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ᐱ ᑦ	ᖃᓄᐃᑦᑐᑦ ᐱᑕᓚᐳᖃᑦᓂᐳᖅ	ᑭᐃᑦ ᓄᓇᑦᐃᑦᓂ	ᑐᔨᐃᓴᖃᑦ ᓄᓇᐃᑦ ᖃᓄᖃ ᐳᑐᓴᐃᑕᐃᖃᑦ ᑭᓴᓴᓚᐳᖃᑦᓂᖅ	ᐃᑦᔨᑦᓂᑕᖃᑦᐳᐃᑕᑕᐃᑦ ᐃᓄᖅᓄᑦ ᓇᔪᖃᑕᐃᖃᑦᑕᑦᓂᐃᑕᑦ ᑕᐃᑦᑭᓴᓂᑐᖃᐃᑕᖅᑐᖅ	ᖃᓂᖅᓂᖅᑕᖅ ᓄᓇᑕᑭᓴᐃᑦᔪᖅ ᐳᓴᓴᓴ ᔨᑐᑭᑦᑭᐳᐃᑕᑦ ᑭᓇᓄᑦ
region of proposed bedrock mapping	Researching	Inuit Owned Sub-Surface Lands	includes Crown and IOL. Includes mixed use and limited use (caribou calving grounds)	region likely contains historical markers, inuksuit, hunting and trapping sites that will be left undisturbed	area includes the municipalities of Whale Cove and Arviat
proposed northern fuel cache (8 sealed drums)	Fuel and chemical storage	Inuit Owned Sub-Surface Lands	mixed use	none	152 km WSW of Whale Cove
proposed southern fuel cache (8 sealed drums)	Fuel and chemical storage	Crown	mixed use	none	107 km west of Arviat

മേന്മയ്ക്ക് അർപ്പിക്കപ്പെട്ടതാണ് മേന്മയ്ക്ക് അർപ്പിക്കപ്പെട്ടതാണ് അർപ്പിക്കപ്പെട്ടതാണ് അർപ്പിക്കപ്പെട്ടതാണ്

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bᖀᕐᕙᏌᖅ	Luis Manzo	Kivalliq Inuit Association	2022-11-21
ᐼᖅᐱᐼᑐ	Steve England SAO	Hamlet Office	2022-11-24
ᐼᖅᐱᐼᑐ	Mike Beauregard	Government of Nunavut Economic Development and Transportation	2022-11-24
ᐼᖅᐱᐼᑐ	Nicole Issakiark	Arviat Hunters' & Trappers	2022-11-24
ᐼᖅᐱᐼᑐ	Chi-Chi Arinze, Principal & Lyndsay Hines, Guidance Councillor	John Amaguluk High School	2022-11-25
ᐼᖅᐱᐼᑐ	Steve England, Hamlet Office	Public Community Meeting with Interpreter	2022-11-25
ᑎᕂᕿᕐᕝᐴᐴᖅ	Brian Fleming, SAO	Hamlet Office	2022-11-28
ᑎᕂᕿᕐᕝᐴᐴᖅ	Eva Angoo	Issuark HTO	2022-11-28
ᑎᕂᕿᕐᕝᐴᐴᖅ	Peter, Science teacher	Inuglak School, Whale Cove	2022-11-29

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Kivalliq

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Indigenous and Northern Affairs Canada	Crown agency to which a permit to undertake geological mapping (land use) needs to be sought	Not Yet Applied		
ᓂᓐᓂᓐᓂᓐ ᓂᓐᓂᓐᓂᓐ	The Designated Inuit Organization (DIO) that represents the interests of all Inuit living in the Kivalliq Region. With a mission to represent, in a fair	Not Yet Applied		

<p>and democratic manner, Inuit of the Kivalliq Region in the development, protection, administration and advancement of their rights and benefits as an aboriginal people, as well as to promote their economic, social, political and cultural well-being through succeeding generations. The KIA's goals include:</p> <ol style="list-style-type: none"> 1) to preserve Inuit heritage, culture & language; 2) to manage Inuit-owned-lands in the region and provide information to and consult with land claims beneficiaries on land use; 3) to protect Arctic Wildlife & environment, thereby preserving traditional uses for current and future generations; and 4) to assist Inuit in the Kivalliq region in training opportunities. 		
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Project transportation types

