



## **NIRB Application for Screening #125793 High Arctic Cetacean Survey 2023**

**Application Type:** New

**Project Type:** Scientific Research

**Application Date:** 4/6/2023 3:43:35 PM

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

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

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pidjutiginiqtaut kitut kinguani naunaiyaqtauyut hapkununga pihimayainun uvani 2013mi, ilaublugit kangiqhidjutit uvalu ilihimayatit hapkununga nunallaani Anguniaqtit Katimayit tapkua qiniqtauyut katimatilugit uvani Ubluqtuhivia 2020, uvalu satellite telemetry natqait hamanga 2012-2018 ihumaliugutikhat angiyumik-atungnikkut nayugait. Ihivriudjutikhangit tingminiaqtun talvani DeHavilland Twin Ottermi (DH-6) piqaqtun puptalaanik igalaarnik piksaliurutmiklu piksaliurutmik. Qaliriiknigit piksat piyauniaqt nalruyunik 610-miitamik (2000 ft). Malruk piksaliutit auladjutait iliuraqtauniaqtut uvani twin otter piksaliut. Tamangnik hanaqidjutikharnik piqarniaqtun Nikon D850nik piksaliurutmik, Garmin GPSnik iglukharnik qaritauyangniklu qaritauyangnik. Nunamiutanik ilidjuhikgivaqgainik piksaliukhimayunik tutkikhaktulutik mikharut laptop nik havakhikhimayunik uvunulu kinikhianikmun ihiviuktauyukhanik tamainik taryumiutanik nirgitinik takungnakpaktukhanik talvanga ihiviukhinikmun naunaiyainikmun naunaitkutakhanik. Una naunaiyaut tunihiniaqtuq nutaanguqtiqhimayunik amigainiit itqungniarutit tamainun Kanatami Qikiqtaalungmi narwhalnik, Cumberland Soundmi qilalukkat, kivataanilu Kanatami-Kalaaliit arvit. Nuutaanguqtiqhimayut amigaitilaangit nallautiqhimayut piqaqtukhat naunaiyaiyaangat atuqtauhiimaagiaqaqtunik anguniaqtakharnik Nunavunmi.

### **Personnel**

Personnel on site: 16

Days on site: 22

Total Person days: 352

Operations Phase: from 2023-08-04 to 2023-08-25

## Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Jones Sound	Scientific/International Polar Year Research	Inuit Owned Surface Lands	N/A	N/A	Grise Fiord, Nunavut
Norwegian Bay	Scientific/International Polar Year Research	Inuit Owned Surface Lands	N/A/	N/A	Grise Fiord, Nunavut
Foxe Basin	Scientific/International Polar Year Research	Inuit Owned Surface Lands	N/A	N/A	Sanirajak, Nunavut
East Baffin Island/Somerset	Scientific/International Polar Year Research	Inuit Owned Surface Lands	N/A	N/A	Resolute Bay, Arctic Bay, Pond Inlet, Clyde River, Qikiqtarjuaq, Pangnirtung, Taloyoak

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Clyde River	James Arreak	Nangmoutaq Hunters and Trappers Organization	2022-12-21
Arctic Bay	Amy Barnabas	Ikajutit Hunters & Trappers Association	2022-12-21
Hall Beach	Lizzie	Sanirajak Hunters and Trappers Association	2022-12-21
Pond Inlet	Jennifer	Mittimatalik Hunters & Trappers Organization	2022-12-21
Qikiqtarjuaq	Martha Nuqingaq	Nattivak Hunters & Trappers Organization	2022-12-21
Resolute Bay	Nancy Amarualik	Resolute Bay Hunters & Trappers Organization	2022-12-21
Pangnirtung	Mark Kilabuk	Pangnirtung Hunters & Trappers Organization	2022-12-21
Grise Fiord	Louisa	Iviq Hunters & Trappers Association	2022-12-21
Taloyoak	Jimmy Oleekatalik	Spence Bay Hunters and Trappers Organization	2022-12-21

## Authorizations

Indicate the areas in which the project is located:

Transboundary  
 Kitikmeot  
 Kivalliq  
 North Baffin  
 South Baffin

### Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Hunters and Trappers Associations/Organizations	Letters of support have been received from five of the nine Hunters and Trappers Organizations to date.	Active	2023-04-01	2024-04-01
Hunters and Trappers Associations/Organizations	We are waiting for letters of support from four of the nine Hunters and Trappers Organizations. One has provided verbal support but not a letter yet. Three have no yet reviewed or responded.	Applied, Decision Pending		
Canadian Wildlife Service	NWA and MBS applications have been submitted.	Applied, Decision Pending	2023-01-27	
Qikiqtani Inuit Association	NWA and MBS applications have been submitted.	Applied, Decision Pending	2023-01-25	

### Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Twin otters will be used to fly systematic survey lines.	

