

$\gamma_b \Delta^c \dot{\gamma} \cap \sigma^b \quad \wedge c_n \nabla^{\gamma_b} \gamma \sigma \nabla^n \nabla^a l^a \sigma^b$

ᐱᕈᑦ ᓇᓂᕋᑦ ᓄᓪᓗᒃᓴᑦ ᓄᓪᓚᑦ / ᐱᕈᕏᔨᑦ: Aziz Kheraj, 994458 Nunavut Limited Land use type: Tourism Activities, Airport, aziz.kheraj@gmail.com Phone: 1-(867)-252-3838 Address: House 112, Box 300, Resolute Bay X0A 0V0 Project description: Arctic Haven Lodge is located on Ennadai Lake. The lodge is an arctic wildlife-viewing based adventure lodge. (<https://www.weberarctic.com>) The lodge supports up to 20 guests a week from all over the world. The only mode of transportation in and out of the lodge is by aircraft from Yellowknife. The lodge has a 3200ft gravel airstrip. To facilitate and accommodate our seasonal lodge operations along with the aircraft charter company regulations, we are in need of extending the overall length of the airstrip by 800 feet. The extension of the airstrip will be on the northwest end of the current airstrip. See attached image. The project will be undertaken over several seasons. The gravel needed for this work is about 500 cubic meters. Currently the northwest end of the airstrip is at a much higher level than the southeast end. We will be effectively levelling the airstrip and using the excess material to extend the airstrip. We will not need to displace material from a different location other than the current airstrip. The equipment used for the project is already on location at Arctic Haven. We will be using a dump truck, bulldozer, small excavator and compactor to transport and move the material. We are not aware of any short or long term environmental implications by this project. The material being displaced is sand and light gravel. The location of the proposed extension is already cleared of trees and brush from when the original construction of the airstrip took place back in the year 2000. No water sources are being redirected or displaced for this project. No new roads or gravel quarry will be made for the purpose of moving material. All the work roads are performed on the existing airstrip and lodge roads. As Arctic Haven Lodge is wildlife viewing based it is essential for the nature of business that the flora and fauna remains intact and the landscape is disrupted to a minimal. No new lodge infrastructure will be required to house the workers. Proposed dates for multi-year construction phase: 2021-06-01 - 2025-10-15 Operational season: June 1st - September 15th Workers on site: 6 people for approximately 75 days *See image below for more details on location.

▷ ΔΑΠΝΩ: N/A

[illegible]

Inuinnaqtun: N/A

Personnel on site: 6

Days on site: 75

Total Person days: 450

Operations Phase: from 2020-06-12 to 2025-10-09

Operations Phase: from 2021-05-26 to 2025-10-09

Post-Closure Phase: from to

$$\Lambda \subset \mathbb{N} \subset \mathbb{Z} \subset \mathbb{R} \subset \mathbb{C}$$

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Arctic Haven Airstrip location	Tourism Activities	Crown	Arctic Haven lodge on Ennadai Lake. Extension of current airstrip	No archaeological sites on location	Arviat 400km east of Arctic Haven Lodge

$\frac{m}{n} \cdot \frac{a}{b} = \frac{ma}{nb}$

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ᐃᑦᑭᑦᑭᑦ	No community envolvment	We have inuit workers we hire from Arcitc Bay which are part of the Arctic Haven constrocuion crew.	2021-06-01

[illegible]

$a^b r^c \Delta$ $\Delta^e \sigma^f \gamma^g$ $\partial\partial\delta\epsilon$:

Kivalliq

$\epsilon \Delta^{\alpha} j^c \wedge J^{\omega} e_D \dot{n} \lrcorner R^{\alpha\beta} C D F L \downarrow^c$

[illegible]

Project transportation types

Transportation Type	Transportation Mode	Length of Use
Air		

Project accomodation types

Permanent Camp

◁▷ℒ▷σ◁⁹⁶▷⁹⁶

[illegible]

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Bull dozer	500	Cu MTS	Move gravel and sand
John Deere 450 Bulldozer	1	N/A	Moving material
Kubota Excavator XC 90	1	N/A	Moving material
Dump Truck International model	1	N/A	moving material
Compactor tow behind 10000 lbs vibratory compactor	1	N/A	compacting runway

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[illegible]

$\Delta L^{\epsilon_b} \quad \triangleleft \triangleright^{\epsilon_b} \subset \triangleright \triangleleft \dot{L}^{\epsilon_b} \triangleright^{\epsilon_b}$

D ^c C ⁱ D ^s C ^d D ^s	D ^s C ^s C ^s D ^s C ^c	P ^c D ^s C ^s C ^s D ^s C ^c
0	We will be using the Arctic Haven lodge facilities. We have a water permit for the lodge. No other methods of water retrieval will be needed or used.	Ennadai Lake

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

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Tourism Activities	ᓂᑭᑦᑐᑦᑐᑦᑐᑦ	N/A	We will be using Arctic Haven facilities for the workers. No secondary camp will be built. The lodge has approved septic system.	Septic system

[illegible]

We are not aware of any short or long term environmental implications for this project. The material being displaced is sand and light gravel. We are not adding foreign material or liquids such as concrete to the ground or material being moved. The location of the proposed extension is already cleared of trees and brush from when the original construction of the airstrip back in the year 2000. No water sources are being redirected or displaced for this project. No new roads or gravel quarry will be made for the purpose of moving material. There are no mammals or birds being displaced for the extension of the runway.

