



## **NIRB Application for Screening #126196**

### **Sylvia Grinnell Geoscience Program**

**Application Type:** New

**Project Type:** Scientific Research

**Application Date:** Wednesday, June 4, 2025

**Period of operation:** from 2025-08-13 to 2025-08-28

**Project Proponent:** Alia Bigio  
Crown-Indigenous Relations and Northern Affairs Canada  
918 Nunavut Drive  
Iqaluit Nunavut X0A 2H0  
Canada  
Phone Number:: 867-975-4292, Fax Number::

Operations Phase: from 2025-08-13 to 2025-08-28

# Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
SGGP field area	Scientific/International Polar Year Research	Crown	Geological research has taken place regularly in the area over the last two decades.	Undetermined.	Study area is approximately 60 kilometres northwest of Iqaluit.

## Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Iqaluit	Sally	Amaruq HTA	2025-05-14

# Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Aboriginal Affairs and Northern Development Canada	CIRNAC land use permit for Crown land	Applied, Decision Pending		
Hunters and Trappers Associations/Organizations	Amaruq HTA board supports our research activities	Active	2025-05-14	
Qikiqtani Inuit Association	Application for land lease for IOL surface lands access, application 320545	Applied, Decision Pending		

## Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Helicopter-supported, helicopter based in Iqaluit	
Land	Hiking	

## Project accomodation types

Temporary Camp

Other,

## Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
helicopter	1	1	Helicopter for transport between Iqaluit airport and field research area.
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### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Aviation fuel	fuel	10	40	400	Gallons	helicopter refueling

### Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
1	By hand, via filling bottles	Streams in project activity area

# Waste

## Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Camp	Non-Combustible wastes	minimal	Any noncombustible waste materials will be packed out and returned to Iqaluit at camp teardown.	none

## Environmental Impacts:

Care will be taken to avoid unnecessary impacts on vegetation when landing helicopter, while on hike traverses, or while in temporary camp. Noise from helicopter will be mitigated by ensuring flight altitude is sufficient to avoid impacts on wildlife. Rock and sediment samples will be removed from the environment, but care will be taken to prevent unnecessary damage to outcrops when samples are taken from bedrock.

# **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**

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

**Miscellaneous Project Information**

**Identification of Impacts and Proposed Mitigation Measures**

**Cumulative Effects**



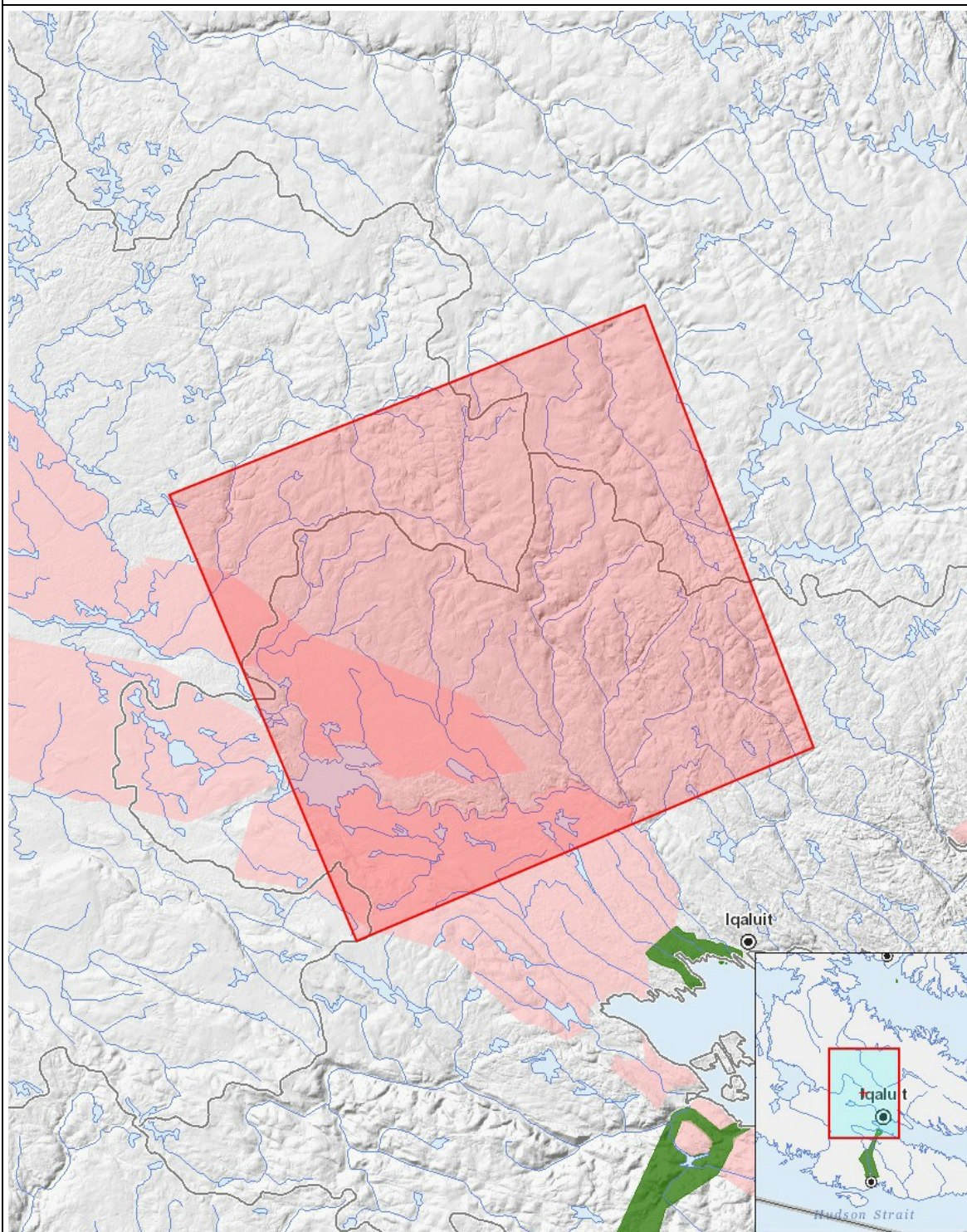
Impacts

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	M	-	-	-	M	M	M	-	-	M		M	M	M	M	-		U	P	U	P	P
Decommissioning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

## Project Location



## List of Project Geometries

1	polygon	SGGP field area
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