









			have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.		
permafrost 5	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 6	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 7	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 8	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface	N/A	within 5km aerial distance to Qikiqtarjuaq

			vegetation will be used to close pits after a sample of 500ccm has been taken.		
permafrost 9	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 10	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 11	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 12	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a	N/A	within 5km aerial distance to Qikiqtarjuaq

			sample of 500ccm has been taken.		
permafrost 13	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
permafrost 14	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Permafrost soils samples will be taken from small soil pits, approximately 15x15cm wide and 30-50cm deep (to the permafrost table). Soil pits will be opened with knives and shovels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits after a sample of 500ccm has been taken.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 11	Scientific/International Polar Year Research	Inuit Owned Surface Lands	Sediment samples will be taken from a small boat using a Ponar grab sampler. Approximately 200ccm sediment will be sampled. One to two 40L canisters will be filled with water to filter suspended sediments.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 12	Scientific/International Polar Year Research	Marine	Sediment samples will be taken from a small boat using a Ponar grab sampler. Approximately 200ccm sediment will be sampled. One to two 40L canisters will be filled with water to filter suspended sediments.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 13	Scientific/International Polar Year Research	Marine	Sediment samples will be taken from a small boat using a Ponar grab sampler. Approximately 200ccm sediment will be sampled. One to two 40L canisters will be filled with water to filter suspended sediments.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 14	Scientific/International Polar Year Research	Marine	Sediment samples will be taken from a small	N/A	within 5km aerial

			boat using a Ponar grab sampler. Approximately 200ccm sediment will be sampled. One to two 40L canisters will be filled with water to filter suspended sediments.		distance to Qikiqtarjuaq
sediment 15	Scientific/International Polar Year Research	Marine	Sediment samples will be taken from a small boat using a Ponar grab sampler. Approximately 200ccm sediment will be sampled. One to two 40L canisters will be filled with water to filter suspended sediments.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 1	Scientific/International Polar Year Research	Inuit Owned Surface Lands	One to two 40L canisters will be filled with water to filter suspended sediments. If no surface flow is observed, surface sediment samples (200ccm of uppermost 2cm) taken with a small shovel.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 2	Scientific/International Polar Year Research	Inuit Owned Surface Lands	One to two 40L canisters will be filled with water to filter suspended sediments. If no surface flow is observed, surface sediment samples (200ccm of uppermost 2cm) taken with a small shovel.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 3	Scientific/International Polar Year Research	Inuit Owned Surface Lands	One to two 40L canisters will be filled with water to filter suspended sediments. If no surface flow is observed, surface sediment samples (200ccm of uppermost 2cm) taken with a small shovel.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 4	Scientific/International Polar Year Research	Inuit Owned Surface Lands	One to two 40L canisters will be filled with water to filter suspended sediments. If no surface flow is observed, surface sediment samples (200ccm of uppermost 2cm) taken with a small shovel.	N/A	within 5km aerial distance to Qikiqtarjuaq
sediment 5	Scientific/International Polar Year Research	Inuit Owned Surface Lands	One to two 40L canisters will be filled with water to filter suspended sediments. If no surface flow is observed, surface sediment samples (200ccm of uppermost 2cm) taken with a small shovel.	N/A	within 5km aerial distance to Qikiqtarjuaq



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ᓐᓂᓂᓐᓂᓐ	Geela Kooneeliusie	hamlet Qikiqtarjuaq	2025-02-03
ᓐᓂᓂᓐᓂᓐ	Billy Arnaquq	Nunavut Experience Outfitting Services	2025-02-01







		produced by 3 researchers	team will stay at the new research station operated by Laval University. The station is equipped with a septic tank that will be used for sewage disposal. No human waste will be disposed of in the field.	managed by the research station operators.
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**Environmental Impact**

The environmental impact of this project is minimal. Soil pits will be opened with knives and trowels and closed after subsamples have been taken; excess soil and surface vegetation will be used to close pits, small depressions of the ground (15x15cm) are expected, but do not pose a safety issue. All soil and sediment samples will be transported back to the laboratory in Rimouski (no treatment of samples on site / no use of chemicals).

