



## **Demande de la CNER faisant l'objet d'un examen préalable #125935**

### **Nirjutiqarvik National Wildlife Area Management**

**Type de demande :** New

**Type de projet:** Scientific Research

**Date de la demande :** 4/10/2024 2:57:49 PM

**Period of operation:** from to

**Autorisations  
proposées:** from to

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## 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                                 |
|---------------------------------------|-----------------|-------------------|--|--|--|
| Camp for field crew                   | Camp            | Crown             | NA   | Archeological site on the island but we are not camping near it. | Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area      |
| Dome shelter location                 | Camp            | Crown             | This dome shelter was built in the National Wildlife Area in 2023. | Archeological site on the island but not in this location.       | Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.     |
| Tentative location for AIS station    | Researching     | Crown             | Unkown   | Archeological site on the island but not in this location.       | Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.     |
| Princess Charlotte Monument (puffins) | Researching     | Crown             | Limited bird surveys in the past.                                  | Unkown   | Grise Fiord is the closest community. The work is closest to the Nirjutiqarvik National Wildlife Area. |
| Remote camera location                | Researching     | Crown             | Remote camera installed in 2023                                    | Archeological site on the island but not in this location.       | Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.     |
| Seabird colony                        | Researching     | Crown             | Limited bird surveys in the past.                                  | Archeological site on the island but not in this location.       | Grise Fiord is the closest community. The work is within the Nirjutiqarvik National Wildlife Area.     |

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

| Collectivité | Nom              | Organisme                            | Date de la prise de contact |
|--------------|------------------|--------------------------------------|-----------------------------|
| Grise Fiord  | Marty Kuluguqtuq | Nirjutiqarvik National Wildlife Area | 2023-07-01                  |

# 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 |
|------------------------------|-------------------------------|---------------------------|----------------------------------|-----------------|
| Service canadien de la faune | Scientific Permit             | Applied, Decision Pending |                                  |                 |
| Service canadien de la faune | National Wildlife Area Permit | Applied, Decision Pending |                                  |                 |

## Project transportation types

| Transportation Type | Utilisation proposée  | Length of Use |
|---------------------|---|---------------|
| Air                 | The crew will be transported to Nirjutiqarvik National Wildlife Area by Twin Otter. We will be using a helicopter for seabird colony surveys and transportation around the island for other work such as dome shelter maintenance and remote camera installation. |               |
| Water               | By zodiac   |               |
| Land                | On foot   |               |

## Project accomodation types

Temporary Camp

## 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   |
|-------------------|----------|---------------------|--|
| Bear fence        | 1        | 27ft x 27ft         | Electric bear fence to set up around camp for polar bear safety.   |
| Generator         | 1        | .                   | Honda 3000 IC W  |
| Tents             | 11       | Various sizes       | Separate tents to be used for cooking, sleeping, and gear storage, ranging in size from a 2-person sleeping tent to a larger cook tent.  |
| Boat              | 1        | 8ft                 | Inflatable 4-person zodiac to be used to survey nearby seabird colonies and transport crew   |
| Boat motor        | 1        | .                   | Yamaha 20hp outboard motor   |
| Vehicle           | 2        | .                   | Two Kawasaki ATVs to be used for traveling around the island. Will be removed when the crew departs.   |
| Twin Otter        | 2        | 20m                 | DHC6 (300) will be used to get crew and gear to Coberg Island. A Bell 206L (LR) will be used once on site to survey nearby seabird colonies and to transport crew to various work locations around the island. |
| Helicopter        | 1        | 32.4 ft             | A Bell 206L (LR) will be used once on site to survey nearby seabird colonies and to transport crew to various work locations around the island.  |

### 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                              |
|---------------------------------------|-------------------|----------------------|-----------------------|-----------------|--------|---|
| Propane                               | fuel              | 6                    | 20                    | 120             | Lbs    | Cooking food                                      |
| Gasoline                              | fuel              | 2                    | 200                   | 400             | Liters | For ATV, generator, boat.                         |
| Aviation fuel                         | fuel              | 6                    | 200                   | 1200            | Liters | Fuel for the helicopter. All fuel containers will |

|  |  |  |  |  |  |                                   |
|--|--|--|--|--|--|-----------------------------------|
|  |  |  |  |  |  | be removed when the crew departs. |
|--|--|--|--|--|--|-----------------------------------|

**Consommation d'eau**

| <b>Quantité quotidienne (m3)</b> | <b>Méthodes de récupération de l'eau proposées</b>                                   | <b>Emplacement de récupération de l'eau proposé</b> |
|----------------------------------|--|---|
| 0                                | Retrieval from rivers, streams, runoff from melting glacier using a water container. | Not yet determined                                  |

# Déchets

## Gestion des déchets

| Activités du projet | Type des déchets                 | Quantité prévue      | Méthode d'élimination  | Procédures de traitement supplémentaires |
|---------------------|----------------------------------|----------------------|--|--|
| Camp                | Eaux grises                      | 800                  | Dig a small pit and dispose the greywater there.   | Treat with lime.                         |
| Camp                | Eaux usées (matières de vidange) | 2 per person per day | Removal from the NWA using Go Anywhere Kit waste bags. They will be transported with our garbage back to the PCSP warehouse in Resolute. | NA                                       |

### Répercussions environnementales :

As we will monitor bird colonies, wildlife disturbance is a potential environmental impact of our activities as well as hydrocarbon spill from transportation and generator. Researchers on site will take all measures to reduce disturbance to a minimum (keeping distances, avoid encounters, reducing time of observation/disturbance). Participants in the work will be briefed to follow the same measures. Spill kits will be onsite. All garbage will be brought back to the community for proper managing.

