



## **NIRB Uuktuutinga Ihivriughikhamut #126174**

### **Investigative Studies for the Iqaluit Nukkiksautiit Project**

<b>Uuktuutinga Qanurittuq:</b>	New
<b>Havaap Qanurittunia:</b>	Scientific Research
<b>Uuktuutinga Ublua:</b>	Friday, April 25, 2025
<b>Period of operation:</b>	from 2025-07-02 to 2025-10-11
<b>Havauhikhaq</b>	Heather Shilton
<b>Ikayuqtinga:</b>	Nunavut Nukkiksautiit Corporation P.O. Box 1228 Iqaluit NU X0A0H0 Canada Hivayautit Nampanga:: 8672224658, Kayumiktukkut Nampanga::

# **QANURITTUT**

## **Tukihiannaqtunik havaariyauyumayumik uqauhiuyun**

Qablunaatitut: See attached description.

Uiviititut: To be translated and submitted

Inuktitut: To be translated and submitted

Inuinnaqtun: To be translated and submitted

### **Personnel**

Personnel on site: 10

Days on site: 119

Total Person days: 1190

Operations Phase: from 2025-07-02 to 2025-10-11

## Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaiyainnit nuna
Potential flooded extent of the reservoir	Airstrip use or construction	Crown	Hydrometric data collection currently ongoing.	Unknown. Archaeological studies to commence Summer 2025.	60km to Iqaluit. Near a caribou Calving Area.
Potential flooded extent of the reservoir	Baseline data	Crown	Hydrometric data collection currently ongoing.	Unknown. Archaeological studies to commence Summer 2025.	60km to Iqaluit. Near a caribou Calving Area.
Potential flooded extent of the reservoir	Camp	Crown	Hydrometric data collection currently ongoing.	Unknown. Archaeological studies to commence Summer 2025.	60km to Iqaluit. Near a caribou Calving Area.
Potential flooded extent of the reservoir	Aerial surveys	Crown	Hydrometric data collection currently ongoing.	Unknown. Archaeological studies to commence Summer 2025.	60km to Iqaluit. Near a caribou Calving Area.

## Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Information is not available			

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavut Imaligiyyit Katimayit	Authorization to Use Water / Deposit Waste Without a Licence	Not Yet Applied		
Nunavut Kavamanga, Avatiliriyikkut	Wildlife Research Permit	Not Yet Applied		
Indigenous and Northern Affairs Canada	CIRNAC - Class A Land Use Permit	Not Yet Applied		
Iqalukhiurniqmut Tariuqmilu Kaanata	Fish for Scientific Purposes Permit	Not Yet Applied		
Alaanut	Government of Nunavut, Department of Culture and Heritage - Class 1 Archaeological Research Permit	Applied, Decision Pending		

## Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	Helicopter and fixed wing plane	
Water	Small open boat with outboard motor for travel across the potential reservoir	
Land	By foot only	

## Project accomodation types

Temporary Camp

## Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
AutoSalt water flow monitoring systems	2	24.5 x 23 x 48 tall	The two AutoSalt monitoring systems will be commissioned in the Mckeand River to monitor water flow for a one-year period.

### Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Gasoline	fuel	350	20	7000	Liters	ATV Use
Diesel	fuel	200	20	4000	Liters	Camp Gensets
Diesel	fuel	526	20	10520	Liters	Tent Heat

### Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0	Treatment of local surface water via pumps.	Unknown at this point but in proximity to the camp.

# Iqqakuq

## Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Camp	Ikulalaaqtun iqqakuuvaluin	Unknown	Incinerated onsite using a Smart Ash incinerator, with remaining ash and non-incinerable waste slung back to Iqaluit.	N/A
Camp	Qirnarivyaktuq imaq	Unknown	Treated using a portable system or containerized for safe disposal.	N/A
Camp	Anaagun (inuin anaaguin)	Unknown	Collected in sealed containers and regularly flown out for proper disposal in Iqaluit.	N/A

### Avatiliriniqmut Ayurhaulingit:

Unknown.

