



## **NIRB Uuktuutinga Ihivriughikhamut #126475**

### **Namminiqsurniq Nunavut Ecosystems Field Course**

|                                |                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Uuktuutinga Qanurittuq:</b> | New                                                                                                                                        |
| <b>Havaap Qanurittunia:</b>    | Scientific Research                                                                                                                        |
| <b>Uuktuutinga Ublua:</b>      | Monday, July 27, 2026                                                                                                                      |
| <b>Period of operation:</b>    | from 2026-07-27 to 2027-03-31                                                                                                              |
| <b>Havauhikhaq</b>             | Jordan Hoffman                                                                                                                             |
| <b>Ikayuqtinga:</b>            | Royal Roads University<br>2005 Sooke Road<br>Victoria BC V9B 5Y2<br>Canada<br>Hivayautit Nampanga:: 647-223-3501, Kayumiktukkut Nampanga:: |

## Tukihianaqṭunik havaariyaumayumik uqauhiyun

**Qablunaatitut:** Introduction to Ecosystems and Environmental Processes: Applications is offered through the Namminiqurniq Professional Project Administrator Program (NPPA) in partnership with Royal Roads University for Nunavut Inuit learners hired through Crown-Indigenous Relations and Northern Affairs Canada's Nunavut Regional Office in Iqaluit as part of a six-month full-time learning program supporting Devolution-related employment. This course provides learners with applied ecological and environmental monitoring skills grounded in both Inuit knowledge and Western science. Learners will explore terrestrial, freshwater, and marine ecosystems surrounding Iqaluit through land-based learning, scientific measurement, and Inuit knowledge indicators. The course examines Inuit self-determination in research and monitoring through Inuit Tapiriit Kanatami's National Inuit Strategy on Research and explores how Inuit-led and community-driven approaches can support the management of Nunavut's lands, waters, wildlife, and natural resources. A significant portion of the course is field-based and includes hands-on training in ecological monitoring techniques such as water quality assessment, vegetation sampling, snow and ice measurements, wildlife observation and harvest monitoring, and oceanographic data collection. Some field activities are planned within Sylvia Grinnell Territorial Park and Katannilik Territorial Park, with two one-week field courses scheduled for July 2026 and March 2027, weather permitting.

Uiviititut: Introduction aux processus écosystémiques et environnementaux : Ce cours est offert aux personnes inuites du Nunavut embauchées par le bureau régional du ministère des Relations Couronne Autochtones et Affaires du Nord Canada, situé à Iqaluit, au Nunavut. L'inscription au cours se fait par l'entremise du Programme d'administration professionnelle de projet Namminiqsurniq, lequel est offert en partenariat avec l'Université Royal Roads dans le cadre d'un programme d'apprentissage à temps plein de six mois pour favoriser l'embauche dans des postes se rattachant au transfert des responsabilités. Le plan de cours comporte l'enseignement de compétences appliquées en veille écologique et environnementale fondé à la fois sur les connaissances inuites et sur la science occidentale. On y explore les écosystèmes qui entourent Iqaluit — à savoir, la terre, l'eau douce et l'écosystème marin — en ayant recours aux travaux sur le terrain, aux techniques de mesure scientifique et aux indicateurs de connaissances inuites. Il comporte aussi un examen de l'autodétermination inuite en recherche et en veille aux termes de la Stratégie nationale inuite sur la recherche de l'Inuit Tapiriit Kanatami, et des possibilités qu'offrent les approches sous direction inuite et locale quant à la gestion des terres, des eaux, de la faune et des ressources naturelles du Nunavut. Une part importante du cours consiste en activités de terrain qui comprennent une formation pratique aux techniques de veille écologique, telles que l'évaluation de la qualité de l'eau, le prélèvement de végétation, les mesures se rattachant à la neige et à la glace, l'observation de la faune, le suivi de récoltes, ainsi que la collecte de données océanographiques. Certaines de ces activités doivent se dérouler dans le parc territorial Sylvia Grinnell et le parc territorial Katannilik; deux de celles-ci s'étendent sur une semaine, l'une en juillet 2026 et l'autre en mars 2027, si la météo s'y prête.

