



ᓄᓇᑭᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ ᓅᓂᓴᓴᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ #126244

Arctic Ice Thickening Field Test Qikiqtarjuaq

ᐃᓚᓂᓕᓴᓄᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ: New

ᐃᓚᓂᓕᓴᓄᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ: Scientific Research

ᐃᓚᓂᓕᓴᓄᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ: Tuesday, October 21, 2025

Period of operation: from 2026-02-01 to 2026-07-31

ᐃᓚᓂᓕᓴᓄᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ: Tom Meijeraan
Arctic Reflections
Paardenmarkt 1
Delft Zuid Holland 2611PA
The Netherlands
ᐃᓚᓂᓕᓴᓄᓂᓪ ᐃᓚᓂᓕᓴᓄᓂᓪ: +31654670419, ᐃᓚᓂᓕᓴᓄᓂᓪ:

ᐅᐱᓕᓂᓴᓂ	ᐱᓂᓂ	ᐅᓂᓴᓂᓂᓂᓂᓂᓂ	ᓂᓂᓂ ᓂᓴᓂᓂᓂᓂᓂᓂᓂᓂ
ᓂᓂᓂᓂᓂᓂᓂ	Laila Alooki	Qikitarjuaq Research Centre	2025-06-20
ᓂᓂᓂᓂᓂᓂᓂ	Geela Kooneeliusie (SAO)	Municipality of Qikiqtarjuaq	2025-09-10
ᓂᓂᓂᓂᓂᓂᓂ	Pasa Aulaqiaq	Nattivak HTO	2025-06-24

ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ

ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐱᑭᑦᑭᑦᑕᐃᕐᑭᑦ:

South Baffin

ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ

ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐱᑭᑦᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐱᑭᑦᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐱᑭᑦᑭᑦ	ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᐱᑭᑦᑭᑦ	ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ	ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ	ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ
ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ	Research License Application - Arctic Ice Thickening Field Test	Applied, Decision Pending	2025-07-24	

Project transportation types

Transportation Type	ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ	Length of Use
Air	We will travel to Qikiqtarjuaq on regular Canadian North flights, and our equipment will be transported using the same airline.	
Water	We will travel from the Qikiqtarjuaq community to our nearby field test location over the sea ice using snowmobiles	

Project accomodation types

ᑕᐃᕐᑦᑭᑦ ᐱᑭᑦᑭᑦ ᐃᕐᑦᑭᑦᑕᐃᕐᑭᑦ

			plastic floating cubes (50x50x40cm each) assembled together to keep our scientific instruments floating when the ice starts to melt in summer. Each carries 1 SAMS SIMBAs, 1 data logger, 1 radiometer and 1 timelapse camera.
Skidoo	3	330x120x140cm	Snowmobiles will be leased to transport of our research group to and from the site of operations and to tow the sleds carrying the pumps.
Mark II Kovacs Ice Corer	1	100x9 cm diameter	An ice corer will be used to collect ice core samples. The samples will be used to measure ice thickness, temperature and salinity

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ሰው ለውጫዎች ለውጫዎች	የውጫዎች ስም	የውጫዎች ቁጥር	ውጫዎች ስፋት	ዕቅድ	ውጫዎች አይነት	ሰው ለውጫዎች ለውጫዎች
Gasoline	fuel	125	20	2500	Liters	We will use gasoline to power the pumps. To prevent spills, refueling on the sea ice will be done by simply swapping out empty 20-liter steel jerrycans for full ones—eliminating the need to pour or pump fuel on the ice. All jerrycans will be refilled exclusively in the hamlet
Gasoline	fuel	10	20	200	Liters	Gasoline used to operated locally leased snowmobiles

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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

