

DÉTAILS

Description non technique de la proposition de projet

Anglais: This project will focus on bedrock mapping near Uvauk Bay along Chesterfield Inlet, in the eastern area of the Kivalliq region. According to western science, this area, which has only been briefly studied in the past, could provide critical information involving the initial assembly of North American continents. We aim for this project to take place between August 1st to 14th. This project is in collaboration with the Geological Survey of Canada and Canadian universities. A team of up to four geologists will focus their efforts on bedrock mapping and collecting small rock samples for laboratory analysis. A campsite will be set up on the shore near Uvauk Bay. We will be hiring a local Nunavut resident as a wildlife monitor during the project and will be hiring a local resident of Baker Lake to boat us to and from the campsite at the start and end of the project. The campsite will include up to seven tents for kitchen, bathroom and sleeping use. Water for the camp will be collected from a nearby stream/river and a small generator will be used for power. Field methods will include daily hiking excursions and possible use of the small local boat along the coast. Geologists will hike across the land and collect field observations in the form of notes, photographs, and rock samples by hammer. All camp waste will be incinerated and/or stored in bear safe containers for removal and disposal upon project completion. Team members will give a wide berth of at least 100 m to large mammals and we will have safety protocols in place for predatory wildlife. The data will be stored in the Geological Survey of Canada's database. The data generated will be used for a graduate student thesis, published in scientific articles and presented at geologic conferences. Any possible archeological findings will be photographed and coordinates noted; this data will be sent to the Inuit Heritage Trust for their management. We travelled to Rankin Inlet and Baker Lake in February 2024 to present this proposed project to the communities and we plan on travelling to these communities next year to present the results of our proposed project.

Français: N/A

[illegible]

Inuinnaqtun: N/A

Personnel

Personnel on site: 6

Days on site: 14

Total Person days: 84

Operations Phase: from 2024-08-01 to 2024-08-14

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
mapping area	Scientific/International Polar Year Research	Inuit Owned Surface Lands	According to western science, this area, which has only been briefly studied in the past, could provide critical information involving the initial assembly of North American continents.	Any crew member who discovers an archaeological object or a fossil will be instructed not touch or remove it from the location where it was found and report the discovery immediately to the Territorial Archaeologist.	About 110 km west of Chesterfield Inlet.

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Baker Lake	Sheldon Dorey	Hamlet of Baker Lake	2024-02-28
Baker Lake	Angel Awksawnee	Baker Lake Hunters and Trappers Organization	2024-02-28
Chesterfield Inlet	Venissa Mimialik	Aqigiq Hunters and Trappers Organization	2024-03-21
Chesterfield Inlet	Paul Bosetti	Hamlet of Chesterfield Inlet	2024-03-21
Rankin Inlet	Luis Manzo	Kivalliq Inuit Association	2024-02-10

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
Kivalliq Inuit Association	Applied for access to Inuit-owned lands.	Applied, Decision Pending	2024-04-08	
Office des eaux du Nunavut	Applied for APPROVAL FOR THE USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE	Applied, Decision Pending	2024-03-26	
Gouvernement du Nunavut, Institut de recherche du Nunavut	Applied for a Scientific Research Licence Application - Physical / Natural Sciences Research Application	Applied, Decision Pending	2024-04-01	

Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Water	Transported to and from camp by local boat from Baker Lake or Chesterfield Inlet at the beginning and end of the project	

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
generator	1	2000 W	generator electricity for the camp
refrigerator	1	75 lbs	food storage

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	20	40	Lbs	stove and refrigerator
Gasoline	fuel	2	25	50	Liters	generator

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
1	Water bucket/jug	Nearby stream/river

Déchets

Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Camp	Eaux grises	5 L daily	greywater pit	N/A
Camp	Déchets non combustibles	100 lbs	Transported back to town for proper disposal.	N/A
Camp	Eaux usées (matières de vidange)	10 lbs	outhouse/burial	N/A

Répercussions environnementales :

The predicted environmental impacts (physical, biological, socioeconomic) are expected to be minimal. A small temporary camp will be set up with everything to be removed at the end of the project, including waste. Noise will be limited to a small generator used in camp during the morning and evening hours. Wildlife will be avoided and monitored by a local wildlife monitor.

