Demande de la CNER faisant l'objet d'un examen préalable #126453

Temporal monitoring of Arctic kelp forests and associated biodiversity in the Qikiqtarjuaq region.

Type de demande : New

Type de projet: Scientific Research

Date de la demande : Wednesday, May 13, 2026

Period of operation: from 2026-08-01 to 2030-03-31

Promoteur du projet:
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DÉTAILS

Description non technique de la proposition de projet

Anglais: See attached.

Français: See attached.

Inuktitut: See attached.

Inuinnaqtun: This project will be carried out in the Qikiqtani Region.

Personnel

Personnel on site: 4
Days on site: 60
Total Person days: 240
Operations Phase: from 2026-08-01 to 2030-03-31

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
Qikiqtarjuaq extended coastal marine area	Researching	Marine	N/A	N/A	Qikiqtarjuaq community and the Auyuittuq national park.

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Qikiqtarjuaq	Laila Alookie	Qikiqtarjuaq Research Centre	2025-09-07
Qikiqtarjuaq	Pasa Aulaqiaq	Nattivak HTO	2025-10-01

Autorisations

Indiquez les zones dans lesquelles le projet est situé:

South Baffin

Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Nunavut Planning Commission	Authorization to carry scientific research in the Qikiqtarjuaq region. NPC file 150985	Applied, Decision Pending		
Institut de recherche du Nunavut	Authorization to carry scientific research in the Qikiqtarjuaq region.	Applied, Decision Pending		
Pêches et Océans Canada	Authorization to carry scientific research in the Qikiqtarjuaq region.	Applied, Decision Pending		
Hunters and Trappers Associations/Organizations	Authorization to carry scientific research in the Qikiqtarjuaq region.	Active	2025-11-20	

Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Water	Small boat from community member	
Land	Snowmobiles from the centre	

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
CTD CastAway	1	6 x 6 x 20 cm	Temperature and salinity profiles (point measurements)
Odyssey PAR sensors	12	4 x 4 x 20 cm	Photosynthetic active radiation (monitoring)
HOBO Temp/Light	20	4 x 2 x 1 cm	Temperature and light on the seafloor (monitoring)
HOBO pH & dissolved oxygen	12	4 x 4 x 20 cm	pH and dissolved oxygen (monitoring)
Nemo Underwater Power Drill	1	15 x 15 x 7 cm	Install small anchors for loggers on the seafloor (monitoring)
Boat	1	24 foot	Fieldwork done with community member owning an aluminum boat.
Snowmobile	1	3 meters	Snowmobiles will be borrowed from the Research Centre to access research sites.

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	300	20	6000	Liters	Field activities will be carried out in collaboration with a local guide operating a 24-foot aluminum vessel, or alternatively using snowmobiles based at the Research Centre. Approximately 40 field days per year are planned over the four-year duration of the project.

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
0	From the research Centre. It's usually delivered by truck every week.	It's from a local freshwater lake (reservoir).

Déchets

Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Researching	Eaux usées (matières de vidange)	0.3 m3 per day	Wastewater and sewage will be managed through the community's existing treated disposal system in accordance with local practices.	None.

Répercussions environnementales :

This project is expected to have very low environmental impacts. Most activities are diver-based and conducted manually with great care to minimize disturbance to marine habitats. No acoustic technologies or heavy equipment will be used during the study. Some limited disturbance may occur during scientific sampling, such as the collection of small numbers of specimens, the installation of monitoring equipment, and the establishment of experimental plots used to study kelp forest recovery. These activities will be conducted at a small spatial scale and in a controlled manner to minimize environmental impact. We are discussing the proposed monitoring locations with members of the Nattivak HTA to ensure that the sites do not overlap with important harvesting areas. Diving operations follow strict safety procedures. To avoid potential accidents, all diving activities are conducted under a rigorous dive safety plan in accordance with the standards of the Canadian Association for Underwater Science (CAUS). All divers are trained and certified, and operations are conducted with appropriate safety equipment and surface support. Overall, the project is designed to minimize disturbance while generating important knowledge about Arctic coastal ecosystems and their long-term environmental health.

