

<b>Application Type:</b>	New
<b>Project Type:</b>	Scientific Research
<b>Application Date:</b>	Monday, July 7, 2025
<b>Period of operation:</b>	from 2025-08-12 to 2025-10-12
<b>Project Proponent:</b>	Ken Jeffries University of Manitoba 50 Sifton Road Winnipeg Manitoba R3T2N2 Canada Phone Number:: 2044746429, Fax Number::



## Non-technical project proposal description

French: Ce projet de l'Université du Manitoba fait partie du programme de surveillance de base dirigé par le MPO près de Qikiqtarjuaq, NU. Pour 2025, notre équipe de projet propose de prélever des échantillons de myes entre le 15 août et le 15 octobre. La date exacte dépendra du moment où nous pourrons organiser toute la logistique des collectes. Nous prévoyons d'engager un plongeur local avec un bateau pour nous aider à collecter les palourdes. Nous proposons de collecter 10 à 20 palourdes dans au moins trois endroits, pour un total de 60 palourdes. Les lieux seront déterminés sur la base des discussions avec les représentants de l'association des chasseurs et des trappeurs l'année dernière et sur la base de la densité des palourdes dans ces zones. Nous mesurerons les niveaux de contaminants (y compris le mercure, les PCB et d'autres polluants persistants) dans les palourdes. Notre équipe de projet propose également de collecter des échantillons d'invertébrés littoraux au cours de la même période que les collectes de palourdes. Pour ce faire, nous engagerons un membre de la communauté disposant d'un bateau pour nous emmener sur les lieux d'échantillonnage pendant 4 jours au maximum. Nous utiliserons des bennes pour prélever des échantillons de sédiments afin de compter et d'identifier tous les invertébrés présents (escargots, amphipodes, bivalves, vers, etc.) près des mêmes endroits où les palourdes ont été collectées précédemment et qui font partie des sites d'échantillonnage du programme de surveillance de base. Nous traiterons ces échantillons à Winnipeg et créerons des outils pour le suivi des communautés d'invertébrés à l'avenir. Les méthodes d'échantillonnage que nous adopterons devraient avoir un impact minimal sur l'environnement immédiat. Nous partagerons les résultats avec la communauté au moyen de brochures et de fiches d'information. Les données seront mises à disposition dans des bases de données publiques. Les informations seront utilisées pour des publications scientifiques et seront présentées lors de conférences scientifiques.

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## Personnel

Personnel on site: 5

Days on site: 6

Total Person days: 30

Operations Phase: from 2025-08-12 to 2025-10-12



# Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Sites associated with the DFO baseline monitoring program and where clams have been collected previously	Scientific/International Polar Year Research	Marine	Locations of DFO Baseline Monitoring sampling sites.	N/A	Within 5 km of Qikiqtarjuaq
Potential new site for clam collection not part of the previous year's collection	Scientific/International Polar Year Research	Marine	Location of concern for contaminants as identified by community members.	N/A	Within 15 km of Qikiqtarjuaq

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Qikiqtarjuaq	Juilie Kuksiak	Nattivak Hunters and Trappers Association	2024-04-30



# Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Fisheries and Oceans Canada	Application for scientific license depends on approval by NIRB.	Not Yet Applied		
Hunters and Trappers Associations/Organizations	Letter of support received May 28th, 2024	Active	2024-05-28	2026-05-28

## Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Fly in and out of Qikiqtarjuaq.	
Water	Travel by boat to sampling locations.	

## Project accomodation types

Other,



## Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Ponar Grab sampler	1	2L capacity	To take sediment grabs (3 per sample location) for invertebrate community identification

### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Formalin	hazardous	2	1	2	Liters	For preserving invertebrates for transport back to Winnipeg for processing

### Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		



# Waste

## Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Information is not available				

## Environmental Impacts:

The larger invertebrates (e.g., clams) are to be collected by hand by a diver that we will hire from the community. Therefore there will be minimal impacts on the environment. We will also collect invertebrates using a small grab sampler (approximately 2L capacity), 3 replicates from a sampling location. Again, this will have a minimal impact on the environment. The clams and other invertebrates are very abundant in the area and our sample sizes are small, therefore we will have minimal impact on the population.



# **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 of Existing Environment: Physical Environment**

### **Description of Existing Environment: Biological Environment**

We aim to sample abundant clams and other invertebrates from the nearshore in their natural environment.

