



## 2. Authorizing Agencies

Authorizing Agency(ies): NTI, Kivalliq I.A., Kitikmeot I.A., BRL, NWB, NWMB,  
DIAND, DFO, DOE, DRWED, Other \_\_\_\_\_

(circle one or more)

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

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

Type of Approval being sought: New  
(e.g., new renewal, stand-alone, etc.)

Other required approvals, permits or licences: \_\_\_\_\_

Present Authorizations (active): KIA T96 C103  
(file numbers)

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

Project File Location: NWB, Gjoa Haven  
Office where project file is located, contact person and number

## 3. Project Location

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

Land Use Planning Region: West Kitikmeot  
(e.g., West Kitikmeot,....)

Geographic Place Name: Kugluktuk  
(nearest place name or geographic feature)

Local Name: Contalugto hale  
(traditional name for location)

National Topographic Sheet (NTS) Number: \_\_\_\_\_ Scale: \_\_\_\_\_

Latitude / Longitude: 65°29'5", 110°16'00"  
(degrees, minutes, seconds)

Drainage Region and Watershed: \_\_\_\_\_  
(nearest creek, river or lake system)

Nearest Settlement: Kugluktuk

Adjacent Settlement / Out-post camps: \_\_\_\_\_

Surrounding Land Status: Inuit Owned  
(e.g., Inuit Owned, Commissioner's, Crown)

Special Designation: \_\_\_\_\_  
(Yes/No - e.g., heritage river, if yes, identify)

Does the project have Nunavut transboundary implications?: yes \_\_\_\_\_ no X \_\_\_\_\_

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

**4. Project Description and Assessment**

Physical Work, Activity: Camp  
(construction, camp, fuel cache, quarrying, harvesting, water works, installation, modification, operation, maintenance, scientific research.)

Multiple Activities:    Yes    No

Project Category Code: Point  Multiple Points  Linear  Area  
(circle those that apply)

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

**Project Description Summary:**

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

See Project Overview

**Alternatives Considered:**

(list all alternatives to the project and/or components of the project to avoid unnecessary amendments, eg. give 2 alternatives to the location of an ice road and camp logistics)

## PROJECT OVERVIEW

July 31, 1998

To: Distribution List via fax.

Re: NIRB file no. 98C03N115

Project: Exploration Campsite

Proponent: Ashton Mining of Canada Inc.

Region: West Kitikmeot

Location: 65° 29' 15 N, 110° 16' 00 W

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### Project Overview:

Ashton Mining of Canada Incorporated would like to set up an 8 person camp at Contwoyo Lake in the West Kitikmeot. The set up of the camp would begin August 6, 1998 to September 13, 1998. The camp will support a regional sampling program to be undertaken on Ashton's Con claims. The program associated campsite is currently under KIA Land Use Permit I96C103.

The camp consists of five Weatherhaven type tents to house eight people. It is located along the eastern shore of Contwoyo Lake and is situated on an esker to minimize the potential impacts of vocal vegetation.

They anticipate that the campsite will have a minimal impact on the surrounding environment. Each tent has a footprint of approximately 20m<sup>2</sup> so the total footprint of the campsite should not exceed 150m<sup>2</sup>. As they intend to place the camp upon the esker, any effect upon vegetation should be minimized.

The camp will be supported by float-based twin engine Otter aircraft on a regular basis, a Bell 2056 Jet Ranger helicopter will be situated at the camp during it occupation.

### Proposed Waste Disposal Methods:

Combustible garbage will be properly stored and burned daily in a suitable container. Non-combustible garbage and debris including any metal waste will be removed from the site by aircraft.

Sewage and gray water will be deposited into a sump away from water courses. The sump will be restored to the natural contours of the land prior to expiry of the permit.

As this is initially a fly in/fly out operation, no large scale or long term storage of petroleum fuels will be required. They intent to store a maximum of nineteen 45 gallon drums of fuel at the campsite to support the camp and aircraft involved in the sampling program (Jet B aviation and diesel). Fuel at the campsite will be stored at safe distances (at least 12 metres away) from drainage systems and bodies of water.

Upon completion of the campsite, all material and equipment will be removed from the site. Any lands affected by the campsite will be restored, to the most reasonable extent possible, to their original and natural state. All sumps will be restored to the natural contours of the land prior to the expiry of the permit.

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

Description of Proponent's Public Consultation Process:

To NIRB knowledge they contacted KIA and as a result have moved their camp to not block caribou migration on a "caribou highway" <sup>no indications of</sup> ~~no~~ <sup>community consultation</sup>

Did proponent make use of traditional knowledge?  Yes  No  
(Please attach list of contact names and/or sources of TK)

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.

