



NIRB Application for Screening #125788

Baseline monitoring at Ninginganiq NWA

Application Type: New

Project Type: Scientific Research

Application Date: 4/4/2023 2:36:02 PM

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

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

Project Proponent: Shari Fox
Ittaq Heritage and Research Centre
P.O. Box 150
Clyde River NU X0A 0E0
Canada
Phone Number:: 8672232006, Fax Number::

DETAILS

Non-technical project proposal description

English: The goal of this project is to run a pilot study to conduct baseline documentation of cultural sites in Ninginganiq NWA and explore what kinds of monitoring may be suitable to be conducted on a semi-regular basis by Inuit researchers and hunters from Clyde River, NU. Objectives include: 1) Collect baseline data about key environmental attributes and cultural sites in Ninginganiq NWA 2) Provide training and experience for Ittaq staff and community participants on how to collect high-quality environmental/cultural monitoring data. 3) Collect data for use in the development of a Ninginganiq NWA page in the Clyde River Atlas.

French: L'objectif de ce projet est de mener une étude pilote pour effectuer une documentation de base des sites culturels dans la RNF de Ninginganiq et explorer quels types de surveillance pourraient être effectués sur une base semi-régulière par des chercheurs et des chasseurs inuits de Clyde River, au Nunavut. Les objectifs sont les suivants :1) Recueillir des données de référence sur les principaux attributs environnementaux et sites culturels de la RNF de Ninginganiq2) Fournir une formation et de l'expérience au personnel d'Ittaq et aux participants de la communauté sur la façon de recueillir des données de surveillance environnementale / culturelle de haute qualité.3) Recueillir des données qui pourraient être utilisées dans l'élaboration d'une page sur la RNF de Ninginganiq dans l'Atlas de la rivière Clyde.

[illegible]

Personnel

Personnel on site: 18

Days on site: 21

Total Person days: 378

Operations Phase: from 2023-05-01 to 2025-10-01

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Anywhere within the Ninginganiq NWA	Researching	Marine	N/A	N/A	Within Nininganiq. Between Clyde River and Qikiqtarjuaq

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Clyde River	Shari Fox	Ittaq Heritage and Research Centre	2023-03-31
Clyde River	Danika Hogan	ACMC	2023-03-01

Authorizations

Indicate the areas in which the project is located:

North Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Canadian Wildlife Service	NWA permit	Active		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	helicopter	
Land	skidoos	

Project accomodation types

Temporary Camp

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Skidoo	up to 10	n/a	Transport to the area
Skidoo, helicopter, drone	up to 12	n/a	Transport to the area. Depending on season and availability (ie. helicopter only if funding and if available)1-2 Mavic 3 drones to take photos and videos of landscape, environment, cultural sites for baseline documentation Number of skidoos depends on number of participants in the project
Tent	4	8x8	sleeping
rifles	10	n/a	bear safety; hunting

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	5	10	Gallons	Fuel for skidoos 10 gal per skidoo, 12 skidoos
None	hazardous	0	0	0	Cubic ft	n/a

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	Obtain from Lake water for camp purposes	Nearest lake or river that is useable

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Camp	Greywater	10 L/dat	Dispose of in upland area 100m away from water sources	N/A
Camp	Non-Combustible wastes	10 bags total	Pack out of NWA to nearest community	N/A
Camp	Sewage (human waste)	18 people	Individuals dig a hole and bury their waste at least 100m from nearest water source. Paper products will be packed out or burned.	N/A

Environmental Impacts:

This project will have minimal impacts to wildlife, however, there is a chance that activities could disturb/modify behavior of any wildlife in the area. Helicopters may disturb animals when used to travel from point to point in the NWA. This disturbance will be minimized by flying high when going from point to point (and safe to do so), and by avoiding landing near animals whenever possible; the helicopter will not chase any wildlife. Travel over land may disturb animals and make them flee the area. This disturbance will be short-lived and monitors will not chase animals while traveling. When taking photographs or drone footage drone operators will follow guidelines specified by the ACMC and as described below. Drones will be used to image cultural sites, landscapes, not wildlife directly. We will be camping in the NWA for up to 3 weeks with up to 18 people (number depends on number of students that sign up for training program). All lead participants have experience with camping on the land and safe camp practices regarding wildlife and will take necessary precautions to avoid human-wildlife conflict, however, we will be carrying firearms for wildlife protection and will use these if absolutely required to keep people safe from threatening wildlife (e.g. bears). This could result in death of nuisance wildlife. We will have non-lethal deterrents available for use in any human-wildlife conflicts. Polar Bear, peregrine falcons, Ivory Gull, Ross' Gull, and Red Knots potentially occur or are known to occur in the NWA and are listed under schedule 1 of SARA. Monitors could potentially disturb individuals of these species, and in the unlikely event of an accident, conveyances could potentially disturb/detroy habitat of these species. These potential risks will be mitigated as described above.

