



## SCREENING DECISION

Δ' α' β' γ' δ' ε' ζ' η' θ' ι' κ' λ' μ' ν' ξ' ο' π' ρ' σ' τ' υ' φ' χ' ψ' ω' / P.O. Box 2379 Cambridge Bay, NT / EKALUKTUTIAK, NUNATIAKI XOE DCO = ρ' σ' τ' υ' φ' χ' ψ' ω' / Phone / HIIYADTA: (867) 983-2593 = ρ' σ' τ' υ' φ' χ' ψ' ω' / Fax / FAX KOT: (867) 983-2594

**Reasons for Decision:**

NIRB's decision is based on specific considerations that reflect the primary objectives of the Land Claims Agreement. Our considerations in making this decision included:

- the impact of drilling activities on the ecosystem;
- disposal of drill cuttings and waste water;
- impact to water quality, aquatic habitat and wildlife and fish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the impact of noise from drilling activities and their disturbance to wildlife and traditional users of area;
- the impact of camp site equipment on terrain;
- the impact of exploration activities on archaeological sites or cultural landmarks in the area;
- clean up/restoration of the camp site and drilling locations upon abandonment; and
- community concerns

**Terms and Conditions:**

That the terms and conditions attached to this screening report will apply.

**Drill Sites**

1. The Permittee shall not conduct any land based drilling within thirty (30) metres of the normal high water mark of a water body.
2. The Permittee shall not use drilling muds or additives in connection with drill holes unless they are recirculated or contained such that they do not enter the water, or are certified to be non-toxic.
3. The Permittee shall ensure that any drill cuttings and waste water that cannot be re-circulated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody. The Permittee shall ensure that drilling wastes do not enter any water body.
4. The Permittee shall ensure that the sump/depression capacity is sufficient to accommodate the volume of waste water and any fines that are produced so that there will be no additional impacts.
5. The Permittee shall not locate any sump within thirty (30) metres of the normal high water mark of any water body.
6. The Permittee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the permit.
7. The Permittee shall, where flowing water from bore holes is encountered, plug the bore hole in such a manner as to permanently prevent any further outflow of water. The occurrence shall be reported to the Nunavut Water Board and Land Use Inspector within 48 hours.

**Fuel and Chemical Storage**

8. The Permittee shall ensure that fuel storage containers are not located within thirty-one (31) metres of the ordinary high water mark of any body of water.
9. The Permittee shall ensure that any chemicals, fuels or wastes associated with the project do not spread to the surrounding lands or enter into any water body.
10. The Permittee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
11. The Permittee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be prepared immediately.
12. The Permittee shall seal all container outlets except the outlet currently in use.
13. The Permittee shall mark all fuel containers with the Permittee's name.
14. The Permittee shall have emergency response and spill contingency plans in place prior to the commencement of the operation.
15. The Permittee shall immediately report all spills of petroleum and hazardous chemicals to the twenty four (24) hour spill report line at (867) 920-8130 to NWB and to the Land Use Inspector.

**Waste Disposal**

16. The Permittee shall not discharge or deposit any refuse substances or other waste materials in any body of water, or on the banks thereof, which will impair the quality of the waters of the natural environment.
17. The Permittee shall ensure that all non-combustible wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.

**Wildlife**

18. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
19. The Permittee shall not feed wildlife
20. The Permittee shall ensure that pilots adhere to recommended flight altitudes of greater than 300 m above ground level as to not disturb wildlife. Concentrations of caribou should be avoided by aircraft at all times.
21. The Permittee shall ensure compliance with Section 36 of the Fisheries Act which requires that no person shall deposit or permit the deposit of a deleterious substance on any type in water frequented by fish or in any place under any conditions where the deleterious substance may enter such a water body.
22. The harmful alteration, disruption or destruction of fish habitat is prohibited under Section 35 of the Fisheries Act. No construction or disturbance of any stream/lake bed or banks of any definable watercourse is permitted unless authorized by DFO.
23. The Permittee shall not obstruct the movement of fish while conducting the land use operation.

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24. The Permittee shall ensure that the drill sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.

#### **Environmental**

25. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
26. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
27. The Permittee shall be required to undertake any corrective measures in the event of any damage to the land or water as a result of the permittee's operation.
28. The Permittee shall not use any equipment except of the type, size and number that is listed in the accepted application.
29. The Permittee shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
30. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.
31. The Permittee shall ensure pilots avoid overflights of camps and hunters when conducting their land use operations.

#### **Archaeological Sites**

32. The Permittee shall follow all terms and conditions for the protection and restoration of archaeological resources as outlined by the Prince of Wales Northern Heritage Centre (PWNHC) in attached letter.

#### **Reclamation**

33. The Permittee shall remove to an approved dump site all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
34. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
35. The Permittee shall undertake ongoing restoration for any land or improvements, which are no longer, required for the Permittee's operation on the land.
36. The Permittee shall plug or cap all bore holes and cut off any drill casings that remain above ground to ground level upon abandonment of the operation.

#### **Other Recommendations**

1. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
2. NIRB strongly advises proponents to consult with local residents regarding their activities in the region.
3. Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.
4. The Environmental Protection Branch (DOE), Department of Fisheries and Oceans (DFO), Nunavut Impact Review Board (NIRB), and the Nunavut Water Board (NWB) should be

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advised of any material changes to plans or operating conditions associated with the project.

