



## APPLICATION FOR ACCESS TO INUIT OWNED LAND

### Office use only

Category	Application No:	Accepted By:	Date Accepted:
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### 1.0 Applicant Details (Full name, no initials or abbreviations)

i) Applicant's name and mailing address Mike MacMorran (Geologist) North Arrow Minerals Inc. Suite 960 – 789 West Pender St. Vancouver, BC V6C 1H2	ii) Head Office address North Arrow Minerals Inc. Suite 960 – 789 West Pender St. Vancouver, BC V6C 1H2
iii) Other personnel list (Subcontractors or contractors to be used) To be determined	
iv) Total no. of personnel: 5-12	v) No. of person days: (3-6 weeks) 105-504 days

### 2.0 Project Details

i) Project Title: Mel Project / Mel Property
ii) Project Summary: The proposed land use activity will consist primarily of drilling, with the possibility of concurrent till sampling, prospecting and geophysics. Work will be conducted during the spring and summer months of 2017 and 2018 for up to six weeks at a time. A camp will be built near to the Property on Crown land to support fieldwork, and all programs will be helicopter supported. Exact drilling and drilling-related water source locations are yet to be determined and will only be conducted within North Arrow's mineral claims. Personnel working on the project may vary and typical personnel requirements will likely include one or two project geologists or geo-technicians, one helicopter pilot, one helicopter engineer, one cook/first-aid attendant, and three to five drilling crew members. Helicopter flights will be limited, and no low level flying will be done except during takeoff and landing.

Supplies, including fuel, will be mobilized through either Naujaat or Hall Beach.

The proposed land use operation is scheduled to take place over a 3-6 week period during April/May/July/August/September 2017, and/or April/May/July/August/September of 2018 (timing and execution are dependent upon funding, weather, logistics and resources).

### 3.0 Land Use Application

i) Please list all Inuit Owned Land Parcels that will be accessed during the project:

HB-01

ii) Please provide the proposed start and end date of the project including periods of remediation where necessary:

Project Start Date:

Pending

Project End Date\*:

Pending

\* Period of access may be up to two years for licenses, up to five years for a residential/recreational lease and level I and II commercial leases, and up to forty years for a level III commercial lease.

4.0 Land Use Permit Type & Fees			
i) Licenses			
Land Use License 0			
<input type="checkbox"/>	Inuit	\$0	Low level activities that generate minimal environmental impact and involve fewer than 10 persons on the land at any one time. ATV or ski machine transport only.
<input type="checkbox"/>	Non-Inuit	\$250	Amateur prospecting, camping and localized, non-disruptive scientific research involving fewer than 5 persons.
Land Use Licence I			
<input type="checkbox"/>	Inuit	\$0	Low level activities that generate minimal environmental impact and involve more than 10 persons on the land at any one time. ATV or ski machine transport only.
<input type="checkbox"/>	Non-Inuit	\$250	Commercial prospecting, camping and scientific research activities.
<input type="checkbox"/>	Land Use Licence II	\$500	Use of aircraft transportation or explosives. Construction work or any other commercially related activities.
<input checked="" type="checkbox"/>	Land Use Licence III	\$1,000	Project involves heavy machinery, land alteration or large scale storage of fuel or other bulky items.
ii) Lease			
Residential/Recreational Lease			
<input type="checkbox"/>	Inuit	\$0	For the construction of cabins and other buildings or structures on Municipal or Hinterland Inuit Owned Land.
<input type="checkbox"/>	Non-Inuit	\$250	
<input type="checkbox"/>	Land Use Lease I	\$500	Commercial activity that does not require a Class II or III lease.
<input type="checkbox"/>	Land Use Lease II	\$2,500	Moderately sized commercial projects between 1 – 4 hectares in size, construction and storage of 4,000 – 8,000 liters of fuel. 10-100 persons.
<input type="checkbox"/>	Land Use Lease III	\$5,000	Large scale commercial projects exceeding 4 hectares, involving construction, storage of bulky or toxic items. Greater than 100 employees on site.
iii) Special Agreements			
<input type="checkbox"/>	Right of Way Agreement	\$500	
<input type="checkbox"/>	Exemption Certificate	\$0	Only applicable to select applicants or organizations.

