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عمى المراجرة المراجر NUNAYUT IMPACT REVIEW BOARD/NUNAYUTMI KANOGILIVALIAN KOT ELITTOHAIYEOPLOTIK TATIMAYIIT

SCREENING DECISION

Date: February 7, 2000

Mr. Thomas Kudloo Chairperson, Nunavut Water Board

Gjoa Haven, NT

JAN 0 9 2000

PUBLIC REGISTRY

Dear Mr. Kudloo:

RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on an Application: NIRB: 00EN063 DIAND: N1999C0115 NWB: NWB2JAM00

Exploration Hood River Area

Kennecott Canada Exploration Inc.

Authority:

Section 12.4.4 of the Nunavut Land Claim Agreement states:

Upon receipt of a project proposal, NIRB shall screen the proposal and indicate to the Minister in writing that:

- 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.

Primary Objectives:

The primary objectives of the Nunavut Land Claims Agreement are set out in section 12.2.5 of the Land Claims Agreement. This section reads:

In carrying out its functions, the primary objectives of NIRB shall be at all times to protect and promote the existing and future well-being of the residents and communities of the Nunavut Settlement Area, and to protect the ecosystemic integrity of the Nunavut Settlement Area. NIRB shall take into account the well-being of the residents of Canada outside the Nunavut Settlement Area.

The decision of the Board in this case is 12.4.4 (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;

Reasons for Decision:

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

- the impact of drilling activities on the ecosystem;
- impact to water quality, aquatic habitat and wildlife and ish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- the movement of vehicles and equipment on terrain;
- the impact of noise from helicopter and drilling activities and their disturbance to wildlife;
- the impact to archaeological sites or cultural landmarks in the area;
- the impact of all proposed activities on wildlife;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these
 on the ecosystem;
- clean up/restoration of drilling locations upon abandonment; and
- the cumulative effects from all the human usage activities that are occurring in the area.

Terms and Conditions:

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 conduct and lake-based winter drilling, in accordance with the Interim Guidelines for On-Ice dr lling.
- 3. The Permittee shall ensure that II drill cuttings are removed from ice surfaces.
- 4. The Permittee shall not use dri ing 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.
- The Permittee shall ensure that my drill cuttings and waste water that cannot be re-circulated be removed from the site or disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody.
- 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.
- 7. The Permittee shall not locate any sump within thirty (30) metres of the normal high water mark of any water body.
- 8. The Permittee shall ensure that disturbance of vegetation from deposit of drill fluids/cuttings is restricted to the area of the sump and the ground prepared for revegetation upon abandonment.
- 9. 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 outflew of water. If an artesian occurrence shall be reported to the Nunavut Water Board and Land Use Inspectors within 48 hours.

Environmental

- 10. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
- 11. 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.
- 12. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.
- 13. The Permittee shall be required to undertake any corrective measures in the event of any damage to the land as a result of the permittee's operation.
- 14. The Permittee shall not use any equipment except of the type and size, and number that is listed in the accepted application.

Fuel and Chemical Storage

- 15. The Permittee shall ensure that fuel stor ge containers are not located within thirty-one (31) metres of the ordinary high water mark or any body of water.
- 16. The Permittee shall ensure that any chen icals, fuels or wastes associated with the project do not spread to the surrounding lands or enter into any water body.
- 17. The Permittee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be prepared immediately.
- 18. The Permittee shall seal all container out ets except the outlet currently in use.
- 19. The Permittee shall mark all fuel containers with the Permittee's name.
- 20. The Permittee shall dispose of all combistible waste petroleum products by incineration or removal.
- 21. The Permittee shall immediately report a 1 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

- 22. 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.
- 23. The Permittee shall not locate any sumps or areas designated for waste disposal within thirty (30) metres of the ordinary high water mark of any body of water, unless otherwise authorized.
- 24. The Permittee shall construct a sump to contain all greywater discharged and shall ensure drainage is away from any waterbody.
- 25. The Permittee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the permit.
- 26. The Permittee shall incinerate all combustible and food wastes daily in a container acceptable to the Land Use Inspector, to eliminate potential for wildlife problems created by the attraction of wildlife to garbage.

- 27. The Permittee shall keep all garbage and debris in a covered metal container until disposed of.
- 28. The Permittee shall ensure that all non-combustible vastes generated through the course of the operation are backbauled and disposed of in an approved dumpsite.
- 29. The Permittee shall not bury any metal wastes.

Wildlife

- 30. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
- 31. The Permitte shall not feed wildlife.
- 32. The Permittee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
- 33. The Permittee shall cease activities that may interfere with migration or movement of caribou such as airborne geophysics surveys or drilling activities until the caribou have vacated the area.
- 3. The Permittee shall ensure that aircraft pi ots adher to recommended flight altitudes of greater than 300 m above ground level as o not disturb wildlife. Raptor nesting sites and concentrations of nesting or molting waterfo vI should e avoided by aircraft at all times.
- 35. The Permittee will avoid by at least 1.5 km testing rattors between April 15 and September 1st. The nests will not be approached while of foot or in a vehicle.
- 36. 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.
- 37. 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.
- 38. The Permittee shall not obstruct the movement of ish while conducting the land use operation.
- 39. The Permittee use the latest bear detection and deterrant techniques to minimize man-bear interactions.

Archaeological Sites

40. 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.

Attachments

41. The Permittee shall refer to the attached Department of Sustainable Development comments and recommendations and the Fisheries and Oceans letter of advice addressed to the Permittee.

Reclamation

- 42. The Permittee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonm nt.
- 43. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
- 44. The Permittee shall undertake ongoing restoration for any land or improvements, which are no longer, required for the Permittee's operation on the land.
- 45. 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

- NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
- NIRB advises the proponent to consult with local residents regarding their activities in the
 region. Consultation with the Burnside HTO of Bathurst Inlet regarding the project location,
 timing and possible use of local resources is strongly recommended.
- 3. The Permittee is advised to document wildlife signtings in a consistent manner.
- Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.
- 5. The Environmental Protection Branch (DOE), I epartment of Fisheries and Oceans (DFO), Nunavut Impact Review Board (NIRB), and the Nunavut Water Board (NWE) should be 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 Feb. 7/3000 at Cambridge Bay, NT

Larry Pokok Aknavigak, Chairperson

Attachment: NIRB Screening Form

c.c DIAND Land Administration, Yellowknife, NT

(October 1998 version) Nunavut Impact Review Board Screening Form



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NUNAVUT IMPACT REVIEW BOARD SCREENING FORM

1. General File Information on Screening		
NIRB #: DOEN DO 3 Authorizing Agency #(s): Demail	r licence #	
11/199	900	115_
Project Title: Exploration Hood River &		
Proponent: Lement Company/Applicant Company/Applicant	How	Inc.
Proponent's Address: 354-200 Granille S	reet	
Janaanser, BC		
V6C. SY Full Address		
Contractor:		
Company / persons doing the work if different from the proponent		
address and contact numbers		
Proposed Starting Date of Activity: 0\00000000000000000000000000000000000		
EA Starting Date: Rember 22, 1999 Date application accepted (yyyy-mm-dd)		
Date Application Referred for Comments:	1999	
(yyyy-mm-dd))		1
Deadline for Comments: January 25, 2000		
NIRB's EA Indication: 12.4.4 (X)	- 1	
Date of Indication: Tebruar 7, 2000		
Project Cancelled: Yes, Give Reason		1
Project Cancelled. 165, Give (casoli	1	
Comments:		
	-	