### Project accomodation types

Community

## Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Twin otter airplane: DeHavilland Twin Otter (DH-6)	4	wingspan 65ft	We will use 4 twin otters to fly transect lines over survey strata across the Canadian Arctic.

## Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Aviation fuel	fuel	45	205	9225	Liters	Fuel will be cached by PCSP at airstrips prior to the survey.

## 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
Aerial surveys	Sewage (human waste)	5L	Left on the land	People may need to go to the washroom while landing to refuel.

### Environmental Impacts:

There will be no environmental impacts on the land as we will use already demarcated landing strips where fuel is regularly cached. There will be minimal noise disturbance to wildlife as we fly at an altitude of 1000-2000ft.

# **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**

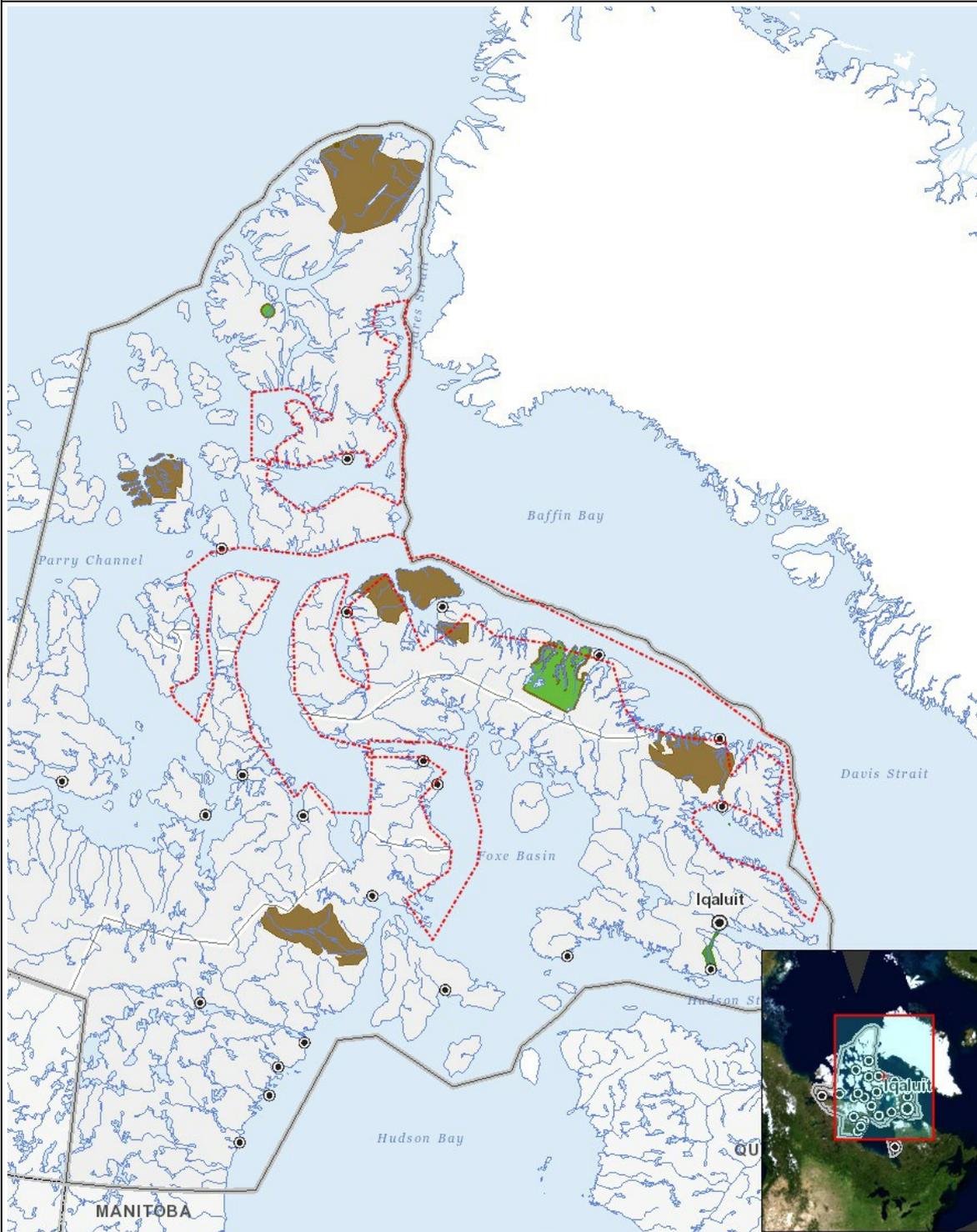
# Impacts

## 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
<b>Construction</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Operation</b>																									
Scientific/International Polar Year Research			-	-	-	-	-	-	-	-	-	-	N	N		-	-	-	-			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	Jones Sound
2	polyline	Norwegian Bay
3	polyline	East Baffin Island/Somerset
4	polyline	Foxe Basin