



New

Scientific Research

Friday, May 9, 2025

from 2025-05-13 to 2029-07-13

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ኖፌል ኃበሐ ለርብረትና ምርብረት ሆስፒታል

Inuinnaqtun: Hapkua havaaghakkut aullaqtiittiyumayut hivituyumik aulaghaaqtughamik tupiqtuqvingmik Iqallivingmi Kiilliniqmi (ungahiaqtuq 40 km-mik kivalliqhianit Iqaluktuuttiaq) qauyihariamik pitquhiit kanguit (taapkuatut, nirlirniit) ukiuq tamaat June-mit July-mut. Hapkua havaanguyut hiviliqtuqtauyut Mitch Weegman-mit, Ducks Unlimited Canada-mit Manighaqtitauvaktut Ighivautalik Kinipaumayunit Tingmitjat Huratjallu Hapummiyiit, Ikayuqtiupluni Ilaiyiryuaq, Ilihaqpaalliqlianinik Saskatchewan-mi. Qauyihagtauhimagaluaqhutik aulahimmaaqtumik 1991-mit Karrak Tahianit (Ahiagmi Tingmitjat Nayugaanit) taaffuminnga Ray Alisauskas, huratjat ikighivaalliqlihimayut kayumiktumik aullaarutillu ikayuutillu ayuqnaqhivalliauyut. Atauttikullu, huratjat Iqallivingmi amigaiqpaalliqlihimayut 10-nguliqtunit ukiunit. Tikiqattaramik amigaiqpalliagamiklu tingmitjat ihumagivallialiqtait nunallaarmiut Iqaluktuuttiaqmi. Ahiagullu, naunaitkutait naatjuhiinut kanguit piyumayauvaktut Kanatamit Amialikamillu kavamainit naunaiyautighait ataniqtuqtuiyut parnaiyautainik hapkununnga huratjanut, taapkunungalalu niqighaqhiurniqmut maliktaghanut. Tughirautimnit nuutittiyumayunga havaanguyunik ivayunik kangurnik talvanngat Karrak Tahianit Iqallivingmut. Qauyihattiarahuat havaanginnik, malighugit Karrak Tahianit havauhittianik, qauyihariamiklu tikilvianit qanurininganiit, upluliuqviat, qaffiungmangaat maniit, ahiniklu Ukiuqtaqtumi nauyunut ilaayut taapkuatut nauttianik munaqhiyut nirriiiniit, taryumiutanik huratjanik (qingaliit) naatjuhiinik nayugainik, mikiyullu uumayut.

Operations Phase: from 2025-05-13 to 2029-07-13

Λ Γ Ν Δ Ζ Π Σ Δ^{9b} Ξ^c

ᐃᑦ	ᖃᓄᐱᑦᑐᑦᑦ^c ᐱᑕᓚᐳᖃᑦᓂᐳᑦᐸᑦ	ᑭᐅᑦ^c ᓄᐳᑦᑲᑕᓂ	ᑐᔨᐳᒪᙯᔨᑦ^c ᓄᐳᐳᑦ ᖃᓄᖃ ᐳᑐᒪᐳᐳᐳᑦᖃ ᑎᒪᙯᐳᑦᐳᑦᓂᐅ	ᐱᑦᔨᑦᓂᑕᖃᑦᐱᐳᐳᐳᑦᐸᑦ^c ᐱᓄᐳᑦ^c ᐳᑦᖃᑕᐳᖃᑦᑕᑦᓂᑲᐳᐳᐳ ᑕᐱᑦᑎᒪᓂᑐᖃᐳᑦᑕᐳᖃᑦ	ᖃᓂᐳᓂᖃᐳᑦᐳᑦ^c ᓄᐳᑕᑎᙯᐳᑦᖃ ᐳᑦᒪᑐ ᔨᐳᑦᑎᙯᐱᐳᐳᐳ ᑎᐳᓄᑦ
Anderson Bay snow goose and Ross's goose nesting colony, where I propose to study the birds annually May-August. We will select a temporary camp site in June 2025, within the highlighted polygon. There are no known archaeological or paleontological historical sites in this area.	Researching	Inuit Owned Surface Lands	The shaded polygon (Anderson Bay) seasonally comprises a nesting colony of lesser snow geese and Ross's geese that numbers about 300,000 individuals. The colony has rapidly expanded in size, for reasons not understood. I propose to study the breeding biology of the colony annually from June to July with a camp in the polygon.	No known value.	Approximately 40 km east/southeast of Cambridge Bay.

[illegible]

ᓄᓇᑦᑦᑎᑦ	ᐱᓂᑦ	ᑲᐳᔭᐱᕐᑏᓂᒃᑦ	ᑦᓴᑦᑎᑦ ᐳᔭᑦᑎᑕᐅᑕᐅᓚᐱᐱᑦᓂᑦ
ᐱᕐᑲᓂᓂᑦᑎᑦ	Beverly Maksagak	Ekaluktutiak Hunters and Trappers Organization	2025-02-18
ᐱᕐᑲᓂᓂᑦᑎᑦ	Beverly Maksagak	Ekaluktutiak Hunters and Trappers Organization	2025-03-04
ᐱᕐᑲᓂᓂᑦᑎᑦ	Beverly Maksagak	Ekaluktutiak Hunters and Trappers Organization	2025-03-27
ᐱᕐᑲᓂᓂᑦᑎᑦ	Beverly Maksagak	Ekaluktutiak Hunters and Trappers Organization	2025-04-25
ᐱᕐᑲᓂᓂᑦᑎᑦ	Beverly Maksagak	Ekaluktutiak Hunters and Trappers Organization	2025-05-06