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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: Sondia Broadury (office where project file is located, contact person, number)
Land Status: Inuit Owned Crown Commissioner's Marine Areas
Type of Application: lond use permit, quarry permit, research permit, lease, reserve)
Type of Approval being sought: (e.g. new. renewal, amendment, cancellation)
Other required approvals, permits or licences: (e.g. water licence, land use permit, quarry permit, lease, reserve)
Present Authorizations (active): 3 VTA (file number)
Previous Authorizations (inactive/expired): (file number)
3. Project Location
Kivalliq Baffin
Land Use Planning Region: Sest With Mest (e.g. West Kitikmeot, North Baffin, South Baffin, Kivalliq)
Geographic Place Name: Honor Rives (nearust place name or geographic feature)
Local/Traditional Name:
National Topographic Sheet (NTS) Number 30 Scale: 1.250,000
Latitude/Longitude: 100 40 10 100 100 100 100 100 100 100 1
Drainage Region and Watershed: 100 River (nearest creek, river or lake system)
Nearest Settlement: Bothwist Inlet, Kugluktuk
Adjacent Settlement/Out-post camps:
Special Designation: (Yes/No-eig. Heritage River, Wildlife Reseserve, Park)
Does the project have Nunavut transboundary implications? Yes No
If yes, what additional procedures/contacts are needed?

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-	
4.	Project Description and Assessment
Phy	sical Work, Activity(ies):
	(drilling, construction, camp, research water works, installation, modification, maintenance)
Мц	tiple Activities: Yes No
Pro	ect Category Code: Point Multiple Foints Linear Area
Pha	se of Project: (exploration, balk sampling, development, operations, decommissioning, abandonment/restoration)
Pro	ect Description Summary (non-technical):
(dur	ion of project, size of project, number of personnel on site, related physical activities, machinery used, fuels and chemical use and storage.
asso	ated infrastructure, methods of transportation, amount and source of resources needed eg. Gravel)
_	Attach Project Overview (English and Inukitut)
	ernatives Considered:
	Il alternatives to the project and/or components of the project to avoid unnecessary amendments, (e.g. alternatives to location of ice road or logistics)
-	
_	
less Clavel	
5	The Property Public Consultation Property
5.	The Proponent's Public Consultation Process
De	cription of Proponent's Public Consultation Process
-	↑ ↑ ↑
Di	proponent make use of traditional knowledge? Yes No/_
W	s information available in the community's preferred language? Yes No
	NIRB's opinion, was the proponent's public consultation adequate? Yes No/
	o, explain why the proponent's consultation program was found deficient.
11	o, explain why the proportent's consultation program was round deficient.
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(October 199) version) Nunavut Impact Review Board Screening For i

KENNECOTT CANADA EXPLORATION INC.

2000 FIELD EXPLORATION PROGRAMS

Kennecott Canada Exploration Inc. (Kennecott) plans to carry out mineral exploration surveys for diamonds in Nunavut from March 15 through to the end of the summer field season in 2000. The specific properties are called Hood River and Rocking Horse. The Hood River mineral claims are located surrounding the Hood River, approximately 120km due west of Bathurst Inlet. The Rocking Horse mineral claims are north and east of Takajuak Lake, approximately 200km west and southwest of Bathurst Inlet. Kennecott h s concession agreements on parts of Inuit Owned Land parcels CO-20 and CO-44. The camps for the respective properties are located just vest of the northwestern corner of CO-21 (Bigfoot Camp, Hood River) and at the northern end of Napaktulik Lake (Tak Camp, Rocking Horse).

In 2000, Kennecott will conduct continuing surface exploration: geochemical till sampling and surface geophysical surveys to locate anomalies related to diamond exploration. The company is also planning sonic and core drilling in areas where the surface surveys have indicated that diamond bearing rocks may be present. Results of these surveys are reported to NTI and DIAND annually. The field survey crews will consist of a Kennecott project geologist with seasonal field assistants. The field assistants will include Nunavut residents from Kugluktuk and perhaps other communities. Many of the Inuit field assistants hired in 1999 may return to work for Kennecott in 2000.

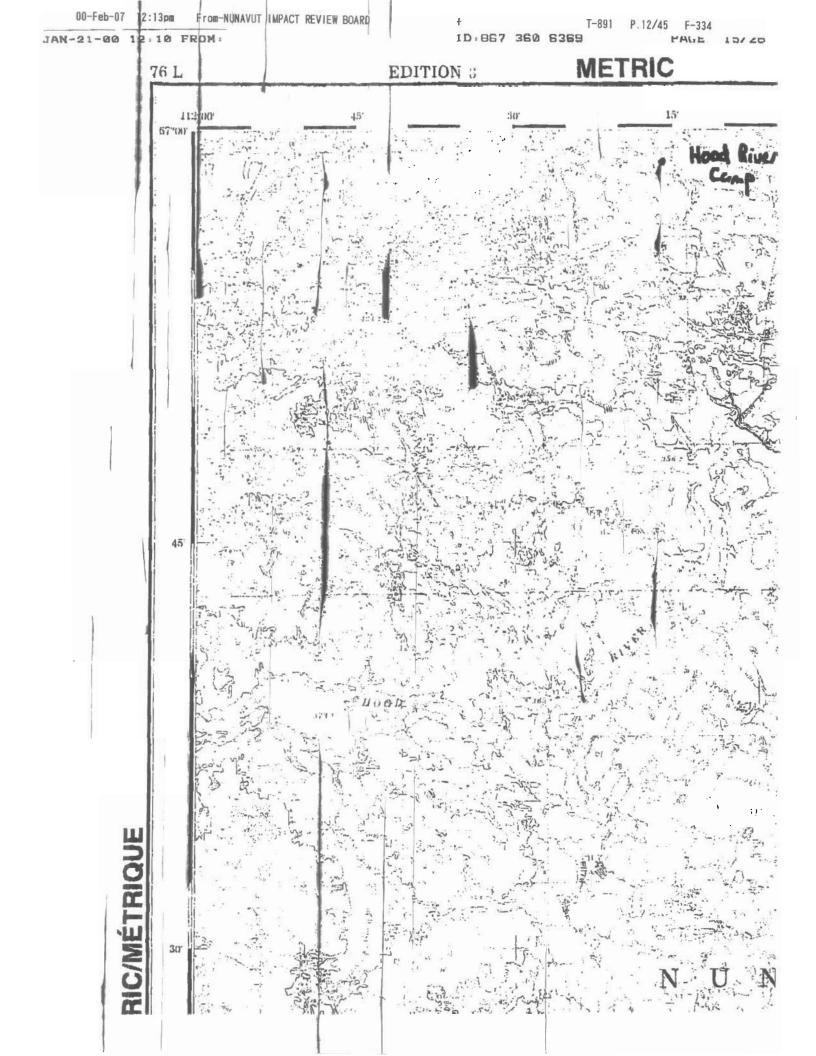
Kennecott has applied for or received approval from both the Kitikmeot Inuit Association and DIAND for Land Use Licences that will cover all surface work and drilling.

