



NIRB Uuktuutinga Ihivriughikhamut #126011

Visiting the Spicer Islands of Foxe Basin

Uuktuutinga Qanurittuq:	New
Havaap Qanurittunia:	Puulaktunik Takuyaktuiyunik Akuiyunik Aihinit
Uuktuutinga Ublua:	11/22/2024 9:59:07 PM
Period of operation:	from 2025-08-15 to 2025-12-15
Havauhikhaq Ikayuqtinga:	Zachary Michael Frohman 3232 Eastern Avenue, Apt 401 Baltimore Maryland 21224 United States of America Hivayautit Nampanga:: 1-908-809-2427, Kayumiktukkut Nampanga::

QANURITTUT

Tukihiannaqtunik havaariyaumayumik uqauhiuyun

Qablunaatitut: This project is for an individual to visit the Spicer Islands of the Foxe Basin for the purpose of studying and documenting their geography, geology, and wildlife. The project is primarily touristic in nature, although I hope to also add to the limited scientific research of these islands. I am not part of a commercial enterprise but there would be a possibility of the video footage or photographs being used in media in the future. I am a United States citizen, and I would be arriving at these islands by boat as part of a longer journey. Due to weather and other uncontrollable circumstances that could delay my arrival to these islands, an exact start date cannot be provided. However, once at the islands, 7 consecutive days (total) would be spent at them. The Operations Phase includes the entire expected time in Nunavut. A sailboat will be used to reach the 3 islands mentioned in this project. A dinghy will then be used to go on shore, and it will be left on the islands until I leave. No permanent facilities will be built on the islands. There will also be no vehicles or heavy machinery used on the islands. Only temporary campsites will be constructed, and then taken down before leaving. "Leave no trace" policies will be followed. Sanirajak is the closest community to the islands. None of the islands are currently protected areas, but North Spicer Island is an important migratory bird habitat. It has been proposed as a potential protected area in Land Use Draft Plans. I will take precautions to not disturb the sensitive habitats. This includes maintaining the recommended distance of at least 300 meters from sites of large groups of migratory birds. I am requesting a Scientific Research License from the Nunavut Research Institute for the purpose of collecting rock and sediment samples from North Spicer Island, South Spicer Island, and Era Island. These samples would be analyzed for potential contaminants (including mercury and PFAS) and then compared to other regions of the Arctic. The general geochemical properties of these samples would also be examined, as limited research is available on the geology of these islands. I am requesting permission to collect approximately 25 lb (11.3 kg) of rock samples and approximately 1 cubic foot of sediments from these islands. Most of the collected rocks are expected to be carbonate rocks from the Paleozoic Era. In an effort to limit environmental impact, hand tools would be used to collect these samples. As a result, all samples would be taken from the surface or just below the surface of the earth. I am also requesting a Class 1 Archaeology and Paleontology Research Permit from the Government of Nunavut - Department of Culture and Heritage. If I find anything of archaeological or paleontological importance, I want permission to take photographs and record the locations for the benefit of future archaeologists/paleontologists. I would not be collecting or otherwise disturbing these items. As part of the journey, I intend to stop in the communities of Sanirajak, Kinngait, and Kimmirut for approximately 1 day each.

Uviititut: Ce projet vise à permettre à une personne de visiter les îles Spicer du bassin Foxe dans le but d'étudier et de documenter leur géographie, leur géologie et leur faune. Le projet est avant tout de nature touristique, même si j'espère aussi contribuer à la recherche scientifique limitée sur ces îles. Je ne fais pas partie d'une entreprise commerciale, mais il serait possible que les séquences vidéo ou les photographies soient utilisées dans les médias à l'avenir. Je suis citoyen américain et j'arriverais sur ces îles en bateau dans le cadre d'un voyage plus long. En raison de la météo et d'autres circonstances incontrôlables qui pourraient retarder mon arrivée sur ces îles, une date de début exacte ne peut être fournie. Cependant, une fois sur les îles, 7 jours consécutifs (au total) y seraient passés. La phase d'exploitation comprend toute la durée prévue au Nunavut. Un voilier sera utilisé pour rejoindre les 3 îles mentionnées dans ce projet. Un canot sera ensuite utilisé pour accoster à terre, et il sera laissé sur les îles jusqu'à mon départ. Aucune installation permanente ne sera construite sur les îles. Aucun véhicule ni machinerie lourde ne sera également utilisé sur les îles. Seuls des terrains de camping temporaires seront construits, puis démontés avant le départ. Les politiques « Ne laisser aucune trace » seront suivies. Sanirajak est la communauté la plus proche des îles. Aucune des îles n'est actuellement une zone protégée, mais l'île North Spicer constitue un habitat important pour les oiseaux migrateurs. Elle a été proposée comme zone protégée potentielle dans les projets de plans d'aménagement du territoire. Je vais prendre des précautions pour ne pas déranger les habitats sensibles. Cela inclut le maintien de la distance recommandée d'au moins 300 mètres des sites abritant de grands groupes d'oiseaux migrateurs. Je demande un permis de recherche scientifique à l'Institut de recherche du Nunavut dans le but de recueillir des échantillons de roches et de sédiments de l'île North Spicer, de l'île South Spicer et de l'île Era. Ces échantillons seraient