~~Proponent advised to consult with communities and provide results of consultation~~

**6. Description of the Environment**

Description of Biophysical Environment:

Barren-ground caribou, move along the east shore and cross the narrow sections of land to the <sup>then</sup> west on their way to their winter range. to the south and west. (late July)

Description of Socio-Economic and Cultural Environment:

There is a permanent outpost camp on Contwoyo lake. Much of the harvesting activities are along Contwoyo lake towards Pettah lake area. Winter trap lines for Arctic fox extend along both sides of the lake and to NE. Major caribou hunts occur during spring and fall migrations. Wolves, wolverines and grizzly bears are hunted when encountered.



**8. 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
  - construction
  - abandonment/removal
  - modification e.g., widening
- automobile, aircraft or vessel movement
- 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 Camp
- possibility for accidents or malfunctions.

Describe. fuel spillage during refuelling  
transport storage

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 \_\_\_\_\_

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

Environmental Effect	Describe
#38	Camp is located in an area close to a caribou migration route may cause some disturbance (Campfire)
#12	Many archaeological sites are located in ledges, etc on higher ground which is where camp is to be.
#45 / #29	Eskers also key denning habitat for large mammals (grizzlies, fox, wolf etc) - locating campsite on eskers degradation (elimination of sewage).
#25	Deposit of alluvium and drift suffuses into a swamp with a swamp on the ground surface.
Exhibit	possible habitat

## 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
  - 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
4.  impact to traditional use area
5.  impact to outfitters
6.  impact on recreational use
7.  impact on family structure
8.  impact to community health
9.  change in community economics
10.  change in community housing or infrastructure
11.  impact to industry
12.  change in regional transportation
13.  impact to archaeological or cultural landmarks
14.  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
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27.  change in soil structure
28.  alteration of permafrost regime
29.  destabilization/erosion
30.  soil compaction
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32.  depletion of non-renewable resource
33.  removal of rare/endangered plant species
34.  introduction of species
35.  toxin/heavy metal accumulation
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41.  impact to birds
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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 \_\_\_\_\_

**10. Cumulative Environmental Effects**

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

Matching Number(s)

Description of Cumulative Environmental Effects

Possible impacts to Bowhead and Caribou Herd  
from numerous exploration activities  
located in Kitikmeot, Summer habitat and  
along Spring/fall migration routes.  
Further studies are needed  
to determine the impacts

**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)? possibly

**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 Terms and Conditions

**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)

Project proposal should have little or no significant impacts to environment if terms and conditions are adhered to.

Prepared By: JANADA EDWARDS Date: September 04/98  
Screener (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 17 a), NIRB's recommended terms and conditions include:

*See Screening Decision Report  
Terms and Conditions*

**19. Authorization**

Approved By: *CSL* Date: *98-09-10*  
(NIRB Decision Maker) (yyyy-mm-dd)

**20. Follow-up / Monitoring**

## Minister's Determination

Action? Minister agreed with NIRB's indication.

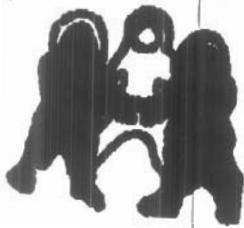
Action? Minister varied NIRB's indication.

Action? Minister rejected NIRB's indication

## If applicable,

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

Has screening report information been added to NIRB's GIS/Calyx system?  
Has screening report information been forwarded to NPC and NWB, for addition to their Project Registry?



*Chairman of the Board*

**Kugluktuk Katimayeen**

P.O. Box 271

**Kugluktuk, N.W.T. X0E 0E0**

**Phone: (403) 982-4471 or (403) 982-4461**

**Fax: (403) 982-3060**

**August 20, 1998**

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

**RE: NIRB file no. 98C03N115**

**Dear Sir:**

The Land Use application permit for Aston Mining of Canada Inc. which is proposed to take place from August 06 - September 13, 1998 at Contwoyto Lake has been approved by Hamlet Council pending on Kugluktuk Hunter's and Trappers Organization's Approval.

**Yours truly,**

**David H. White**  
**Senior Administrative Officer**



Northwest Territories Resources, Wildlife and Economic Development

Sept. 4, 1998

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

Re: **NIRB 98C03N115**  
Ashton Mining of Canada Inc., Contwoyto Lake

The comments below have been passed on verbally through ours but are documented for the record in this letter. They are summarized in the attached comment form (good idea). All comments submitted to NIRB are the sum of a consultation team where time permits; the officer in the area is the lead and confers with HTOs (in this case Andy McMullen); routine reviewers include Brent Patterson, Regional Biologist; Donna Kenneally, Environmental Protection Officer, and Jane McMullen, Community Minerals Advisor. Many of the comments will be addressed through a protocol scenario discussed with NIRB and partners.