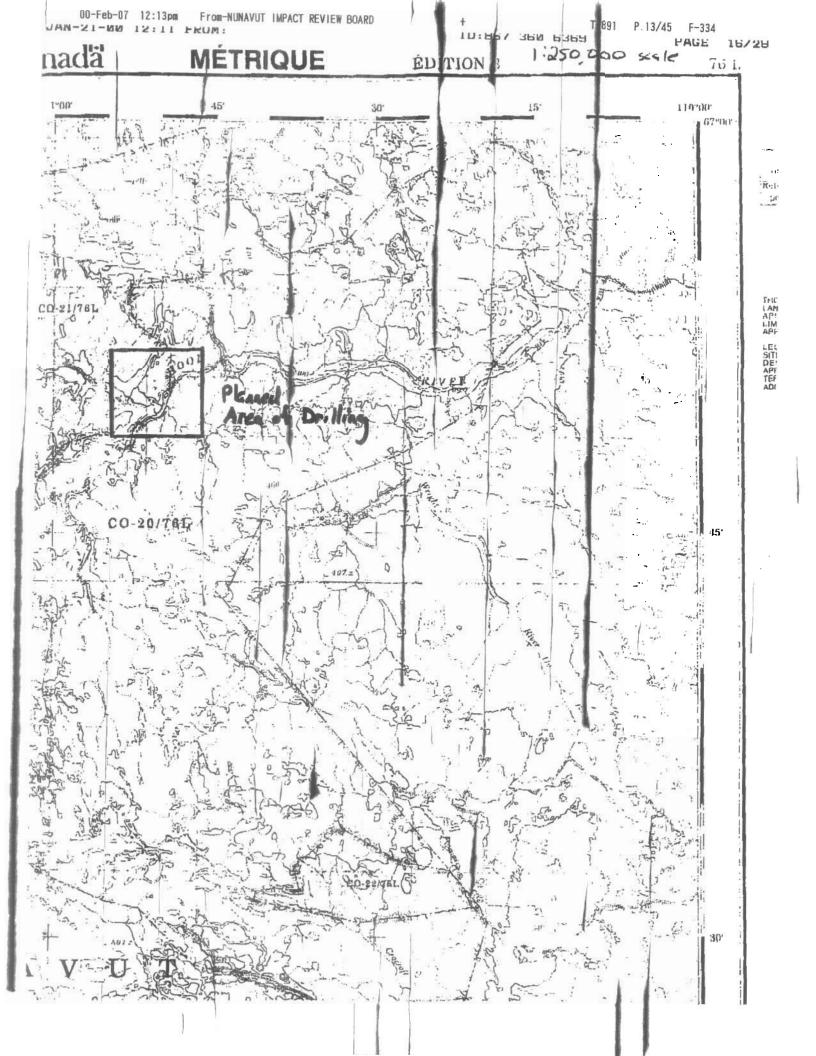
Kennecott is committed to developing and maintaining excellent relationships with the communities affected by our exploration activities. Our company also has strict environmental policies for our own employees as well as contractors who work for us, and protection of the land is an essential part of our exploration programs.

2000 par Phiadicili 4-1704 Acranic

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6. Description of the Environment	
Description of Biophysical Environment	
Many sand plateaus and river valley are	
the home to many girety beau, walks and	
numerous ground Equinel whiles don along	
the books,	7
In Early spring the barren- around caribon	
of the Bathurst rend migrate asknowld along	2
the Hood river valey and cores Brothmest	7
afford to calve in the region east of the	
Joseph.	
	- PERSONAL PROPERTY AND INC.
Description of Socio-Economic and Cultural Environment	
Very little bushing or trapping och wity	
how been reported in this inland over in	_
recent years.	
	denotes a
	Marin.
	•
(October 1998 version) Nuna at Impact Review Board Screening Form	- April 1999

7. NIRB's Consultation Date application referred for		14000 5,2000
Deadline for comments:	Janua	(yyyy-mm-ddi)
District View		- Gryyy-mm-dd)
Distribution List: NUNAVUT: NTI QIA Kivalliq I.A. NPC NWB NWMB RWO Inuit Heritage Trust Community(s) Hamlet HTO Other?	Bothwest Elizabe	Date comments received:
FEDERAL: DIAND DFO DOE Heritage Can. Natural Resources CCC Other? (eg. Health DOT, DND)	Boxane Brank Lucko Kini Wade Romant Rich McLean	2000 10,000 2000 25,200 2000 25,200
GNWT: DRWED Transport	chis Michals	an alona?
MACA PWNHC Other? (eg. Health, Soc. Serv., ECE)	Charles Arnol	Zen 14, 2000
TRANSBOUNDARY PARTIES		
OTHER PARTIES		

Identification of Project Activities and Enviro	nmen al Effects
Identify all activities of the project under screening and the	eir pote tial adverse environmental effects.
Project Activities	Proje t Effects
(\sqrt check all the items appropriate to this project)	(V check all the items appropriate to this project)
	(talk an the nems appropriate to this project)
access road winter	Direc ly-related Socio-Economic & Cultura
construction	Effects:
abandonment/removal	I impact to hunting / trapping / fishing
modification e.g., widening	2impact ontwomen
untomobile, aircraft or vessel movement blasting	men children
burning	elders
burying	3impact to traditional use or traditional use area
channelling	4impact to outfitters
construction	5impact on recreational use
shed/warehouse	impact or family structure impact to community health
landing strip	7impact to community health 8change in community economics
cut and fill removal of vegetation	9change in community housing or
dams and impoundments	infrastructure
construction	impact to industry
abandonment/removal	11change in regional transportation
modification dirch construction	12impact to archaeological or cultural landmarks
drainage alteration	impact on beauty of the landscape ther, explain
drilling other than geoscientific	14bdiet, explain
ecological surveys	Biophysical Environment Effects
excavation explosive storage	15deposit into surface or ground water
V fuel storage	 deposit to marine environment
1 garbage	17change in surface or ground water flow
disposal of hazardous waste disposal of sewage or grey water	18 change in water temperature 19 change in drainage pattern
disposal of solid waste	20 change in air quality
✓ geoscientific sampling	21change in air flow
trenching	22micro-climate change
diamond drill borehole core sampling	25ice fog
_ bulk soil sampling	24. Lehange in ambient noise level
quarry	25 Ledeposit onto ground surface 26 change in slope stability
hydrological testing river/stream/lake crossing/bridging	21change in soil structure
site restoration	28alteration of permafrost regime
fertilization	21destabilization/erosion
grubbing planing/seeding	3 soil compaction
scanification	3 change in access to renewable resources
spraying	 32 depletion of non-renewable resource 33 removal of rare/endangered plant species
recontouring	34introduction of species
soil resting tops oil, overburden or soil	36toxin/heavy metal accumulation
611	3b removal of rare/endangered wildlife species
disposal	37change in wildlife health
removal storage	38. Impact to large mammals 30impact to small mammals
storage gunnelling/underground	4). Wimpact to fish
other, explain CONTO	41impact to birds
17. 6	42. Impact to other wildlife
possibility for accidents or malfunctions. Describe.	43impact in a calving, nesting, staging or
	spawning area
	44removal of wildlife buffer zone 45change in wildlife habitat ecosystem
effects of environment on project (e.g., flooding).	45change ii. wildlife habitat/ecosystem 46other, explain
Describe.	Janes, Capatan
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Describe biophysical and socio-economic and cultural effects identified from check-list.

