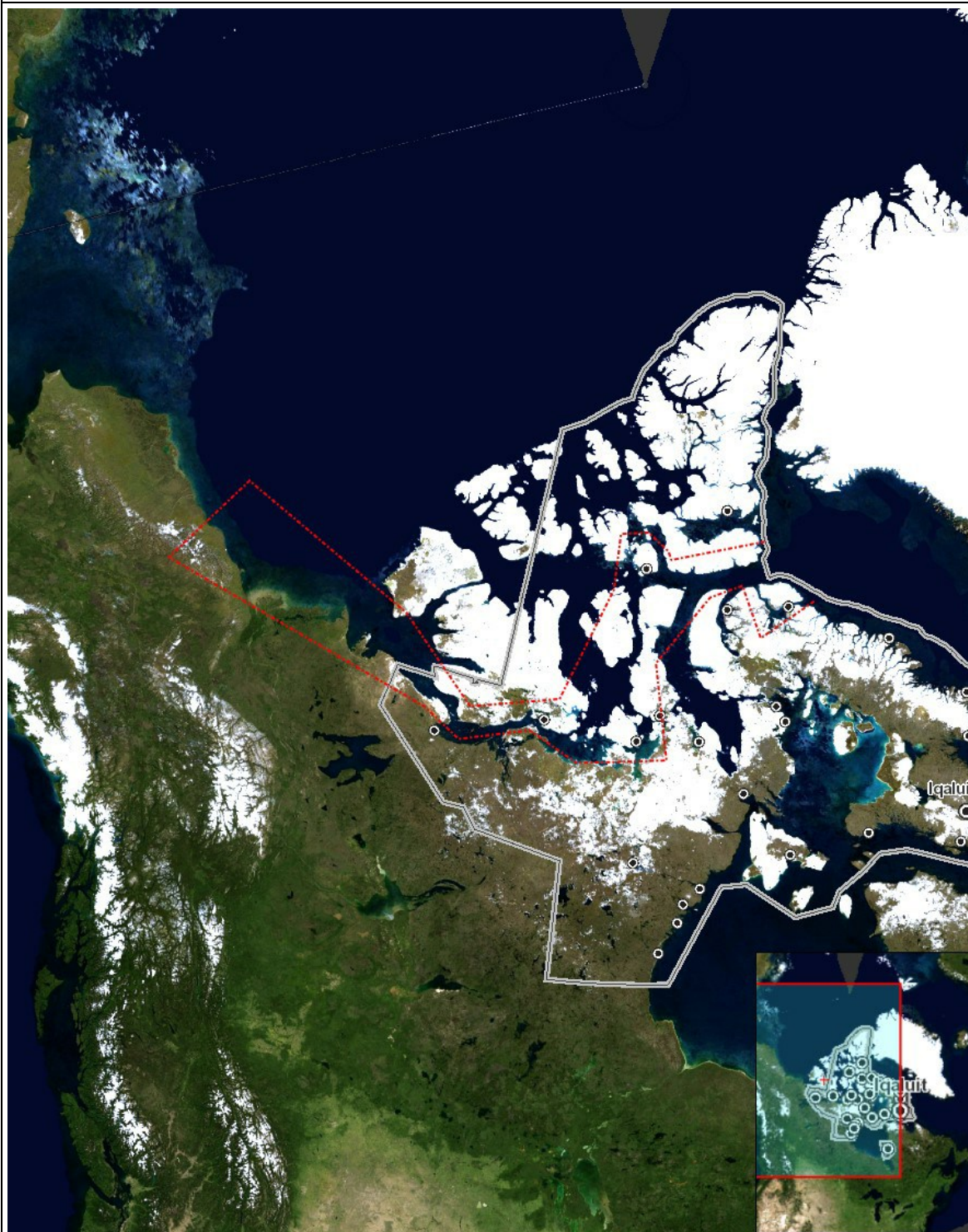
Impacts

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operation		M	M	M	-	M	M	M	M	M	P	M	M		M	M	M	M	M		P	P	P	U	P
Decommissioning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Project Location



List of Project Geometries

- | | | |
|---|----------|--|
| 1 | polyline | Intended sailing area through the NW passage |
|---|----------|--|