



Map Sheet No: **47D**

Inuit Land Parcel No:

**IG-11** (main project location - Qaiqsut)  
**HB-06** (Pinguqqalik)

Coordinate of camp (if applicable) Lat. **69.471234** Long. **-80.308345** (approximate)

**NOTE: Please specify projection, datum, and digital format. Please provide the data as an Arc Info cover, ArcView Shape file or an .E00 file.**

6. Periods of operation; including periods of seasonal shut down and periods for restoration.

**Two boat trips from Igloolik will be made—one to Qaiqsut (on Parcel IG-11), another to Pinguqqalik (on Parcel HB-06). Each of these will be day-visits (i.e., no overnight camping, and minimal impact on the sites and local environments). While the work is expected to last a maximum of three days, I'm requesting a longer access period in case weather does not permit travel on specific days.**

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases, and up to forty years for level III commercial leases)

Start date:  
**August 15<sup>th</sup>, 2022**

Completion Date:  
**October 1<sup>st</sup>, 2022**

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- NTI Subsurface Right
- DIAND Subsurface Right
- NWB Water License

- NRI Research License
- RWED Tourism License
- Explosives Permit

- CWS Permit
  - Other
- Specify: **NU DCH Archaeology Permit (Pending)**

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### 9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

#### Mining/Oil & Gas

- Staking and Prospecting
- Exploration (geophys-grd/air)
- Drilling (diamond/ice, etc)
- Mine (open pit, underground)
- Bulk fuel storage
- Other:

#### Construction:

- Camp
- Building
- Winter road
- All Season road
- Quarrying
- Other:

#### Tourism:

- Tourism facility
- Outfitting
- Other

**Municipality:**

**Research:**

**Other:**

<input type="checkbox"/> Bulk Storage <input type="checkbox"/> Residential Building <input type="checkbox"/> Commercial Building <input type="checkbox"/> Other:	<input type="checkbox"/> Wildlife/fish/birds/marine <input type="checkbox"/> Survey (grd/aerial/collars) <input type="checkbox"/> Collection of species <input type="checkbox"/> Research Station Other : <b>X</b> Archaeological survey	<input type="checkbox"/> Commercial harvest <input type="checkbox"/> Recreational Camp <input type="checkbox"/> Other
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**10. TYPE OF WATER USE**

Select the kind of project for which you will use the water, and the type of water use  
*Undertaking* *Water Use:*

<input type="checkbox"/> Advanced Exploration <input type="checkbox"/> Exploration Drilling <input type="checkbox"/> Industrial <input type="checkbox"/> Mine Development <input type="checkbox"/> Power <input type="checkbox"/> Remote/Tourism <input type="checkbox"/> Other: <b>drinking/washing (personal)</b>	<input type="checkbox"/> To Obtain Water <input type="checkbox"/> To Modify the bed or bank of water course <input type="checkbox"/> To Alter the flow of, or store water <input type="checkbox"/> To Cross the Watercourse <input type="checkbox"/> To Divert the Watercourse <input type="checkbox"/> Flood Control <input type="checkbox"/> Other:
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## 11. QUANTITY OF WATER INVOLVED

**Please include the quantity of water to be used during the Land Use activity**

No local water sources will be used at either Qaiqsut or Pingiqqalik. All water for personal crew use will be brought from Igloolik. We expect to be at each site only a few hours.

**Quantity of water to be used:**

N/A m<sup>3</sup>/year

**Quantity to be returned:**

N/A m<sup>3</sup>/year

## 12. WASTE

**Describe the type of waste produced by the activity**

- |   |   |
|---|---|
| <input type="checkbox"/> Bulky Items/Scrap metals | Describe: Any personal sewage waste produced will be buried. Any refuse will be returned to Igloolik. <b>No materials, structures or debris will remain on site at the close of the field season.</b> |
| <input type="checkbox"/> Grey water               |   |
| <input type="checkbox"/> Hazardous                |   |
| <input checked="" type="checkbox"/> Sewage        |   |
| <input type="checkbox"/> Sludge                   |   |
| <input type="checkbox"/> Solid waste              |   |
| <input type="checkbox"/> Waste Oil                |   |
| <input type="checkbox"/> Other:                   |   |

## 13. LAND USE PERMIT

**Select Land Use Permit You have been Issued**

<input type="checkbox"/> DIAND	date expected	
<input checked="" type="checkbox"/> Qikiqtani Inuit Association	date expected	August 1 <sup>st</sup> , 2022
<input type="checkbox"/> Commissioner	date expected	
<input type="checkbox"/> Department of Environment	date expected	

