



NIRB Application for Screening #125935

Nirjutiqarvik National Wildlife Area Management

Application Type: New

Project Type: Scientific Research

Application Date: 4/10/2024 2:57:49 PM

Period of operation: from to

Proposed Authorization: from to

Project Proponent: Jessica Kassar
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Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Camp for field crew	Camp	Crown	NA	Archeological site on the island but we are not camping near it.	Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area
Dome shelter location	Camp	Crown	This dome shelter was built in the National Wildlife Area in 2023.	Archeological site on the island but not in this location.	Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.
Tentative location for AIS station	Researching	Crown	Unkown	Archeological site on the island but not in this location.	Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.
Princess Charlotte Monument (puffins)	Researching	Crown	Limited bird surveys in the past.	Unkown	Grise Fiord is the closest community. The work is closest to the Nirjutiqarvik National Wildlife Area.
Remote camera location	Researching	Crown	Remote camera installed in 2023	Archeological site on the island but not in this location.	Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.
Seabird colony	Researching	Crown	Limited bird surveys in the past.	Archeological site on the island but not in this location.	Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Grise Fiord	Marty Kuluguqtuq	Nirjutiqarvik National Wildlife Area	2023-07-01

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Canadian Wildlife Service	Scientific Permit	Applied, Decision Pending		
Canadian Wildlife Service	National Wildlife Area Permit	Applied, Decision Pending		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	The crew will be transported to Nirjutiqarvik National Wildlife Area by Twin Otter. We will be using a helicopter for seabird colony surveys and transportation around the island for other work such as dome shelter maintenance and remote camera installation.	
Water	By zodiac	
Land	On foot	

Project accomodation types

Temporary Camp

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Bear fence	1	27ft x 27ft	Electric bear fence to set up around camp for polar bear safety.
Generator	1	.	Honda 3000 IC W
Tents	11	Various sizes	Separate tents to be used for cooking, sleeping, and gear storage, ranging in size from a 2-person sleeping tent to a larger cook tent.
Boat	1	8ft	Inflatable 4-person zodiac to be used to survey nearby seabird colonies and transport crew
Boat motor	1	.	Yamaha 20hp outboard motor
Vehicle	2	.	Two Kawasaki ATVs to be used for traveling around the island. Will be removed when the crew departs.
Twin Otter	2	20m	DHC6 (300) will be used to get crew and gear to Coberg Island. A Bell 206L (LR) will be used once on site to survey nearby seabird colonies and to transport crew to various work locations around the island.
Helicopter	1	32.4 ft	A Bell 206L (LR) will be used once on site to survey nearby seabird colonies and to transport crew to various work locations around the island.

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Propane	fuel	6	20	120	Lbs	Cooking food
Gasoline	fuel	2	200	400	Liters	For ATV, generator, boat.
Aviation fuel	fuel	6	200	1200	Liters	Fuel for the helicopter. All fuel containers will be removed

						when the crew departs.
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Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	Retrieval from rivers, streams, runoff from melting glacier using a water container.	Not yet determined

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Camp	Greywater	800	Dig a small pit and dispose the greywater there.	Treat with lime.
Camp	Sewage (human waste)	2 per person per day	Removal from the NWA using Go Anywhere Kit waste bags. They will be transported with our garbage back to the PCSP warehouse in Resolute.	NA

Environmental Impacts:

As we will monitor bird colonies, wildlife disturbance is a potential environmental impact of our activities as well as hydrocarbon spill from transportation and generator. Researchers on site will take all measures to reduce disturbance to a minimum (keeping distances, avoid encounters, reducing time of observation/disturbance). Participants in the work will be briefed to follow the same measures. Spill kits will be onsite. All garbage will be brought back to the community for proper managing.