ᑕᐃᑦᑭᑦ ᐱᑭᑦᐃᑦ ᐸᑦᑭᑦᐸᑦᐸᑦ

ᐸᑦᑭᑦᐸᑦ ᐱᑭᑦᐃᑦ ᐸᑦᑭᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦ:

ᑕᐃᑦᑭᑦ ᐱᑭᑦᐃᑦ ᐸᑦᑭᑦᐸᑦᐸᑦ

ᑕᐃᑦᑭᑦ ᐸᑦᑭᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ
ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	Scientific permit to study breeding biology of lesser snow geese and Ross's geese by monitoring nest incubation status and nest outcome (success/failure). The permit also will cover breeding biology of king eiders (a sea duck nesting at Anderson Bay).	Applied, Decision Pending		
ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	Applied for use of water or deposit of waste without a licence (we are using water for drinking and will have minimal waste).	Applied, Decision Pending		
ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ, ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	Nunavut wildlife research permit to study breeding biology of snow geese and king eiders at Anderson Bay.	Applied, Decision Pending		
ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	University of Saskatchewan animal use protocol for research on snow goose breeding biology at Anderson Bay.	Active	2025-02-28	
ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ	University of Saskatchewan animal use protocol for research on king eider breeding biology at Anderson Bay.	Active	2025-03-10	
ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦ ᐸᑦᑭᑦᐸᑦᐸᑦᐸᑦᐸᑦ	Note the KIA replied to me that instead of a class 3 licence (as mentioned in my	Applied, Decision Pending		

	NPC application), this will be an exemption certificate because the camp is temporary annually.			
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Project transportation types

Transportation Type	How to Get There	Length of Use
Air	We will visit the Anderson Bay snow goose colony by helicopter from Cambridge Bay.	

Project accomodation types

Temporary Camp

◀▷σ◀^{q_b}▷^{q_b}

[illegible]

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Helicopter	1	12x10x3 m	I propose to study build a temporary camp at Anderson Bay, and will sling all equipment/supplies to Anderson Bay via helicopter from Cambridge Bay. The helicopter will carry 6 people from Cambridge Bay to Anderson Bay. The camp will be temporary, built in June 2025 and taken down/completely removed by late July 2025. The demobilization will also happen via helicopter.

[illegible][illegible]

ΔL^{ϕb} ◁^{ϕb} C▷^{ϕb} L^{ϕb} ▷^{ϕb}

ᐅᓪᓴ ᑕᓴᑦ ᐱᐅᑦᑕᐅᓂᐱᑦᑕᑦ	ᑦᓄᑦ ᐱᓴᑦᑕᑦᑕᓪᓂᐱᑦᑕᑦ	ᐱᓴᑦ ᐱᓴᑦᑕᑦᑕᓪᓂᐱᑦᑕᑦ
5	In buckets from melt rivers.	Near our temporary camp at Anderson Bay (we will choose the exact camp location within the nesting snow goose colony in June 2025).

$$\Delta^b C d r n \sigma \Delta^c \sigma^c$$

$\triangleleft \triangleleft \cap \Gamma \triangleright C \dot{\sigma}^C \mathcal{J}^C \triangleleft^b \mathcal{J}^{\natural b} C \triangleright \gamma L \gamma^C$

There should be no negative effects of this work because the camp is temporary (mobilized and demobilized each summer). This work will result in several positive environmental impacts on wildlife and their habitats, particularly birds and the Arctic ecosystem they live in. This project will assess links between snow goose, Ross's goose and king eider reproductive success (clutch size, nest success/failure) and habitat and weather information (precipitation and temperature). Results from this work will inform revisions to conservation and management plans for these species to ensure sustainable populations. Lastly, the goose colony provides a source of food via eggs and geese/eiders for community members. Understanding colony dynamics could be important for forecasting food security of these birds for community members. Further, avian influenza is causing human health concerns. This project will provide an understanding of the current and potential colony size with regular monitoring for sick/dead individual geese, to link with ongoing monitoring for avian influenza in the Canadian prairies. Take together, this work provides a comprehensive package of bird and habitat benefits, community employment and infrastructure, and data to support nationwide monitoring to maximize human health.

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][illegible][illegible]

Miscellaneous Project Information

[illegible]

Cumulative Effects

Impacts

$\mathbb{A}^b \mathbb{C} \triangleright \sigma^a \tau^c \triangleleft \mathbb{B} \mathbb{C} \triangleright \sigma^c \tau^c \triangleleft \mathbb{A}^b \mathbb{C} \triangleright \tau^c \mathbb{C}$

[illegible]
$$(P = \langle b \rangle_{\mathcal{A}} \cap \langle a \rangle_{\mathcal{B}}^c, N = \langle b \rangle_{\mathcal{A}} \cap \langle C \rangle_{\mathcal{A}} \langle a \rangle_{\mathcal{B}}^c \langle C \rangle_{\mathcal{A}} \langle a \rangle_{\mathcal{B}}^c, M = \langle b \rangle_{\mathcal{A}} \cap \langle C \rangle_{\mathcal{A}} \langle a \rangle_{\mathcal{B}}^c \langle C \rangle_{\mathcal{A}} \langle a \rangle_{\mathcal{B}}^c, U = \langle b \rangle_{\mathcal{A}} \langle C \rangle_{\mathcal{A}} \langle a \rangle_{\mathcal{B}}^c)$$

List of Project Geometries

1 polygon	Anderson Bay snow goose and Ross's goose nesting colony, where I propose to study the birds annually May-August. We will select a temporary camp site in June 2025, within the highlighted polygon. There are no known archaeological or paleontological historical sites in this area.
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