**Validity of Land Claims Agreement**

**Section 2.12.2**

Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated March 25/99 at Cambridge Bay, NT

  
Larry Pokok Amavigak, Chairperson

Attachment: NIRB Screening Form  
c.c. DIAND Landa YK



## NUNAVUT IMPACT REVIEW BOARD SCREENING FORM

NIRB #: OPENING (vv-xxx) Authorizing Agency #(s): DIAND NP99C0015 permit or licence #

Proponent: Cominco Ltd. Company/Applicant

Vancouver, B.C. VBC IT2

Attention: Mr. Michael Gunning  
Full Address

Contractor: \_\_\_\_\_  
 \_\_\_\_\_  
 Company / persons doing the work if different from the proponent  
 \_\_\_\_\_  
 \_\_\_\_\_  
 address and contact numbers

Proposed Starting Date of Activity: June 04, 1999  
(yyyy-mm-dd)

EA Starting Date: February 18, 1999  
Date application accepted (yyyy-mm-dd)

Date Application Referred for Comments: February 19, 1999  
(yyyy-mm-dd)

Deadline for Comments: March 19, 1999  
(yyyy-mm-dd)

NTRB's EA Indication: 12.4.4 (A)

Date of Indication: Mar. 25/99  
(www-mun-dd)

Project Cancelled: Yes, Give Reason

Comments:



## 2. Authorizing Agencies

Authorizing Agency(ies): Kivalliq I.A., Kitikmeot I.A., QIA, NWB, NWMB, DIAND, DFO, DOE, NRI, RWED, Other: \_\_\_\_\_

Authorizing Agency Contact Person: Sandra Bradbury, DIAND, VK  
(office where project file is located, contact person, number)

Land Status: Inuit Owned \_\_\_\_\_ Crown ☒ Commissioner's \_\_\_\_\_ Marine Areas \_\_\_\_\_

Type of Application: land use permit  
(e.g. water licence, land use permit, quarry permit, research permit, lease, reserve)

Type of Approval being sought: new  
(e.g. new, renewal, amendment, cancellation)

Other required approvals, permits or licences: water licence  
(e.g. water licence, land use permit, quarry permit, lease, reserve)

Present Authorizations (active): \_\_\_\_\_  
(file number)

Previous Authorizations (inactive/expired): \_\_\_\_\_  
(file number)

## 3. Project Location

Kivalliq \_\_\_\_\_ Kitikmeot \_\_\_\_\_ Baffin ☒

Land Use Planning Region: North Baffin  
(e.g. West Kitikmeot, North Baffin, South Baffin, Kivalliq)

Geographic Place Name: Nanisivik / Arctic Bay  
(nearest place name or geographic feature)

Local/Traditional Name: \_\_\_\_\_

National Topographic Sheet (NTS) Number: 48A/11,13 Scale: 1:250,000

Latitude/Longitude: 72°35'N, 82°30'W ; 72°50'N, 84°00'W  
(degrees, minutes seconds)

Drainage Region and Watershed: Adams Sound  
(nearest creek, river or lake system)

Nearest Settlement: Arctic Bay, Nanisivik

Adjacent Settlement/Out-post camps: no

Special Designation: no  
(Yes/No -e.g. Heritage River, Wildlife Reserve, Park)

Does the project have Nunavut transboundary implications? Yes \_\_\_\_\_ No ☒

If yes, what additional procedures/contacts are needed? \_\_\_\_\_



#### 4. Project Description and Assessment

Physical Work, Activity(ies): drilling  
(drilling, construction, camp, research, water works, installation, modification, maintenance)

Multiple Activities: Yes \_\_\_\_\_ No ☒

Project Category Code: Point \_\_\_\_\_ Multiple Points \_\_\_\_\_ Linear \_\_\_\_\_ Area

Phase of Project: exploration  
(exploration, bulk sampling, development, operations, decommissioning, abandonment/restoration)

#### Project Description Summary (non-technical):

(duration of project, size of project, number of personnel on site, related physical activities, machinery used, fuels and chemical use and storage, associated infrastructure, methods of transportation, amount and source of resources needed eg. Gravel)

Attach Project Overview (English and Inuktitut)

#### Alternatives Considered:

(list all alternatives to the project and/or components of the project to avoid unnecessary amendments, (e.g. alternatives to location of ice road or camp logistics))

#### 5. The Proponent's Public Consultation Process

##### Description of Proponent's Public Consultation Process

Arctic Bay Hamlet officials and local organizations  
have been consulted about proposed work. Intend to  
meet with officials again prior to start of work.

Did proponent make use of traditional knowledge? Yes \_\_\_\_\_ No ☒

Was information available in the community's preferred language? Yes ☒ No \_\_\_\_\_

In NIRB's opinion, was the proponent's public consultation adequate? Yes ☒ No \_\_\_\_\_

If no, explain why the proponent's consultation program was found deficient.

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MICHAEL H. GUNNING, Ph.D.  
Cominco Ltd., Exploration  
E-Mail: mike.gunning@cominco.com

700 - 409 Granville St.  
Vancouver, B.C., Canada, V6C 1T2  
TEL: 604-685-3057 / FAX: 604-685-3069

8-Feb-99

NIRB  
P.O. Box 2379  
Cambridge Bay, NT, X0E 0C0  
TEL: 867-983-2593

**SUBJECT:** Mineral Exploration Notification, Northwestern Baffin Island

NIRB,

This letter serves to notify NIRB of plans by Cominco Ltd. for a modest mineral exploration program on northern Baffin Island in 1999. A brief project summary follows.

Cominco Ltd. has explored in the Borden Basin, northwestern Baffin Island, in 1995, 1996 and 1998, and plans a limited diamond drill program, three holes, 900 m total, for the period June 14 - July 5, 1999. Targets are within N.T. Prospecting Permits 2161, NTS 48A/13, located northeast of the head of Adams Sound, 40 km southeast of Nanisivik, and Permit 2208, NTS 48A/11, located in the headwater region of Fleming River, 65 km southeast of Nanisivik. The program has a contingency for minor prospecting and silt geochemistry elsewhere on northwestern Baffin Island, outside of the permit areas. Attached is a 1:250,000 map showing permit areas and approximate diamond drill hole locations. All work is on crown land; a N.T. Land Use Permit application is in progress.