## 5.0 Type of Land Use Activity

### Mining / Oil & Gas:

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

### Construction:

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

### Tourism:

- ☐ Tourism facility
- ☐ Outfitting
- ☐ Other

### Municipality:

- ☐ Bulk Storage
- ☐ Residential Building
- ☐ Commercial Building
- ☐ Other:

### Research:

- ☐ Wildlife/fish/birds/marine
- ☐ Survey (grd/aerial/collars)
- ☐ Research Station
- ☐ Other :

### Other:

- ☐ Commercial harvest
- ☐ Recreational Camp
- ☐ Other

## 6.0 Type of Water Use

i) Select the kind of project for which you will use the water and the type of water use:

### Undertaking

- ☐ Advanced Exploration
- ☒ Exploration Drilling
- ☐ Geotech Drilling
- ☐ Mine Development
- ☐ Industrial Applications
- ☐ Power Applications
- ☐ Tourism
- ☐ Other:

### Water Use:

- ☒ To Obtain Water (in relation to drilling)
- ☐ To Modify the bed or bank of water course
- ☐ To Alter the flow of, or store water
- ☐ To Divert the Watercourse
- ☐ Flood Control
- ☐ Other:

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

### Quantity of water to be used:

Approx. 0-1200

m<sup>3</sup>/year

### Quantity to be returned:

Approx. 0-1200

m<sup>3</sup>/year

## 7.0 Waste

i) Describe the type of waste produced (if applicable)

- |   |   |
|---|---|
| <input type="checkbox"/> Bulky Items/Scrap metals | <input checked="" type="checkbox"/> Sludge (drill cuttings) |
| <input type="checkbox"/> Grey water               | <input checked="" type="checkbox"/> Solid waste             |
| <input type="checkbox"/> Hazardous                | <input checked="" type="checkbox"/> Waste Oil               |
| <input type="checkbox"/> Sewage                   | <input type="checkbox"/> Other:                             |

ii) Describe Any Additional Waste:

## 8.0 Supporting Permits

i) Does the application require a NIRB/NPC review? Yes

ii) Has the applicant already submitted an application to NIRB/NPC? Yes

iii) Provide the dates of any decisions received from NIRB/NPC PENDING

NPC Conformity Check

PENDING

NIRB Screening

PENDING

Other (please specify)

iv) give details of any addition permits that have been issued (or are due to be issued) to the project.

Permit	Permit No / ID	Date of Issue
<input type="checkbox"/> NTI Subsurface Right		
<input type="checkbox"/> INAC Subsurface Right		
<input type="checkbox"/> NWB Water License	PENDING	PENDING
<input type="checkbox"/> NRI Research License		
<input type="checkbox"/> RWED Tourism License		
<input type="checkbox"/> CWS Permit		
<input type="checkbox"/> Explosives Permit		
<input type="checkbox"/> Other (specify):		

## 9.0 Environmental Information

*Provide information where applicable. Use a separate sheet if additional space is required.*

### i) Impact

*Summary of potential environmental, wildlife and resource impacts. Describe the effects of the project on lands, water, flora and fauna, including any mitigation measures to be included.*

#### **Water:**

Returned water will be pumped to a site where direct flow into a waterbody is not possible and no additional impacts are created. If artesian flow is encountered, drill holes shall be immediately sealed and permanently capped to prevent contamination of groundwater or salinization of surface waters. A record will be kept of all occurrences of artesian flow during drilling activities.

#### **Land:**

Drilling setups are likely to disturb small patches of vegetation (i.e. grass, shrubs) over the course of the program. Staff of the proponent will consider less vegetated locations when selecting drill setup locations. In addition, staff will remove vegetation prior to setting up the drill, and will re-plant the vegetation following the completion of each drill hole.