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

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

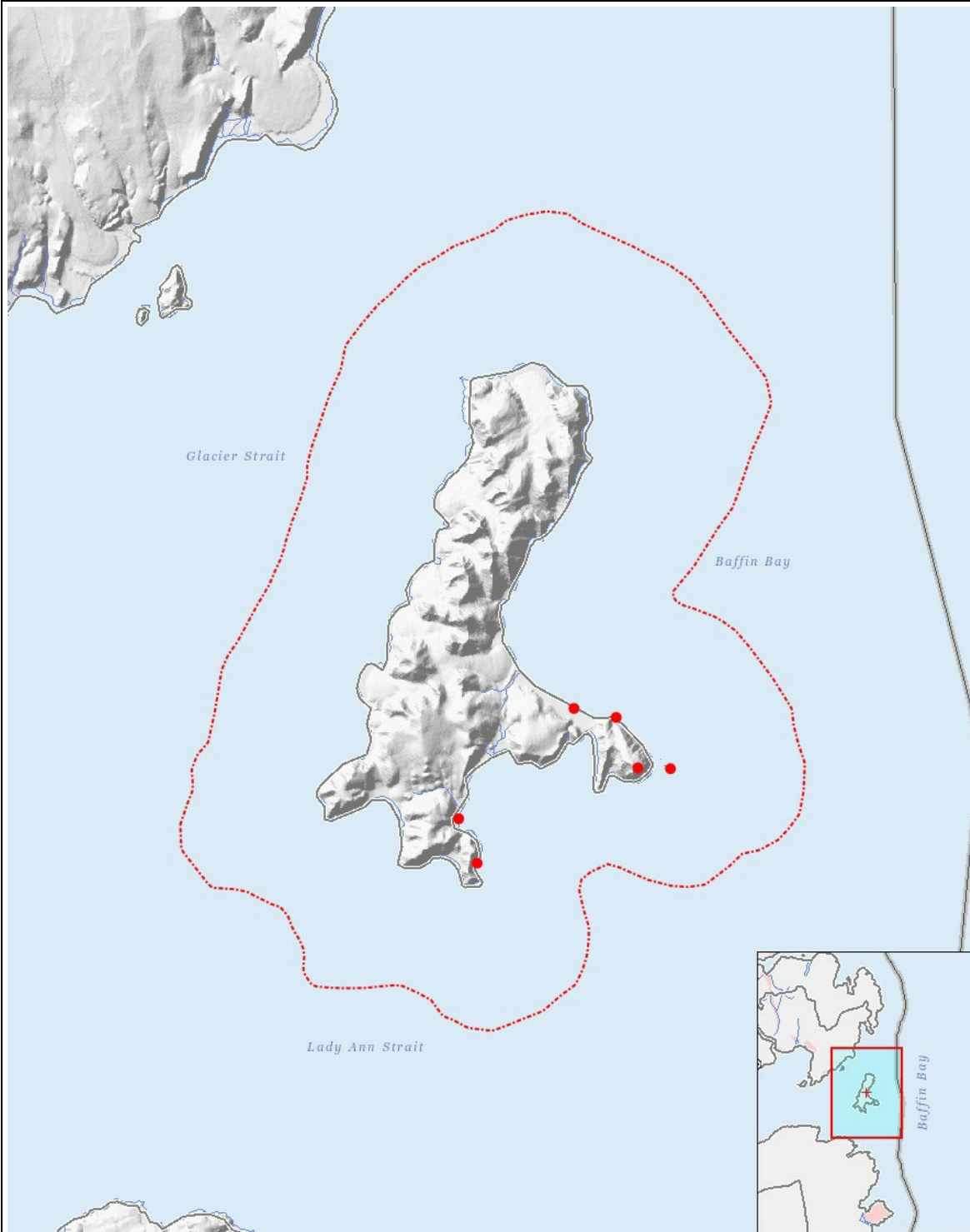
Impacts

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																									
Camp	M	U	-	-	-	-	-	-	-	-	-	-	M	-	M	M	-	P	-	-	P	P	-	-	-
Researching	-	-	-	-	-	-	-	-	-	-	-	-	N	-	M	N	M	P	-	-	P	-	-	-	-
Decommissioning																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Project Location



List of Project Geometries

- | | | |
|---|----------|---------------------------------------|
| 1 | polyline | Map of Coburg Island |
| 2 | point | Dome shelter location |
| 3 | point | Camp for field crew |
| 4 | point | Tentative location for AIS station |
| 5 | point | Princess Charlotte Monument (puffins) |
| 6 | point | Remote camera location |
| 7 | point | Seabird colony |