



## Demande de la CNER faisant l'objet d'un examen préalable #125655 Shift-eDNA

**Type de demande :** New  
**Type de projet:** Scientific Research  
**Date de la demande :** 2/4/2022 10:43:58 AM  
**Period of operation:** from 0001-01-01 to 0001-01-01  
**Autorisations proposées:** from 0001-01-01 to 0001-01-01  
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ԱՐԵՐԱԿՆԵՐԸ ՎԵՐԱԿՑՈՒՅՆ. ՀԱԼԱԴԱՐԸ, ՄՆԱԴՐԵՆԵՐԸ > ՀՅ ԿԱՐՏՏԸ ԲԻՇԽԱՐԸ  
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## Personnel

Personnel on site: 7

Days on site: 60

Total Person days: 420

Operations Phase: from 2022-01-03 to 2022-06-01

Operations Phase: from 2022-07-01 to 2022-10-01

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
Sample 1 - Lady Ann Strait	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Sample 2 - Sirmilik	Scientific/International Polar Year Research	Marine	N/A	N/A	Sirmilik National ParkPond Inlet
Sample 3 - Paterson Inlet	Scientific/International Polar Year Research	Marine	N/A	N/A	Pond Inlet
Sample 4 - Isabella Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Clyde River
Sample 5 - Home Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Qikiktarjuaq
Sample 6 - Exeter Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Qikiktarjuaq
Sample 7 - Hoare Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Pangnirtung
Sample 8 - Outer Cumberland Sound	Scientific/International Polar Year Research	Marine	N/A	N/A	Pangnirtung
Sample 9 - Cyrus Field	Scientific/International Polar Year Research	Marine	N/A	N/A	Iqaluit
Sample 10 - Hudson Strait	Scientific/International Polar Year Research	Marine	N/A	N/A	Iqaluit
Sample 11 - Hospital Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Sample 12 - Sverdrup Channel	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Sample 13 - Aurland Fiord	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Sample 14 - Henson Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Sample 15 - Yelverton Bay	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Sample 16 - Ayles Fiord	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord / Quttinirpaaq National Park

## Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Clyde River	Joshua	Nangmautaq HTA	2022-01-19
Pond Inlet	Jennifer	Mittimalik HTO	2022-01-19
Iqaluit	amaruq@baffinhto.ca	Amaruq Hunters & Trappers Association	2022-01-19
Grise Fiord	gfiviq_hta@qiniq.com	Iviq Hunters & Trappers Association	2022-01-19
Pangnirtung	pang@baffinhto.ca	Pangnirtung Hunters & Trappers Organization	2022-01-19

Qikiqtarjuaq

nattivak\_hta@qiniq.com

Nattivak Hunters &  
Trappers Association

2022-01-19

## Autorisations

Indiquez les zones dans lesquelles le projet est situé:

North Baffin  
South Baffin

### Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Hunters and Trappers Associations/Organizations	I have contacted all concerned HTAs/HTOs and asked to consult with them. For now, I have received an answer from the Nangmautaq HTA, who said the board would review the project.	Applied, Decision Pending	2022-01-19	
Transports Canada	I have contacted both Transport Canada and Global Affairs, I am still waiting to see if I need a licence.	Not Yet Applied	2022-01-21	
Pêches et Océans Canada	I have contacted the Department of Fisheries and Oceans, who indicated we did not need a licence because we only filter seawater, we do not sample fish or fish parts.	Not Yet Applied	2022-01-05	

### Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Water	We will use a boat to go from Grise Fiord to Saint Pierre & Miquelon	

### 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
Sailing Boat	1	15.3x4.2m	The sailing boat will be used to transport our team from Grise Fiord to the southern parts of Nunavut.
Athena Peristaltic Pump	2	22x33x17 cm	The peristaltic pump is a pump used to filter DNA in surface waters, without any contamination.

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
Gasoline	fuel	1	4500	4500	Liters	In case of headwinds that would not let us sail

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
Waste disposal	Eaux usées (matières de vidange)	4 people / 1 month	Can be disposed either in the water or burned on land	-

### Répercussions environnementales :

Our protocol only requires to filter seawater, and thus produce no environmental impacts

# **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																	

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

## Site du projet



## Liste des géométries de projet

1	point	Sample 1 - Lady Ann Strait
2	point	Sample 2 - Sirmilik
3	point	Sample 3 - Paterson Inlet
4	point	Sample 4 - Isabella Bay
5	point	Sample 5 - Home Bay
6	point	Sample 6 - Exeter Bay
7	point	Sample 7 - Hoare Bay
8	point	Sample 8 - Outer Cumberland Sound
9	point	Sample 9 - Cyrus Field
10	point	Sample 10 - Hudson Strait
11	point	Sample 11 - Hospital Bay
12	point	Sample 12 - Sverdrup Channel

13	point	Sample 13 - Aurland Fiord
14	point	Sample 14 - Henson Bay
15	point	Sample 15 - Yelverton Bay
16	point	Sample 16 - Ayles Fiord