#### **Wildlife:**

The proponent recognizes that there are concerns across the North regarding low level helicopter flights and their potential to disturb wildlife, migratory birds, and individuals engaging in traditional land use activities. Mitigation measures include:

- All aircraft will maintain a flight altitude of 610 m, except during take-off and landing, times of low level ceiling, and during any unforeseen emergency situations
- The Licensee shall ensure that there is no damage to wildlife habitat in conducting this operation
- The Licensee shall not feed wildlife
- The Licensee shall cease activities that may interfere with migration or calving, until the caribou and their calves have vacated the area
- Should large concentrations of birds be observed, all aircraft will maintain a flight altitude of 1000 m vertical distance and 1500 m horizontal distance from the birds
- Except for in the cases of emergency circumstances, touch-down by helicopters in areas where concentrations of wildlife are present will be avoided, including raptor nesting sites and concentrations of nesting and molting waterfowl
- The proponent will advise contractors and the helicopter crews of these mitigation measures and enforce their application throughout the course of the land use operation

**ii) Schedule of Activities**

*Outline project activities and expected duration. If the proposed activity fits into any long-term development of the area, describe the projected outcome and its timeline.*

The proposed land use activity is planned for 2017/2018 and will involve a modest initial phase of drilling based out of an exploration camp located near to the Property. The drill program will be carried out over a three to six week period. Crews would be based in the camp and transported to and from the Property each day by helicopter or snowmobile in the winter. If results of this first phase of work are positive, additional phases of either drilling, till sampling, prospecting or ground geophysics may be conducted at a later date.

The proposed land use operation is scheduled to take place over a 3-6 week period during April/May/July/August/September 2017, and/or April/May/July/August/September of 2018 (timing and execution are dependent upon funding, weather, logistics and resources).

**iii) List of Structures**

*Provide a list of structures that will be erected*

The proposed land use activity will be based out of an exploration camp located near to the Property (exact location is still to be determined).

**iv) Equipment to be used**

*Provide an inventory of equipment that will be moved on-site, including such technical details as: type, quantity, size and ground pressure.*

1 Helicopter (Bell 206 Long Ranger or similar); 1 Drill, approximately 3-5tonnes and 6m x 6m x 3m (Discovery1 Diamond Drill or Hornet Reverse Circulation Drill, or similar); 1-2 Snowmobiles, approximately 200kg and 2m x 1m x 1m

**v) Fuels to be used**

*Capacity of containers, fuel type (eg. Diesel, Jet-A/B, propane), and number of drums/liters.*

Diesel – 50 drums (205 litres/drum); Gasoline – 2-3x 20 litre Jerry Cans; Aviation Fuel (Jet A/B) – 50 drums (205 litres/drum); Propane – 5x 100 lb tanks

**vi) Transportation**

*Outline how personnel and equipment will be moved to or from project location and method of transportations to be used during project activities.*

A fixed wing twin or turbo otter aircraft will be used to mobilize crews and drilling equipment from Naujaat or Hall Beach to the camp. All personnel and equipment will be transported from camp to the site via helicopter during the winter and summer drilling.

Supply flights using a twin or turbo otter may be done to a nearby staging area if a suitable landing strip near to the Property can be located.

**vii) Improvements**

*Describe any planned buildings or improvements that will take place. Include the owner of these developments and the estimated value of the improvement.*

Other than the camp, there are no additional buildings planned in association with the proposed land use activity.

**viii) Removed Substances**

*Provide a list of specified substances that the applicant will remove from the area (e.g. waste, toxic substances, bulk rock samples).*

Combustible wastes – Domestic (food containers, paper); Non-Combustible Wastes – Bulk items: scrap metal, pressure-treated wood; Hazardous Wastes – diesel drums, aviation fuel drums, propane tanks, engine oil container's, antifreeze containers, drilling mud/grease containers, lead batteries.

Rock samples – drill core and RC chips

**10.0 Socio-economic Benefits****i) Provide a list of Inuit companies that you are planning to contract**

North Arrow endeavors to provide employment and training opportunities to local Inuit beneficiaries whenever possible and have a track record of doing so throughout its decade-long history of operating exploration projects throughout Nunavut. As employment opportunities associated with grassroots and advanced stage exploration projects in the region are typically seasonal and job specific, the hiring of local workers is done on an as needed, short term employment contract basis.