Transportation Type	Activity	Length of Use
Air	helicopter transport from the airport for 10 days, returning each evening	
Land	foot traverse and ATV travel in the community	

Project accomodation types

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helicopter	10	206L4	days proposed to ferry research scientist and 1-3 community assistants from Whale Cove airport to exposed bedrock localities, and return to hamlet each evening
aircraft	10	206L4	days proposed to ferry research scientist and 1-3 community assistants from Arviat airport to exposed bedrock localities, and return to hamlet each evening

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Aviation fuel	fuel	32	205	6560	Liters	fuel 206L4 based from Whale Cove airport
Aviation fuel	fuel	40	205	8200	Liters	fuel 206L4 based from Arviat airport
Aviation fuel	fuel	8	205	1640	Liters	8-sealed drum cache located 83 nautical miles WSW of Whale Cove to enhance flexibility, ensure safety
Aviation fuel	fuel	8	205	1640	Liters	8-sealed drum cache located 57 nautical miles W of

$$\Delta^b C d_{\sigma} \Delta^{\sigma} \sigma^b$$
$$4 \leq n \leq 5 \quad 4 \leq n \leq 5$$

Mapping will involve examination and documentation of exposed bedrock within the Kivalliq region west of Whale Cove and Arviat. Coverage will be via low-impact foot traverses by a 2-3 person team comprising the project proponent (Mary Sanborn-Barrie) and 1 or 2 community members. Transport to the exposures will be by helicopter which will return to Whale Cove (July 2-14) or Arviat (July 16-26) airport each evening. All equipment to be used will fit into a small backpack to be provided to all field assistants along with a bagged lunch. Examination of rock exposures is done using a hand lens, structural compass for measurements, pen magnet, hammer (to break off a fresh sample), and digital camera. Observations and interpretations will be recorded on small, hand-held computers with bluetooth GPS. ** No camps, buildings, ditches, trenches, dams, roads or other structures will be constructed ** No trace of our mapping will be detectable (very low impact). Positive impacts include employment, training and mentoring, increased knowledge of how the land evolved over time, so that land-use decisions are founded also on understanding of geological history of the region.

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: Rigid

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION 11: Municipal Development

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Please see the attached Detailed Plan

$\dot{L}^{\infty}_t \nabla \varphi \cap D' \subset C^\infty_c(\bar{D})$: $\dot{B}(0, R) \subset L^{\infty}_t \nabla \varphi \cap D'$

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July 1 – August 2, 2023 activities are community-based, and include helicopter-assisted mapping carried out by interested residents from the central Nunavut hamlet of Whale Cove (2-weeks) and the lower Nunavut community of Arviat (3-weeks). Compilation maps and Landsat imagery combined with aeromagnetic data will be analyzed with community members. Interested Northerners, with a focus on youth 20-30 years, carvers and prospectors will be provided rotational opportunities as paid field assistants for training and mentoring in geoscience.

Miscellaneous Project Information

Many details and relevant contact information are provided in the attached Detailed Plan with Waste Management and Spill Plan Contingency, with mitigation measures

[illegible]

Please see the attached Detailed Plan with Waste Management & Spill Contingency Plan with mitigation measures

Cumulative Effects

There will be no cumulative effects from this mapping activity, please refer to the attached Detailed Plan with Waste Management & Spill Contingency Plan with mitigation measures

Impacts

[illegible][illegible]
$$(P = \langle b \rangle \dot{a} p \cap \dot{a} \dot{a}^c)^c, N = \langle b \rangle \dot{a} p \dot{a} \dot{a}^c \langle \dot{a} \dot{a}^c \dot{a} \dot{a}^c \rangle^c, M = \langle b \rangle \dot{a} p \dot{a} \dot{a}^c \langle \dot{a} \dot{a}^c \dot{a} \dot{a}^c \rangle^c, U = \dot{a} \dot{a}^c \dot{a} \dot{a}^c \langle \dot{a} \dot{a}^c \dot{a} \dot{a}^c \rangle^c)$$

1	polygon	region of proposed bedrock mapping
2	point	proposed northern fuel cache (8 sealed drums)
3	point	proposed southern fuel cache (8 sealed drums)

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|---|---------|---|
| 1 | polygon | region of proposed bedrock mapping |
| 2 | point | proposed northern fuel cache (8 sealed drums) |
| 3 | point | proposed southern fuel cache (8 sealed drums) |