Favironmental Pillare	Describe	
Environmental Effect	Describe	
434	gence in Emplant Die 61	19
#35	dominates outo	Land
#35	Conjunt what the things are	
47	modines chica posto con con con con con con con con con co	reig?
	-	
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	Other Resources Used in the Area. Identify
past, current and future (pending applications) physic	cal works and activities in the area (for the
proponent, other proponents and nearby communities	es) and their potential adverse environmental effects.
Other Resource Uses	Effects from Other Resource Uses
(V check all the items appropriate to this project)	(V check all the items appropriate to the scope of this
(Terror at the fields appropriate is this project)	project)
harvesting	projecti
	Discustly unlessed to a in France in S. C. H.
marine mammals	Directly-related Socio-Economic & Cultural
land mammals	Effects
fur bearers	1impact to funting / trapping / fishing
birds	2impact on:women
shellfish	men
plants	children
bernes	elders
1 Irish	 impact to traditional use or traditional use area
mining	4impact to outfitters
exploration	 impact on recreational use
open pits	6impact on family structure
underground	7impact to community health
T off-shore	8 change in community economics
inineral processing	9 change in community housing or infrastructure
	10 _ unpact to industry
quarries	11 change in regional transportation
carving stone	12 impact to archaeological or cultural landmarks
aggregate	13] impact on beauty of the landscape
transportation/communications	14 other, explain
airport / landing strip	Di I I I I I I I I I I I I I I I I I I I
roads/access routes	Biophysical Environment Effects
shipping	15 deposit into surface or ground water
channels/canal	16ceposit to marine environment
telephone lines, satellite dishes, cables	17 change in surface or ground water flow
beacons	18 change in water temperature
waste disposal (solid, liquid or gas?)	19 change in crainage pattern
energy project	20 change in air quality
hydro	21 change in air flow
pipeline	22nicro-climate change
transmission line	23iqe fog
other water licenses, permits, leases	24 change in ambient noise level
lands	25deposit onto ground surface
Inuit owned	26
-surface rights	27 change in soil structure
-sub-surface rights	28a teration of permafrost regime
Crown	29destabilization/erosion
Commissioner's	30 soil compaction
Marine Areas	31 change in access to renewable resources
	32depletion of non-renewable resource
other private lands held under tenure	
heritage sites or archaeological sites	
recreation (eg. cabins) tent frames)	
tourism	35toxin/heavy metal accumulation
municipal (construction)	36removal of rare/endangered wildlife species
commercial	37change in wildlife health
built structures	38 impact to large mammals
infrastructure }	39impact to small mammals
agriculture	40impact to fish
forestry	41impact to birds
other, explain	+2impact to other wildlife
1200	43 impact in a calving, nesting, staging or spawning
	area
	44 removal of wildlife buffer zone
	45 change in wildlife habitat/ecosystem
	46. other
(October 1998 version) Nunavut Impact Review Board Screening Fo	100

10. Cumulative Environmental Effects Based on a comparison of effects identified in #8 and #9.
Matching Number(s) Description of Cumulative Environmental Effects
Will the project make large demands on non-renewable energy sources? 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)? Will the project encourage a "boom-bust" economy over an economy of permanence? Will the project encourage more wildlife harvesting on a count of better access for hunters and fishers? Will the project have an effect on the water quality of the watershed? Will the project have a significant effect on existing land uses?
For each environmental effect identified in #8, #9 and #10, describe the required ruitigation measures. Number(s) Description of Mitigation Measures
(as identified in #8, #9 & #10)
Report Decision

12. Significance	
After taking into account the mitigation measures identified in #11, are any of the residual, adve	rse
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 occ	ur?
YesNo	
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	
photos	
reports (scientific, economic, social, or anthropological, archival or historical	
information)	
Nunavut Environmental Database (NED)	
personal communications Project Registry (NPC) NTRS	
previous similar projects	
service organizations	
media monitoring	
experts	
other For information sources identified above, provide contact person and/or information	

15. Staff Recommendations

Staff Recommendations: (include rationale)

14/4 or up environmental interest

Prepared By: Screenes Screenes

Date: School 37,300

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 o; NIRB shall identify particular issues or cor terns 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.

T-891

P. 22/45 F-334

00-Feb-07 12:21pm

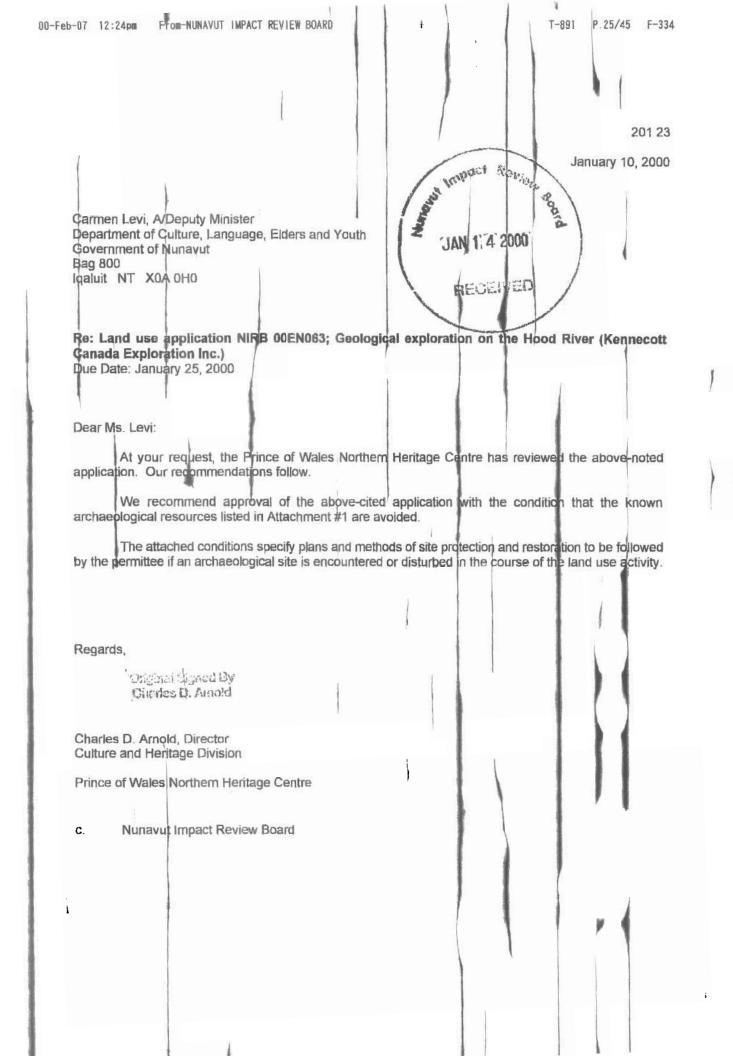
From-NUNAVUT IMPACT REVIEW BOARD

00-Feb-07 12:22pm From-UNAVUT IMPACT REVIEW BOARD	+	T-891 P.23/45 F-334
JAN-10-00 18:26 From:DIAND WATER RESOURCES	8676682716	T-293 P.04/07 Job-265
. JAN-06-00 13:33 †	Р 03	R-649 Job 209
DD~Jan~05 D2:30mm From-NUN VUT IMPACT REVIEW BOARD	+	T-433 P.03/21 F-064
	1	
COMMENT FORM F	FOR NIRB SCREEN	NINGS
The Nunavut Impact Review Board has ecosystem for the existing and future environmental and socio-economic impact your concerns, comments and suggestion	residents of Nunavut.	In order to assess the
Project Title: _Exploration Hood River Proponent: _Kennecott Canada Explor		