## 14. IMPACT

**Predicted environmental impacts of undertaking and proposed mitigation measures (direct, cumulative impacts)**

Describe: As archeologists, we are sensitive to any negative impacts on the integrity of the cultural and natural landscape. As we are proposing to carry out day-visits (i.e., no camping), the impacts of our activities on the natural environment will be minimal; additionally, our activities (survey and mapping) are non-invasive (i.e., no disturbance of the surface or digging). As noted previously, our three-person field crew will produce a small amount of personal waste and refuse. Any sewage will be buried, and the refuse will be returned to Igloolik for safe disposal at the close of excavations. Potentially hazardous materials on site include camp fuel (naptha), batteries and approximately five gallons of gasoline. The spill contingency plan will be reviewed with each member of the field crew prior to setting up camp. Any significant sightings of wildlife will be recorded and reported to the Igloolik Hunters and Trappers Association; however, no wildlife will be disturbed during the course of this field season, and all efforts will be made to reduce contact.

**NPC conformity check**  
**NIRB Screening**

**\*\*PLEASE NOTE QIA TO FORWARD APPLICATION TO NPC & NIRB**

**15. Proposed Time Schedule**

Same as the Land Use

Check for **Annual Work**, specify the days of operation [Leave unchecked for multi year work]

Start day

Completion date

**16. On a separate page, provide a NON-TECHNICAL project summary.** This should include a non-technical description of the project proposal, no more than 300 words, in **English and Inuktitut**. The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

**17. Attach a detailed project description as outlined in APPENDIX A.**

**18. Land Use Application Fees:**

Land Use License I	
<input type="checkbox"/>	Inuit \$0
<input type="checkbox"/>	Non-Inuit \$250.00
<input type="checkbox"/>	Land Use License II \$500.00
<input type="checkbox"/>	Land Use License III \$1000.00
Residential/Recreational Lease	
<input type="checkbox"/>	Inuit \$0
<input type="checkbox"/>	Non-Inuit \$250.00
<input checked="" type="checkbox"/>	Exemption Certificate \$0
<input type="checkbox"/>	Commercial Lease I \$500.00
<input type="checkbox"/>	Commercial Lease II \$2500.00
<input type="checkbox"/>	Commercial Lease III \$5000.00
<input type="checkbox"/>	Right of Way Agreement \$500

Land use fees: # of hectares used @ \$50.00/hectare = \$ \_\_\_\_\_

**Note:** The land use fee is for the amount of land used on an annual basis.

## 19. Water Application Fees:

*Water License Application type:*

- For Land Use license Class I  
the corresponding *Water Application fee* is **\$50.00** per year plus **\$ 1** for Water use charge, *Volumetric fee*, **Total \$51** every year
  
- For Land Use License Class II the  
corresponding *Water Application fee* is  
**\$250.00** every year plus **\$ 1** for Water use charge, *Volumetric fee*,  
**Total \$251.00** every year
  
- For Land Use License III  
The corresponding *Water Application fee* is **\$500.00** every 2 years and  
**\$26.35/1000m<sup>3</sup>** for Water Use charge *Volumetric fee*. **Total \$276.35**  
every year
  
- For Commercial Lease I  
The corresponding *Water Application fee* is **\$50.00** and **\$ 26.35 /1000m<sup>3</sup>**  
for Water use charge, *Volumetric fee*. **Total \$76.35** every year
  
- For Commercial Lease II  
The corresponding *Water Application fee* is **\$500.00** and **\$ 26.35 /1000m<sup>3</sup>**  
for Water use charge, *Volumetric fee*. **Total \$526.35** every year
  
- For Commercial Lease III,  
The corresponding *Water Application fee* is **\$5000.00** and **\$ 26.35**  
**/1000m<sup>3</sup>** for Water use charge, *Volumetric fee*. **Total \$5026.35** every year

Water Use Fee [Volumetric fee]: # volume water use (m<sup>3</sup>) \* \$26.35/1000m<sup>3</sup> = \$ \_\_\_\_\_

**Note:** The water application type is related to the Land use application type. A water Protection fee will be charged according to the type and stage of the development project.