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

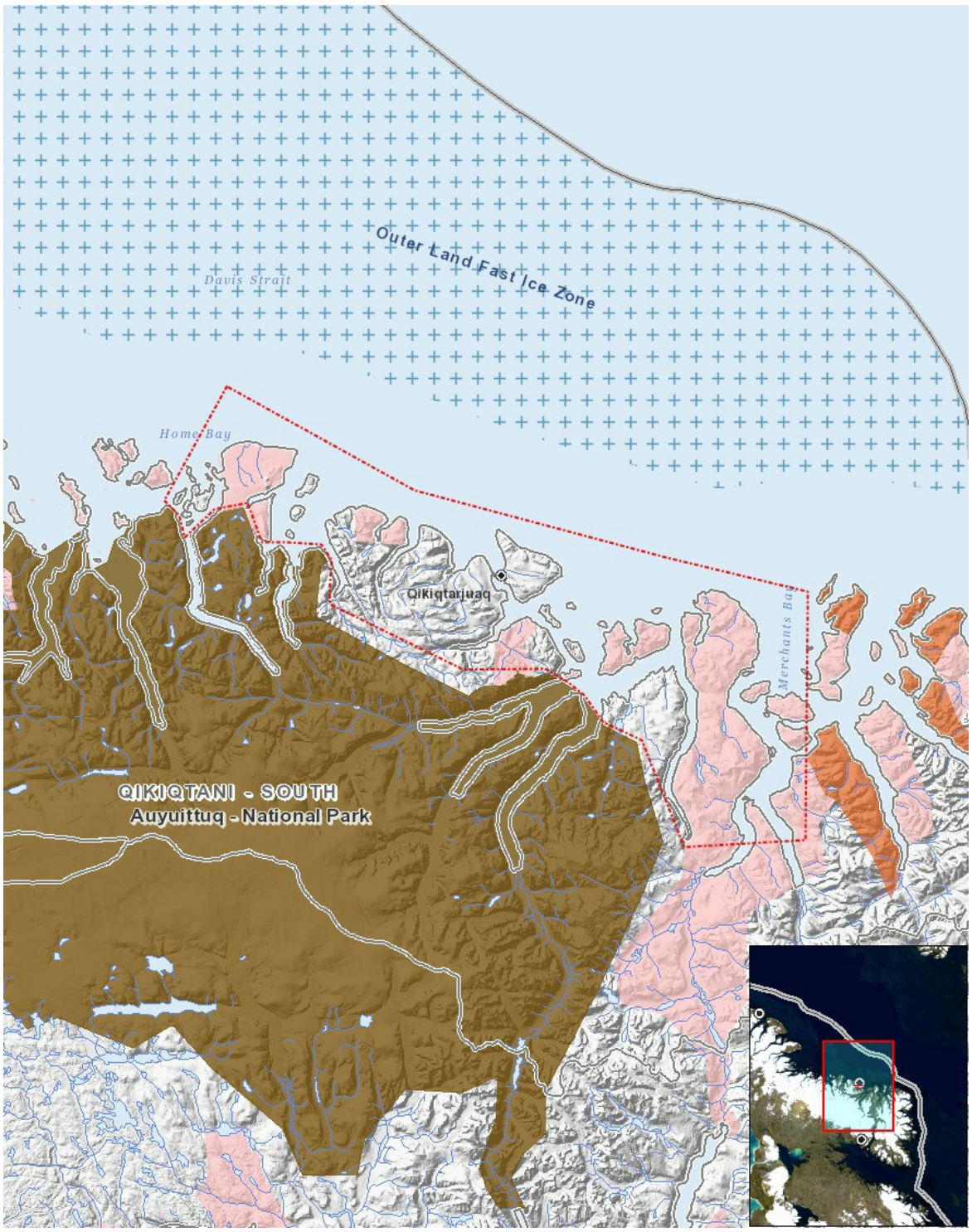
Impacts

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																									
Researching		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	M	-		-	P	P	-	-
Désaffectation																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

Site du projet



Liste des géométries de projet

1	polyline	Qikiqtarjuaq extended coastal marine area