Work in 1999 will be based out of the Nanisivik townsite. Personnel will include 4 drill crew, a drill foreman, a geologist (myself) and a contingency for a geological assistant, and 2 helicopter crew. Environmental impact will be minimal because there are no planned roads, no heavy ground equipment, there will be no field base camp, no flycamps, and drill mobilization, drill moves and crew changes will be serviced by helicopter stationed at the STOL port at the edge of the townsite (i.e. there will be no ATV ground transport of crew). Further, there will be no helicopter fuel caches or temporary air strips; bulk jet fuel will be used at the STOL port, and diesel fuel will be flown to the drill as needed. Significant ground preparation/alteration for drill sites will not be necessary, and all drill sites will be completely cleaned up at the termination of each hole; any sumps will be filled. Drill, supplies and all non-combustible scrap and garbage will be returned to the Nanisivik minesite at the completion of the job.

Arctic Bay hamlet officials and local organizations have been consulted regarding this proposed work, and will be kept informed as plans progress. Public consultation was not deemed necessary during discussions with officials which followed distribution of an information circular and request for feedback, in Inuktitut, on the project (attached). I will meet with the mayor in Arctic Bay at the start of the project to ensure local concerns are addressed. As with previous work, all provisions and rules set out in previous discussions, and in Prospecting Permit guidelines, will be met. It is a Cominco Ltd. policy not to disturb or harm wildlife in any way during the course of field work and this will be strictly enforced during the upcoming summer program. A Nunavut Water License Application is in progress.

We are looking forward to a productive and enjoyable time on northwestern Baffin Island again this summer. Please contact myself or Ken Leigh if you have any questions regarding this application, or if you require any additional information.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Mike Gunning', with a long horizontal flourish extending to the right.

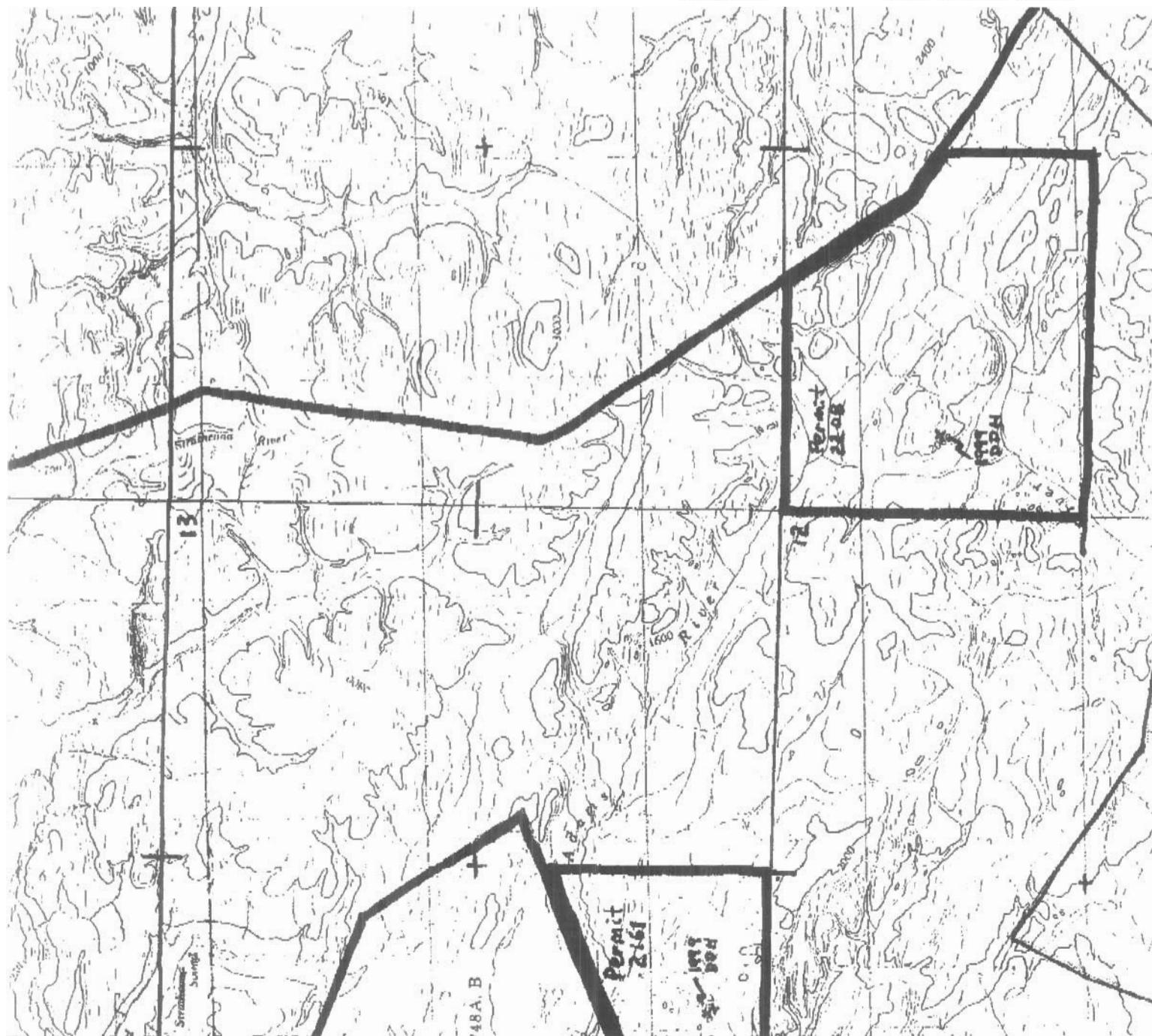
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## 6. Description of the Environment

### Description of Biophysical Environment

The barren-ground caribou of northern Baffin Island are generally thought to be non-migratory although they make local seasonal shifts in their ranges. The entire caribou population of northern Baffin Island is thought to be small and may at most number a few thousand.