# **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**

**Qanurittuq Ittunik Avatinga: Avatingalluanga**

**Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

**Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga**

**Miscellaneous Project Information**

**Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

**Tamatkiumayunik Ihuikgutivaktunik**



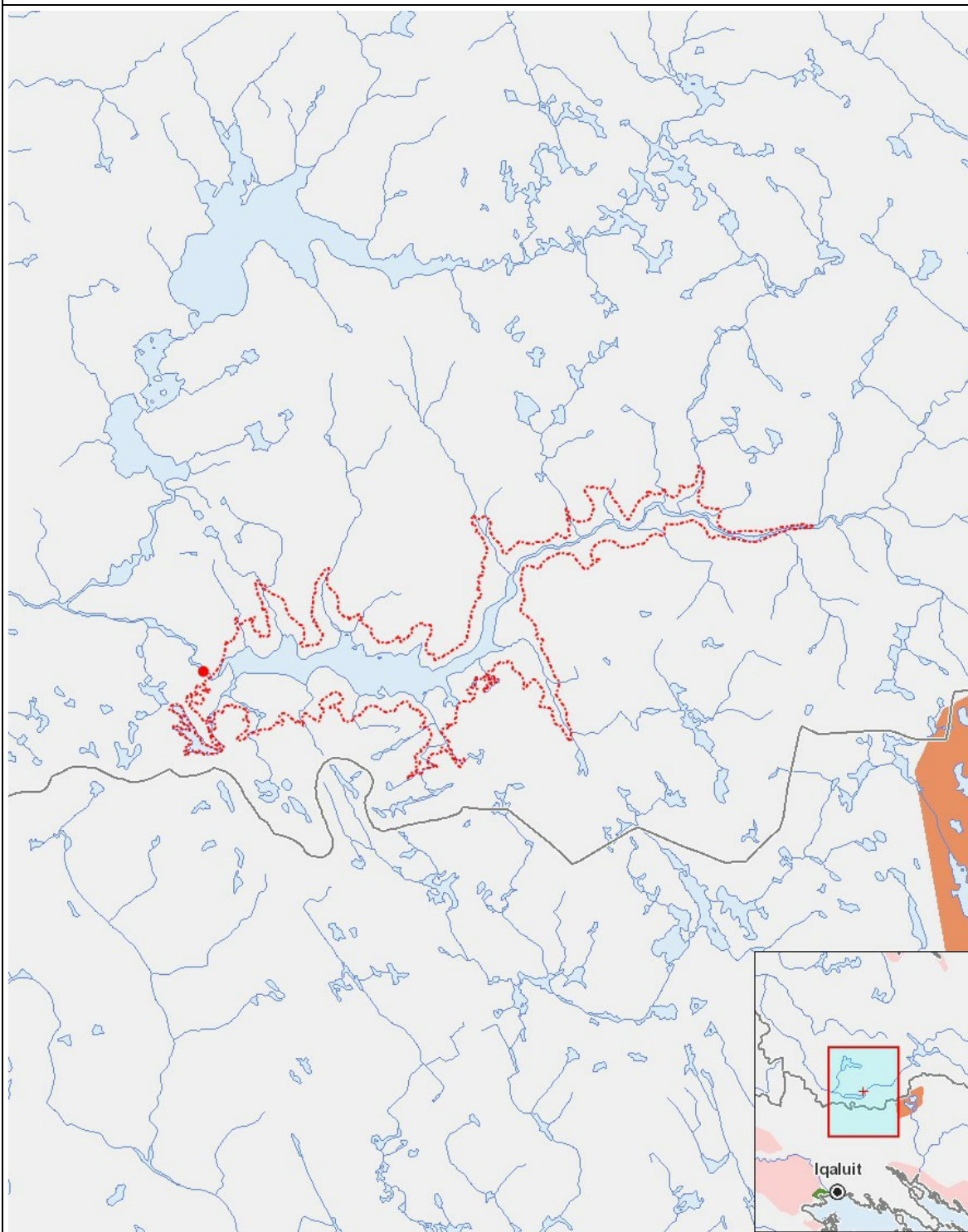
## Impacts

## Ilitariyauniq Avatiliriniqmut Ayurhautingit

[illegible]

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

## Havaariyauyukhamut Nayugaa



### List of Project Geometries

- |   |          |   |
|---|----------|---|
| 1 | polyline | Potential flooded extent of the reservoir |
| 2 | point    | Potential outflow location                |