



Operations Phase: from 2024-06-01 to 2024-08-31

## 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                     |
|--|-----------------|-------------------|--|--|--|
| Nanuit Itillinga cabin location                            | Camp            | Crown             | The cabin at this site is used frequently by community members, CWS, Parks Canada, and others.             | Unknown.                                       | Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay. |
| Seymour Island desired location for camera and ARU set up. | Researching     | Crown             | Has been infrequently visited for Ivory Gull colony research. Mainly just presence/absence data or counts. | Unknown  | Seymour Island is a migratory bird sanctuary. Closest community is Resolute Bay.           |
| Tentative Camera 1 Location NINWA                          | Researching     | Crown             | Unknown  | Unknown  | Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay. |
| Tentative Camera 2 Location NINWA                          | Researching     | Crown             | Unknown  | Unknown  | Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay. |
| Tentative Camera 3 Location NINWA                          | Researching     | Crown             | Unknown  | Unknown  | Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay. |
| Tentative Camera 4 Location NINWA                          | Researching     | Crown             | Unknown  | Unknown  | Located inside Nanuit Itillinga National Wildlife Area. Closest community is Resolute Bay. |

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

| Collectivité | Nom              | Organisme   | Date de la prise de contact |
|--------------|------------------|-------------|-----------------------------|
| Resolute Bay | Resolute Bay HTA | Baffin HTOs | 2024-04-22                  |

## 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                          | Application for a Migratory Birds Regulations Scientific Permit                       | Applied, Decision Pending |                                  |                 |
| Service canadien de la faune                          | Application for a National Wildlife Area and Migratory Bird Sanctuary Permit (Access) | Applied, Decision Pending |                                  |                 |
| Gouvernement du Nunavut, ministère de l'Environnement | Application for a GN Wildlife Research Permit   | Applied, Decision Pending |                                  |                 |

### Project transportation types

| Transportation Type | Utilisation proposée  | Length of Use |
|---------------------|---|---------------|
| Air                 | Bell 206L (LR) (Helicopter) will be used to transport the crew from resolute bay to Nanuit Itillinga NWA and Seymour Island MBS |               |
| Land                | On foot   |               |

### Project accomodation types

Temporary Camp

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  |
|-------------------|----------|---------------------|---|
| NWA Cabin         | 1        | Unknown             | There is a cabin in Nanuit Itillinga NWA. It will be used if the crew is grounded and must stay overnight for any reason.   |
| Helicopter        | 1        | 32.4 ft             | Bell 206L (LR) will be used to get from Resolute Bay (PCSP) and transport the crew to the locations of work. It will return the crew to Resolute Bay each day.  |
| Twin Otter        | 1        | 20 m                | To transport 7 drums of fuel from Resolute Bay to the Nanuit Itillinga cabin for fuel caching. This cache may be built in 2 trips anytime between June 1 and 30. Between July 17 and Aug 31, all fuel caches will be removed by twin otter in multiple trips. |
| Drone             | 1        | Unknown             | Aerial photography of areas surrounding the wildlife cameras and ARUs we propose to install in the NWA and MBS  |

## 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              | 2                    | 4                     | 8               | Gallons | Potentially to heat the cabin and use as a fuel source for cooking if the crew stays overnight in Nanuit Itillinga cabin. |
| Aviation fuel                         | fuel              | 7                    | 205                   | 1435            | Liters  | For use of the helicopter to travel to and from Nanuit Itillinga National Wildlife Area to Seymour Island (Naujavaat      |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  | Migratory Bird Sanctuary) and Resolute Bay. Will bring the crew back to Resolute each day. |
|--|--|--|--|--|--|--|

#### Consommation d'eau

| Quantité quotidienne (m3) | Méthodes de récupération de l'eau proposées  | Emplacement de récupération de l'eau proposé |
|---------------------------|--|--|
| 0                         | Only necessary if we are camping at the cabin in Nanuit Itillinga. Retrieval from nearby stream using a water container. | Not yet determined. May not be necessary.    |

# Déchets

## Gestion des déchets

| Activités du projet | Type des déchets                 | Quantité prévue      | Méthode d'élimination   | Procédures de traitement supplémentaires |
|---------------------|----------------------------------|----------------------|---|--|
| Camp                | Eaux grises                      | 60 L                 | This is only necessary if we end up camping at the Nanuit Itillinga cabin, but at the moment we are not sure we will camp there. If so, we will dispose of greywater by digging a small pit and disposing there. If we do not camp, we will not generate greywater.                               | With lime if greywater is generated.     |
| Camp                | Eaux usées (matières de vidange) | 2 per person per day | This is only necessary if we end up camping at the Nanuit Itillinga cabin, but at the moment we are not sure we will camp there. If we camp and generate waste, we remove from the NWA using Go Anywhere Kit waste bags. They will be transported with us back to the PCSP warehouse in Resolute. | NA                                       |

### Répercussions environnementales :

As we will be installing wildlife-monitoring equipment (cameras, ARUs), wildlife disturbance is a potential environmental impact of our activities as well as hydrocarbon spill from transportation by aviation. 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**