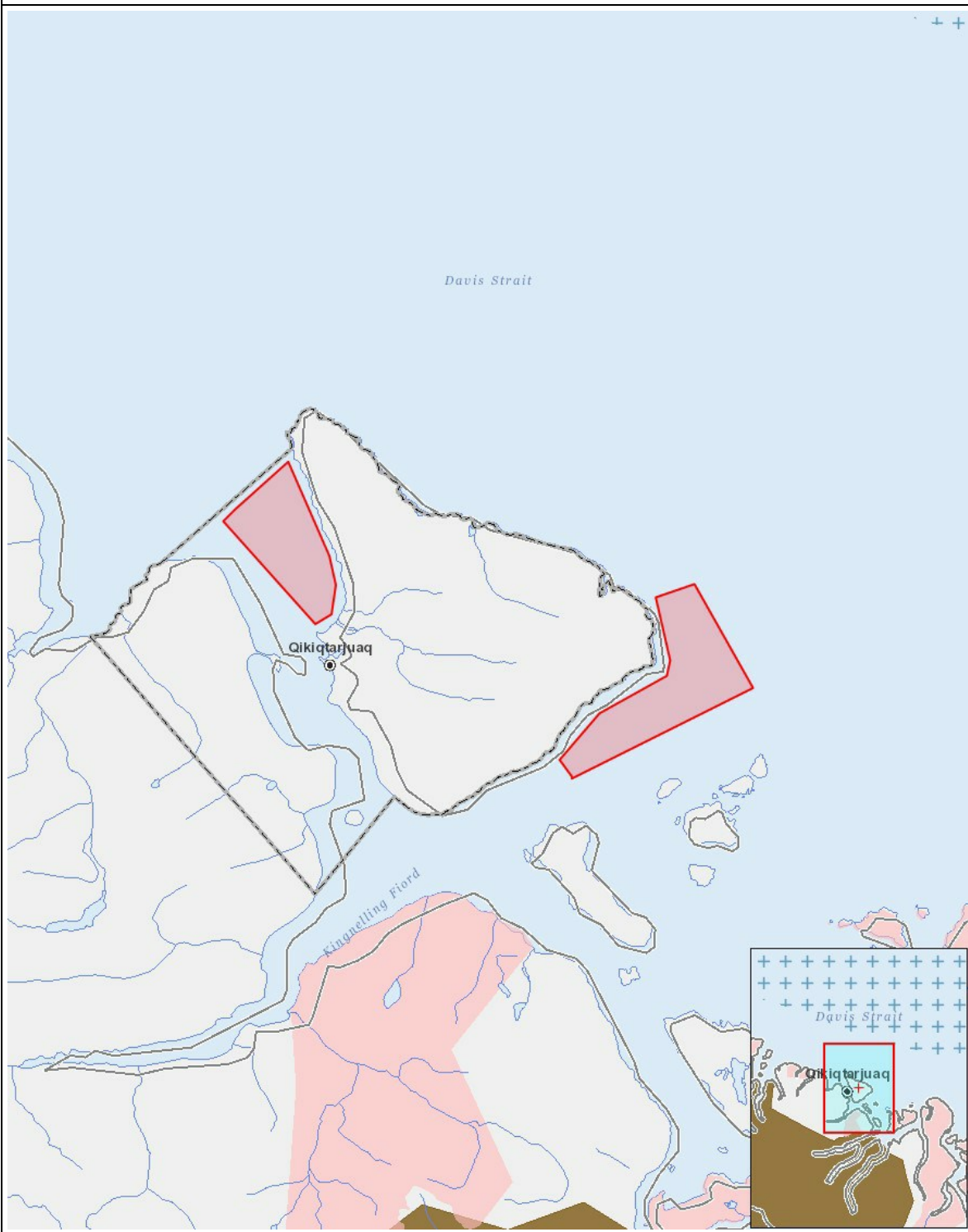
SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use



List of Project Geometries

- 1 polygon Operational zone 1 - backup location only
- 2 polygon Operational zone 3 - field test location - chosen after consultation with HTO and Hamlet (field test site will be max 1 km² within zone 3)