Location: __Hood River Area , NIRB#: _00EN083 Comments Due By: _Tuesday January 25, 2000_ Indicate your concerns about the project proposal below: Empanos on I traditional uses of land ☐ water quality ☐ Inuit narvesting activities a community involvement and consultation □ temain I local development in the area I air quality wildlife and their habitat pens adt in manuat marine mammals and their habitat
birds and their habitat
fish and their habitat
their habitat
heritage resources in area A human health issues Li Other:_ Please describe the corcerns indicated above: Any water-related concerns will be addressed during the water Licence Renewal. 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: Rocans Beauers of Position: Project Specialist Organisation: DIAND Water RESOURCED Signature: 12 2000

JAN 05 '00 15:20

PAGE. 03



ARCHAEOLOGICAL RESOURCES: TERMS AND CODITIONS BACKGROUND

The archaeological record of the Inuit of Nunave is a record of Inuit use and occupancy of lands and resources through time. The evidence asso ated with their use and occupancy represents a cultural, historical, and ethnographic heritage of In it society and, as such. Government recognizes that Inuit have a special relationship with such special rights and responsibilities.

The archaeological record of Nunavut is of spiritue, cultural, religious and educational importance to Inuit. Accordingly, the identification, protectice, 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 Nunavut to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of Nunavut Land Claim Agreement

- "Archaeological site" means a site or work within Nunavut 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, ethnological 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.
- The permittee shall not operate any vehicle over a known or suspected archaeological site.
 - The permittee shall not remove, disturb or displace any archaeological specimen or site.
 - 3. The permittee shall contact the Department of Culture, Language, Elders and Youth, Iqaluit (867-979-4720) 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 Department of Culture, Language, Elders and Youth.
 - 5. The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological sites to an acceptable condition, and according to the respective jurisdictions and authorities.
 - The permittee shall provide information to the Department of Culture, Language, Elders and Youth 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.
 - 8. The permittee shall avoid the known archaeological sites in the area as listed in Attachment
 1.

FIELD NUMBER:	ALOUAL S	L KLOGKD
SITE NAME:		
PROJECT:	1	
DESCRIBE LOCATION OF SITE	:)	
TERRITORY: Nunavut DISTRICT: MAP REFERENCE: JURISDICTION: UTM: ILATITUDE: ILONGITUDE ELEVATION: CONDITION:		SIZE:
SITE TYPE CLASS:	Prehistoric Indigenous histor Historic Natural Undetermined	
SITE FEATURES:		
CULTURE:	1	
REPORTER'S NAME AND ADDI	RESS:	
YEAR OBSERVED:		
REMARKS/SKETCH/PHOTOGR	APHS:	

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

Return to: Department of Culture, Language, Elders and Youth, Government of Nunavit, Bag 800, Iqaluit NT X0A 0H0 (867-979-4720)

ATTACHMENT #1

BN: MeNu-1 UB: MN LB: eu SN: 001

PN: NWT 96-83

PRO: Ulu Mine Project - Phase 1

LOC: On the middle terrace, on the north bank of the Hood River, west of

upper rapids (MeNu-2).
TER: NUNAVUT
DST: WEST KIT KMEOT
LAT: 664747
LNG: 1105902

UTM: 12WWK ED072 N0851

MR: 76L/15
EL: 350 m. ASL
CON: undisturbed
JUR: federal
OWN: Nunavut
TY: station (chipping)
TYC: prehistoric
FE: scatter (lithic)
RES: Kroker, S.
OD: 1996

UPRE: ASC ARCHIVES Ms. 3909

RE: Consists of two lithic concentrations. The site was flagged for

avoidance. ASC: 000043666

BN: MeNu-2 UB: MN UB: eu SN: 002

NAM: Upper Rapids PN: NWT 96-831

PRO: Ulu Mine Project - Phase 1

LOC: On the upper plateau on the south bank of the Hood River love looking

the upper rapids.
TER: NUNAVUT

DST: WEST KITIKMEOT

LAT: 664728 LNG: 1105926

UTM: 12WWK E0042 N0798

MR: 76L/15
EL: 390 m. ASL
CON: undisturbed
JUR: federal
CWN: Nunavut
TY: campsite
TYC: prehistoric

FE: tent ring; scatter (lithic)

RES: Kroker, S. OD: 1996

COL: 1996 Kroker, S. PWNHC UPRE: ASC ARCHIVES Ms. 3909

LNG: 1105901

MR: 76L/15

UTM: 12WWK E0072 N0483

EL: 400 m. ASL. CON: undisturbed SIZ: 1 m. sq. JUR: federal OWN: Nunavut TYC: undetermined FE: caim RES: Kroker, S.

UPRE: ASC ARCHIVES Ms. No. 3909

RE: Consists of a cluster of small boulders. Does not appear to be recent.

ASC: 000043687

OD: 1996

T-438 P.03/21 F-065

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:

Proponent: _Kennecott Canada I Location: _ Hood River Area _ Comments Due By: _Tuesday Ja Indicate your concerns about the	NIRB#: _00EN063
in no concerns water quality I terrain air quality wildlife and their habitat in manne mammals and their habitat in birds and their habitat in fish and their habitat in hentage resources in area Please describe the concerns ince Affached	☐ traditional uses of land ☐ Inuit harvesting activities ☐ communit involvement and consultation ☐ local development in the area ☐ tourism in the area ☐ human he th issues ☐ Other: ☐ dicated above:
Do you have any suggestions or	recommendations for this application?
Do you support the project prop Any additional comments?	osal? YES 🗆 NO 🔯
Name of person commenting: 5 Position: Vice Chair perso Signature: San Karpas	a prganisation: Burnside H.T.D.

COMMENTS REGRADING NIRB 00E 1063

KENNECOTT CANADA

Concerns:

The applicant does little to inform us of their activities

While there camps are based on Crown Land they ask is every year to support their applications.

The people of Bathurst have seen little in the way of economic benefit from this company.

Our business have asked them for the opportunity to provide services. To date they have not been considered.

Recommendation:

If the company wants support for their operations they should show that they are willing to support our people / business.

Conclusion:

The past has shown that this company is not serious about considering supporting local people or their companies. We see no reason to support them.

