

$\epsilon_b \Delta^c \dot{\bar{N}}_0 \sigma^b \wedge c_n d\epsilon^f b^g d n d^a l^a \sigma^b$

ᐱᓄᓇᑦᑎᓂᓗ: The goal of this project is to run a pilot study to conduct baseline documentation of cultural sites in Ninginganiq NWA and explore what kinds of monitoring may be suitable to be conducted on a semi-regular basis by Inuit researchers and hunters from Clyde River, NU. Objectives include: 1) Collect baseline data about key environmental attributes and cultural sites in Ninginganiq NWA 2) Provide training and experience for Ittaq staff and community participants on how to collect high-quality environmental/cultural monitoring data. 3) Collect data for use in the development of a Ninginganiq NWA page in the Clyde River Atlas.

ᐅᐃᐱᓂᑦ: L'objectif de ce projet est de mener une étude pilote pour effectuer une documentation de base des sites culturels dans la RNF de Ninginganiq et explorer quels types de surveillance pourraient être effectués sur une base semi-régulière par des chercheurs et des chasseurs inuits de Clyde River, au Nunavut. Les objectifs sont les suivants :1) Recueillir des données de référence sur les principaux attributs environnementaux et sites culturels de la RNF de Ninginganiq2) Fournir une formation et de l'expérience au personnel d'Ittaq et aux participants de la communauté sur la façon de recueillir des données de surveillance environnementale / culturelle de haute qualité.3) Recueillir des données qui pourraient être utilisées dans l'élaboration d'une page sur la RNF de Ninginganiq dans l'Atlas de la rivière Clyde.

[illegible]

Personnel

Personnel on site: 18

Days on site: 21

Total Person days: 378

Operations Phase: from 2023-05-01 to 2025-10-01

Λ ς η ϑ η ζ Ϟ ϑ ϑ⁶ Ϟ^c

ᐃᑦ	ᑭᐃᐃᑦᑭᑦᑭᑦ ᐱᑦᐱᑦᑭᑦᑭᑦᑭᑦ	ᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦ	ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ	ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ	ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ ᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦᑭᑦ
Anywhere within the Ninginganiq NWA	Researching	Marine	N/A	N/A	Within Nininganiq. Between Clyde River and Qikiqtarjuaq

$\Delta \varepsilon_{\text{CD}}^{\text{exp}} = \Delta \varepsilon_{\text{CD}}^{\text{calcd}} - \Delta \varepsilon_{\text{CD}}^{\text{residual}}$

[illegible]

[illegible]

$a^b r^c \wedge c d e f g h i j k l m n o p q r s t u v w x y z$

North Baffin

ᄡᄴᆞᆫ ᄠᄢᆞᄳᆞ ᄦᆞᆯᆞᄲᄱᄶᄰᆞ

<p> ሲገኝበት የግብርና ቤት ስም የግብርና ቤቱ አድራሻ የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>
<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>	<p> የግብርና ቤቱ የሥራ አካባቢ የግብርና ቤቱ የሥራ ሰዓት የግብርና ቤቱ የሥራ ቀን </p>

Project transportation types

Transportation Type	Transportation Mode	Length of Use
Air	helicopter	
Land	skidoos	

Project accomodation types

Temporary Camp

◀▷↳◀⁹⁶▷⁹⁶

Λ⁹d^c d^ab^rz^s d^ab^cd^aσ^ad^az^s Δ^c_zb^rd^an^ar^c ΔjCΔ^c, Γ^c_adPñ^c, s^b_zLCj^s, m^er^d^c d^r_zb^r^c

ᐃᓕᑦᑲ ᐱᓕ ᐃᑐᒪᐅᓂᐃᓕᑐᓕ ᓕᐁᐃᓕᑐᓂᓴ	ᓕᐁᑦᑲᑦ	ᐃᓕᑦᑲ - ᐃᑐᓂᓴᑦ	ᑲᐃᓕ ᐃᑐᒪᐅᓂᐃᓕ
Skidoo	up to 10	n/a	Transport to the area
Skidoo, helicopter, drone	up to 12	n/a	Transport to the area. Depending on season and availability (ie. helicopter only if funding and if available)1-2 Mavic 3 drones to take photos and videos of landscape, environment, cultural sites for baseline documentation Number of skidoos depends on number of participants in the project
Tent	4	8x8	sleeping
rifles	10	n/a	bear safety; hunting

[illegible][illegible]
$$\Delta L^{\epsilon_b} \quad \triangleleft \triangleright^{\epsilon_b} C \triangleright \triangleleft \dot{L}^{\epsilon_b} \triangleright^{\epsilon_b}$$