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

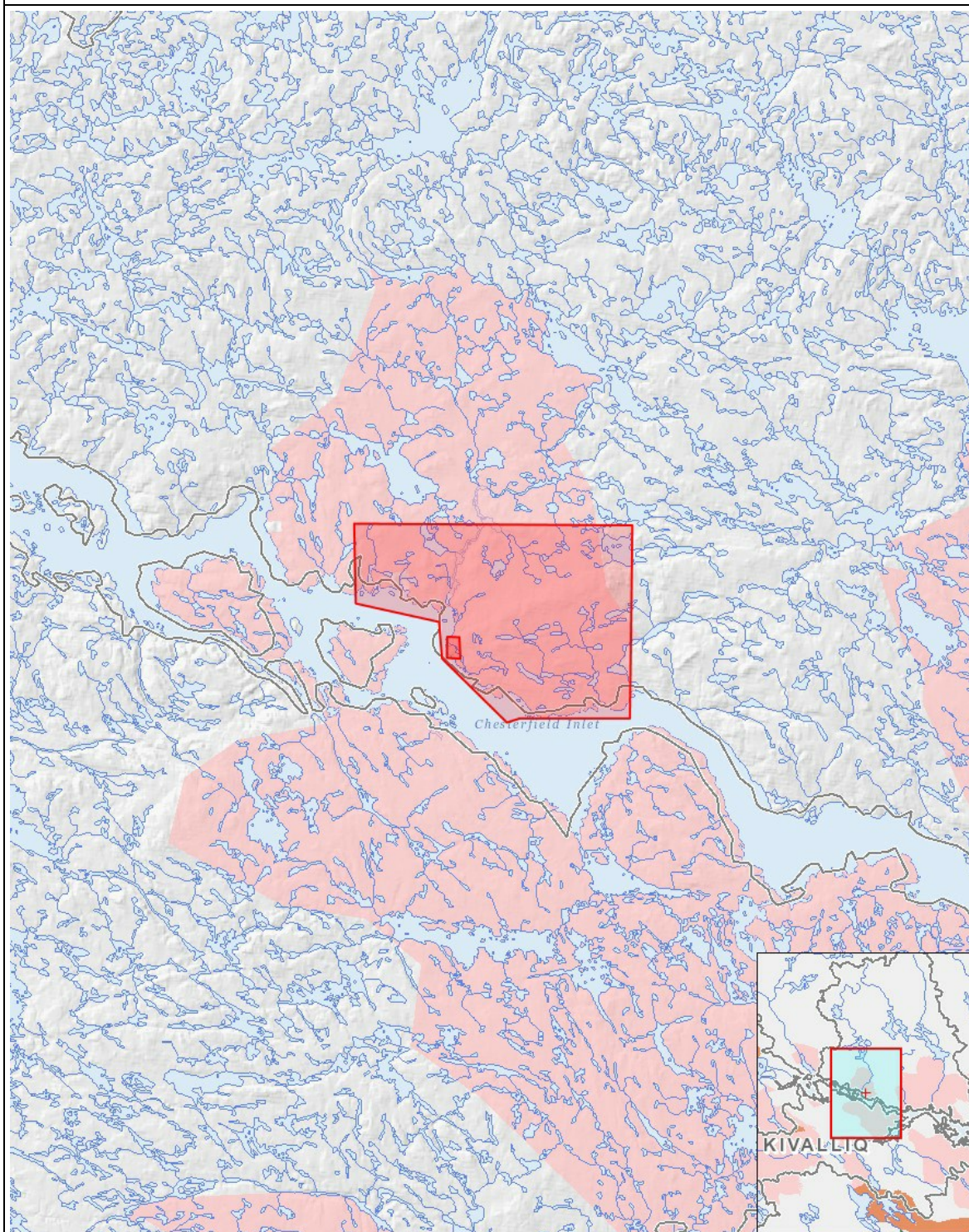
Impacts

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Désaffectation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Site du projet



Liste des géométries de projet

1	polygon	mapping area
2	polygon	camp location