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

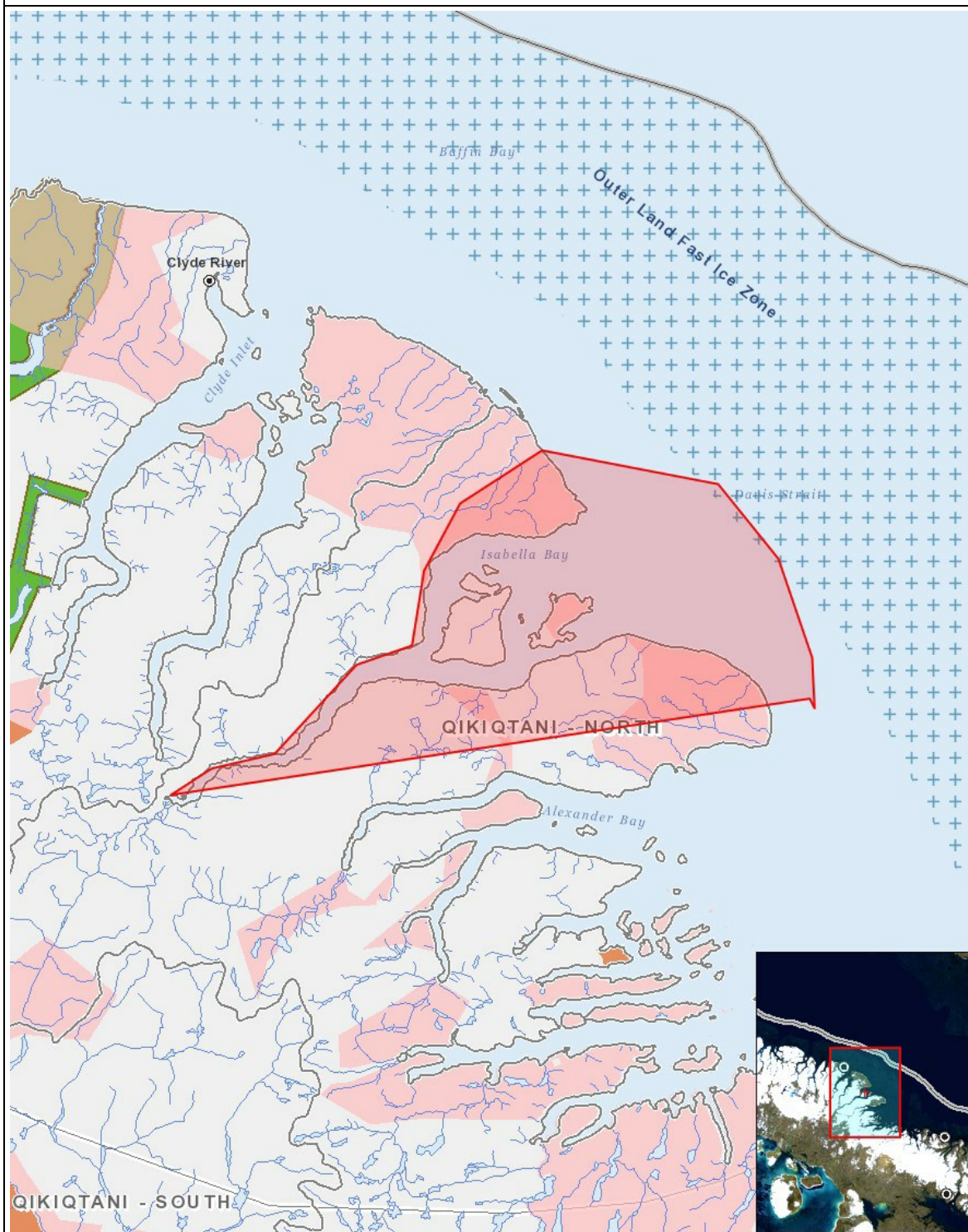
Identification of Environmental Impacts

			PHYSICAL												BIOLOGICAL												SOCIO-ECONOMIC											
			Designated environmental areas												Vegetation												Archaeological and cultural historic sites											
			Ground stability												Wildlife, including habitat and migration patterns												Employment											
			Permafrost												Birds, including habitat and migration patterns												Community wellness											
			Hydrology / Limnology												Aquatic species, incl. habitat and migration/spawning												Community infrastructure											
			Water quality												Wildlife protected areas												Human health											
			Climate conditions												Vegetation												Archaeological and cultural historic sites											
			Eskers and other unique or fragile landscapes												Wildlife, including habitat and migration patterns												Employment											
			Surface and bedrock geology												Birds, including habitat and migration patterns												Community wellness											
			Sediment and soil quality												Aquatic species, incl. habitat and migration/spawning												Community infrastructure											
			Tidal processes and bathymetry												Wildlife protected areas												Human health											
			Air quality												Vegetation												Archaeological and cultural historic sites											
			Noise levels												Wildlife, including habitat and migration patterns												Employment											
			BIOLOGICAL												SOCIO-ECONOMIC												Archaeological and cultural historic sites											
			Vegetation												Wildlife, including habitat and migration patterns												Employment											
			Wildlife, including habitat and migration patterns												Aquatic species, incl. habitat and migration/spawning												Community wellness											
			Wildlife protected areas												Wildlife protected areas												Community infrastructure											
			SOCIO-ECONOMIC												Wildlife protected areas												Human health											
			Archaeological and cultural historic sites												Wildlife protected areas												Human health											
			Employment												Wildlife protected areas												Human health											
			Community wellness												Wildlife protected areas												Human health											
			Community infrastructure												Wildlife protected areas												Human health											
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Construction																										
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Operation																										
Researching			-	-	-	-	-	-	-	-	-	-	-	M		-	M	-	-	-	-		P	P	-	-
Decommissioning																										
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(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	polygon	Anywhere within the Ninginganiq NWA
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