Jan-25-200	00 13:51 From-NUNAVUT IMPACT REVIEW BOARD 00 13:51 From-FISHERIES & OCEANS 05 01:38pm From-NUNAVUT IMPACT REVIEW BOARD	+1-867-669-4841 +	T-891 P.32/45 F-334 T-226 P.007/011 F-447
	COMMENT FORM F The Nunavut Impact Review Board ha ecosystem for the existing and future is environmental and socio-economic impact your concerns, comments and suggestion. Project Title: Exploration Hood River Proponent: Kennecott Canada Exploration: Hood River Area Comments Due By: Tuesday January Indicate your concerns about the project of the project of the concerns water quality is maken quality wildlife and their habitat in making mammals and their habitat in heritage resources in area Please describe the concerns indicate of the project of the concerns indicate of the concerns in the concerns in the concerns indicate of the concerns indicate of the concerns indicate of the conc	residents of Nunavut. Its of project proposals, Its of project proposals, Its about the following provided in the following provided in the following provided in the following activity in the following activity in the following following in the following following in the following fol	ct the integrity of the n order to assess the NIRB would like to hear oject application. ODEN063 Indicates ent and consultation the area
	Do you support the project proposal? Any additional comments? Name of person commenting: LY Position: Block 6157 Signature:	1	F0 2-160

Jan-25-2000 13:61

From-FISHERIES & OCEANS

+1-867-668-4841

T-891 P.33/45 F-334
T-226 P.008/011 F-44

Fisheries and Oceans

Péches et Océans

Fish Habitat Management Suite 101, 5204-50th Avenue Yellowknife, Northwest Territories X1A 1E2

Your file Votra ederano

Out file Natur references

January 24, 2000

Gladys Joudrey
Environmental Assessment Officer
Nunavut Impact Review Board
P. O. Box 2379
Cambridge Bay, NT
X0A 0C0

RE: NIRB File # 00EN063 Mineral Exploration Hood River Area, Nunavut

Dear Ms. Joudrey:

The Department of Fisheries and Oceans, Fish Habitar Management - NWT Area (DFO-FHM) received the Land Use Permit Application, Nunavut Impact Review Board (NRB) File # 00EN063, Mineral Exp oration, Hood River Area, Kennecott Canada Exploration Inc.

Under the Nunavut Land Claims Agreement, DFO-FIIM is participating in a NIRB screening by providing specialist information and/or advice. DFO-FHM's assessment takes into consideration fish and fish habitat related concerns only.

Any concerns, comments or mitigation measures that DFO-FHM feels are pertinent to the above mentioned project are outlined in the following letter of advice, addressed to the proponent, and should also be considered specialist information and/or advice for the purposes of a NIRB screening.

If you have any questions, feel free to contact me at (867) 669-4744 or Pete Cott 669-4913 or by fax at (867) 669-4941.

20

Lyndon Kivi
Habitat Biologist
Fish Habitat Management
Department of Fisheries and Oceans- NWT Area

Canada

From-FISHERIES & OCEANS

+1-867-889-4941

T-228 P.008/011 F-44

Fisheries and Oceans Paches et Océans

Fish Habitat Management Suite 101, 5204-50th Avenue Yellowknife, Northwest Territories X1A 1E2

Your file Votes reference

Our file Notes expressed 00-13CAA-CA6-000-000010

January 24, 2000

Dean Pekeski
Kennecott Canada Exploration Inc.
354-200 Granville Street
Vancouver, BC
V6C 1S4

RE: Land Use Application NIRB# 00EN063, Mineral Exploration, Hood River Area.

Dear Mr. Pekeski:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management - NWT Area (DFO-FHM) received your Land Use Application for mineral exploration in the Hood River area submitted on your behalf by the Nunavut Impact Review Board. I have reviewed the plans for the proposed work.

Field operations in or near water may result in the hamful alteration, disruption or destruction of fish habitat, which is prohibited under Section 35 of the Fisheries Acr. In addition to the measures set out in the project proposal, the following mitigation measures, if incorporated into the project, are intended to prevent any potentially harmful impacts to fish and fish habitat:

- All disturbed areas should be stabilized and re-vegetated as required, upon completion of work, and restored to a pre-disturbed state, or better.
- If artesian flow is encountered, drill holes should be plugged and permanently sealed upon completion of the project.
- When using explosives, please follow the Guidelines for the Use of Explosives In or Neur Water (DFO, 1998) available on request. If, for my reason these guidelines cannot be followed, please contact DFO, as an Authorization may be required.
- If the drilling requires water in sufficient volume that the source waterbody may be
 drawn down please submit details (volume required, size of waterbody, etc.) to DFOFHM for review. DFO-FHM does not recommend the use of streams as a water
 source.
- All water intakes should be properly screened to prevent the entrainment of fish.
 Refer to the Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO 1995), available on request;

Canada

Jan-25-2000 13:58

- Winter lake/stream crossings should be located to minimize approach grades.
 Cutting or filling of crossing approaches below the normal high water mark will not be permitted unless approved by DFO-FHM.
- The use of material other than ice or snow to construct a temporary crossing over any
 ice-covered watercourse is prohibited by regulations under Fisheries Act unless
 authorized by a Fishery Officer.
- All winter crossings should be removed prior to spring breakup.
- No material should be left on the ice when there is the potential for that material to enter the water (i.e. spring break-up).

Depositing deleterious substances into fish bearing waters is prohibited as stated under Section 36(3) of the Fisheries Act. The following are additional measures to mitigate habitat disturbance or loss as well as the deposition of deleterious substances.

- Sediment and erosion control measures should be implemented prior to, and maintained during the construction phase, to prevent entry of sediment into the water.
- All activities, including maintenance procedures and vehicular refuelling, should be controlled to prevent the entry of petroleum products, debris, slash, rubble, concrete or other deleterious substances into the water:
- All, wastes, drill cuttings, sewage containments and firel caches should be located a
 minimum of thirty (3D) metres from the normal high water mad, of any water body,
 and be sufficiently befored or otherwise contained to ensure that these substances do
 not enter any water body.
- Drill cuttings should be disposed of in a sump such that they do not enter any water body. The use of biolegradable, salt free drill additives is encouraged over nonbiodegradable types.
- All spills of oil, fuel, or other deleterious material should be reported immediately to the 24-Hour Spill Line at (867) 920-8130.

If the proposed work is carried out as described in the plans provided to DFO-FHM and if the additional mitigation measures specified above are implemented, the proposed work will not be considered as contravening Subsection 35(I) of the Fisheries Act which reads:

"No person shall carry on any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat."

Therefore, an authorization under Subsection 35(2) of the Fisheries Act will not be necessary. If a harmful alteration, disruption or destruction of fish habitat and/or the deposition of deleterious substances into fish bearing waters occurs as a result of a change in the plans for the proposed weeks or failure to implement the additional mitigation measures specified above, prosecution under Subsection 35(1) and/or Subsection 36(3) of the Fisheries Act may be initiated.

Canada

Please note that this letter of advice does not release the proponent of the responsibility for obtaining any other permits that may be required.

This Letter of Advice will apply for the proposed ectivities for the period of the Land Use Permit, if issued.

If you have any questions concerning the mitigation measures or should there be any changes to the proposed work, please contact me (867) 6 9-4744 or Pete Corr at 669-4913 or by fax at (867) 669-4941.

no

Lyndon Kivi
Habitat Biologist
Fish Habitat Management
Department of Fisheries and Oceans- NWT Area

c.c. Gladys Jondrey, Nunavut Impact Review Boyd Julie Dahl - Arctic Habitat Co-ordinator, DF 2-FHM Pele Cott - Area Habitat Biologist, DF0-FH 4

Canadä

T-891 P.37/45 F-334 FAX NO. 8678 38185

P. 02/03

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 35 of the Fisheries Act and the Canadian Environmental Protection Act (CEPA).