**ii) Number of Inuit to be employed**

Approx. 1-2



<b>iii) Estimated total dollar budget for the project</b>	Approximately \$500,000 to \$1,000,000	<b>iv) Estimated dollar amount going towards Inuit firms and Inuit employed</b>	Approximately \$10,000 to \$20,000
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**v) Describe the socio-economic benefits to the area:**

It is projected that local Inuit beneficiaries will be hired on short term employment contracts in association with drilling- and camp-related activities. As it is proposed that crews will mobilize through either Naujaat or Hall Beach, local businesses will benefit from goods and services purchased to support operations.

**Declaration**

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 ☒

Sign name in full:

  
Signature

Oct. 12, 2016  
Date

Mike MacMorran  
Geologist - North Arrow Minerals

## Application checklist

Please provide **ALL** of the listed documents for QIA to process your application:

- ✓ Completed Inuit Owned Land application form
- ✓ Non-Technical Project Summary (English & Inuktitut)
- ✓ Inuktitut translation of Section 9.0 "Environmental Information."
- ☐ Technical Project Summary (if project summary is insufficient to cover all activities in detail)
- ✓ Map of project location (provide in a shapefile format if possible), including:
  - 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.

### **\*INCLUDED AT THE END OF THIS APPLICATION\***

- ✓ Fuel spill contingency plan (if fuel is used on site).
- ✓ Proposed reclamation plan (if required) that includes, but is not limited to the proposed methods and procedures for the progressive: **See "*Abandonment and Restoration Plan*" submitted with application**
  - 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.
- ☐ Reclamation cost analysis for advanced exploration activities (if required). **N/A**

**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.

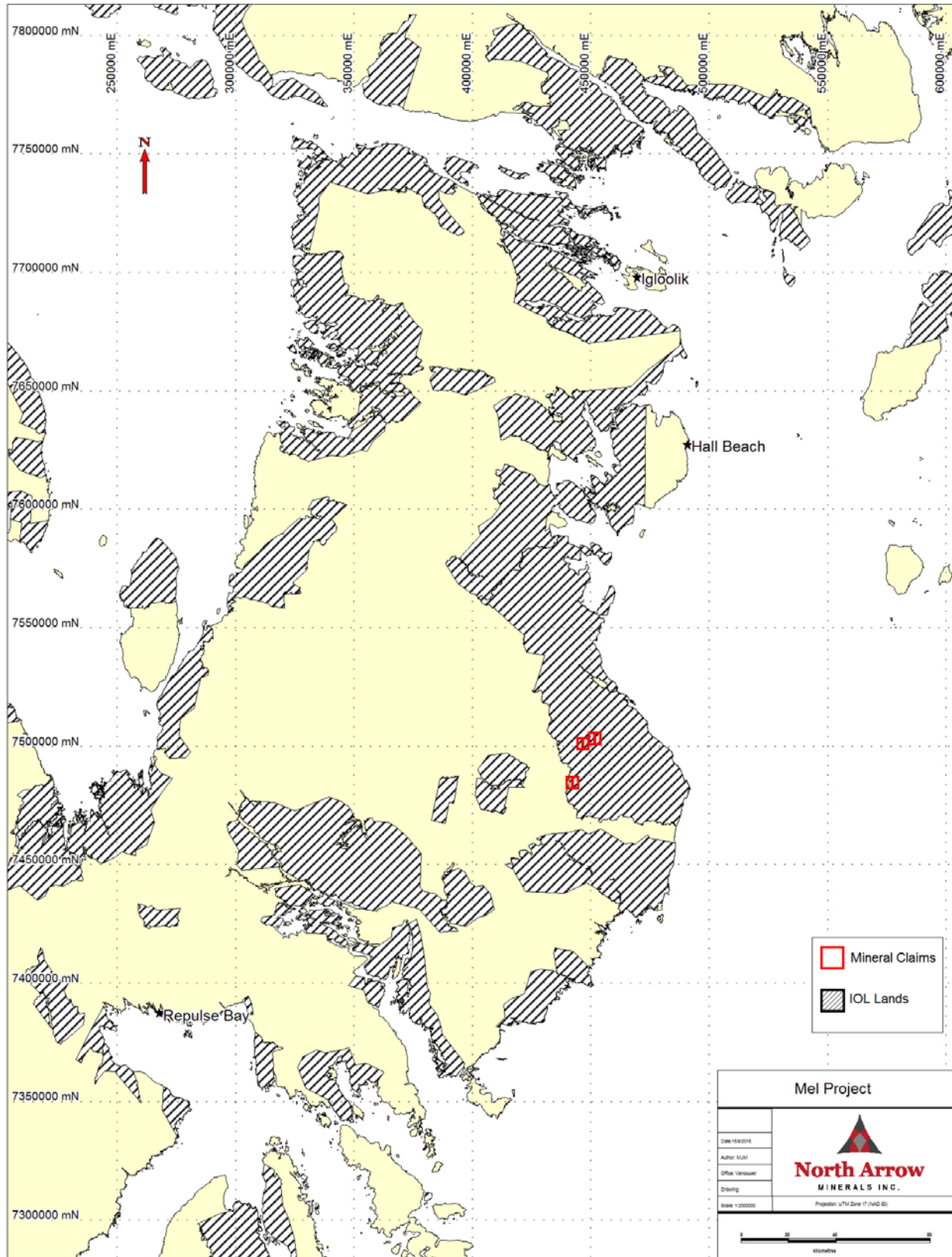
**In addition to the above requirements, QUARRY LICENSE or QUARRY CONCESSION AGREEMENT applicants must provide the following information:**