ᐅᑦᑦ ᑕᐱᑦᑕ ᐱᑦᑕᐅᑦᑕᐅᑦᑕᐅᑦᑕᐅᑦᑕ	ᑦᑕᑕᑕ ᐱᑦᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕ	ᐱᑦᑕᑕ ᐱᑦᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕᑕ
0	Obtain from Lake water for camp purposes	Nearest lake or river that is useable

$\triangleleft^b C d^c$
$$\Delta^b C d_{\sigma} \sim \Delta^q \sigma^q$$

ᐱᑦᓕᓂ ᐃᒃᔭᐅᓖᐯᓚᓴᑐᑦ	ᓶᓪᓄᐃᑦᐇᓶᓪ ᐊᓪᑕᐁᓶᓪ	ᓶᓪᓄᐈᑦᑦ ᐊᓪᑕᐁᓶᓪ ሳᓶᑦᑲᐋᓰᐊᓶᓪᐇᔭᐅᓸᓶᓪ	ᓶᓪᓄᓶᓪ ᐊᓪᑕᓶᓪᑕᐅᓰᐊᓶᓪᑕ	ሳᓼᓵᓴᓶᓪ ᐊᐅᐈᓪ ᐊᓪᓪᓪᓹᓰᓰᐊᓶᓪᑕ
Camp	ᐃᓴᐃᑦ ᐊᐅᓶᓪᑕᐅᓺᓬᓶᓪᑲᓽᓾᓶᓢᓴᑦ	10 L/dat	Dispose of in upland area 100m away from water sources	N/A
Camp	ᐊᓪᑕᐁᓶᓪ ᐃᐋᐊᑕᐅᓗᓴᓰᓶᓶᑦᑆᑕᑦ	10 bags total	Pack out of NWA to nearest community	N/A
Camp	ᓶᐁᓶᑕᑦᓕᓂᓰᓶᓪ	18 people	Individuals dig a hole and bury their waste at least 100m from nearest water source. Paper products will be packed out or burned.	N/A

$\Delta^{\circ} \text{G}_{\text{f}}^{\circ}(\text{C}_6\text{H}_6) = -123.4 \text{ kJ mol}^{-1}$

This project will have minimal impacts to wildlife, however, there is a chance that activities could disturb/modify behavior of any wildlife in the area. Helicopters may disturb animals when used to travel from point to point in the NWA. This disturbance will be minimized by flying high when going from point to point (and safe to do so), and by avoiding landing near animals whenever possible; the helicopter will not chase any wildlife. Travel over land may disturb animals and make them flee the area. This disturbance will be short-lived and monitors will not chase animals while traveling. When taking photographs or drone footage drone operators will follow guidelines specified by the ACMC and as described below. Drones will be used to image cultural sites, landscapes, not wildlife directly. We will be camping in the NWA for up to 3 weeks with up to 18 people (number depends on number of students that sign up for training program). All lead participants have experience with camping on the land and safe camp practices regarding wildlife and will take necessary precautions to avoid human-wildlife conflict, however, we will be carrying firearms for wildlife protection and will use these if absolutely required to keep people safe from threatening wildlife (e.g. bears). This could result in death of nuisance wildlife. We will have non-lethal deterrents available for use in any human-wildlife conflicts. Polar Bear, peregrine falcons, Ivory Gull, Ross' Gull, and Red Knots potentially occur or are known to occur in the NWA and are listed under schedule 1 of SARA. Monitors could potentially disturb individuals of these species, and in the unlikely event of an accident, conveyances could potentially disturb/detroy habitat of these species. These potential risks will be mitigated as described above.

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 11: Municipal Development

[illegible]

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[illegible]

Miscellaneous Project Information

$\alpha \rightarrow \Delta^{\text{fb}} \text{CD} \sigma^{\text{fb}} \Gamma^{\text{C}} \quad \Delta^{\text{b}} \text{CD} \Gamma^{\text{L}} \Gamma^{\text{C}} \quad \text{fb} \Delta^{\text{C}} \sigma^{\text{fb}} \Gamma^{\text{C}} \quad \text{C} \Delta \Gamma^{\text{L}} \Gamma^{\text{fb}} \text{CD} \sigma^{\text{fb}} \Gamma^{\text{C}} \rightarrow$

Cumulative Effects

Impacts

$\omega \rightarrow \omega \Delta^{\epsilon_b} C D \sigma^{\epsilon_c} \Gamma^c$ $\Delta^c \cap \Gamma D C \dot{\sigma}^c \dot{\gamma}^c$ $\Delta^b \dot{\gamma}^b C D \Gamma L \dot{\gamma}^c$

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

1	polygon	Anywhere within the Ninginganiq NWA
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