Mineral Exploration - Hood River Area Project Title:

Kennecott Canada Exploration Corporation Proponent:

NIRB# 00EN063 **Hood River Area** Location:

Comments Due By: January 25, 2000

Indicate your concerns about the project proposal below:

* water quality

*fish and their habitat

Rlease describe the concerns indicated above

Based on the information provided, EPB believes that the above noted project has the potential to affect fish pursuant to the Fisheries Act. It is a requirement of Section 35 of the Fisheries Act that all effluent discharge into water frequented by fish be non-deleterious

Do you have any suggestions or recommendations for this application?

- The proponent shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter waters frequented by fish. All sumps and fuel caches should be located a minimum of thirty (30) metres from the normal high water mark c and in such a manner that they do not enter any such waterbody. Portable secondary fuel containment s ructures should be used in the fuel storage for added spill protection.
- For on-ice drilling, return water released to the lake must be non-toxic, and not result in an increase in total suspended solids in the immediate receiving waters of the lake above Canadian Council of Ministers for the Environment Guidelines for the Protection of Freshwater Aquatic Life (ie. 10mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).
- Drilling additives or muds shall not be used in connection with holes drilled through the lake ice unless they are recirculated or contained such that they do not enter the water, or demonstrated to be non-loxic.
- If artesian flow is encountered, drill holes shall be plutiged and permanently sealed upon project. termination.
- Drilling wastes from land-based activity shall be disposed of in a sump such that they do not enter any water body.
- 6. With respect to access road construction, pad construction or other earthworks, the deposition of slash, debris or sediment into any water body is promitted. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
- 7. The permittee shall not erect camps or store material on the surface ice of streams or lakes.
- 8. EPB shall be advised of any material changes to operating plans or conditions associated with this land use activity.

Name of person commenting: Wade Romanko of Environmental Protection

JAN-31-UU MUN U5: UB HM ENV CANADA T-891 P.38/45 F-334 P. U3/03 FAX NU. 86/8/38185 .. NWT Division Position: Aquatic Environmental Officer
Organisation: Environmental Canada
Suite 301, 5204-50⁴¹ Ave., Yellowknife NWT ___ Date: JA-0 31/00 Signature:

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:

Proponent: _K Location: _Kit	Mineral Exploration dennecott Canada Exploiting ikmeot Region, NI e By:January 25	RB#:00EN063	
	concerns about the pro		
□ no concerns	\$	☐ traditional uses of and	
□ water quality		☐ Inuit harves ing activities	
□terrain		community involvement and consultation	
☐ air quality		□ local development in the area	
wildlife and the	The state of the s	□ tourism in the area	
☐ marine mammals and their habitat		☐ human health issues	
birds and their h	abitat		
Other:	shitot		
heritage resource			
Please describ	oe the concerns indicat	red above:	
Please see att			
1 1 10000 300 31	1		
Do you have a	ny suggestions or reco	ommen ations for this application?	
Any additiona			
Name of perso	on commenting: Sus	tainable Development incorporates a team	
approach whe	n commenting on NIRE	screenings and Reviews. No one person	
	the Department.		
Position:		Organisation: Sustainable Development	
Signature:	Chris Nichols	Date: January 5, 2000	

DEPARTMENT OF SUSTAINABLE DEVELOPMENT RECOMMENDATIONS FOR LANE USE APPLICATION 00EN064

Environmental Protection

Spill Contingency Plan

The proponent is referred to DSD's Spill Contingency Planning and Reporting Regulations and A Guide to the Spill Contingency Planning and Reporting Regulations.

Fuel Storage

To prevent spreading in the event of a spill, fuel stor d in drums should be located, whenever practical, in a natural depression a minimum distance of 90 feet from all streams, preferably in an area of low permeability. A I fuel storage containers should be situated in a manner that allows easy access and removal of containers in the event of leaks or spills. Large fuel caches in excess of 20 drums, should be inspected daily.

Chemical Storage

All chemicals should be stored in a safe and chemically-compatible manner a minimum of 90 feet from all bodies of water. The applicant should be required to remove unused chemicals for reuse or disposal to an approved site using methods approved by the Land Use Inspector. Material safety data sheets (MSDS) should be provided for each chemical and be posted in a central location; accessible by all camp personnel. Camp personnel should be conversant in the handling of these chemicals as well as able to deal with any accidents or spills.

Location of Hazardous Materials

Hazardous materials stored on-site should be marked so they will be visible under all conditions, in all seasons. This recommendation is intended to help pre-ent possible injuries to camp personnel and/or damage to the containers. Unless of erwise specified by the land use inspector or licence -issuing agency, all hazardous materials should be removed from the site upon completion of the activity. The proponent is referred to DSD's Environmental Guideline for the General Management of Hazardous Waste.

Waste Oil/Waste Fuel Disposal

Waste oil and waste fuel should be removed and returned for recycling vinen the land use activity is completed. Alternative methods of disposal that provide and equivalent level of environmental protection will be considered on a case by case basis.

Used Drums

Used fuel and oil drums should be removed from the site returned for deposit, or reused.

Contaminated Soils

Soil contaminated by fuel (e.g., soils under an old storage tank) should be treated on site or removed to an approved disposal site and replaced with new soil. The proponent is referred to DSD's Environmental Guideline for Site Remediation.

Winter Roads

Existing winter road routes and trails should be used whe never possible, to avoid unnecessary land clearing and disturbance.

Drill Sumps

The sumps should only be used for inert drilling fluids, not any other materials or substances. The sumps should be properly closed out.

Garbage Disposal

Garbage should be removed from the camp periodically; alternatively, all combustible wastes can be incinerated on site and non-combustibles collected and removed upon termination of the activity or periodically.

Incineration

For camps of less than 10 people, it is recommended that a draught barrel be employed to burn wastes. A draught barrel is essentially a 45 gallon drum or equivalent, with a hole in the bottom to facilitate air in ake, and is closed at the top with a lid and a chimney for the exhaust. EPS does not consider burning wastes in a draught barrel to be true incineration, however, for/sn all camps, this is an acceptable means to deal with camp wastes. The draught barrel should be operated so that a high temperature burn is maintained at all times. This will promote complete combustion and eliminate pollutant and odor concerns.

For camps of more than 10 people, it is recommended that a forced air incinerator be used to manage wastes. Once again maintaining a high temperature burn to reduce wastes is imperative.

Kitchen wastes, cardboard, paper products, packagin i and untreated wood wastes are suitable for burning in a draught barrel and a forcid air incinerator. Industrial wastes and non combustible wastes should be removed from the camp and disposed of at a designated landfill or other approved facility. Under no circumstance should hazardous wastes be managed through burning or in ineration.

For camps of greater than 50 people, it is recommended that a municipal waste incinerator which produces emissions that meet CCNE air quality guidelines, be used to dispose of camp wastes. The manufacturer will specify operating conditions and types of wastes that can be disposed of in the incinerator in order to meet the specified CCME standards. It is recommended that municipal waste incinerators be operated to meet manufacturer specifications.

