







2. If Project Type 3, 4 or 5 was selected in previous question, please indicate the mineral of interest that is being extracted. Include a brief description.

Base Metals (zinc, copper, gold, silver, etc) \_\_\_\_\_

Diamonds \_\_\_\_\_

Uranium \_\_\_\_\_

Other: \_\_\_\_\_

3a. If Project Type 12, 13 or 14 was selected above, complete the table and questions below.

Transportation Type	Quantity	Proposed Use	Length of Use
DC 3	2	Site to site pick ups and drop offs of personnel and logisitcs supplies	6 days
Twin Otter	2	Site to site pick ups and drop offs of personnel and logisitcs supplies	6 days
Helicopter	1	Site to site pick ups and drop offs of personnel and logisitcs supplies	6 days
BV-206	2	Transportation of logisitcs supplies and emergency casualty evacuation	8 days
Ski-doo	70	Individual/pairs transportation	8 days

3b. Describe any docks, piers, air strips or related structures that are to be used in conjunction with the proposed project activities. **Please note: the building of new structures may require a Part 2 Form. Improvised airstrips will be established on the ice at Eleanor Lake (Cornwallis Island) as well as at Gascoyne Inlet (Devon Island). All other sites will use pre-established landing sites (Polaris and Eureka).**

3c. If a temporary camp site is to be established, describe the proposed structures in detail and indicate the type and source of power for the camp site if applicable. **All temporary camps will consist of ten man tent groups and related equipment only. The largest camp comprising 134 exercise participants on the land will be at Eleanor Lake (16 tents). Smaller groups will then move from this location to either Gascoyne Inlet, Polaris or Eureka taking tentage with them. Equipment including tents, stoves/lanterns, naptha are transported inside a toboggan.**

4. Personnel

Total No. of personnel on site = (A) 134 Total No. of days on-site = (B) 6 Total No. of Person days (A) x (B) = 804

5. Timing

Period of operation: from 18 March 2017 to 26 March 2017  
 Proposed term of authorization: from 6 March 2017 to 31 March 2017

6a. Region (check all that apply):

North Baffin  Kivalliq  Kitikmeot  Transboundary: \_\_\_\_\_  
 South Baffin  National Park

6b. Describe the location of the proposed project activities in a regional context, noting the proximity to the nearest communities and any protected areas.

**All participants will fly directly into Resolute and will be housed initially at CAFATC. From there they will move onto the land first to Crystal City (2 kms from CAFATC) and then Eleanor Lake.**





**8b.** If the project proposal includes a **camp**, please provide the coordinates of the camp location

Primary Camp  
 Min Lat (degree/minute) 75.3616 Min Long (degree/minute) -94.0672

Alternate Camp  
 Max Lat (degree/minute) 75.3865 Max Long (degree/minute) -93.8927

The above camps are located within the Eleanor Lake Op Box defined above. Additional camps will be established within the other Op boxes however specific locations are not yet confirmed.

If different from above for the camp:

NTS Map Sheet No: \_\_\_\_\_  
 Please ensure that maps of the project are attached (1:50,000 if available, 1:250,000 Mandatory) available from Natural Resources Canada

Please note that additional location information may be required in a subsequent Project Specific Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

**SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION**

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

**IMPORTANT: IF THE PROPOSED ACTIVITIES REQUIRE SUBMISSION OF A NIRB PART 2 PSIR FORM, PLEASE COMPLETE SECTION 8 ONLY, OTHERWISE CONTINUE ON WITH SECTION 5.**

**SECTION 5: MATERIAL USE**

**1. List equipment to be used (including drills, pumps, aircraft, vehicles, etc.):**

Equipment type and number	Size – dimensions	Proposed use
70 x Ski-doo	2M x 1M	Overland transportation of 136 personnel from Resolute to Eleanor Lake camp on 20 Mar and return 25 Mar. No more than six machines may be transported by air from Eleanor Lake to Eureka 21-24 Mar. Groups of no more than 20 ski-doo may also travel overland to Gascoyne Inlet and Polaris 21-24 March.
2 x BV-206	2.5M x 1.5M	These articulated and tracked oversnow vehicles will accompany the move from Resolute to the Eleanor Lake camp and return. They will be used as logistic vehicles as well as potentially being employed as ground evacuation platforms should casualties occur. Further movement from Eleanor Lake to Gascoyne Inlet or Polaris is unlikely but possible.
2 x DC 3	29M x 20M	This aircraft type will transport personnel from the Eleanor Lake austere airfield location to Eureka, Gascoyne Inlet and possibly Polaris. Movement of logistic supplies to include ski-doo, rations and packaged fuel is also possible.

2 x Twin Otter	20M x 15M	These aircraft will be used to transport personnel from the Eleanor Lake camp to Eureka, Gascoyne Inlet and possibly Polaris. Movement of logistic supplies consisting primarily of rations and packaged fuel will also be undertaken. They will also move personnel and supplies from Resolute to all of the above locations.
1 x Helicopter	17M x 15M	This aircraft will be used to transport personnel from Eleanor Lake to Gascoyne Inlet, Eureka and possibly Polaris. Logistic resupply flights of rations and packaged fuel are also possible and could include external slung loads. Flights from Resolute to all of the above locations are likely.
Ten Man Tent Groups	3M diametre	These tents will be used to establish temporary camps. The largest comprising all exercise participants on the land will be at Eleanor Lake (16 tents). Smaller groups will then move from this location to either Gascoyne Inlet, Polaris or Eureka taking appropriate tentage with them. Tent groups include the tent, stove/lantern, 4L naphtha container, snow shovel/tools and a toboggan container for the packaged tent group.
3 x generators	1M square	These small generators will be used in temporary camp locations to recharge/operate essential equipment such as radios.