# **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**

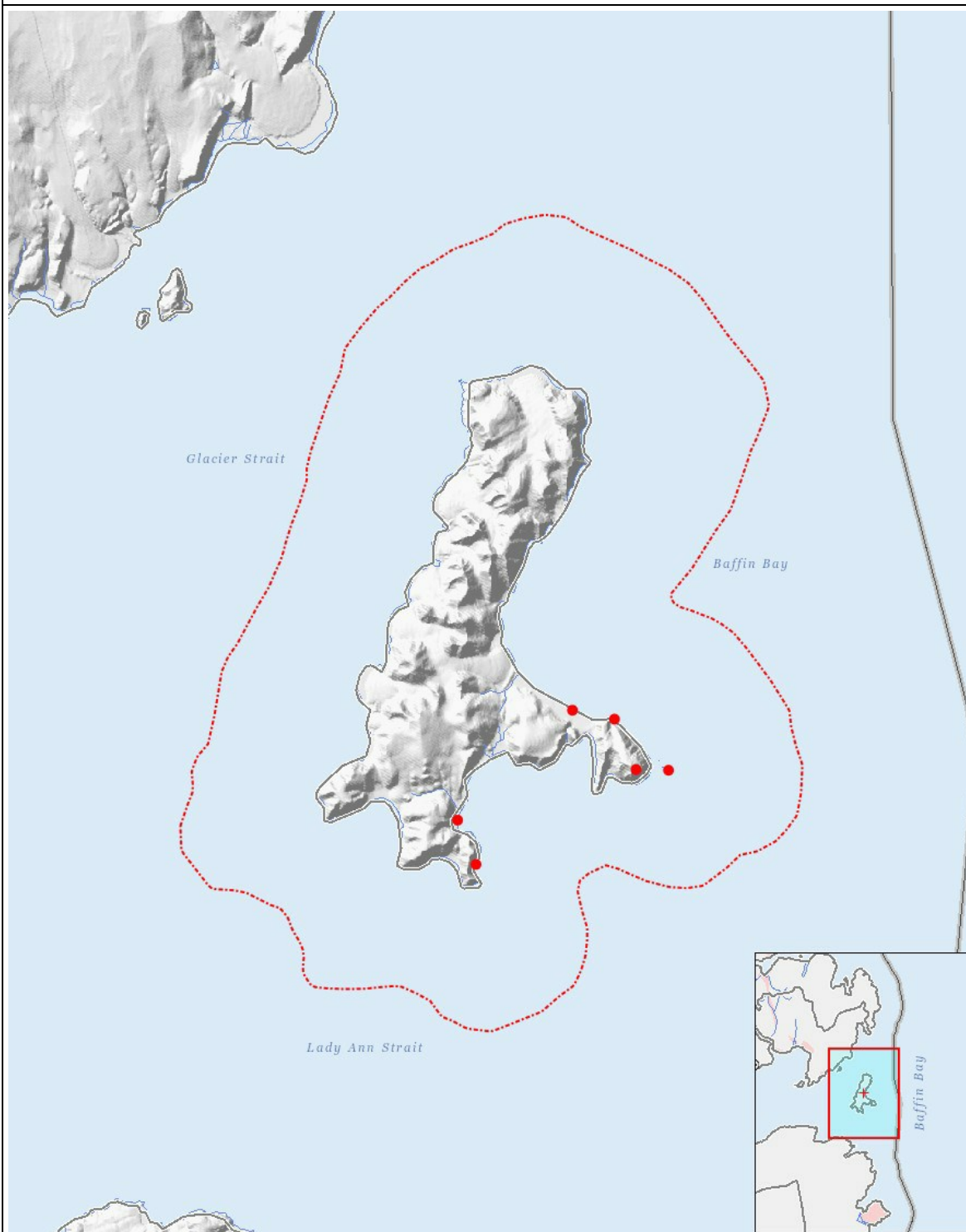
# Impacts

## 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 |
|-----------------------|----------|--------------------------------|------------------|------------|-----------------------|---------------|--------------------|---|-----------------------------|---------------------------|--------------------------------|-------------|--------------|------------|------------|--|---|---|--------------------------|----------------|--|------------|--------------------|--------------------------|--------------|
| <b>Construction</b>   |          |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| -                     | -        | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            | -          | -          | -  | -   | -   | -                        | -              | -  | -          | -                  | -                        | -            |
| <b>Exploitation</b>   |          |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| Camp                  | M        | U                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | M            | -          | M          | M  | -   | P   | -                        | -              | P  | P          | -                  | -                        | -            |
| Researching           | -        | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | N            | -          | M          | N  | M   | P   | -                        | -              | P  | -          | -                  | -                        | -            |
| <b>Désaffectation</b> |          |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| -                     | -        | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            | -          | -          | -  | -   | -   | -                        | -              | -  | -          | -                  | -                        | -            |

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

## Site du projet



## Liste des géométries de projet

- |   |          |                                       |
|---|----------|---------------------------------------|
| 1 | polyline | Map of Coburg Island                  |
| 2 | point    | Dome shelter location                 |
| 3 | point    | Camp for field crew                   |
| 4 | point    | Tentative location for AIS station    |
| 5 | point    | Princess Charlotte Monument (puffins) |
| 6 | point    | Remote camera location                |
| 7 | point    | Seabird colony                        |