The aforementioned comments are a brief thumbnail sketch of what DSD suggests that a proponent should be implementing to mitigate any damage or alterations to the environment during the course of their proposed activities. The proponent is referred to the Government of Nunavut's acts, regulations and environmental guidelines for a details.

Acts, Regulations and Environmental Guidelines

The Environmental Protection Service, Department of Sustainable Development derives its regulatory authority and operational mandate from the Government of Nunavut's *Environmental Protection Act* (EPA). A number of regulations and guidelines have been developed and adopted under the EPA; some, or all of which might prove to be of assistance to a proponent in planning their activities. The guidelines are listed here for the information of the proponent and are available to the public at any DSD office in Nunavut or from DSD's Headquarters office located at:

Department of Sustainable Development
Environmental Protection Service
Government of Nunavut
Box 1340
Iqaluit, NU
X0A 0H0
(867) 979-5119
e-mail: reno@gov.nu.ca or ebaddaloo@gov.nu.ca

Acts and Regulations

{PRIVATE } Environmental Protection Act{tc \ \ \ 5 \ Environmental Protection Act"}

Environmental Protection Act: Simplified Summary

Environmental Rights Act

{PRIVATE } Spill Planning and Reporting Regula ions(to V 5 "Spill ContingencyPlanning and Reporting Regulations")

{FRIVATE }Asohalt Paving Industry Emission Regulations{to V 5 "Asphalt Paving Industry Emission Regulations"}

{PRIVATE } Pesticide Act{tc \ V 5 "Pesticide Act"}

{PRIVATE } Pesticide Regulations (tc V 5 "Pesticide Regulations")

Used Oil and Vaste Fuel Management Regulations (undergoing completion; proposed for June 2000)

{FRIVATE }Ervironmental Guidelines{tc \| 5 "Env ronmental Guidelines"}

{PRIVATE } Dust Suppression{tc \ \ 5 "Dust Suppression"

{PRIVATE }General Management of Hazardous Waste(t): \(\mathbb{V}\) 5 "General Management of Hazardous Waste"}

{PRIVATE }Industrial Projects on Commissioner's Lands to \(\text{V 5 "Industrial Projects on Commissioner's Lands"} \)

{PRIVATE }{tc V 5 ""}

{PRIVATE }Ozone Depleting Substances{tc \ \ \ 5 \ Ozone Depleting Substances\"}

{PRIVATE } Site Remediation (tc \ \ \ 5 \ "Site Remediation")

{PRIVATE }Sulphur Dioxide & Suspended Particulates{ti \ \ \ 5 \ \ \ Sulphur Dioxide & Suspended Particulates\'\}

{PRIVATE } Waste Antifreeze (tc \ \ \ 5 \ "Waste Antifreeze")

{PRIVATE } Waste Asbestos (tc | V 5 "Waste Asbestos")

{PRIVATE } Waste Batteries (tc \ V 5 "Waste Batteries")

{PRIVATE } Waste Paint{tc \ V 5 "Waste Paint"}

Waste Solvents

Wildlife

DSD Contacts

Renewable Resource Officer,
- Andy McMullen, (867-982-7250
Biologist, Kitikmeot Region, Kugluktuk
- Brent Patterson, (867) 982-7244

Caribou Protection Measures

The Bathurst caribou herd moves through this are a in July and in the fall. This is what is known as the calving/post calving grounds. Considerable care will need to be taken not to disturb the herd. (Please see listed wildlife contacts)

The proponent should be directed to the caribou protection measures developed for the Kaminuriak and Beverly herds and now attached to draft land use plans in Nunavut. Recommendation of these conditions is not restricted to the Kaminuriak and Beverly herds (i.e., they may be applied to other herds as well).]

It is recommended that all movements of drills and equip nent (aerial) be completed before or after calving/post calving period (June through inid-July).

Bear-People Conflicts

The operation is in an area where bears may be encountered. Proper food handling and garbage disposal procedures should be followed to reduce the likelihood that bears will be attracted to the operation. Careful planning and attention to details of camp design and maintenance will decrease the attraction of bears to camp.

The applicant should follow procedures outlined in the "Safety in Bear Country Manual", and should contact the Regional/Area Biologist or the Renewable Resource Officer indicated above for information and advice on measures which should be taken to minimize the possibility of bear-people conflicts.

Raptor Nesting Areas

The project area includes known raptor nesting sites and other areas where it is likely that raptors nest. To minimize negative impacts of this operation on raptors, the applicant should be advised to:

- (a) take care not to disturb nesting raptors from 15 April to 1 September by staying at least 1.5 km away from them when in transit by aircraft, and to avoid approaching them closely while on foot, and
- (b) contact the Regional Biologist in Kugluktuk to identify areas which should be avoided.

The following clause could be included in the covering letter: "If raptors are disturbed during the nesting period, they often abandon the eggs or young. Loud, repeated noises and close approach by humans on foot are particularly harmful."

Low Level Flights

Lying time may be considerable with both movement of people from can ps and drill rigs. During the time of migration care should be taken to observe all Transport Canada rules for flight heights.

Aircraft activity with no specific requirements for low level flying should be restricted to a minimum altitude of 300m above ground level.

t should be clearly understood by the proponent that harassment of wild ife is prohibited under the NWT Wildlife Act and this includes low-level flights.

Are exploration personnel allowed to fish/hunt in the areas? This should only be allowed if personnel have the appropriate licenses in compliance with the NWT wildlife ACT. Also, if the camp turns into a long-term operation this policy should be reevaluated. Prolonged hunting or fishing activities in any localized area can have negative impacts upon fish and wildlife populations and this type of activity should be discouraged.

Storage of Chemicals Containing Salts

Chemicals containing salts, which may attract wildlife to the site, should be stored so that they are inaccessible to wildlife.

Environmental Assessment

In order to assist the proponent in further environmental assessment work, it should be made aware that the Nunavut Planning Commission has been working with the communities and Government to develop valued ecosystem components, codes of conduct and other useful information. The proponent should contact NPC to obtain copies of these for their future work.

In addition, in the wildlife and fisheries section, the application states that aerial surveys indicated no calving or post calving presence. Nonetheless, a map detailing the extent and timing of the completed surveys in relation to the George-Goose lake sites would be useful. It should also be recommended to the proponent that as caribou calving grounds are quite fluid and may shift overtime periodic surveys (every 3-4 yrs) should be conducted to detect potential movements towards the project site.

Socio-economic

Community Involvement and consultation

Hiring of local Inuit by the p oponent and associated contractors should be encouraged. Information on qualifications of available personnel and job postings can be addressed through hamlet employment officers and Kitikmeot and Employment and Training Partners manager:

Larry Adjun	Kugluktuk	,867-982-4471
Joanne Apsimik	Cambridge Bay	867-983-2337
Sean Peterson	KETP	867-983-2686

Involvement of students for environmental monitoring and studies is encouraged. An Environmental Technology program began at the Nunavut Arctic College in September of 1999. Kinross is encouraged to contact Ms. Vicki Babinski at 867-983-7237.

Other

When a proponent will be using an existing camp such as in this application, it would be useful to have the applicant state the name and location of the camp and its associated permit number. In this case reviewers were able to surnise that either or both the Taki and Big Nose camps NW of Ulu would be used. Knowledge of this allows some insight into fly routes.