# **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**

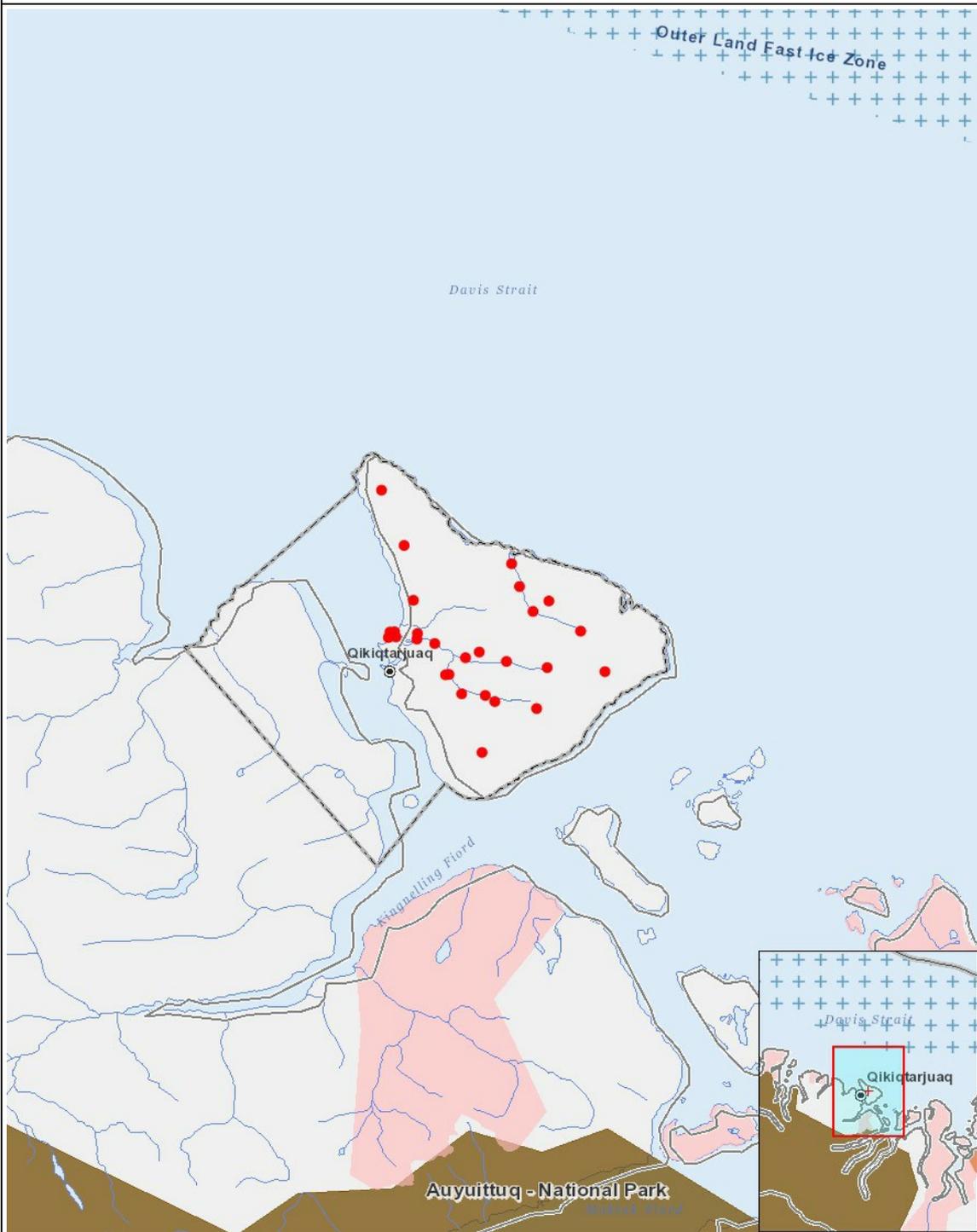


# Impacts

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	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
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Scientific/International Polar Year Research				M																					
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(P = ᐱᓄᓴᓴᓄᓪᓴᑦ, N = ᐱᓄᓴᓴᓄᓪᓴᑦ ᐱᓄᓴᓴᓄᓪᓴᑦ, M = ᐱᓄᓴᓴᓄᓪᓴᑦ ᐱᓄᓴᓴᓄᓪᓴᑦ, U = ᐱᓄᓴᓴᓄᓪᓴᑦ)



List of Project Geometries

1	point	permafrost 1
2	point	permafrost 2
3	point	permafrost 3
4	point	permafrost 4
5	point	permafrost 5
6	point	permafrost 6
7	point	permafrost 7
8	point	permafrost 8
9	point	permafrost 9
10	point	permafrost 10
11	point	permafrost 11

12	point	permafrost 12
13	point	permafrost 13
14	point	permafrost 14
15	point	sediment 1
16	point	sediment 2
17	point	sediment 3
18	point	sediment 4
19	point	sediment 5
20	point	sediment 6
21	point	sediment 7
22	point	sediment 8
23	point	sediment 9
24	point	sediment 10
25	point	sediment 11
26	point	sediment 12
27	point	sediment 13
28	point	sediment 14
29	point	sediment 15