Inuktitut:

Personnel

Days on site: 7

Total Person days: 7

Operations Phase: from 2025-08-15 to 2025-12-15

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
South Spicer Island - Activities include camping, observing wildlife, and collecting rock/sediment samples.	Tourism Activities	Crown	N/A	Unknown, since limited research has been completed. I am not aware of any archaeological or paleontological sites that have been found on this island.	The community of Sanirajak is approximately 95 kilometers to the northwest.
Era Island - Activities include collecting rock/sediment samples.	Tourism Activities	Crown	N/A	Unknown, since limited research has been completed. I am not aware of any archaeological or paleontological sites that have been found on this island.	N/A
North Spicer Island - Activities include camping, observing wildlife, and collecting rock/sediment samples.	Tourism Activities	Crown	N/A	Unknown, since limited research has been completed. I am not aware of any archaeological or paleontological sites that have been found on this island.	North Spicer Island is not currently a protected area, but it has been proposed in draft plans since it is a key migratory bird habitat. Precautions will be taken to not disturb the birds and their habitat.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Information is not available			

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavut Imaligiyyit Katimayit	Approval to Use Water/Deposit Water Without a Licence	Not Yet Applied		
Nunavut Kavamanga, Avatiliriyikkut	Wildlife Observation Licence	Not Yet Applied		
Nunavunmi Ihivriuqniqmut Timiqutigiyanga	Scientific Research Licence	Not Yet Applied		
Government of Nunavut, Department of Culture, Language, Elders, and Youth	Archaeology and Paleontology Research Permit, Class I	Not Yet Applied		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	A sailboat will be used to navigate the waters of Nunavut. A dinghy will be used to reached land at the sites shown on the Project Map.	

Project accomodation types

Temporary Camp

Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Camp-stove	1	Approximately 20 cm x 20 cm x 20 cm	A standard camp-stove to be used to heat up meals or to supply heat in case of an emergency.
Geology Hammer	1	13L x 7W x 1.25Th	A standard geology hammer to be used for breaking off chunks of rocks for collection and later analysis.
General Geological Hand Tools	1	N/A	Chisels, spades, and other small hand tools to be used to collect rock and sediment samples for later analysis.

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Propane	fuel	5	1	5	Lbs	The propane would be used as fuel for a standard camp-stove.
Propane	hazardous	5	1	5	Lbs	The propane would be used as fuel for a standard camp-stove. The canisters would be brought back off the islands.

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0	No drilling or digging. Only surface water would be bottled and then boiled. This would only be done if necessary due to running out of water carried onto the island.	Within the boundaries of the areas drawn on the Project Map.

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Tourism Activities	Anaagun (inuin anaaguin)	Human waste from 1 individual over 7 days.	Waste Alleviation and Gelling bags that would be brought with me back off the islands. None of the bags would be disposed of on the islands.	N/A

Avatiliriniqmut Ayurhautingit:

The ground may be slightly disturbed by setting up temporary campsites, but no significant environmental impacts are predicted. Leave no trace procedures will be followed. In addition, collecting rock and sediment samples will disturb the earth, but care will be taken to only damage what is needed for the purpose of extracting samples.

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

Qanurittuq Ittunik Avatinga: Avatingalluanga

There is not much research available on the physical environment of these islands.

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Researchers have identified significant polar bear populations on these islands in the past. North Spicer Island is also considered an important habitat for migratory birds, although it has not yet officially been made a protected area.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

There are no communities present on the Spicer Islands in the Foxe Basin. The nearest community is Sanirajak. I am not aware of any archaeological or paleontological sites that have been discovered on the islands.

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

There may be minor negative impacts to ground stability, surface and bedrock geology, and sediment and soil quality due to activities undertaken to collect samples of rocks and sediment for analysis. However, due to the small volume of samples being taken and the use of hand tools instead of heavy machinery, the potential impact is expected to be mitigated. The wildlife may be slightly disturbed by my presence, but care will be taken to keep as much distance as possible. I also will not get close to the nesting sites of migratory birds that use North Spicer Island as a key nesting grounds.

Tamatkiumayunik Ihuikgutivaktunik

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

	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
Havakvinga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aulapkaininnga																									
Tourism Activities		-	M	-	-	-	-	-	M	M	-	-	-		M	M	M	-	-		-	-	-	-	-
Piiqtauniq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

Havaariyauyukhamut Nayugaa



List of Project Geometries

- 1 polygon North Spicer Island - Activities include camping, observing wildlife, and collecting rock/sediment samples.
- 2 polygon South Spicer Island - Activities include camping, observing wildlife, and collecting rock/sediment samples.
- 3 polygon Era Island - Activities include collecting rock/sediment samples.
- 4 polyline Approximate route
- 5 polyline Approximate route
- 6 polyline Approximate route
- 7 polyline Approximate route
- 8 polyline Approximate route

- | | | |
|----|----------|---------------------------------------|
| 9 | polyline | Approximate route |
| 10 | point | Kinngait - A visit to the community. |
| 11 | point | Sanirajak - A visit to the community. |
| 12 | point | Kimmirut - A visit to the community. |