

**Demande de la CNER faisant l'objet d'un examen préalable #125597**  
**Northern Fulmar and Thick-billed Murre surveys and collections**

# DÉTAILS

## Description non technique de la proposition de projet

Anglais: see attached

Français: see attached

Inuktitut: see attached

## Personnel

Personnel on site: 7

Days on site: 5

Total Person days: 35

Operations Phase: from 2021-07-05 to 2021-07-09

Operations Phase: from 2021-07-05 to 2021-09-15

Closure Phase: from 2021-09-12 to 2021-09-15

Post-Closure Phase: from to

## Activités

Emplacement	Type d'activité	Statut des terres	Historique du site	Site à valeur archéologique ou paléontologique	Proximité des collectivités les plus proches et de toute zone protégée
Prince Leopold Island Migratory Bird Sanctuary - Northern Fulmar Colony aerial survey and AIS station installation	Aerial surveys	Crown	Migratory Bird Sanctuary. Prince Leopold Island is the single most important seabird monitoring site in the Canadian Arctic and it has been surveyed since the 1970s.	No known archeological sites.	Prince Leopold Island is a Migratory Bird Sanctuary.
Prince Leopold Island Migratory Bird Sanctuary - Northern Fulmar Colony aerial survey and AIS station installation	Equipment installation	Crown	N/A	N/A	N/A
Cape Liddon - Northern Fulmar Colony aerial survey only	Aerial surveys	Crown	The cliffs of Cape Liddon support a Northern Fulmar colony for which the numbers of nesting birds have variously been estimated at 1000 - 10,000 pairs. The most recent and systematic survey in 2002 estimated 7000 pairs, 4% of the Canadian population.	No known archeological sites.	close to Resolute Bay and Prince Leopold Island Migratory Bird Sanctuary
Hobhouse Inlet - Northern Fulmar Colony aerial survey only	Aerial surveys	Crown	Hobhouse Inlet supports a large northern fulmar colony, estimated at 75,000 pairs in 1972, but reassessed systematically in 2001 and estimated at 15,000 pairs or 9% of the Canadian population.	No known archeological sites.	close to Resolute Bay, Prince Leopold Island Migratory Bird Sanctuary, Arctic Bay and Simmilik National Park
Baillarge Bay - Northern Fulmar Colony aerial survey only	Aerial surveys	Crown	A major northern fulmar colony breeds along 16 km of rugged, incised cliffs between Ballarge Bay and Elwin Inlet on the eastern shore of Admiralty	No known archeological sites.	40 km north of Actic Bay, within Simmilik National Park

			Inlet. This colony has been estimated 10,00 and 100.000 pairs, although systematic surveys undertaken in 2002 suggested 20,000 pairs of fulmars, representing 11% of the Canadian populations.		
Princess Charlotte Monument - Northern Fulmar Colony aerial survey only	Aerial surveys	Crown	Is in Nirjutiqarvik National Wildlife Area, the Thick-billed Murre and northern fulmar colony has not been surveyed recently and new population estimates are required for the NWA management plan	Princess Charlotte Monument has no known Archeological sites	nearest community is Grise Fjord, Princess Charlotte Monument is located within Nirjutiqarvik NWA.
Cape Vera - Northern Fulmar Colony aerial survey only	Aerial surveys	Crown	An estimated 11,00 pairs of northern fulmars nest at Cape Vera, representing 6% of the Canadian population. this site has been surveyed for decades as is has an important breeding colony	No known archeological sites.	Halfway between Grise Fiord and Resolute Bay.
Fuel Cache	Fuel and chemical storage	Crown	Previously used to cache fuel for aerial surveys	No known archeological sites.	Halfway between Grise Fiord and Resolute Bay
Fuel Cache	Fuel and chemical storage	Crown	Previously used to cache fuel for aerial surveys	o known archeological sites.	Halfway between Resolute Bay and Arctic Bay, close to PLI MBs

#### Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Resolute Bay	Steve Piercey	Hamlet of Resolute Bay	2021-02-24