Numerous cliff faces throughout most of southwestern Borden Peninsula provide optimal nesting habitat for raptors, primarily rough-legged hawks and gyrfalcons.

### Description of Socio-Economic and Cultural Environment

Area is used by hunters from Pond Inlet and Arctic Bay for caribou hunting.

**7. NIRB's Consultation Process**

Date application referred for comments: February 19, 1999  
 (yyy-mm-dd)

Deadline for comments: March 19, 1999  
 (yyy-mm-dd)

Distribution List: Contact Person: Date comments received

**NUNAVUT:**

<input checked="" type="checkbox"/> LNTI	_____	_____
<input checked="" type="checkbox"/> QIA	_____	_____
<input type="checkbox"/> Kivalliq I.A.	_____	_____
<input type="checkbox"/> Kitikmeot I.A.	_____	_____
<input checked="" type="checkbox"/> WPC	_____	_____
<input checked="" type="checkbox"/> UNWB	_____	_____
<input checked="" type="checkbox"/> UNWMB	<u>Rebecca Hike</u>	<u>Mar. 19/99</u>
<input checked="" type="checkbox"/> RWO	_____	_____
<input checked="" type="checkbox"/> Inuit Heritage Trust	_____	_____
<input checked="" type="checkbox"/> Community(s) <u>Arctic Bay</u>	_____	_____
<input checked="" type="checkbox"/> Namiet <u>Cecil Marshall</u>	<u>March 03, 1999</u>	_____
<input checked="" type="checkbox"/> WFO <u>Kajuit HTA</u>	<u>March 05, 1999</u>	_____
Other? _____	_____	_____

**FEDERAL:**

<input checked="" type="checkbox"/> DIAND	_____	_____
<input checked="" type="checkbox"/> DFO	_____	_____
<input checked="" type="checkbox"/> DOE	<u>Wade Romanko</u>	<u>March 19, 1999</u>
<input type="checkbox"/> Heritage Can.	_____	_____
<input type="checkbox"/> Natural Resources	_____	_____
<input type="checkbox"/> Other? (eg. Health	_____	_____
DOT, DND) <u>CCG</u>	_____	_____

**GNWT:**

<input checked="" type="checkbox"/> DRWED	_____	_____
<input checked="" type="checkbox"/> Transport	<u>Peter Scott</u>	<u>Feb 26, 1999</u>
<input checked="" type="checkbox"/> MACA	_____	_____
<input checked="" type="checkbox"/> PNWNC	<u>Charles Arnold</u>	<u>March 17, 1999</u>
Other? (eg. Health,	_____	_____
Soc. Serv., ECE)	_____	_____

**TRANSBOUNDARY PARTIES**

\_\_\_\_\_

**OTHER PARTIES**

\_\_\_\_\_



## Identification of Project Activities and Environmental Effects

Identify all activities of the project under screening and their potential adverse environmental effects.

### Project Activities

(✓ check all the items appropriate to this project)

- ☐ access road
  - ☐ winter
  - ☐ construction
  - ☐ abandonment/removal
  - ☐ modification e.g., widening
- ☒ automobile, aircraft or vessel movement *helicopter*
- ☐ blasting
- ☐ burning
- ☐ burying
- ☐ channelling
- ☐ construction
  - ☐ building
  - ☐ shed/warehouse
  - ☐ landing strip
- ☐ cut and fill
- ☐ removal of vegetation
- ☐ dams and impoundments
  - ☐ construction
  - ☐ abandonment/removal
  - ☐ modification
- ☐ ditch construction
- ☐ drainage alteration
- ☐ drilling other than geoscientific
- ☐ ecological surveys
- ☐ excavation
- ☐ explosive storage
- ☒ fuel storage
- ☒ garbage
  - ☐ disposal of hazardous waste
  - ☐ disposal of sewage or grey water
  - ☒ disposal of solid waste
- ☒ geoscientific sampling
  - ☐ trenching
  - ☒ diamond drill
  - ☐ borehole core sampling
  - ☐ bulk soil sampling
- ☐ quarry
- ☐ hydrological testing
- ☐ river/stream/lake crossing/bridging
- ☐ site restoration
  - ☐ fertilization
  - ☐ grubbing
  - ☐ planting/seeding
  - ☐ scarification
  - ☐ spraying
  - ☐ recontouring
- ☐ soil testing
- ☐ topsoil, overburden or soil
  - ☐ fill
  - ☐ disposal
  - ☐ removal
  - ☐ storage
- ☐ tunnelling/underground
- ☐ other, explain \_\_\_\_\_

☒ possibility for accidents or malfunctions. Describe.  
*potential for fuel spills when re-fueling*

effects of environment on project (e.g., flooding).  
 Describe. \_\_\_\_\_

### Project Effects

(✓ check all the items appropriate to this project)

#### Directly-related Socio-Economic & Cultural Effects:

1. ☒ impact to hunting / trapping / fishing
2. ☐ impact on:
  - ☐ women
  - ☐ men
  - ☐ children
  - ☐ elders
3. ☒ impact to traditional use or traditional use area
4. ☐ impact to outfitters
5. ☐ impact on recreational use
6. ☐ impact on family structure
7. ☐ impact to community health
8. ☐ change in community economics
9. ☐ change in community housing or infrastructure
10. ☐ impact to industry
11. ☐ change in regional transportation
12. ☒ impact to archaeological or cultural landmarks
13. ☐ impact on beauty of the landscape
14. ☐ other, explain \_\_\_\_\_

