



NIRB Application for Screening #125972

Kinngait beluga and walrus biopsy, tagging, camera, and drone work

Application Type: New

Project Type: Scientific Research

Application Date: 6/3/2024 1:04:29 PM

Period of operation: from 2024-09-09 to 2024-10-08

Project Proponent: Marianne Marcoux
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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
Kinngait	Researching	Marine	Baffinland shipping operations will begin in the area in the next few years.	None known	Within 200 km of Kinngait, conducting day trips from the community.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Cape Dorset	Annie Suvega	Aiviq Hunters and Trappers Organization	2024-03-01

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Hunters and Trappers Associations/Organizations	Support letter from the Aiviq Hunters and Trappers Organization (Kinngait) for community-led fieldwork on walrus (tagging, biopsy, and imagery collection).	Active	2024-04-23	
Hunters and Trappers Associations/Organizations	Support letter from the Aiviq Hunters and Trappers Organization (Kinngait) for community-led fieldwork on beluga (tagging, biopsy, and imagery collection).	Applied, Decision Pending		
Fisheries and Oceans Canada	License to fish for scientific purposes (needed for tagging)	Applied, Decision Pending		
Fisheries and Oceans Canada	Authorization to Disturb a Marine Mammal	Not Yet Applied		
Fisheries and Oceans Canada	Approval of Animal Use Protocol	Not Yet Applied		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Water	Motor boats will be used during day trips from the community	

Project accomodation types

Community

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Drones	2	3.8 x 3.6 x 8.7	Will be flown by licensed pilots to collect information on beluga and walrus diving behaviour and body condition
Air rifle	2	42.5x3	To collect biopsy samples
Crossbow	2	15x20	To deploy satellite telemetry tags
Camera	2	5x 4	To take time lapse images of walrus haul-outs
Boat	2	0x0	Boat dimension / driver will be determined by the Aiviq HTO

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Gasoline	fuel	2	205	410	Gallons	Boats needed for day trips

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
Information is not available				

Environmental Impacts:

No adverse environmental impacts are expected based on this project.

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

No adverse effects are expected based on this project.

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Monitoring walrus and beluga is especially important because Baffinland Iron Mines plans to ship ore from its Mary River mine on Baffin Island using a railway south to Steensby Inlet. This will include an all-season deep-water port, and ice-breaking ore carriers travelling through Foxe Basin and Hudson Strait. This project is important for gathering baseline data on marine mammals in Hudson Strait.

Identification of Impacts and Proposed Mitigation Measures

This project is a collaboration with the HTO, ongoing discussions and joint planning will ensure timing of this study does not coincide with the subsistence hunt.

Cumulative Effects

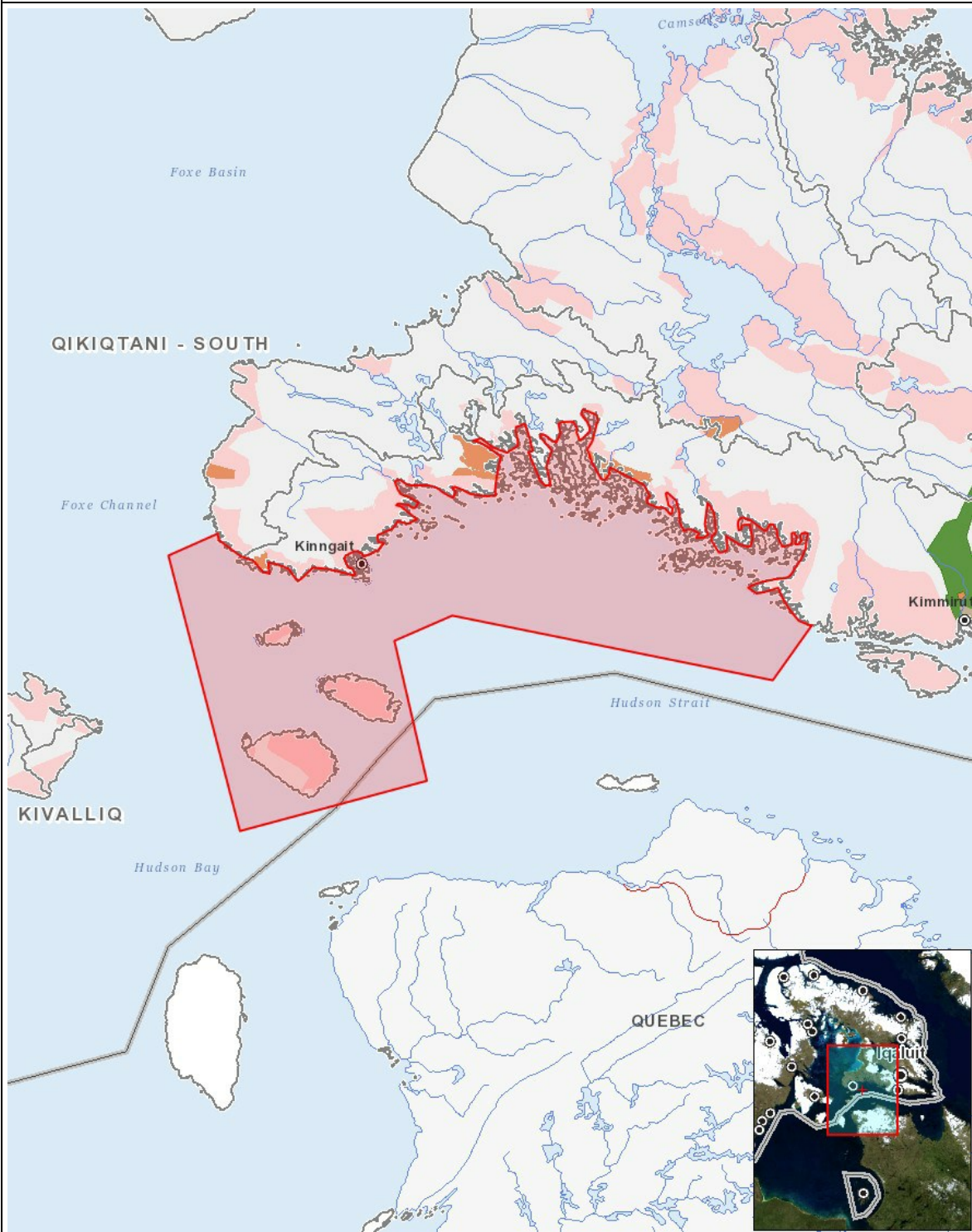
Impacts

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																									
Researching		-	-	-	-	-	-	-	-	-	-	-	-								P	-	-	-	
Decommissioning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Project Location



List of Project Geometries

1	polygon	Kinngait
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