



NIRB Uuktuutinga Ihivriughikhamut #125739

Atmospheric monitoring observatory in Canadian Arctic

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Scientific Research

Uuktuutinga Ublua: 8/24/2022 12:18:20 AM

Period of operation: from 0001-01-01 to 0001-01-01

Piumayaat Angirutinga: from 0001-01-01 to 0001-01-01

Havauhikhaq Ikayuqtinga: Rohit Srivastava
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Hivayautit Nampanga:: +919274584406, Kayumiktukkut Nampanga::

Operations Phase: from 2022-11-01 to 2026-10-30

Hulilukaarutit

| Inigiya | Hulilukaarut Qanurittuq | Nunannga Qanurittaakhaanik | Initurlinga qanuritpa | Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga | Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna |
|---|---|-------------------------------|--------------------------|--|--|
| Canadian High Arctic Research Station (CHARS) | Scientific/International Polar Year Research | Municipal | CHARS station | CHARS station | Not applicable |

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

| Nunauyuq | Atia | Timiuyuq | Upluani Uqaqatigiyaungmata |
|--------------|------------------|---|-------------------------------|
| Ikaluktutiak | Beverly Maksagak | Ekaluktutiak Hunters and Trappers Organization | 2022-07-27 |

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Kitikmeot

Angiuttauvaktunik

| Munariniqmut Ayuittiaqtuq | Angirutinga Qanurittuq | Tadja Qanurittaakhaanik | Ublua Tuniyauyuq/Uuktuqtuq | Umikvikhaa Ublua |
|--|--|------------------------------|-------------------------------|------------------|
| Nunavunmi Ihivriuqniqmut Timiqutigiyanga | Application submitted on 05 August 2022 | Applied, Decision Pending | 2022-08-05 | |

Project transportation types

| Transportation Type | Qanuq Atuqtauniarmangaa | Length of Use |
|------------------------|---|---------------|
| Air | We shall reach via air transport to Cambridge Bay | |

Project accomodation types

Permanent Camp

Ihuaqutivaluin Atuqtauyukhan

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

| Hanalrutit Qanurittuq | Qaffiuyut | Aktikkulaanga – Qanurittullu | Qanuq Atuqtauniarmangaa |
|--|-----------|------------------------------|---|
| Particulate Matter (PM2.5) High Volume Samplers | 01 | 3x2x2 | High Volume sampler PM2.5 is used to collect aerosol samples on filter paper for further chemical analysis and estimation of mass concentrations of different aerosol species in the size of less than 2.5 micrometres. |
| Particulate Matter (PM10) High Volume Samplers | 01 | 3x2x2 | High Volume sampler PM10 is used to collect aerosol samples on filter paper for further chemical analysis and estimation of mass concentrations of different aerosol species in the size of less than 10 micrometres. |
| Microwave Radiometer Profiler (MWRP) | 01 | 3x2x2 m | To measure vertical profiles of Temperature, Humidity, Liquid Water Path and water vapour |
| Laser Disdrometer | 1 | 3x1x1 m | To measure precipitation rate, the number of drops/particles, and liquid water content. |

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

| Qanurittuq urhuqyuaq hunavaluit aturninnga: | Urhuqyuaq Qanurittuq | Qaffiuyut qattaryut | Qattaryuk Aktikkulaanga | Atauttimut Qaffiuyut | Ilanga | Qanuq Atuqtauniarmangaa |
|---|----------------------|---------------------|-------------------------|----------------------|--------|-------------------------|
| No Fuel use | fuel | 0 | 0 | 0 | Liters | No Fuel use |
| No Hazardous Material or Chemical | hazardous | 0 | 0 | 0 | Liters | NA |

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 |
|---|-----------------------------|--|-----------------------------------|------------------------------------|
| Scientific/International Polar Year Research | Anaagun (inuin anaaguin) | 000 | As per usual practice of CHARS | As per usual practice of CHARS |

Avatiliriniqmut Ayurhautingit:

This is an atmospheric observation project and does not have any bad environmental impact

