



Demande de la CNER faisant l'objet d'un examen préalable #126035

IceBird Winter 2025

Type de demande : New

Type de projet: Scientific Research

Date de la demande : 1/20/2025 1:54:04 PM

Period of operation: from 2025-03-25 to 2027-05-30

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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
Cambridge Bay	Aerial surveys	Marine	n/a	n/a	> 35 km
Resolute Bay	Aerial surveys	Marine	n/a	n/a	> 10 km
Pond Inlet	Aerial surveys	Marine	n/a	n/a	5 km
Qikiqtarjuaq	Aerial surveys	Marine	n/a	n/a	5 km
Eureka	Aerial surveys	Marine	n/a	n/a	> 400 km

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Cambridge Bay	Daniel Kramer, U Sherbrooke	HTC	2025-02-13
Cambridge Bay	Trevor Bell	SmartIce	2025-02-03
Resolute Bay	Sheldon Oqallak	Bear monitor	2025-02-27
Pond Inlet	Andrew Arreak	SmartIce	2024-12-09
Qikiqtarjuaq	David Iqqaqsaq	SmartIce	2024-12-09

Autorisations

Indiquez les zones dans lesquelles le projet est situé:

Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Institut de recherche du Nunavut	Research license from NRIPreviously 0201924R-M	Applied, Decision Pending		

Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Air	Airborne sea ice surveys with own DC3/Basler	

Project accomodation types

Collectivité

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
Basler BT-67 (DC3) airplane	1	N/A	Research flights and ferrying equipment & passengers

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	1	16000	16000	Liters	For survey flights. Fuelling will take place at local community airports YCB, YRB

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
Information is not available				

Répercussions environnementales :

Our surveys take place at 200, 1100, and 1500 ft flying altitude, with a speed of 120 knots. The only impact is short-term noise from the aircraft, particularly during the overflight at 200 ft. However, noise is limited due to the fact that only one overflight takes place at any location as the low altitude surveys take place along extended single lines. For the larger altitudes, aircraft presence is limited to a maximum of several overflights during one hour, and only on one day. The impact of these flights is minimal and we have permission to carry them out even in Antarctica where the strictest environmental requirements worldwide exist. Nothing will be left in the environment, potentially resulting garbage will be returned and disposed in communities (with our accommodations) or taken with us out of Nunavut.

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

We continue to intend to carry out surveys in all the following places/communities:- Resolute Bay- Pond Inlet- Cambridge Bay- Qikiqtarjuaq,- Eureka, and- AlertWe plan to carry out such surveys for at least another two years (note that we have been doing this at least since 2017, in continuation of the surveys I started as a Canada Research Chair in 2007), and therefore it would be great to approve the project for five years and to renew it on an annual basis during that time.

Identification des répercussions et mesures d'atténuation proposées

Répercussions cumulatives

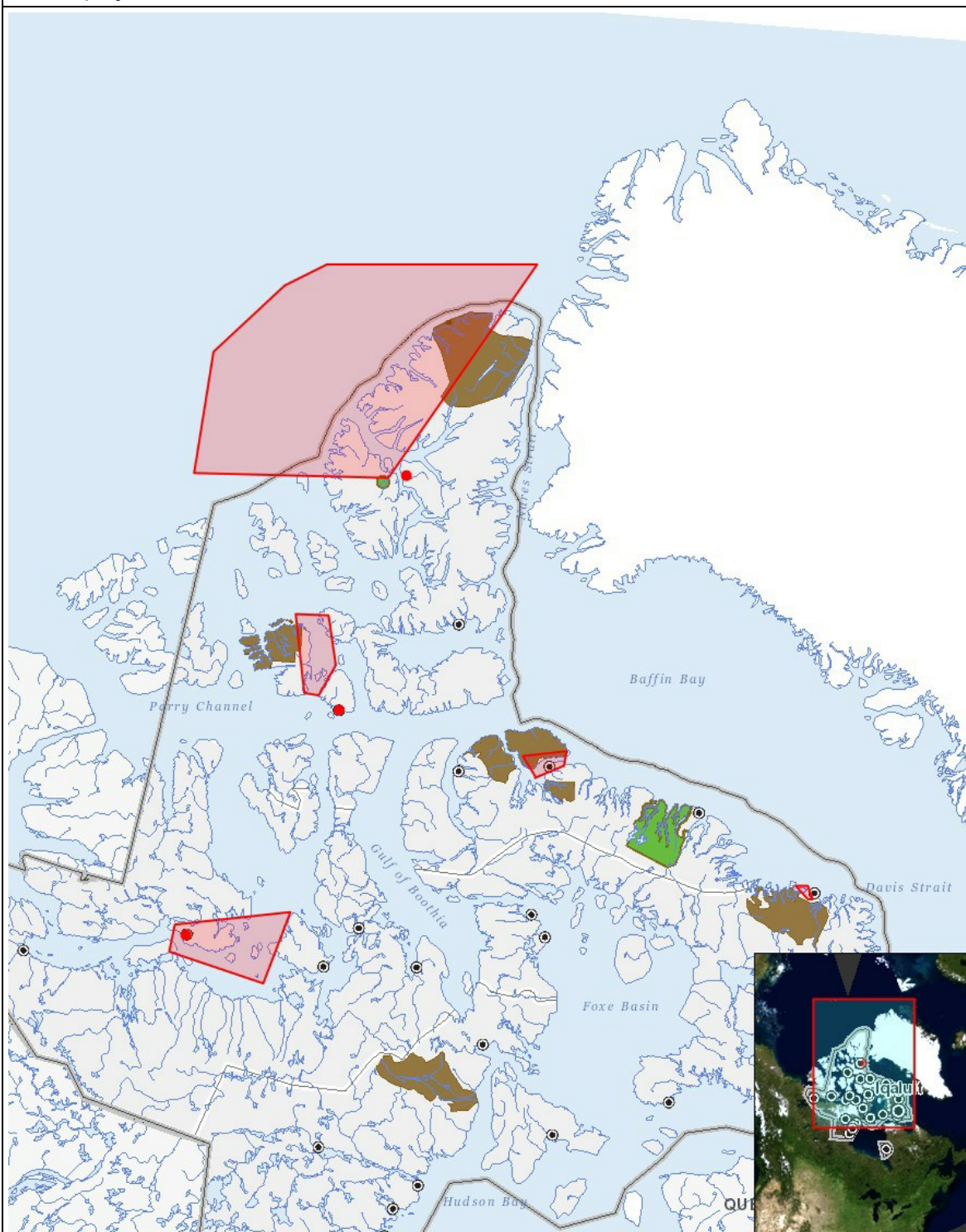
Impacts

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																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Exploitation																									
Aerial surveys		M	U	U	-	U	U	U	U	U	U	M	M		U	M	M	U	M		U	P	P	U	U
Désaffectation																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

Site du projet



Liste des géométries de projet

1	polygon	Last Ice Area
2	polygon	Victoria Strait
3	polygon	Penny Strait
4	polygon	Pond Inlet
5	polygon	Qikiqtarjuaq
6	point	Eureka
7	point	Resolute Bay
8	point	Cambridge Bay