- 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.

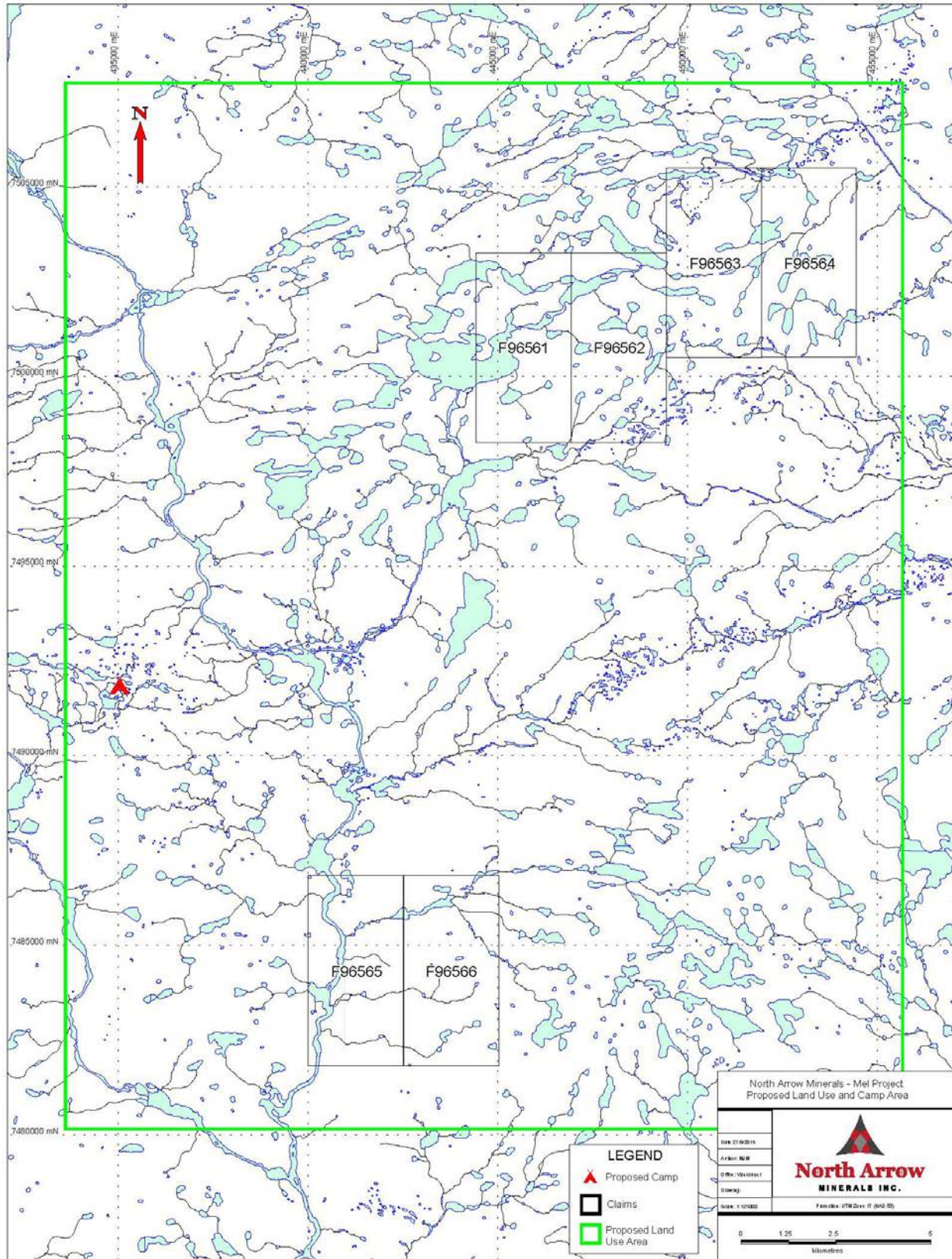
**QIA may request additional documents or evidence to support proposed activities during the review process.**