**2a. Detail fuel and hazardous material use:**

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel	10 x 20L	200L	Fuel contained within Jerry Cans and stored on or in the vehicles
Gasoline	16 x 20L	320L	Fuel contained within Jerry Cans and stored either on the ski-doo or in associated toboggans.
Gasoline	10 x 200L	2000L	Fuel cache to be established at the Eleanor Lake camp. Fuel will be stored in 200L drums.
Aviation fuel	0	0	All refueling of aircraft will take place at established airfield locations only.
Propane	0	0	
Other	16 x 3.75L	60L	Naptha for use in tent group stoves and lanterns. Containers will be transported in toboggans with the packed tent groups.
<b>Hazardous Materials and Chemicals</b>		<b>Total Amount of Hazardous Materials and Chemicals (in Litres)</b>	<b>NIL</b>

**2b. Describe the proposed Spill Prevention Plan.**

**Prevention/response resources (spill pans, hydrocarbon spill pads, absorbal, etc) will be available and ready for use if required. Spill kits will be located at all fuel storage areas, vehicle maintenance areas and refueling areas. All personnel participating in NOREX will be briefed on spill prevention and environmental concerns/response prior to moving away from CAFATC and on to the land.**






No training will take place in local communities and therefore no community leaders have been contacted. There are however local economic benefits to NOREX as 26 members of 1 Canadian Ranger Patrol Group (1 CRPG) will be on duty receiving salary as well as any applicable equipment usage allowances. These personnel will come from a number of different communities. As well, all military personnel will be permitted to purchase sundries from the Northern Coop in Resolute as well as potentially art work or other souvenir type items if available.

**SECTION 8: GENERAL QUESTIONS**

1. Will you be disturbing any known archaeological sites?

YES

NO

**SECTION 9: APPLICANT SIGNATURE**

Please sign and date your application:

  
 J.G. Prentice, Major  
 Signature

NOREX 17 Plans  
 Title

30 November 2016  
 Date

**APPENDIX A  
 Project Type Definitions**

**Access Trail:** A project proposal with the objective of providing vehicular access to an area of interest involving minimal alteration to the terrain.

**Advanced Exploration:** A project proposal with the objective of identifying size, grade, and physical characteristics of a mineral occurrence and to assess the economic and technical feasibility of developing the mineral deposit into a producing mine

**All-Weather Road:** A project proposal with the objective of road construction for use in all seasons.

**Bulk Sampling:** A project proposal with the objective of extracting of large samples of mineralized material involving hundreds to thousands of tonnes. Samples are selected as representative of the potential mineral deposit being sampled. May involve crushing/milling (on small-scale)

**Harvesting activities:** A project proposal with the objective of harvesting animals, marine mammals and/or fish from their natural habitats by means of hunting or trapping for traditional and commercial use.

**Marine Based Activities:** Any activity occurring in the marine environment, such as vessel use associated with land-based activities or disposal at sea.

\*Please note that normal community re-supply or individual ship movements not associated with land-based project proposals shall not be screened by NIRB (Section 12.12.2 of NLCA).

**Mine Development:** A project proposal with the objective of extracting broken rock with mineralization of sufficient grade and tonnage to sustain commercial mining operations (ore). Mining a body of ore can



be achieved by either open pit and/or underground development. Mine development may involve milling. Milling involves treatment of the extracted ore through a combination of mechanical and chemical processes to selectively recover the valuable mineral.

**Mineral Exploration:** A project proposal with the objective of exploring an area to find geological anomalies. It involves site reconnaissance (ground and/or air) to locate broad and fiscal mineral deposits.

**Offshore Infrastructure:** A project proposal with the objective of building off loading facilities constructed off the shoreline and connected to the mainland of the marine or freshwater environment. Examples include a jetty, dock, or port facility.

**Oil and Gas Exploration/Activities:** A project proposal that includes 1) exploration, such as seismic or geological mapping, 2) drilling of oil and gas wells, 3) construction and operation of a pipeline, a gas processing plant or any oil and gas facility within Nunavut.

**Pits and Quarries:** A project proposal with the objective of pitting, which involves the extraction of granular material (i.e. sands and gravels) and quarrying, which involves the removal of consolidated rock (i.e. bedrock, frozen soil).

**Scientific Research:** A project proposal with the objective of implementing a series of site activities comprised of observation of phenomena, measurement and collection of data necessary for scientific investigation in designated areas within a limited time period.

**Seismic Survey:** A project proposal with the objective of conducting a survey to map the depths and contours of rock strata by timing the reflections of sound waves released from the surface. Survey site locations may be offshore (not within 12 nautical miles of any coast), near shore, and extended onshore.

**Site Cleanups:** A project proposal with the objective of site cleanups (includes DEW line site cleanups), which focuses on the remediation of chemically contaminated soils, stabilization of landfills and dumps, demolition/disposal of infrastructure and debris and monitoring after cleanup is completed.

**Tourism Activity:** A project proposal with the objective of conducting travel predominantly for recreational, sport or leisure purposes within a designated area and limited time period.

**Winter Road:** A project proposal with the objective of building a road for winter use by leveling and compacting surface snow and ice. Winter road is removed at end of season.

**Winter Trail:** A project proposal with the objective of building a trail for winter use by a single pass of a tracked vehicle using a blade, if necessary.