## Autorisations

Indiquez les zones dans lesquelles le projet est situé:

North Baffin

### Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Environment and Climate Change Canada	Canadian Wildlife Service Migratory Bird Sanctuary and National Wildlife Area access permit.	Applied, Decision Pending		
Gouvernement du Nunavut, ministère de l'Environnement	Nunavut wildlife research permit.	Applied, Decision Pending		
Hamlets and Municipalities	Authorization for researchers to travel to the community.	Active	2021-02-24	

### Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Air	Surveys will be conducted by helicopter flying at 20 km/h in order to take photographs of the colonies. To install the AIS station at PLI MBS a twin otter will transport personel and matireals to the site.	

### Project accomodation types

Autre,

## Utilisation de matériel

Équipement à utiliser (y compris les perceuses, les pompes, les aéronefs, les véhicules, etc.)

Type d'équipement	Quantité	Taille – Dimensions	Utilisation proposée
Twin Otter	1	20M	Drop off fuel cache
Helicopter (Bell 206L or similar)	1	32.4ft	aerial surveys, we will maintain distances that have been demonstrated to minimize disturbance while still allowing accurate counts to be obtained. The flight path will be planned to minimize the amount of time spent in the protected areas while enabling a complete survey of the relevant colonies.

Décrivez l'utilisation du carburant et des marchandises dangereuses

Décrivez l'utilisation de carburant :	Type de carburant	Nombre de conteneurs	Capacité du conteneur	Quantité totale	Unités	Utilisation proposée
Aviation fuel	fuel	6	45	270	Gallons	Fuel caches will be located at Cape Vera (2 drums) and Whaler Point (4 drums), and should be in position for only 2-3 weeks

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
0		

# Déchets

## Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Equipment installation	Déchets non combustibles	10 lbs	will remove by twin otter	will remove by twin otter

## Répercussions environnementales :

During colony surveys, we will maintain distances that have been demonstrated to minimize disturbance while still allowing accurate counts to be obtained. The flight path will be planned to minimize the amount of time spent in the protected areas while enabling a complete survey of the relevant colonies. All surveys will be completed by helicopter, and we do not plan to land at the colonies. If landing is required, the area will be observed first to ensure that no bears, caribou, etc are in the immediate vicinity and the helicopter will land away from nesting areas, to the extent that is feasible. The AIS station installation will occur at the cabin site which is set back from the nesting cliffs. therefore we expect there to be no adverse effects on the colony.