**Specific Comments:**

The original camp was located on a caribou "highway" but, in consultation with RWED, KIA suggested to Ashton that they move the site. The late and longs noted in the application show a move. This demonstrates how early dialogue is worthwhile with companies.

In the project overview attached to the application it is noted that: "Combustible garbage will be properly stored and burned daily in a suitable container." Proper incineration on an ongoing basis with no storage is recommended. RWED recommends use of 45 gal. incinerator kit to INCINERATE garbage, more effective than a straight burn to control garbage odours. Units are commercially available from Northern Services and Supply in YK. The company could also be provided with design by RWED to have them made locally.

It is also noted that the non-combustible wastes will be flown out. The destination site should be clarified and owners of the disposal site should be notified of the incoming waste.

The overview notes that a sump will be used to handle sewage and grey water. No description of the sump is noted. Has capacity been considered? Will there be any treatment? Will the sump be routinely inspected and maintained?

The overview notes that fuel will be stored at safe distances from drainage systems. There is no mention of a spill plan or proper equipment to contain drips or remedy a spill.

**Andy McMullen, RRO III, Kugluktuk, will contact Ashton directly to provide recommendations on bear deterrents.**

Sincerely,

John Braggader

**Jane McMullen**  
**Community Minerals Advisor**

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Jack Hicks/Robert Eno, RWED Nunavut Headquarters  
Kelly Robertson, EA Analyst, PL&C RWED, Yellowknife  
Andy McMullen, RRO III/Donna Kenneally, EPO, RWED Kitikmeot

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: EXPLORATION CAMP SITE  
 Proponent: ASIAN MINING LTD  
 Location: MONTEGO LAKE NIN: 98CP3N15  
 Comments Due By: SEPTEMBER 24, 1998

Indicate your concerns about the project proposal below:

no concerns  
 water quality  
 terrain  
 air quality  
 wildlife and their habitat  
 marine mammals and their habitat  
 birds and their habitat  
 fish and their habitat  
 heritage resources in area

traditional uses of land  
 Inuit harvesting activities  
 community involvement and consultation  
 local development in the area  
 tourism in the area  
 human health issues  
 Other: None. See attached letter.

Please describe the concerns indicated above:

1. Water quality of swamp for sewage - lack of info.  
 b. a) fuel - spill plan? equipment?  
 2. Wildlife - burning of garbage  
     - in grizzly country  
 3. community - non-combustible destination

Do you have any suggestions or recommendations for this application?

re: 1. water quality - plan to address routine info + operation  
     - plan for contingencies  
 2. wildlife - properly incinerate combustibles

Do you support the project proposal? YES  NO

Any additional comments?

Have moved site to accommodate caribou "highway".  
 As with all camps, will establish dialogue on bear deterrents.

(Andy McMullen - cont) (Kangikuk) (Kangikuk)

Name of person commenting: Andy McMullen, Danna Kennedy, KUED Kitchmeat  
 Position: KRO III, ELO Organisation: KUED Kitchmeat  
 Signature: Andy McMullen Date: Sept. 1998



Environmental Protection Branch  
Suite 301, 5201-50<sup>th</sup> Avenue  
Yellowknife, NT X1A 1E2  
Tel: (867) 669-4700 Fax: (867) 873-8185

May 27, 1998

1165 036 L005

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

Dear Jaida Edwards:

**Re: Land Use Application NIRB 98C03N115 - Ashton Mining Canada Inc. - Mineral Exploration Campsite - (West Kitikmeot) Contwoyo Lake, NT**

On behalf of the Environmental Protection Branch (EPB), Environment Canada, I have reviewed the information submitted with the above application.

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 believes that the above noted project has the potential to affect fish pursuant to the *Fisheries Act*.

**Comments and Recommendations**

1. The proponent shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter fishbearing waters. All wastes sumps and fuel caches should be located a minimum of one hundred (100) metres from the normal high water mark of any such waterbody or streams.
2. Slash, debris or sediment must be disposed of above the high water mark such that they do not enter any waterbody. Stream bank disturbances must be minimized, and all disturbed areas stabilized upon completion of the project.
3. EPB shall be advised of any material changes to plans or operations associated with this project.

Please do not hesitate to contact me at (867) 669-4736 or [wade.romanko@ec.gc.ca](mailto:wade.romanko@ec.gc.ca) with any questions or comments regarding the foregoing.

Yours truly,

Wade Romanko  
Aquatic Environmental Technician

cc: Steve Harbicht (Head, Assessment & Monitoring, EPB)  
Neil Scott (Inspector, EPB)