#### Biophysical Environment Effects

15. ☐ deposit into surface or ground water
16. ☐ deposit to marine environment
17. ☐ change in surface or ground water flow
18. ☐ change in water temperature
19. ☐ change in drainage pattern
20. ☐ change in air quality
21. ☐ change in air flow
22. ☐ micro-climate change
23. ☐ ice fog
24. ☒ change in ambient noise level
25. ☒ deposit onto ground surface
26. ☐ change in slope stability
27. ☐ change in soil structure
28. ☐ alteration of permafrost regime
29. ☐ destabilization/erosion
30. ☐ soil compaction
31. ☐ change in access to renewable resources
32. ☐ depletion of non-renewable resource
33. ☐ removal of rare/endangered plant species
34. ☐ introduction of species
35. ☐ toxin/heavy metal accumulation
36. ☐ removal of rare/endangered wildlife species
37. ☐ change in wildlife health
38. ☒ impact to large mammals
39. ☐ impact to small mammals
40. ☐ impact to fish
41. ☐ impact to birds
42. ☐ impact to other wildlife
43. ☐ impact in a calving, nesting, staging or spawning area
44. ☐ removal of wildlife buffer zone
45. ☐ change in wildlife habitat/ecosystem
46. ☐ other, explain \_\_\_\_\_



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**Describe biophysical and socio-economic and cultural effects identified from check-list.**

Environmental Effect	Describe
#1   #3	Key area for residents of Arctic Bay and Pond Inlet to hunt caribou. New helicopter flights were scaring away caribou.
#12.	Potential to impact archeological sites See Plunier letter.
#24   #38	Helicopter flights may cause caribou and other wildlife to leave area. Area is key area for hunting. Noise, low flights will scare caribou and cause stress to animals.
#25	Drill cuttings, waste water will be deposited onto ground surface.

**9. Cumulative Effects: Identification of Other Resources Used in the Area.** Identify past, current and future (pending applications) physical works and activities in the area (for the proponent, other proponents and nearby communities) and their potential adverse environmental effects.

**Other Resource Uses**

(√ check all the items appropriate to this project)

- ✓harvesting
  - ✓marine mammals
  - ✓land mammals
  - fur bearers
  - ✓birds
  - shellfish
  - plants
  - berries
  - ✓fish
- ✓mining
  - ✓exploration
  - open pits
  - ✓underground (Nanisivik)
  - off-shore
  - mineral processing
  - industry \_\_\_\_\_ (type)
  - quarries
    - carving stone
    - aggregate
  - transportation/communications
    - airport / landing strip
    - roads/access routes
    - shipping
    - channels/canal
    - telephone lines, satellite dishes, cables
    - beacons
  - waste disposal (solid, liquid or gas?)
  - energy project
    - hydro
    - pipeline
    - transmission line
- ✓other water licenses, permits, leases
- ✓lands
  - Inuit owned
    - surface rights
    - sub-surface rights
  - ✓Crown
    - Commissioner's
    - Marine Areas
  - other private lands held under tenure
  - heritage sites or archaeological sites
  - ✓recreation (eg. cabins, tent frames)
  - tourism
  - municipal (construction)
    - commercial
    - built structures
    - infrastructure
  - agriculture
  - forestry
  - other, explain \_\_\_\_\_

**Effects from Other Resource Uses**

(√ check all the items appropriate to the scope of this project)

**Directly-related Socio-Economic & Cultural Effects:**

1. — impact to hunting / trapping / fishing
2. — impact on: — women
  - men
  - children
  - elders
3. — impact to traditional use or traditional use area
4. — impact to outfitters
5. — impact on recreational use
6. — impact on family structure
7. — impact to community health
8. — change in community economics
9. — change in community housing or infrastructure
10. — impact to industry
11. — change in regional transportation
12. — impact to archaeological or cultural landmarks
13. — impact on beauty of the landscape
14. — other, explain \_\_\_\_\_

**Biophysical Environment Effects**

15. — deposit into surface or ground water
16. — deposit to marine environment
17. — change in surface or ground water flow
18. — change in water temperature
19. — change in drainage pattern
20. — change in air quality
21. — change in air flow
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31. — change in access to renewable resources
32. — depletion of non-renewable resource
33. — removal of rare/endangered plant species
34. — introduction of species
35. — toxin/heavy metal accumulation
36. — removal of rare/endangered wildlife species
37. — change in wildlife health
38. — impact to large mammals
39. — impact to small mammals
40. — impact to fish
41. — impact to birds
42. — impact to other wildlife
43. — impact in a calving, nesting, staging or spawning area
44. — removal of wildlife buffer zone
45. — change in wildlife habitat/ecosystem
46. — other \_\_\_\_\_

# **10. Cumulative Environmental Effects**

Based on a comparison of effects identified in #8 and #9.

Matching Number(s)	Description of Cumulative Environmental Effects

No Will the project make large demands on non-renewable energy sources?

No Will the project encourage further developments within the current project or other developments (other similar projects, energy development, generation, petroleum development and extraction, the building of additional roads)? *(potentially)*

No Will the project encourage a "boom-bust" economy over an economy of permanence?

No Will the project encourage more wildlife harvesting on account of better access for hunters and fishers?

No Will the project have an effect on the water quality of the watershed?

No Will the project have a significant effect on existing land uses?

# **11. Mitigation Measures**

For each environmental effect identified in #8, #9 and #10, describe the required mitigation measures.

Number(s) (as identified in #8, #9 & #10)	Description of Mitigation Measures

*See Screening Decision Report*

## 12. Significance

After taking into account the mitigation measures identified in #11, are any of the residual, adverse environmental effects significant?

☐ Yes ☒ No

If yes, identify which one(s) and proceed to #13; if no proceed to # 14.

Number(s) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## 13. Likelihood of Occurrence

Of the significant, residual, adverse environmental effects identified in #12, are any likely to occur?