[illegible]

Inuinnaqtun: Kangiqihpkaidjutit haffumunga Avatingnin uvalu Avatiliqinikkut Havauhiit: Uuktuutit hailihimajun talvuuna Namminiqsurniq Ajuittuni Havaktaujukhani Aulapkainikkut Pinahuarutimi (NPPA) paannariplugit ukuat Royal Roads University-kut ukununga Nunavunmi Inuit ajuiqhaqtun havaktitaujut talvuuna Kavamatuqatkut- Nunaqaqqaahimajuni Pidjutini uvanilu Ukiuqtaqtumi Kavamaliqijikkut Kanadami Nunavunmi Aviktuqhimanirmi Havagviani Iqalungni ilaupluni 6sini tatqiqhiutini ubluq-tamaat ajuiqharnikkut pinahuarutimi ikajurnikkut Nanminiqhurnikkut-pidjutiqaqtunik havaakhanun. Una ilihaidjut tunihijuq ilihaqtunun atuqhugit avatiliqinikkut imaalu avatiinun munaridjutit ajuitatik tungaviquaqtut tamangnun Inuit ilihimajaitigut imaalu Uataani nalunaqtuliqinikkut. Ilihaqtut qiniqhianaiaqtut nunatigut, tariup imangani, uvalu tariumi avatingit avatiini Iqaluit haffumuuna maniqami-pihimajut ilihagnirit, nalunaqtuliqinikkut aktilaangit, imaalu Inuit ilihimajaitigut naunajautit. Tamna ilihairutikhaq ihivriudjutiqaqtuq Inuit nanminikharnik atuqtakharnik ihivriudjutikharnik munaridjutikharniklu talvuuna Inuit Tapiriit Kanadami Nunarjuaptingnik Inuit Hanaqidjutikharnik talvuuna Ihivriurnikkut qiniqhijaangatlu qanuq Inuit hivulliqtiqhimajut nunalaanilu aulajut upautikharnik ikajuutiginiaqtun munaridjutikharnik Nunavutim nunagijainik, imarnik, uumayunik nunamilu hanaqidjutikharnik. Anginiqhaq ilanga ilihaidjut maniqami-pihimajuq imaalu ilaujut havakhimaaqhutik ilihaidjutinik nunatigut munaridjutit havauhiit imakkut qanuriniitigut ihivriurutit, nauhimajut uuktuutit, aput imaalu hiku aktilaangit, huradjanik tautukniq imaalu angujaujut munaridjutait, imaalu tariumi naunajautit katitiqhimajut. Ilangit maniqqami hulipkaidjutikhat upalungaijaqtauhimajut talvani Sylvia Grinnell Nunaptingni Min'nguiviani uvanilu Katannilik Aviktuqnianni Min'nguiviani, malruuk atauhirmi havainirmi maniqqami ilihagtakhat iniriqhimaqtut Taaqhivaliavia 2026 uumanilu Qiqaijalirvia 2027, hila nakuukpat.

Personnel on site: 15  
Days on site: 6  
Total Person days: 90  
Operations Phase: from 2026-07-27 to 2027-03-31

## Hulilukaarutit

| Inigiya                                                                                                  | Hulilukaarut Qanurittuq | Nunannga Qanurittaakhaanik | Initurlinga qanuritpa | Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga | Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|-------------------------|----------------------------|-----------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General areas travelled by boat/snowmobile in July/August 2026 and February/March 2027 for field course. | Sampling sites          | Marine                     | N/A                   | N/A                                                                           | Sampling will be conducted near Iqaluit, and within Sylvia Grinnell and Katannilik Territorial Parks. Marine sampling will be conducted with plankton tows in Frobisher Bay and Arctic char stomach content sampling in Frobisher Bay, Nungaarut, and Sylvia Grinnell.                                                                                                                                       |
| General areas travelled by boat/snowmobile in July/August 2026 and February/March 2027 for field course. | Sampling sites          | Inuit Owned Surface Lands  | N/A                   | N/A                                                                           | Land-based sampling will be conducted near Iqaluit, and within Sylvia Grinnell and Katannilik Territorial Parks. Land-based sampling will include quadratic sampling of vegetation recording visual observations and using photographs. No soil disturbance will take place and disturbance to vegetation will be limited. Care will be taken to avoid any potential archeological sites (e.g., tent rings). |
| General areas travelled by boat/snowmobile in July/August 2026 and February/March 2027 for field course. | Sampling sites          | Inuit Owned Surface Lands  | N/A                   | N/A                                                                           | Land-based sampling in winter will be conducted near Iqaluit, and within Sylvia Grinnell and Katannilik Territorial Parks. A limited number of snow and ice measurements will                                                                                                                                                                                                                                |

|  |  |  |  |  |                                           |
|--|--|--|--|--|-------------------------------------------|
|  |  |  |  |  | be taken to practice sampling techniques. |
|--|--|--|--|--|-------------------------------------------|

**Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun**

| Nunauyuq | Atia        | Timiuyuq                                 | Upluani<br>Uqaqatigiyaungmata |
|----------|-------------|------------------------------------------|-------------------------------|
| Iqaluit  | HTO Manager | Amaruq Hunters and Trappers Organization | 2026-07-21                    |

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

South Baffin

## Angiuttauvaktunik

| Munariniqmut<br>Ayuittiaqtuq                   | Angirutinga<br>Qanurittuq                                                                             | Tadja<br>Qanurittaakhaanik   | Ublua<br>Tuniyauyuq/Uuktuqtuq | Umikvikhaa<br>Ublua |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|---------------------|
| Iqalukhiurniqmut<br>Tariuqmilu Kaanata         | Arctic Region<br>Educational<br>Licence                                                               | Applied, Decision<br>Pending |                               |                     |
| Nunavunmi<br>Ihivriuqniqmut<br>Timiqutigiyanga | Exempt for<br>educational<br>activities                                                               | Active                       |                               |                     |
| Nunavut<br>Kavamanga,<br>Avatiliriyikkut       | GN Wildlife,<br>Exempt for scope<br>of activities                                                     | Active                       |                               |                     |
| Nunavut<br>Kavamanga,<br>Avatiliriyikkut       | GN Territorial<br>Parks, Park Use<br>Permit Sylvia<br>Grinnell and<br>Katannilik<br>Territorial Parks | Applied, Decision<br>Pending |                               |                     |
| Nunavut Imaligiyyit<br>Katimayit               | No approval for<br>water use or<br>waste deposit is<br>required based on<br>scope of activities       | Active                       |                               |                     |
| Qikiqtani Inuit<br>Katimayit                   | Land Use Permit<br>(Inuit Owned<br>Land)                                                              | Not Yet Applied              |                               |                     |

## Project transportation types

| Transportation<br>Type | Qanuq Atuqtauniarmangaa                                                                                                                                                                                                  | Length of Use |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Air                    | Instructor will travel from Prince Edward Island for two one week periods. 1-2 students will travel for two one week periods from Sanikiluaq and/or Montreal.                                                            |               |
| Water                  | Up to 4 vessels <30' in length Vessels will be used on 2 days in late July/early August 2026 to transport students from Iqaluit to areas for Arctic char fishing and plankton trawls in Frobisher Bay.                   |               |
| Land                   | Up to 20 snowmobiles <1200cc Snowmobiles will be used by outfitter/students for 3-4 days to transport students to areas surrounding Frobisher Bay and Iqaluit (e.g., Nungaarut and Jordan River) in February-March 2027. |               |

## Project accomodation types

Nunauyuq

# Ihuaqutivaluin Atuqtauyukhan

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

| Hanalrutit Qanurittuq | Qaffiuyut | Aktikkulaanga – Qanurittullu | Qanuq Atuqtauniarmangaa                                                                                                                                                                     |
|-----------------------|-----------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vessels               | 4         | <30'                         | Vessels will be used on 2 of the 5 days in late July/early August 2026 to transport students from Iqaluit to areas for Arctic char fishing and plankton trawls in Frobisher Bay.            |
| Snowmobile            | 20        | <1200cc                      | Snowmobiles will be used by outfitter/students for 3-4 days to transport students to areas surrounding Frobisher Bay and Iqaluit (e.g., Nungaarut and Jordan River) in February-March 2027. |

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturningga

| Qanurittuq urhuqyuaq hunavaluit aturningga: | Urhuqyuaq Qanurittuq | Qaffiuyut qattaryut | Qattaryuk Aktikkulaanga | Atauttimut Qaffiuyut | Ilanga | Qanuq Atuqtauniarmangaa                                                                                                                                                                                                          |
|---------------------------------------------|----------------------|---------------------|-------------------------|----------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gasoline                                    | fuel                 | 10                  | 20                      | 200                  | Liters | Up to 10 20L jerry cans will be used to transport spare gasoline for boats and snowmobiles during on the land activities in late July/early August 2026 and February March 2027 for up to 6 days total across both time periods. |

## Imaqmik Aturningga

| Ubluq qanuraaluk (m3) | Aturumayain imavaluin utiqittagaani qanuq | Atulirumayain imavaluin utiqittagani humi |
|-----------------------|-------------------------------------------|-------------------------------------------|
| 0                     | N/A                                       | N/A                                       |

