



New

## Scientific Research

Monday, April 7, 2025

from 2025-05-31 to 2035-03-27

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Operations Phase: from 2025-05-31 to 2035-03-27

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

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Location where sampling with occur in the large lake in the Sanikiluaq area.	Sampling sites	Marine	N/A.	N/A.	Approximately 20 km from the community of Sanikiluaq.
Location where sampling with occur in the southern extent of the Sanikiluaq area.	Sampling sites	Marine	N/A.	N/A.	Approximately 90 km from the community of Sanikiluaq.
Location where sampling with occur in the northern extent of the Sanikiluaq area.	Sampling sites	Marine	N/A.	N/A.	Approximately 40 km from the community of Sanikiluaq.
Location where sampling with occur in the northern extent of the Belcher Islands.	Sampling sites	Marine	N/A.	N/A.	Approximately 10 km from the community of Sanikiluaq.
Location where sampling with occur in the Rankin Inlet area.	Sampling sites	Marine	N/A.	N/A.	Furthest point approximately 67 km from the community of Rankin Inlet.

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ᐅᓐᓐᓐᓐᓐᓐ	Andre Aokaot	Kangigliniq Hunters and	2025-01-23

		Trappers Organization	
ᑲᓐᓴᓐᓴᓐᓴᓐ	Kivalliq Wildlife Board	Stanley Adjuk/Amy Kaludjak	2024-11-16
ᓴᓐᓴᓐᓴᓐᓴᓐ	Luccasie Arragutainaq	Sanikiluaq Hunters and Trappers Association	2024-11-26

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Hunters and Trappers Associations/Organizations	The Kangiqliniq Hunters and Trappers Organization supported our proposed research in Rankin Inlet.	Active	2025-01-23	2026-04-01
Hunters and Trappers Associations/Organizations	The Kivalliq Wildlife Board supported our proposed research in Rankin Inlet.	Active	2024-11-16	2026-04-01
Hunters and Trappers Associations/Organizations	The Sanikiluaq Hunters and Trappers Association supported our proposed research in Sanikiluaq.	Active	2024-11-26	2026-04-01
ᐃᓴᓴᓐᓴᓐᓴᓐ ᑕᐃᓴᓐᓴᓐᓴᓐ	Applied to the DFO Arctic animal care committee for an approved animal use protocol for all sampling and work that will be conducted within our research project. Committee has reviewed our application and will provide a decision in April 2025.	Applied, Decision Pending	2025-02-18	2026-04-01
ᐃᓴᓴᓐᓴᓐᓴᓐ ᑕᐃᓴᓐᓴᓐᓴᓐ	Applied to the DFO Arctic licensing group for an approved license to fish for scientific purposes for all sampling and work that will be conducted within our research project. Committee has reviewed our application and will provide a decision upon approval of our projects by the	Applied, Decision Pending	2025-02-18	2026-04-01



[illegible]

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# **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

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In both Rankin Inlet and Sanikiluaq, there are trails from the community to our locations of sampling in each respective community. These trails are maintained by the local municipalities for use to access subsistence harvesting locations near the communities.

[illegible]

Typical Arctic species (caribou, polar bears, seals, whales, fish, birds, small mammals, medium mammals, mosses, lichens, flowers) can be found in proximity to all of our sampling sites in Rankin Inlet and Sanikiluaq.

[illegible]

Our locations of sampling in each community are areas of local importance for subsistence and economic harvesting of fish species (majority being for Arctic char). These locations have been selected by the respective community HTO/HTA's to learn more about the wildlife species they harvest and consume through the examination of movement patterns, diet, and contaminant loads. Given unemployment rates in both Rankin Inlet and Sanikiluaq are moderate, our research project will hire up to three local individuals from the respective communities to assist with all field-related work.

### Miscellaneous Project Information

Our scientific research is developed and guided alongside co-management partners (HTO/HTA/RWOs). We DO NOT conduct any research that these bodies have not been in support of, nor at locations that they have not been supportive of. We are in constant communication with the respective local bodies throughout the year, providing dates research will occur, research plans (that have already been approved), providing updates on work completed to date and results when available in the form of plain language summaries and reports shared to local HTO/HTA/RWOs and the communities as a whole.

[illegible]

There are no foreseeable impacts of this research that are negative - all impacts of our scientific research are positive as they assist in the conservation, management, and understanding of marine species such as fish and invertebrates.

## Cumulative Effects

There are no foreseeable cumulative effects of this research that are negative - all effects of our scientific research are positive as they assist in the conservation, management, and understanding of marine species

such as fish and invertebrates.

## Impacts

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$$(P = \langle b \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A}, N = \langle b \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A} \cap \langle \mathcal{A} \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A}, M = \langle b \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A} \cap \langle \mathcal{A} \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A}, U = \langle b \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A} \cap \langle \mathcal{A} \rangle_{\mathcal{A} \cup \mathcal{B}} \upharpoonright \mathcal{A})$$



### List of Project Geometries

- 1 polygon Location where sampling with occur in the large lake in the Sanikiluaq area.
- 2 polygon Location where sampling with occur in the southern extent of the Sanikiluaq area.
- 3 polygon Location where sampling with occur in the northern extent of the Sanikiluaq area.
- 4 polygon Location where sampling with occur in the northern extent of the Belcher Islands.
- 5 polygon Location where sampling with occur in the Rankin Inlet area.