20. a) The Applicant request a Certificate of Exemption

or

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land User License or Lease



Sean Desjardins

Sign name in full:

Signature

Date March 29th, 2022

## **APPENDIX A**

**All applicants must provide a detailed project description that includes ALL of the following:**

1. Outline project activities, their necessity, their expected duration and alternatives considered. If the proposed activity fits into any long-term developments, describe the projected outcome of the development for the area and its timeline.
2. Schedule of activities including both operations and shutdowns.
3. Provide a preliminary plan showing the location of the lands proposed to be used and an estimate of their area in hectares. The preliminary plan should show the approximate location of all:
  - i) existing or new lines, trails, rights-of-way and cleared areas proposed to be used in the exercise of the Right;
  - ii) buildings, campsites, air landing strips, air navigation aids, fuel and supply storage sites, waste disposal sites, excavations, ponds, reservoirs and other works and places proposed to be constructed or used during the exercise of the Right;
  - iii) manmade structures and works, including bridges, dams, ditches, highways, roads, transmission lines, pipelines, survey lines and monuments, air landing strips; all topographical and natural features, including eskers, rivers, streams, lakes, inland seas and ponds; and all areas of biological interest, including wildlife and fish habitat, specifically, calving, denning, spawning or nesting areas, identified in consultation with the NWMB, RWO, or HTO, as appropriate, that may be affected by the exercise of the Right; and
  - iv) the accurate location of all carving stone, archaeological sites, and archaeological specimens.
4. Provide a list of structures that will be erected.
5. Equipment to be used, indicating type and number, size and ground pressure and proposed use. Include all drills, pumps, vehicles etc.
6. Fuels to be used, capacity of containers and number of litres. Include diesel, gasoline, aviation fuel, propane and other fuel types. Describe method of fuel transfer.
7. Provide a copy of fuel spill contingency plan.
8. Describe the methods of transportation.
9. Indicate the components of the environment that are near the project area, as applicable. Include the type of species, the important habitat area (calving, staging, denning, migratory pathways, spawning, nesting etc.), and the critical time periods (calving, post-calving, spawning, nesting, breeding etc.). Also, include information on eskers, communities, and historical/archaeological sites.
10. Summary of potential environmental, wildlife and resource impacts and mitigation measures to be used. Describe the effects of the proposed program on lands, water, flora and fauna.
11. Reclamation cost analysis for advanced exploration activities.

12. Proposed reclamation plan, that includes, but is not limited to the proposed methods and procedures for the progressive:

- i) removal of all structures, equipment, and other manmade debris;
- ii) rehabilitation of the area to its previous standard of human utilization and natural productivity;
- iii) replacement of overburden and soil;
- iv) grading of the area back to its natural contours; and
- v) re-establishment, to the extent possible, of flora.

Include information about on going site remediation throughout the duration of the project.

13. Indicate the number of Inuit to be employed, the Inuit firms to be contracted, and the socio-economic benefits to the area.

**In addition to the above requirements, COMMERCIAL LEASE APPLICANTS must provide the following information:**

- If the land is surveyed, state the lot and block number. If unsurveyed, state the size of the parcel and general area. Provide a detailed description and detailed sketch of the area applied for.
- Describe the type of commercial use.

**In addition to the above requirements, RESIDENTIAL/RECREATIONAL LEASE APPLICANTS must provide the following information:**

- If the land is surveyed, state the lot and block number. If unsurveyed, state the size of the parcel and general area. Provide a detailed description and detailed sketch of the area applied for.
- For what purposes will the land be used? Describe any buildings or improvements on this land. What is the value of the improvements on the land and who is the owner of the improvements.
- Provide a list of improvements planned for construction, the value of these improvements and within how many months of the effective date of the lease these improvements be finished.

**In addition to the above requirements, QUARRY LICENSE or QUARRY CONCESSION AGREEMENT applicants must provide the following information:**

- A description by meters and bounds of the land applied for;
- The name of the specified substances that the applicant desires to remove from the area; and
- A sketch showing clearly the position of the parcel in relation to a survey monument, prominent topographical feature or other known point and shown in its margin, copies of the markings on the posts or cairns.
- If for commercial use, the description shall contain an affidavit sworn by the applicant setting forth:
  - i) that the land contains material of the kind applied for in merchantable quantities;
  - ii) that the volume of specified substances are required for a project that has been approved by the appropriate level of government; and
  - iii) that the applicant has obtained a contract for the delivery of those Specified Substances.