☐ Yes ☒ No

Number(s) \_\_\_\_\_  
 \_\_\_\_\_

## 14. Information Sources

What sources of information were used in the screening process?

- ☒ local knowledge
- ☐ traditional ecological knowledge
- ☒ land use plans (and draft land use plans)
- ☒ authorizing agencies' data
- ☒ departmental or agency opinions
- ☒ maps
- ☐ photos
- ☐ reports (scientific, economic, social, or anthropological, archival or historical information)
- ☐ Nunavut Environmental Database (NED)
- ☒ personal communications
- ☐ Project Registry (NPC)
- ☒ previous similar projects
- ☐ service organizations
- ☐ media monitoring
- ☐ experts
- ☐ other \_\_\_\_\_

For information sources identified above, provide contact person and/or information location (for future follow-up): \_\_\_\_\_

### 15. Staff Recommendations

Staff Recommendations: (include rationale)

The project proposal should have little or no environmental effects if the terms and conditions are adhered to, particularly if terms and conditions regarding helicopter overflights are enforced.

Prepared By: JAIDA EDWARDS Date: March 19, 1999  
Screeners (yyyy-mm-dd)

### 16. NIRB'S Principles

- ☐ The project has significant adverse effects on the ecosystem, wildlife habitat or Inuit harvesting activities.
- ☐ The project may have significant adverse socio-economic effects on northerners.
- ☐ The project will cause significant public concern.
- ☐ The project involves technological innovations for which the effects are unknown.
- ☒ The project **does not** have significant effects or concerns.

### 17. Indication to the Minister (12.4.4)

N.B. Transfer this information to Box 1: "EA Indication" and "Date of Indication".

- ☒ a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;
- ☐ b) the proposal requires review under Part 5 or 6; NIRB shall identify particular issues or concerns which should be considered in such a review;
- ☐ c) the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or
- ☐ d) the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.

**18. Terms and Conditions**

If the determination is 124.4 (a), NIRB's terms and conditions include those listed in the **Screening Decision Report**.

Specific Terms and Conditions to note include:

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**19. Authorization**

Approved By: 

(NIRB Decision Maker)

Date: 99-03-25

(YYYY-MM-DD)

**20. Follow-up / Monitoring**

Minister's Determination

\_\_\_\_\_ Minister agreed with NIRB's indication.  
Action? \_\_\_\_\_

\_\_\_\_\_ Minister varied NIRB's indication.  
Action? \_\_\_\_\_

\_\_\_\_\_ Minister rejected NIRB's indication.  
Action? \_\_\_\_\_

If applicable,

\_\_\_\_\_ Is a follow-up/monitoring program required? If yes, give details.  
\_\_\_\_\_

\_\_\_\_\_ Has screening report information been added to NIRB's GIS/Culyx system?

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Northwest  
Territories Education, Culture and Employment

201 23

March 17, 1999

Jaide Edwards  
Environmental Assessment Screener  
Nunavut Impact Review Board  
Box 2379  
Cambridge Bay, NT X0E 0C0

Fax: 867-983-2594

Due date: March 10, 1999


Re: **NIRB 99EN149 - Cominco Exploration**

Dear Ms. Edwards:

Pursuant to A.s. 33.5.12 of the Nunavut Land Claim Agreement, the Prince of Wales Northern Heritage Centre gives consent for approval of the above-cited land use application.

Under A.s. 33.5.13, the attached conditions specify plans and methods of site protection and restoration to be followed by the permittee if an archaeological site is encountered or disturbed in the course of the land use activity.

Regards

  
Charles D. Arnold, Director  
Culture, Heritage and Languages

Prince of Wales Northern Heritage Centre





## **ARCHAEOLOGICAL RESOURCES: TERMS AND CONDITIONS BACKGROUND**

- I. The archaeological record of the Inuit of the Nunavut Settlement Area is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical, and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence which shall be expressed in terms of special rights and responsibilities.

The archaeological record of the Nunavut Settlement Area is of spiritual, cultural, religious and educational importance to Inuit. Accordingly, the identification, protection and conservation of archaeological sites and specimens and the interpretation of the archaeological record is of primary importance to Inuit and their involvement is both desirable and necessary.

In recognition of the cultural, spiritual and religious importance of certain areas in the Nunavut Settlement Area to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of the Nunavut Land Claim Agreement.

- II. "Archaeological site" means a site or work within the Nunavut Settlement Area of archaeological, ethnographical or historical importance, interest or significance or a place where an archaeological specimen is found, and includes explorers' cairns. "Archaeological specimen" means an object or specimen found in an archaeological site of archaeological, ethnographic or historical importance, interest or significance and includes explorers' documents.

- III. Any new Terms and Conditions raising issues found in ss. 10 and 16 of the Territorial Land Use Regulations should duplicate statutory sections, or be stricter, but not more lenient in terms of protection of archaeological resources.

- IV.
1. The permittee shall not operate any vehicle over a known or suspected archaeological site.
  2. The permittee shall not remove, disturb or displace any archaeological specimen or site.
  3. The permittee shall contact the Arctic Archaeologist at the Prince of Wales Northern Heritage Centre (867-873-7551) and DIAND official should an archaeological site or specimen be encountered or disturbed by any land use activity.
  4. The permittee shall immediately cease any activity which disturbs an archaeological or historical site, encountered during the course of a land use operation, until permitted to proceed with the authorization of the Prince of Wales Northern Heritage Centre (PWNHC).
  5. The permittee shall follow the direction of the Prince of Wales Northern Heritage Centre and DIAND in restoring disturbed archaeological sites to an acceptable condition, and according to the respective jurisdictions and authorities of the PWNHC (Article 33, Nunavut Land Claim Agreement) and DIAND Land Administration Division (Territorial Land Use Regulations).
  6. The permittee shall provide information to the Prince of Wales Northern Heritage Centre about each archaeological site or specimen encountered by any land use activity, by completing the attached form.
  7. The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and specimens.

