

Public Registry - Project Proposals

NPC 150552: Visiting the Spicer Islands of Foxe Basin

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Proposal Status: Conformity Determination Issued

Type of application: New

Proponent name:

Zachary Michael Frohman

Proponent company:

N/A

Project Description:

This project is for a visit to the Spicer Islands of the Foxe Basin for the purpose of studying and documenting their geography, geology, and wildlife. The trip 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 (with a passport), 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. As these islands are recognized as important migratory bird habitats, all possible precautions will be taken to not disrupt wildlife. 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, Kingait, and Kimmirut.

Project Schedule

Start Date:

2025-08-15

End Date:

2025-12-15

Project Map

List of project geometries:

Id	Geometry	Location Name
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[14031](#)

polygon

North Spicer Island - Activities include camping, observing wildlife, and collecting rock/sediment samples.

[14032](#)

polygon

South Spicer Island - Activities include camping, observing wildlife, and collecting rock/sediment samples.

[14033](#)

polygon

Era Island - Activities include collecting rock/sediment samples.

[14119](#)

polyline

Approximate route

[14121](#)

polyline

Approximate route

[14122](#)

polyline

Approximate route

[14141](#)

polyline

Approximate route

[14143](#)

polyline

Approximate route

[14144](#)

polyline

Approximate route

[14115](#)

point

Kinngait - A visit to the community.

[14117](#)

point

Sanirajak - A visit to the community.

[14118](#)

point

Kimmirut - A visit to the community.

NPC Planning regions:

No Approved Plan

Project Land Use and Authorizations

Project Land Use:

Tourism Activities

Scientific Research

Licensing Agencies:

Nunavut Water Board

Government of Nunavut - Department of Environment

Nunavut Research Institute

Government of Nunavut - Department of Culture and Heritage

Material Use

Equipment:

	Type
	Quantity
	Type
	Use

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.

Fuel Use:

Type
Container
Capacity
Use

Propane

5

1

The propane would be used as fuel for a standard camp-stove.

Hazardous Material and Chemical Use:

Type
Container
Capacity
Use

Propane

5

1

The propane would be used as fuel for a standard camp-stove. The canisters would be brought back off the islands.

Water Consumption:

Daily Amount (m ²)
Retrieval Method
Retrieval Location

0

Within the boundaries of the areas drawn on the Land Use & Licensing section.

No drilling or digging. Only surface water would be bottled and then boiled.

Waste and Impacts

Environmental Impacts:

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.

Waste Management:

Waste Type
Quantity Generated
Treatment Method
Disposal Method

Sewage (human waste)

Human waste from 1 individual over 7 days.

N/A

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.