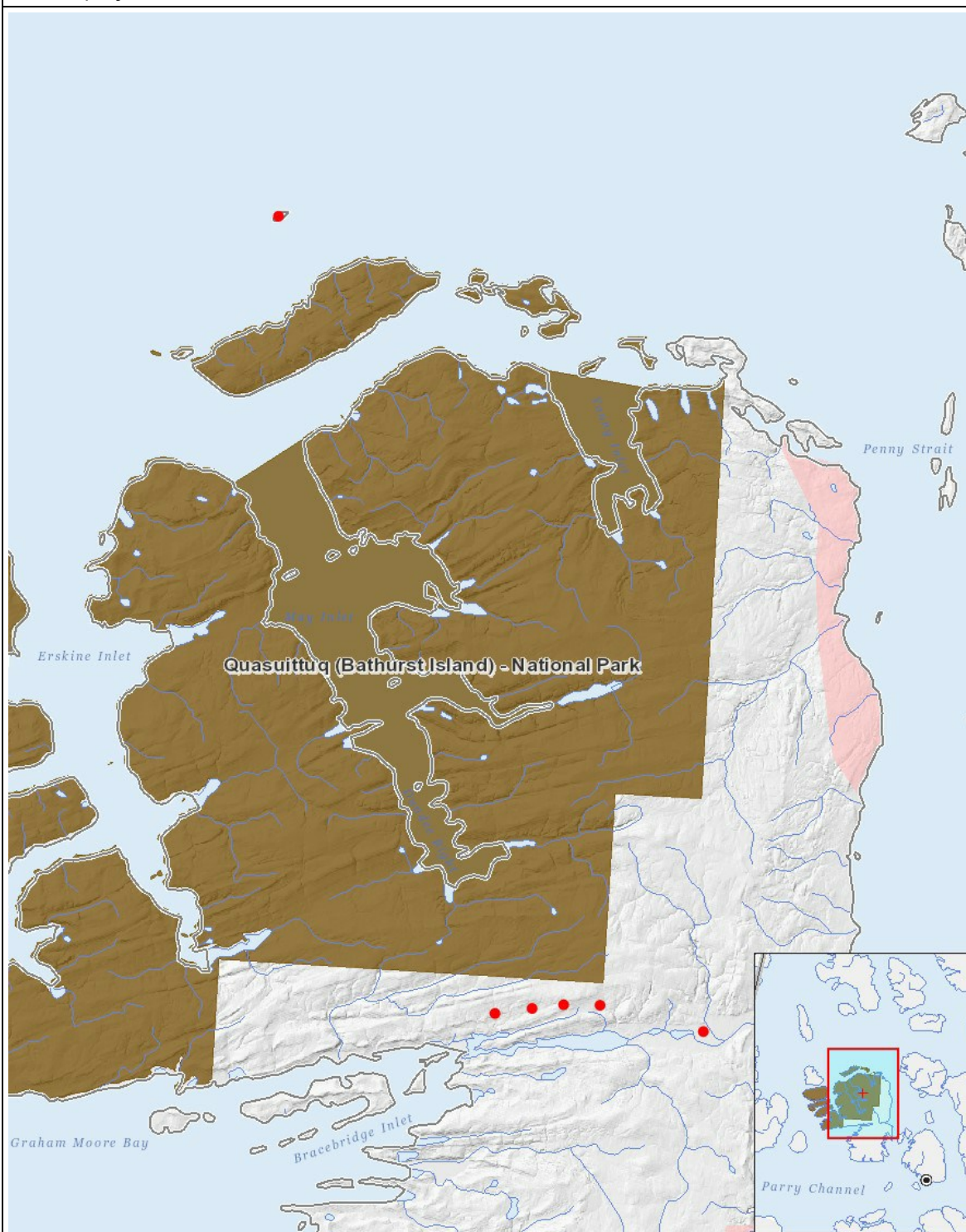
Impacts

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 |
|----------------|--|----------|---|--------------------------------|------------------|------------|-----------------------|---------------|--------------------|---|-----------------------------|---------------------------|--------------------------------|-------------|--------------|------------|------------|--|---|---|--------------------------|----------------|--|------------|--------------------|--------------------------|--------------|
| Construction   |  |          |   |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| -              |  |          | - | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            |            | -          | -  | -   | -   | -                        |                | -  | -          | -                  | -                        | -            |
| Exploitation   |  |          |   |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| Camp           |  | M        | - | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | M            |            | M          | M  | M   | -   | -                        |                | -  | -          | P                  | -                        | -            |
| Désaffectation |  |          |   |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| -              |  | -        | - | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            |            | -          | -  | -   | -   | -                        |                | -  | -          | -                  | -                        | -            |

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

## Site du projet



## Liste des géométries de projet

- |   |       |  |
|---|-------|--|
| 1 | point | Nanuit Ittilinga cabin location                            |
| 2 | point | Seymour Island desired location for camera and ARU set up. |
| 3 | point | Tentative Camera 4 Location NINWA                          |
| 4 | point | Tentative Camera 3 Location NINWA                          |
| 5 | point | Tentative Camera 2 Location NINWA                          |
| 6 | point | Tentative Camera 1 Location NINWA                          |