**Please return the original, signed and dated application form, along with all supporting documents and maps of the area to:**

**Qikiqtani Inuit Association  
Lands & Resources  
PO Box 1340,  
Iqaluit, NU,  
X0A 0H0.**







## **9.0 ᐃᑲᓂᐱᕐ ᑭᓄᐅᔨᒪᓴᐅᔪᑦᑎᓴ**

*Provide information where applicable. Use a separate sheet if additional space is required.*

i)  $\Delta^b \supset \Delta \sigma \supset \Delta^c$

*Summary of potential environmental, wildlife and resource impacts. Describe the effects of the project on lands, water, flora and fauna, including any mitigation measures to be included.*

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[illegible]

- [illegible]

**ii) ለጽሑፍ ምርመራ**

*Outline project activities and expected duration. If the proposed activity fits into any long-term development of the area, describe the projected outcome and its timeline.*

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**iii) ለጽሑፍ ምርመራ**

*Provide a list of structures that will be erected*

ወደፊት ለጽሑፍ ምርመራ ለሚደረግበት ዓመት 2018 (ለጽሑፍ ምርመራ ዓመት 2018) ይኖርብናል፡፡ ለጽሑፍ ምርመራ የሚደረግበት ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡ ለጽሑፍ ምርመራ የሚደረግበት ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡ ለጽሑፍ ምርመራ የሚደረግበት ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡

**iv) ለጽሑፍ ምርመራ**

*Provide an inventory of equipment that will be moved on-site, including such technical details as: type, quantity, size and ground pressure.*

1 ዘርፍ (Bell 206 Long Ranger or similar); 1 ለጽሑፍ ምርመራ ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡ ለጽሑፍ ምርመራ የሚደረግበት ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡ ለጽሑፍ ምርመራ የሚደረግበት ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡ ለጽሑፍ ምርመራ የሚደረግበት ዓመት 2018 ለጽሑፍ ምርመራ ይኖርብናል፡፡

**v) ለጽሑፍ ምርመራ**

*Capacity of containers, fuel type (eg. Diesel, Jet-A/B, propane), and number of drums/liters.*

ጽሑፍ ምርመራ - 50 ምርመራ (205 ምርመራ ምርመራ); ጽሑፍ ምርመራ - 2-3x 20 ምርመራ; ጽሑፍ ምርመራ - 2-3x 20 ምርመራ

[illegible]vi)  $\Delta^2 \rho \leq C \Delta \sigma \Delta^{\alpha_b} \eta^c$ 

*Outline how personnel and equipment will be moved to or from project location and method of transportations to be used during project activities.*

[illegible]

vii)  $\Delta^{\epsilon} \rho \Gamma \Delta \rho C \triangleright \sigma \Delta^{\epsilon b} \mathcal{C}$

*Describe any planned buildings or improvements that will take place. Include the owner of these developments and the estimated value of the improvement.*

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viii)  $\wedge^{\text{qb}} \mathcal{C} \mathcal{P} L \mathcal{C} \wedge^{\text{qd}} \mathcal{N} \mathcal{C}$

*Provide a list of specified substances that the applicant will remove from the area (e.g. waste, toxic substances, bulk rock samples).*

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