# Iqqakuq

## Ikkakunik Munakgiyauyunik

| Havauhikhaq<br>Hulilukaarut | Qanurittuq<br>Iqqakut              | Ihumagiyauyuq<br>Qanuraaluktut<br>Atuqtait       | Qanuq<br>Iqqakuurniarmangaa                                                                                                                                                                                                                                         | Halummaqtirarnirutikhan<br>piyutin |
|-----------------------------|------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Other                       | Ikulalimanngittun<br>iqqakuuvaluin | <1 cubic metre<br>across all field<br>activities | All solid waste will be<br>brought back to<br>Iqaluit and disposed<br>of in the landfill.                                                                                                                                                                           | N/A                                |
| Other                       | Anaagun (inuin<br>anaaguin)        | <1 cubic metre<br>across all field<br>activities | Within Katannilik<br>Territorial Park and<br>Sylvia Grinnell<br>Territorial Park<br>outhouses will be<br>used by<br>students/outfitters for<br>human waste. In<br>areas without<br>outhouses human<br>waste will be buried<br>over 150m away from<br>water sources. | N/A                                |

### Avatiliriniqmut Ayurhauingit:

The proposed field course near Iqaluit will involve travel by boat during open-water conditions and snowmobile during winter, as well as Arctic char sampling, plankton sampling, and non-invasive vegetation sampling using quadrats. These activities have the potential to result in minor, localized, and temporary environmental effects. Mitigation Measures Travel by boat and snowmobile: -Use established travel routes - Minimize travel speeds near shorelines, wildlife, and bird habitat. -Carry spill response supplies and follow fuel handling procedures to prevent contamination. -Reduce unnecessary travel and idling. -Coordinate field activities to minimize the number of trips required. Arctic char sampling -Follow all applicable fisheries licences and regulations Vegetation sampling using quadrats -Limit foot traffic and avoid repeated trampling within sampling areas. -Avoid rare, sensitive, or culturally important plant communities. Designated environmental and wildlife protected areas (Territorial Parks) -Obtain all required permits and approvals before field activities. -Comply with park management plans, access restrictions, and seasonal closures.

# **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**

The project is occurring within the City of Iqaluit, within Katannilik Territorial Park and Sylvia Grinnell Territorial Park and in Frobisher Bay.

### **Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

The project is occurring within municipal boundaries, territorial parks, and Frobisher Bay. The main purpose of the activities is to teach Inuit employees of CIRNAC in a training program to learn sampling techniques used in ecological research and to practice analysis of sample data. A strong focus of the program is integrating respect and care for the land (Avatittinnik Kamatsiarniq) and Inuit Qaujimagatuqangit on Nunavut's ecosystems. Care will be taken to avoid disturbance (e.g., soil or vegetation disturbance) with a focus on passive sampling methods or sampling through harvested animals (e.g., Arctic char stomach contents).

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

Iqaluit's socio-economic environment is defined by its role as the capital of Nunavut and largest population. It features a dual economy—a modern public-sector hub coexisting with traditional Inuit practices—while facing critical challenges. Program activities are being conducted by new Inuit employees of Crown-Indigenous Relations and Northern Affairs Canada who are taking part in the Introduction to Ecosystems and Environmental Processes: Applications is offered through the Namminiqsurniq Professional Project Administrator Program in partnership with Royal Roads University. Through the program students will learn about the socioeconomic environment in Nunavut and how they can contribute positively to the overall environment in Nunavut.

## **Miscellaneous Project Information**

### **Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

-Potential disturbance of vegetation and soil while making visual observations of vegetation using quadrants. Proposed mitigation measures: Care will be taken to avoid areas susceptible to disturbance (e.g., loose soil or banks) and to use existing trail systems in territorial parks.-Potential for fuel spills for boat/snowmobiles. Proposed mitigation measures: Jerry cans used to transport fuel will be checked for loose caps and fuel will only be transported and used with jerry cans in good condition.-Potential disturbance of wildlife while travelling (boat/snowmobile) or during sampling. Proposed mitigation measures: Care will be taken by students/instructor to avoid observed wildlife while travelling or during sampling in territorial parks.

## **Tamatkiumayunik Ihuikgutivaktunik**

Many of the project areas (e.g., Sylvia Grinnell Territorial Park) are used by community members for camping and fishing. Contributions to cumulative effects are expected to be minimal as most activities are designed to be low disturbance and integrate principles around respect and care for the land and areas will be used to avoid disruption to harvesters/land users.

