



New

Scientific Research

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from 2024-08-09 to 2027-10-25

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כחלק מ

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^cבִּגְדָנֶךָ: See attached document

▷ΔΑΝΔ: See attached document

$\Delta_{\mathcal{M}^b \cap \mathcal{D}^c}$: See attached document

Personnel

Personnel on site: 3

Days on site: 15

Total Person days: 45

Operations Phase: from 2024-08-09 to 2027-10-25

Λ Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω

[illegible]

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ᐃᓇᑦᑕᑦᑎᑦ	ᐱᑦᑭᑦ	ᐅᐱᑦᐸᐱᑦᑎᑦᑎᑦ	ᖃᖃᑦ ᐱᑦᑎᐱᑦᐸᐱᑦᑎᑦᑎᑦ
ᑦᑭᑦᑕᑦᑎᑦ	Billy Arnaquq	Nunavut Experience Outfitting	2024-04-28
ᑦᑭᑦᑕᑦᑎᑦ	Board members	Qikiqtarjuaq Hamlet	2024-08-24
ᑦᑭᑦᑕᑦᑎᑦ	Board members	Qikiqtarjuaq Hunters and Trappers Association	2024-08-18
ᑦᑭᑦᑕᑦᑎᑦ	Saki Arnaquq	Nunavut Experience Outfitting	2024-04-28
ᑦᑭᑦᑕᑦᑎᑦ	Raymond	Nunavut Experience Outfitting	2024-08-15

◀▷σ◀^{εb}▷^{εb}

A^cd^c A^ar^t^{ab} A^dC^{ab}D^{ab}H^{ab} A^cB^{ab}N^{ab}r^c AdCA^c, r^c-A^{ab}P^c, B^aL^cJ^{ab}, M^ar^bD^c A^ar^c-A

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boat	1	28 foot	The boat will be rented from a local community member and will be used to get from town to each of the selected sites to perform field work (capture photos)

[illegible]

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Gasoline	fuel	10	25	250	Liters	As much fuel as needed for the boat over a period of 10-12 sampling days. This will depend on the distance travelled and weather conditions.

ΔL^{ϕb} ◀D^{ϕb} C▶L̇^{ϕb} D^{ϕb}

▷↵ CL ^၆ ◁▷ ^၆ C▷ ^၆ ◁ ^၆ ▷ ^၆	၆ ^၆ Δ ^၆ C ^၆ C ^၆ ◁ ^၆ ◁ ^၆	၆ ^၆ Δ ^၆ C ^၆ C ^၆ ◁ ^၆ ◁ ^၆
0		

$\triangle^b C d^c$
$$\Delta^b C d r n \sigma \Delta^c \sigma^c$$
[illegible]

$\triangleleft \nabla \cap \Gamma \triangleright C \dot{\sigma}^C \supset^C \triangleleft^b \supset^{qb} C \triangleright \gamma L \gamma^C$

Despite mitigating risks, there is still a chance that equipment be lost during sampling and that there be potential damage to sea floor habitats due to inclement weather or equipment failure. These will be minimized as much as possible at all times throughout the project. Mitigation measures were used in previous work and showed to be very efficient.

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

[illegible]

This work will provide maps describing where potentially sensitive marine environments are located for use in future research and by the community for relevant activities and archival of knowledge.

[illegible]

There is limited information on what the underwater biological environment is like around Qikiqtarjuaq and this project aims to generate a better knowledge of this.

[illegible]

We already have a good relationship with the Qikiqtarjuaq Hamlet and MHTO, and have been encouraged by these organizations in doing this work to be able to provide the community with habitat maps as well as continue to generate employment over the duration of the project.

Miscellaneous Project Information

[illegible]

Potential impacts for this project are minimal since no waste is generated however there is always a chance that equipment is lost during sampling due to unforeseen circumstances such as snags underwater, etc. that could damage aquatic life, human error such as not tying equipment on tight enough or even equipment failure such as hardware breaking, housings holding cameras falling off the frame, etc. this will be minimized by always working slowly and checking attachment points for gear, avoiding dragging the camera frame on the sea floor to avoid snags and damaging aquatic life, and only working in good/safe weather conditions to minimize potential for dragging (allowing boat captain to keep boat steady).

Cumulative Effects

Impacts

[illegible][illegible]
$$(P = \langle b \rangle \Delta \cap \Gamma \cap \Gamma^a \Delta^b \Gamma^c, N = \langle b \rangle \Delta^a \Gamma^b \Gamma^c \Delta \Gamma^a \Delta^b \Gamma^c \langle c \rangle \Delta \Gamma^b \Gamma^c \Delta \Gamma^a \Delta^b \Gamma^c \Delta, M = \langle b \rangle \Delta^a \Gamma^b \Gamma^c \Delta \Gamma^a \Delta^b \Gamma^c \langle c \rangle \Delta \Gamma^b \Gamma^c \Delta \Gamma^a \Delta^b \Gamma^c \Delta, U = \langle b \rangle \Delta \Gamma^a \Delta^b \Gamma^c \Delta^b \Gamma^c)$$

List of Project Geometries

1	polygon	Qikiqtarjuaq OPP 2024 sampling area
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