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

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The location of the proposed airstrip extension is located on the continuation of the current airstrip located on an esker. This is primary sand and fine gravel. The area is very dry with small dwarf birch and black spruce.

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No species of concern will be affected by this project. The construction will take place during the summer when the caribou have already migrated past Ennadai lake. The caribou migrate past during the last week of April first week of May. Any other animal species or bird life in the area would already be accustomed to the runway due to the fact that the proposed working area has already been cleared of tress when the original construction was made back in the early 2000's. The only issue could be fuel spill from a work vehicle, we have the proper fuel spill kits on site in case of an emergency.

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There are not archaeological sites in the area. No subsistence harvesting, trapping will be affected by this project.

Miscellaneous Project Information

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[illegible]

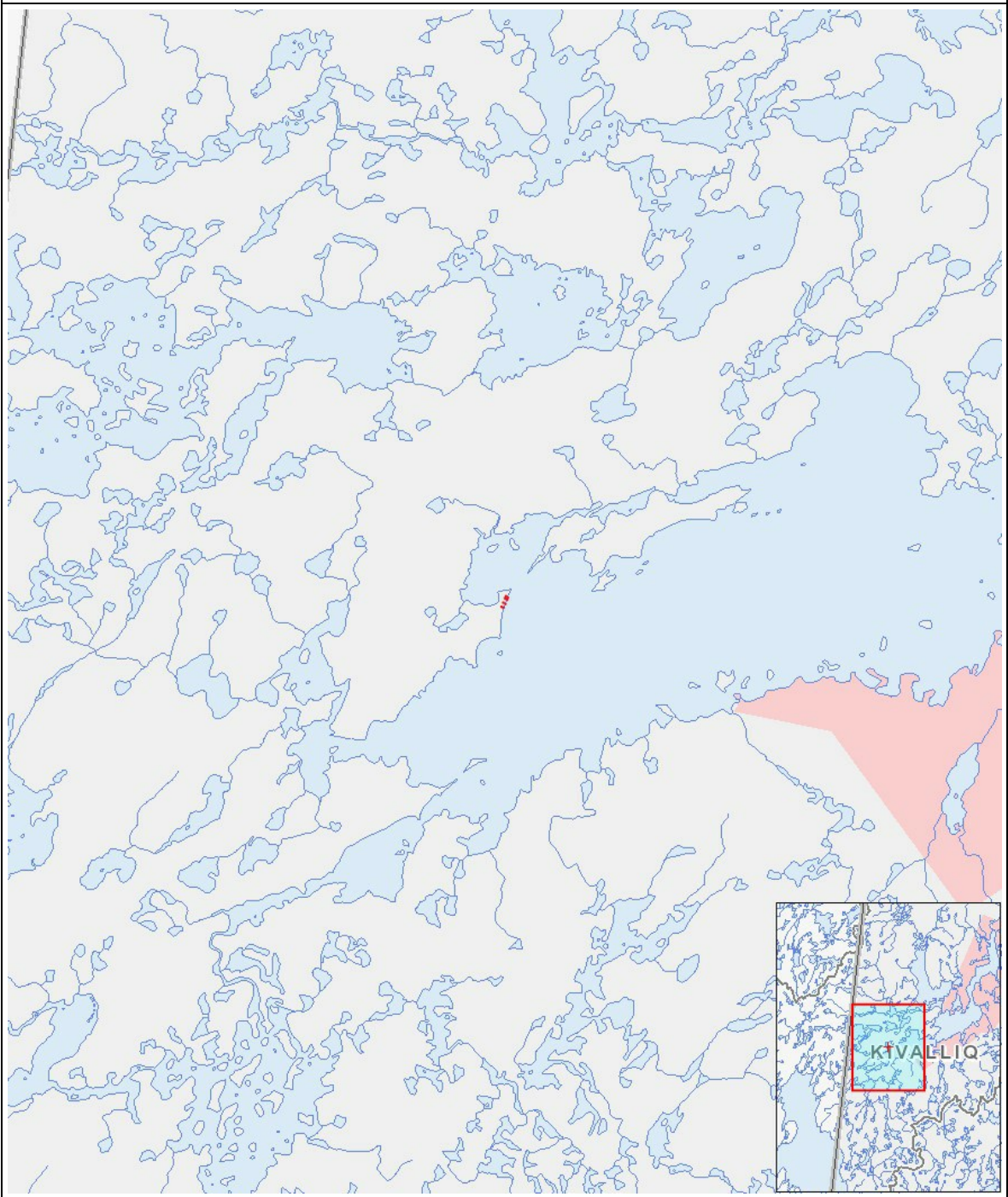
Cumulative Effects

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Impacts

$\omega \rightarrow \omega \Delta^{\frac{1}{2}} C D \sigma^{-\frac{1}{2}} r^C$ $\Delta \rho N F D C \dot{\sigma}^C \dot{D}^C$ $\Delta b \dot{D}^{\frac{1}{2}} C D r L \dot{r}^C$

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



List of Project Geometries

1	polyline	Arctic Haven Airstrip location
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