**Please prepare this project description on a separate sheet of paper and attach it to your application form marked as APPENDIX A. Return the original, signed and dated application form, with attached APPENDICES A and all ORIGINAL maps of the area to QIA Lands Office at Box 1340, Iqaluit, NU, X0A 0H0.**

## APPENDIX A – Project Description (Full)

### INTRODUCTION TO THE PROJECT

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Since around AD 1300, traditional life for Inuit has changed dramatically due in part to climate change (both warming and cooling episodes) and—more recently—the impacts of settler colonialism. Through both archaeological and anthropological (ethnographic) fieldwork, I am investigating and reconstructing the long-term subsistence and settlement regimes of Amitturmiut/Iglulingmiut in northern Foxe Basin. The goal of this project is to determine how and why some traditional practices, such as subsistence hunting, could be successfully adapted to social and ecological stresses, while others, such as traditional architecture and shamanic belief systems, faded away over time.

Such work requires not only focused archaeological investigation (survey and limited excavation), but also close collaboration with Inuit elders—many of whom are only a half century or so removed from a seasonally-mobile life on the land. The project began with a highly-successful season of pilot research with Iglulingmiut elders at Avvajja (NiHg-1) over the summer of 2018, and continued with larger-scale archaeological survey and excavation at the long-occupied hunting camp Uglit (NfHd-1) in 2019. I will continue this important research through survey data collection at **Qaiqsut** (NiHa-1) (IOL Parcel IG-11) and **Pingiqqalik** (NgHd-1) (IOL Parcel HB-06) over approximately two days between August 15-30, 2022.

### BACKGROUND: PREVIOUS RESEARCH

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The most recent focus of fieldwork for *Limited Choices, Lasting Traditions* project was Uglit (68.985054, -81.131074), a large and well-preserved marine-mammal hunting camp approximately 45 kilometers southeast of Igloolik. In addition to Dr. Sean Desjardins (PI), the field crew consisted of Dr. Scott Rufolo, an archaeologist and paleontologist at the Canadian Museum of Nature (CMN); Dr. Rocco Palermo, a landscape archaeologist and GIS specialist at the University of Groningen; Ms. Matilda Siebrecht, an Arctic Centre PhD student I supervise who focuses on Arctic material culture analysis; Jelke Take, an undergraduate student from the Groningen Institute of Archaeology and Igloolik resident Mr. Salomon Mikki, an Inuk enrolled under the Nunavut Agreement, who serve as our guide and polar bear monitor. (Mr. Mikki's immediate family also camped alongside us for the duration of the project.)

The work produced the most detailed cultural and topographic map of the area to date, as well as descriptions of hundreds of new Neo-Inuit house, tent-ring and cache features blanketing the length and breadth of the island. Ultimately, the results will provide valuable information on the Postclassic Thule Inuit experience in this resource-rich region. Thorough artifact and zooarchaeological analyses of the well-preserved material culture collected in 2019 are ongoing. All material is being securely held at the CMN's Natural Heritage Campus in Gatineau, Quebec. As at Avvajja in 2018, no Inuit sod houses were dug within or otherwise disturbed over the course of the research. Notably, select artifacts we recovered from Uglit will be featured in *Planet Ice*, a major upcoming exhibit at the CMN.

Engagement with both elders and youth is a continued priority for the *Limited Choices, Lasting Traditions* project. For this reason, I worked closely with representatives of the Inuit Heritage Trust (IHT) in Iqaluit to facilitate a one-week archaeological field school during the 2019 field season for three local high-school students. Supervised in the field by our field crew and IHT staffer Ms. Zipporah Ungalaq, students gained a number of valuable, transferable skills. Importantly, Ms. Ungalaq and Mr. Mikki helped to transmit important cultural knowledge about the site both to the field school students and our crew. Indeed, among Iglulingmiut, there exists much traditional knowledge—transmitted orally by earlier generations—of Inuit life at Uglit and other sites the Foxe Basin region. For this reason, I traveled to Igloolik in February and March 2020 to interview a notable local elder (with a social science research license from NRI). I also consulted with the Mayor, the Board of the Igloolik HTO and the wider community via a public presentation on the research plan.