### **Description of Existing Environment: Socio-economic Environment**

### **Miscellaneous Project Information**

### **Identification of Impacts and Proposed Mitigation Measures**

There are no foreseen impacts.

### **Cumulative Effects**

There are no foreseen cumulative effects.



Impacts

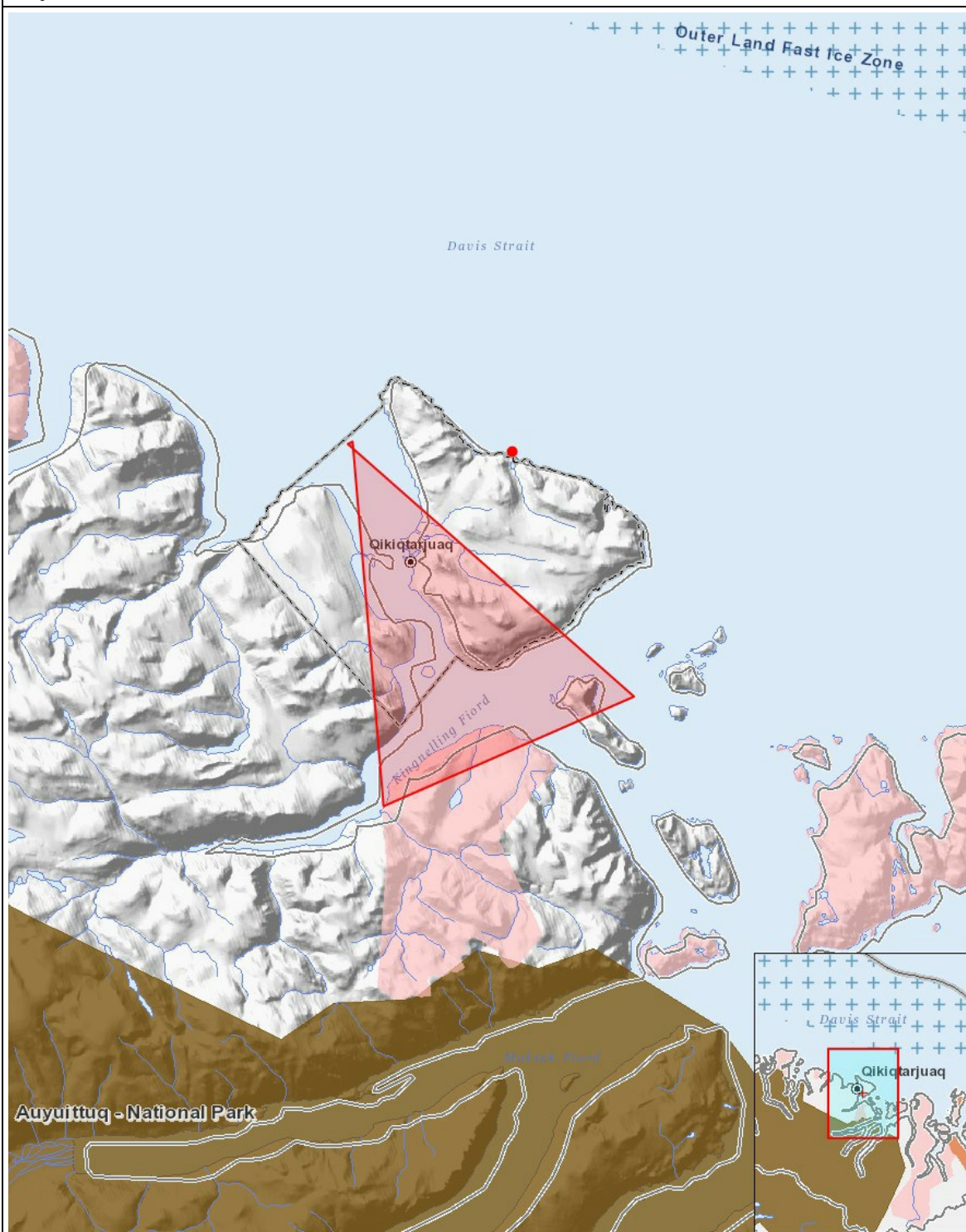
Identification of Environmental Impacts

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operation																									
Scientific/International Polar Year Research		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	-	-	-	-	-	-	-
Decommissioning																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)



## Project Location



## List of Project Geometries

- |           |  |
|-----------|--|
| 1 polygon | Sites associated with the DFO baseline monitoring program and where clams have been collected previously |
| 2 point   | Potential new site for clam collection not part of the previous year's collection                        |