



## **NIRB Uuktuutinga Ihivriughikhamut #126035**

### **IceBird Winter 2025**

<b>Uuktuutinga Qanurittuq:</b>	New
<b>Havaap Qanurittunia:</b>	Scientific Research
<b>Uuktuutinga Ublua:</b>	1/20/2025 1:54:04 PM
<b>Period of operation:</b>	from 2025-03-25 to 2025-04-13
<b>Havauhikhaq</b>	Christian Haas
<b>Ikayuqtinga:</b>	Alfred Wegener Institute Am Handelshafen 12 Bremerhaven Bremen 27570 Germany Hivayautit Nampanga:: +4915237088703, Kayumiktukkut Nampanga::

## Tukihianaqatunik havaariyauyumayumik uqauhiuyun

Uiviititut: n/a

Inuinnaqtun: n/a

Personnel on site: 7

Days on site: 6

Total Person days: 42

Operations Phase: from 2025-03-25 to 2025-04-13

# Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
Cambridge Bay	Aerial surveys	Marine	n/a	n/a	>35 km

## Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Ikaluktuttiak	Daniel Kramer, U Sherbrooke	HTC	2025-02-13
Ikaluktuttiak	Trevor Bell	SmartIce	2025-02-03

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavunmi Ihivriuqniqmut Timiqutigiyanga	Research license from NRIPreviously 0201924R-M	Applied, Decision Pending		

## Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	Airborne sea ice surveys with own DC3/Basler	

## Project accomodation types

Nunauyuq

# Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Basler BT-67 (DC3) airplane	1	N/A	Research flights and ferrying equipment & passengers

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Aviation fuel	fuel	1	16000	16000	Liters	For survey flights. Fuelling will take place at local community airports YCB, YRB

## Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0		

# Iqqakuq

## Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Information is not available				

### Avatiliriniqmut Ayurhautingit:

Our surveys take place at 200, 1100, and 1500 ft flying altitude, with a speed of 120 knots. The only impact is short-term noise from the aircraft, particularly during the overflight at 200 ft. However, noise is limited due to the fact that only one overflight takes place at any location as the low altitude surveys take place along extended single lines. For the larger altitudes, aircraft presence is limited to a maximum of several overflights during one hour, and only on one day. The impact of these flights is minimal and we have permission to carry them out even in Antarctica where the strictest environmental requirements worldwide exist.

# **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**

We continue to intend to carry out surveys in all the following places/communities:- Resolute Bay- Pond Inlet- Cambridge Bay- Qikiqtarjuaq,- Eureka, and- AlertWe plan to carry out such surveys for at least another two years (note that we have been doing this at least since 2017, in continuation of the surveys I started as a Canada Research Chair in 2007), and therefore it would be great to approve the project for five years and to renew it on an annual basis during that time.

**Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit****Tamatkiumayunik Ihuikgutivaktunik**



Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

		PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health	
Havakvinga																											
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Aulapkaininnga																											
Aerial surveys		M	U	U	-	U	U	U	U	U	U	U	M	M		U	M	M	U	M		U	P	P	U	U	
Piiqtauniq																											
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(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)



List of Project Geometries

1	polygon	Last Ice Area
2	polygon	Victoria Strait
3	polygon	Penny Strait
4	polygon	Pond Inlet
5	polygon	Qikiqtarjuaq
6	point	Eureka
7	point	Resolute Bay
8	point	Cambridge Bay