### PROPOSED RESEARCH AT PINGIQQALIK AND QAIQSUT (AUGUST 2022)

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Between August 15<sup>th</sup> and 30<sup>th</sup>, the field crew will embark on two day-trips by boat to the field locales (i.e., no field camps will be set up). **Qaiqsut** (aka, Qaersut, Kaersut) is a multicomponent (Dorset/Tuniit and Thule-to-historic Inuit (ca. AD 1280-1900) village site situated on the northern half of the southernmost island in a three-island chain at approximately 69.471234, -80.308345. (The chain is known in English as the Calthorpe Islands.) Sitting between approximately seven and 20 meters above sea level, the site was previously investigated in 1954 by Danish archaeologist Jørgen Meldgaard, who recorded nine Paleo-Inuit houses (see NWT 54-148). The island was revisited by Sylvie Leblanc in 2012, and is well known among Iglulingmiut as a once-important historic (Inuit) campsite prior to the settlement of Igloodik in the 1960s. The Second focus site for the project—**Pingiqqalik** (aka, Pingerkalik, Pinger Point)—is a much larger multicomponent campsite situated on a peninsula of the same name some 38 kilometers southeast of Igloodik at approximately 69.096564, -81.261544. (I carried out research at the site's robust Thule Inuit houses and middens over the summer of 2012—see CLEY Permit 2012-21A).

Our field activities at both sites will be limited to non-invasive practices; we will

- (a) photograph the entirety of the site areas, aerially, using a drone, and (time permitting)
- (b) map select areas of particular interest (e.g., house-rows or unusual features) using differential GPS (DGPS) technology.

As in previous years, this work will be carried out with permits from the Department of Culture and Heritage (Archaeology and Paleontology Class II Permit) and Because both Qaiqsut and Pingiqqalik are located on Inuit Owned Lands (IOL), a land use exemption is being requested from the Qikiqtani Inuit Association (QIA). While we do not necessarily anticipate discovering artifacts on the surface, I am applying for a Class. II archaeological permit from the Department of Culture and Heritage in case we encounter any objects on the surface in need of collection and conservation. Under such circumstances, the artifacts will be conserved and housed at the Canadian Museum of Nature's Natural Heritage Campus in Gatineau, QC—the official repository for Nunavut's archaeological material.

The 2022 field crew will consist of Desjardins, Siebrecht and Ms. Emily Ruiz-Puerta (all of the Arctic Centre, University of Groningen), as well as members of the Kadlutsiak and Mikki families (of Iglulik), who will serve as guides and bear monitors. We will also employ a local beneficiary student who will be trained in drone operation and mapping.

## RESEARCH EXPERIENCE AND PREPARATION

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As PI of the *Limited Choices, Lasting Traditions* project, I have more than a decade of experience of active field and laboratory research in Arctic archaeology, and I have previously led (as Principal Investigator) successful archaeological field excavations and surveys in remote locales in northern Foxe Basin. This has involved designing research plans, selecting and training field crew members, managing camp logistics and supervising day-to-day fieldwork. I also have extensive experience managing, conserving and analysing large collections of artifacts and archaeofaunal material. Importantly, I have a demonstrated record of close collaboration with Inuit and government stakeholders. In the fall of 2013, I was granted special permission by the local Native authority to observe the traditional Yup'ik walrus hunt at Round Island (Qayassiq), Bristol Bay, Alaska; prior to this, no outside researcher had been allowed to document the hunt. In recent years, I have built particularly strong working relationships with Inuit elders and hunters in Igloodik and surrounding areas, and I look forward to continuing to integrate their perspectives into my research.

I also have experience working closely and productively with elders. In 2018, Nunavut Territorial Archaeologist Dr. Sylvie LeBlanc and I organized a reunion at Avvajja for Iglulingmiut with ancestral ties to the site; for an entire day, eight elders and approximately 140 of their relatives visited the site, feasted on country food, and traded stories about life in the region in the early 20th century.

## APPENDIX A – Spill Contingency Plan

### Potentially hazardous materials:

- 5 gallons of **gasoline** for use in a small generator.
- A very small number (approximately 20) of AA and AAA alkaline **batteries** for use in personal electronic gear.
- **Raw sewage.**

### Preventative measures:

All field crew members will be trained in proper handling of potentially hazardous materials. Personal protective gear will be worn at all times when handling said materials. Camp fuel and gasoline will be stored separately in near the boat landing site, with at least two layers of nylon, canvas or plastic between the containers and the ground surface. All canisters will be checked regularly for leaks.

### Action plan:

In the event a leak is detected in the **gasoline** container, the remaining gasoline will be transferred to a new container, and the spill will be cleaned. Any potential spill will be no greater than 5 gallons; no significant environmental impact is anticipated. In the event a leak is detected, the nearest able person will don protective gear and work quickly to stop the leak. As **raw sewage** from the camp toilet will be buried, there are no issues anticipated with this material. All empty fuel containers and alkaline **batteries** (both used and unused) will be returned to Igloolik for safe disposal.