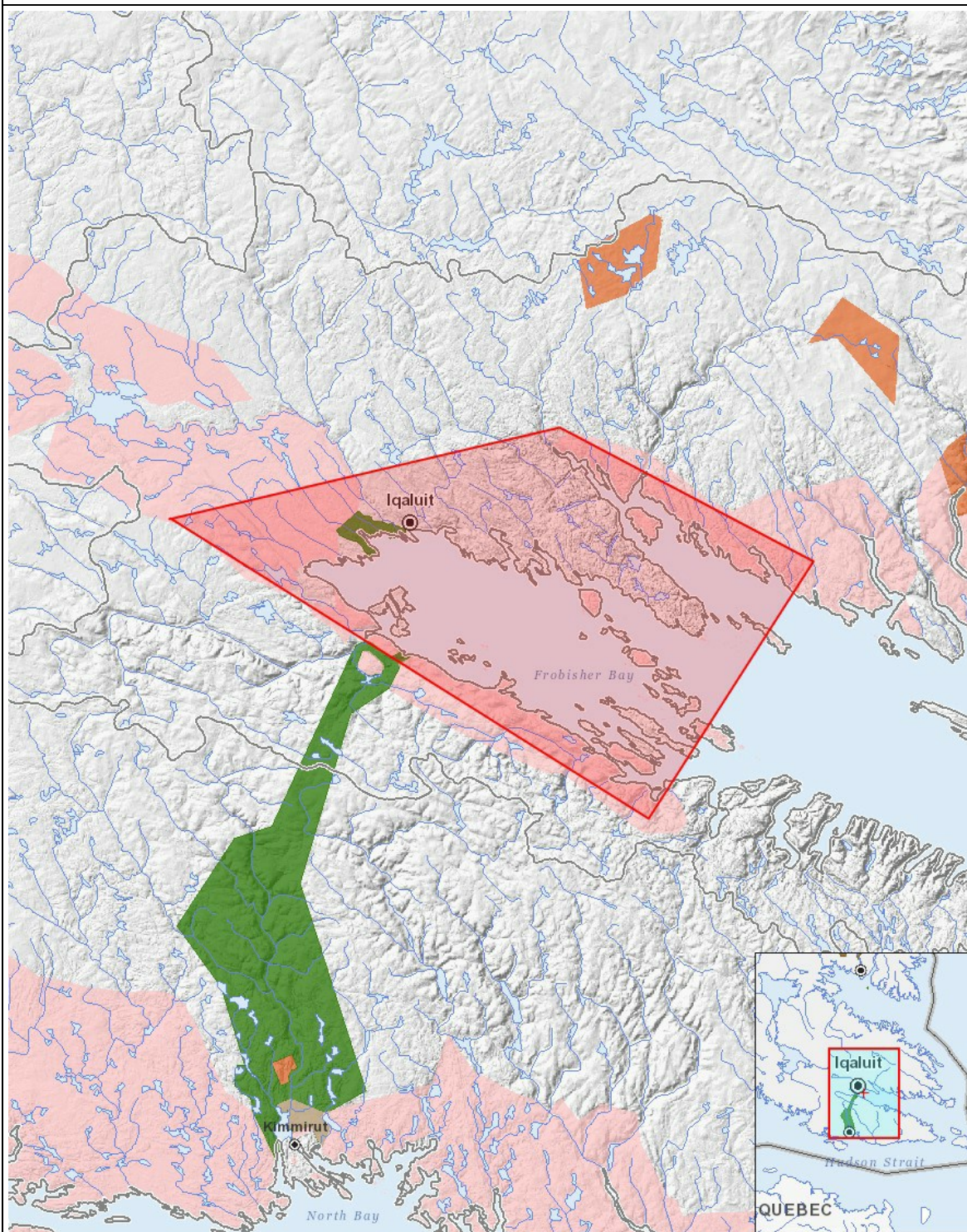
Impacts

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 |          | M                              | -                | -          | -                     | -             | -                  | -                                             | -                           | -                         | -                              | M           | M            |            | M          | M                                                  | M                                               | M                                                     | M                        |                | -                                          | P          | -                  | -                        | -            |
| Piiqtauniq     | -        | -                              | -                | -          | -                     | -             | -                  | -                                             | -                           | -                         | -                              | -           | -            | -          | -          | -                                                  | -                                               | -                                                     | -                        | -              | -                                          | -          | -                  | -                        | -            |

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

## Havaariyauyukhamut Nayugaa



### List of Project Geometries

- 1 polygon General areas travelled by boat/snowmobile in July/August 2026 and February/March 2027 for field course.