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of the permit are aware of these conditions concerning archaeological sites and specimens.

8. Foot traffic on a heritage site may cause deterioration of the vegetation; this promotes erosion by exposing soil to the wind and melting underlying permafrost which leads to irreversible damage to archaeological deposits. Tourists and crew must use existing trails wherever possible.
9. Visitors should not stand in or on archaeological features as this will destabilize rocks which may be part of the structure or crush unexposed artifacts. Rocks which are part of a structure should not be moved at all; even removing and returning a rock to its original place can be damaging.
10. Ancillary activities (e.g. lecturing, picnicking) should be conducted off the site proper.

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**ARCHAEOLOGICAL SITE RECORD**

FIELD NUMBER:

SITE NAME:

PROJECT:

DESCRIBE LOCATION OF SITE:

TERRITORY: Northwest Territories

DISTRICT:

MAP REFERENCE:

JURISDICTION:

UTM:

LATITUDE:

LONGITUDE

ELEVATION:

SIZE:

CONDITION:

SITE TYPE CLASS:

- ☐ Prehistoric
- ☐ Indigenous historic
- ☐ Historic
- ☐ Natural
- ☐ Undetermined

SITE FEATURES:

CULTURE:

REPORTER'S NAME AND ADDRESS:

YEAR OBSERVED:

REMARKS/SKETCH/PHOTOGRAPHS:

[Please attach a copy of the NTS map (1:250,000) with the site location clearly marked.]

Return to: Prince of Wales Northern Heritage Centre, Yellowknife, Northwest Territories X1A 2L9  
Telephone: 867-873-7551; Fax: 867-873-0205

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## **IKAJUTIT HUNTERS AND TRAPPERS ASSOCIATION**

**P.O. Box 39, Arctic Bay, NT X0A 0A0**

**Tel: (867) 439-8483**

**Fax: (867) 439-8483**

**March 5, 1999**

**Jaida Edwards  
Environmental Assessment Screener  
Nunavut Impact Review Board  
P.O. Box 2379  
Cambridge Bay, NT  
X0E 0C0**

**Re: Mineral Exploration on Northwestern Baffin Island  
Cominco Exploration.**

**Dear Miss J. Edward's;**

On March 24, 1999 Ikajutit Hunters and Trappers Association held their Regular Meeting and the application for Mineral Exploration on Northwester Baffin Island Cominco Exploration and the Board of Directors had a concern of the Helicopter flying too low in the Hunting ground during the summer. Ikajutit Hunters and Trappers Board of Directors would like to meet with the group before they start the exploration.

Last summer there was another exploration which the hunters in the community complained about that the helicopter flying too low and scaring away the caribou. This year the Ikajutit Hunters and Trappers Association recommends for the group to use four wheelers because there is a good route that can be used for traveling by ATV's.

I am attaching the map that indicates the route of caribou hunting area near the community of Arctic Bay.

If you have any questions or concerns regarding the topic please do not hesitate to send fax to the above address.

Sincerely



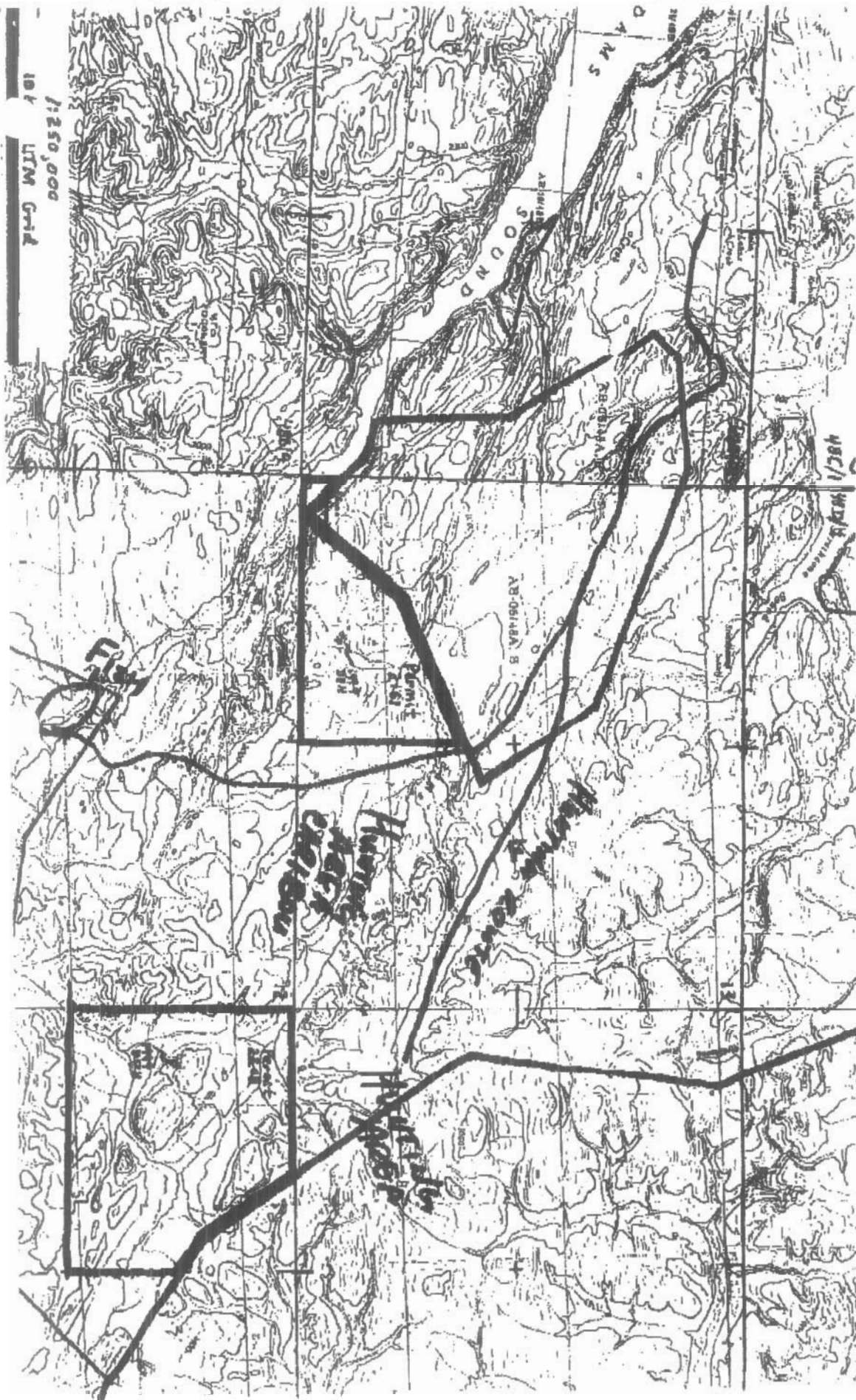
**Ligionie Iqaqrialu  
Secretary Manager**