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

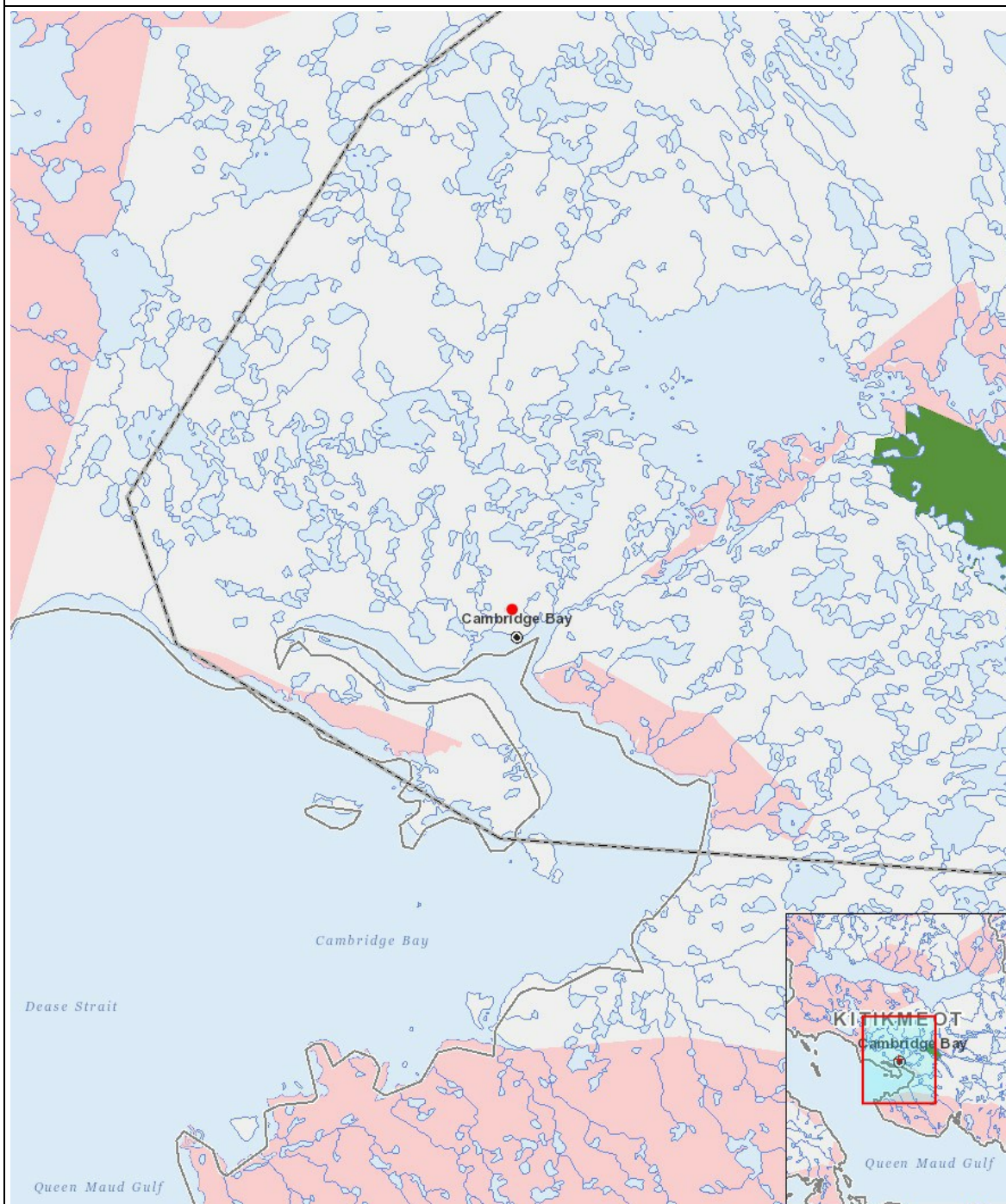
Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

| | 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 | - | | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | | - | - | - | - | - |
| Aulapkaininnga | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scientific/International Polar Year Research | | N | N | N | - | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | U | P | P | P | P |
| Piiqtauniq | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | | - | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | | - | - | - | - | - |

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

- | | | |
|---|-------|---|
| 1 | point | Canadian High Arctic Research Station (CHARS) |
|---|-------|---|