# **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 de l'environnement existant : Environnement physique**

**Description de l'environnement existant : Environnement biologique**

**Description de l'environnement existant : Environnement socio-économique**

**Miscellaneous Project Information**

**Identification des répercussions et mesures d'atténuation proposées**

**Répercussions cumulatives**

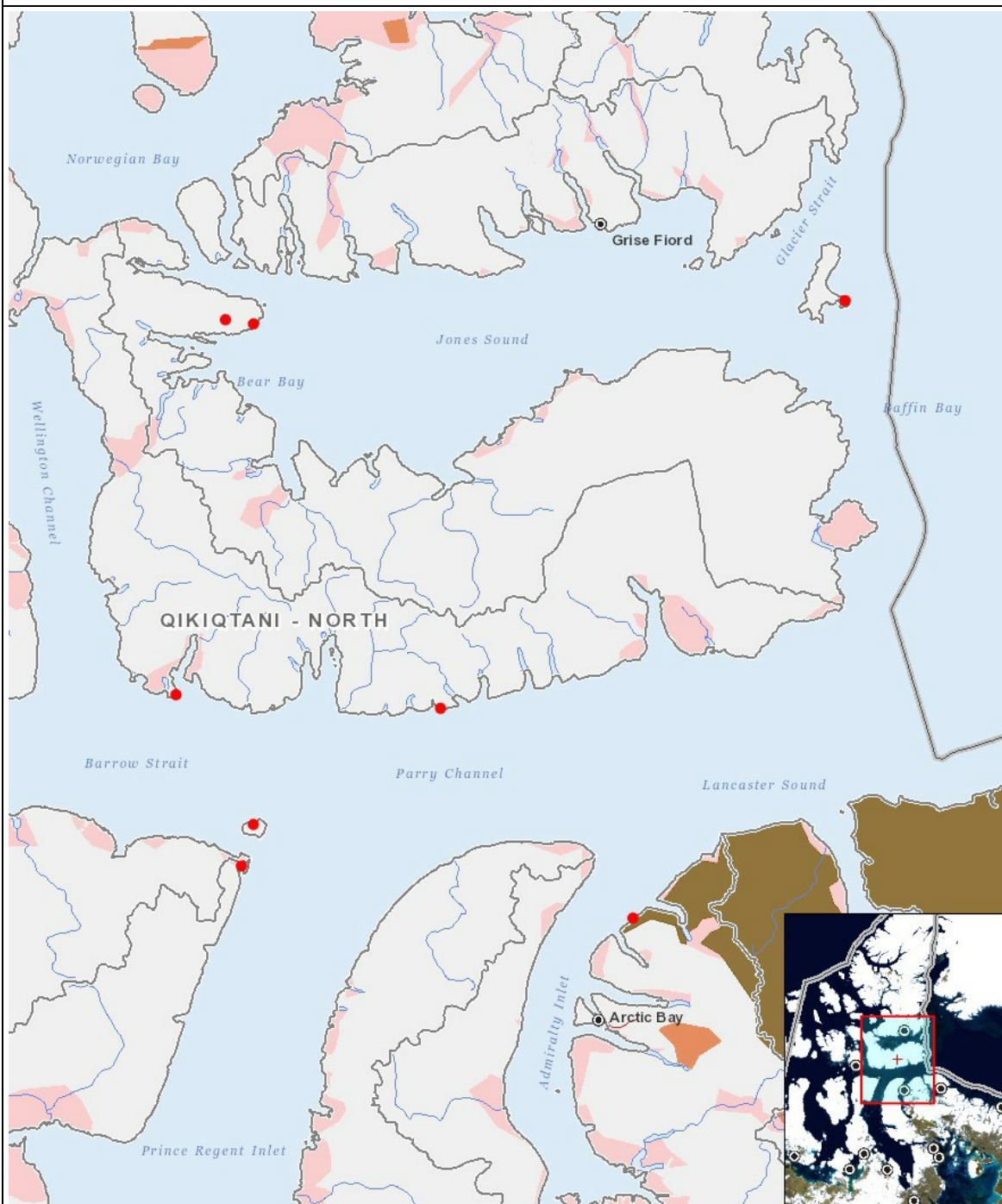
# Impacts

## Identification des répercussions environnementales

	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																									
Equipment installation		-	-	-	-	-	-	-	-	-	-	-	-		M	M	M	-	M		-	P	-	-	-
Fuel and chemical storage		-	-	-	-	-	-	-	-	-		M	M		M	M	M	-	-		-	-	-	-	-
Exploitation																									
Aerial surveys		-	-	-	-	-	-	-	-	-	-	N	N		-	M	M	-	N		-	-	-	-	-
Equipment installation		-	-	-	-	-	-	-	-	-	-	-	-		-	P	P	-	P		-	-	-	-	-
Fuel and chemical storage		-	-	-	-	-	-	-	-	-	-	-	-		M	-	-	-	-		-	-	-	-	-
Désaffectation																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)

## Site du projet



## Liste des géométries de projet

- 1 point Prince Leopold Island Migratory Bird Sanctuary - Northern Fulmar Colony aerial survey and AIS station installation
- 2 point Cape Liddon - Northern Fulmar Colony aerial survey only
- 3 point Hobhouse Inlet - Northern Fulmar Colony aerial survey only
- 4 point Baillarge Bay - Northern Fulmar Colony aerial survey only
- 5 point Cape Vera - Northern Fulmar Colony aerial survey only
- 6 point Fuel Cache
- 7 point Fuel Cache
- 8 point Princess Charlotte Monument - Northern Fulmar Colony aerial survey only