cc. Hamlet of Arctic Bay

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MAR-26-99 08:46 From:NIRB

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**COMMENT FORM FOR NIRB SCREENINGS**

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and socio-economic impacts of project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

**Project Title:** Mineral Exploration on Northwestern Baffin Island  
**Proponent:** Cominco Exploration  
**Location:** Northwestern Baffin Island, NIRB#: 99EN149  
**Comments Due By:** Friday, March 19, 1999

**Indicate your concerns about the project proposal below:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> no concerns           | <input type="checkbox"/> traditional uses of land               |
| <input type="checkbox"/> water quality                    | <input type="checkbox"/> Inuit harvesting activities            |
| <input type="checkbox"/> terrain                          | <input type="checkbox"/> community involvement and consultation |
| <input type="checkbox"/> air quality                      | <input type="checkbox"/> local development in the area          |
| <input type="checkbox"/> wildlife and their habitat       | <input type="checkbox"/> tourism in the area                    |
| <input type="checkbox"/> marine mammals and their habitat | <input type="checkbox"/> human health issues                    |
| <input type="checkbox"/> birds and their habitat          | <input type="checkbox"/> Other: _____                           |
| <input type="checkbox"/> fish and their habitat           |   |
| <input type="checkbox"/> heritage resources in area       |   |

**Please describe the concerns indicated above:****Do you have any suggestions or recommendations for this application?**

**Do you support the project proposal?** YES ☒ NO ☐  
**Any additional comments?**

**Name of person commenting:** Peter Scott of GNWT  
**Position:** As Superintendent **Organisation:** Transportation  
**Signature:** [Signature] **Date:** 2/26/99



# HAMLET OF ARCTIC BAY

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P.O. Box 150  
Arctic Bay, NT X0A-0A0  
Phone: (867) 439 - 9917  
Fax: (867) 439 - 8767  
e-mail: hamletab@nunavut.com

1<sup>st</sup> March 1999

Nunavut Impact Review Board  
PO Box 2379  
Cambridge Bay, NT  
X0E 0C0

Attention: Jaida Edwards  
Environmental Assessment Screener

Dear Jaida:

Council have approved two of your files as per the following resolutions:

*"That file no. 99YN127 of the Nunavut Impact Review Board research license application for a project entitled 'Drilling for Ice Samples' be approved".*

*"That file no. 99EN149 of the Nunavut Impact Review Board regarding a land use permit for Mineral Exploration on Northwestern Baffin Island be approved subject to Cominco hiring one person from Arctic Bay and that they agree to no low level flying while going to or from their exploration site or sites".*

We have requested information from Pond Inlet in respect to your file no. 99TN137. However, it has not been received and therefore Council deferred decision to a later Meeting.

Sincerely,

Cecil O. Marshall  
Senior Administrative Officer

COM/jm



## COMMENT FORM FOR NIRB SCREENINGS

On behalf of the Environmental Protection Branch (EPB), Environment Canada, I have reviewed the information submitted with the above application. EPBs contribution for specialist advice is based primarily on the mandated responsibilities for the enforcement of Section 36 of the *Fisheries Act* and the *Canadian Environmental Protection Act* (CEPA).

**Project Title:** Mineral Exploration  
**Proponent:** Cominco Exploration  
**Location:** Northwestern Baffin Island **NIRB#: 99EN149**  
**Comments Due By:** March 19/99

**Indicate your concerns about the project proposal below:**

- ☐ water quality
- ☐ fish and their habitat

**Please describe the concerns indicated above:**

EPB's contribution to your request for specialist advice is based primarily on the mandated responsibilities for the enforcement of Section 36 of the *Fisheries Act* and the *Canadian Environmental Protection Act* (CEPA). On the basis of the information provided, EPB has concluded that the proposal does not have the potential to affect fish, nor does it give cause for any concerns under CEPA and its regulations; therefore, EPB has no concerns with this project.

**Do you have any suggestions or recommendations for this application?**

- No Concerns

**Name of person commenting:** Wade Romanko of Environmental Protection  
Branch - NWT Division

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**Position:** Aquatic Environmental Officer  
**Organisation:** Environmental Canada  
Suite 301, 5204-50<sup>th</sup> Ave., Yellowknife NWT

**Signature:**

**Date:**

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...the following project application:

0377/1994, 427/P.O. Box 9379 (number for Amy, HT/SEKALUKUTIAN, MURATIAMI NOC 000 - 1/6) v. /phone/MIVAYACITA: (747) 983-2593 = 71 0377/1994 v. /fax/FAX-KOT: (867) 983-2594