



April 15, 2003

To: Phyllis Beaulieu
A/Licensing Administrator
Nunavut Water Board
Gjoa Haven, NU

Re: Mineral Exploration, 4579 Nunavut Limited – Land use Application
NIRB: 03EN036 NWB: NWB2CHU

Enclosed is the completed NIRB Screening Decision Report on the above-mentioned project.

NIRB has screened this application for eco-systemic and socio-economic impacts of the proposal.

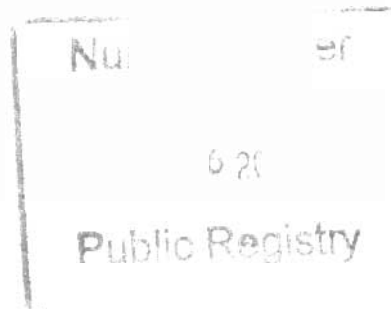
NIRB's indication to the Minister is: 12.4.4 (a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;

Please contact me at (867) 983-2593 if you have any questions about the Screening Decision Report.

Yours truly,

Gladys Joudrey
Environmental Assessment Officer
Nunavut Impact Review Board

INTERNAL	
PC	J.P.
LA	
OM	
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CEO	
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SCREENING DECISION

May 15, 2003

Mr. Thomas Kudloo
Chairperson, Nunavut Water Board
Gjoa Haven, NT

Dear Mr. Kudloo:

**RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:
NIRB: #03EN036 NWB: #NWB2CHU DIAND: #N20030009
Mineral Exploration Rankin Inlet Area – 4579 Nunavut Limited.**

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:

- 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;
- the proposal requires review under Part 5 or 6; NIRB shall identify particular issues or concerns which should be considered in such a review;
- the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or
- 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 reflect the primary objectives of the Land Claims Agreement. Our considerations in making this decision included:

- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the impact of noise from helicopter and exploration activities and their disturbance to wildlife and traditional users of area;
- the impact of campsite and equipment on terrain;
- the impact of exploration activities on archaeological sites or cultural landmarks in the area; and
- clean up/restoration of the camp site upon abandonment.

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-one (31) 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 recirculated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody.
4. The Permittee shall ensure that drilling wastes do not enter any water body. The use of biodegradable, salt free drill additives is encouraged over non-biodegradable types.
5. The Permittee shall ensure that the release of total suspended solids in the receiving environment shall be in compliance with *Guidelines for Total Suspended Solids* contained in the *Canadian Council of Ministers for the Environment's (CCME) Canadian Water Quality Guidelines, Chapter 3 - Freshwater Aquatic Life* (i.e. 10mg/L for lakes with background level under 100mg/L, or 10% for those above 100mg/L).
6. 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-one (31) 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 outflow of water. The occurrence shall be reported to the Nunavut Water Board and Land Use Inspector within 48 hours.

Fuel Storage

10. 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.
11. 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.
12. The Permittee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
13. The Permittee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be prepared immediately.
14. The Permittee shall seal all container outlets except the outlet currently in use.
15. The Permittee shall mark all fuel containers with the Permittee's name.
16. The Permittee shall have an approved emergency response and spill contingency plans in place prior to the commencement of the operation.
17. 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.

Water

18. The Permittee shall ensure that all water intake hoses are equipped with a screen with an appropriate mesh size to ensure that there is no entrapment of fish.

Waste Disposal

19. 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.
20. The Lessee shall not bury any metal wastes.
21. The Permittee shall keep all garbage and debris in a covered metal container until disposed of.
22. The Permittee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.

Wildlife

23. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
24. The Permittee shall not feed wildlife.

25. The Permittee shall not hunt or fish, unless the appropriate permits and licenses are acquired from a GN Renewable Resources Officer.
26. The Permittee shall make every effort to prevent the unintentional harassment of caribou, musk ox and nesting or molting waterfowl at all times. It is an offense under the Wildlife Act to harass wildlife.
27. The Permittee shall ensure that aircraft pilots adhere to recommended flight altitudes of greater than 300 m above ground level as to not disturb wildlife.
28. The Permittee shall ensure that the drill sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.
29. 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.
30. 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.

Environmental

31. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
32. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
33. 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.

Archaeological Sites

34. The Permittee shall follow all terms and conditions for the protection and restoration of archaeological resources as outlined by the Department of Culture, Language, Elders and Youths (CLEY) in attached letter.

Reclamation

35. The Permittee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
36. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.

Other Recommendations

1. NIRB recommends that if exploration should occur within the hamlet boundaries, proponent must apply for Commissioner's land use permit.
2. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
3. NIRB strongly advises proponents to consult with local residents regarding their activities in the region.

4. Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new 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 April 11/03 at Arviat, NU


Elizabeth Copland, A/Chairperson

APR-25-03 08:25 From:ENV CAN IQALUIT NUNAVUT

8969754845

T-598 P.02/03 Job-862



Environment
Canada

Environnement
Canada

Environmental Protection Branch
Qimugluk Building 969 P.O. Box 1870
Iqaluit, NU X0A 0H0
Tel: (867) 975-4639
Fax: (867) 975-4645

April 25, 2003

Gladys Joudrey
Environmental Assessment Officer
Nunavut Impact Review Board
P.O. Box 2379
Cambridge Bay, NU X0B 0C0
Tel: (867) 983-2583
Fax: (867) 983-2594

Our file: 4704 000

Via Facsimile

RE: NIRB 03EN057 – Shear Minerals Limited – Churchill Project

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned application. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

4579 Nunavut Ltd and its partner, Shear Minerals Ltd. has submitted a water license in preparation for the proposed mineral exploration in the Rankin Inlet area. Work will involve ground geophysical surveys, diamond drilling, prospecting, rock and soil sampling and geological mapping. The proponent is proposing to be in the field from March 15 – October 2003. A similar season is planned for 2004. Environment Canada has already reviewed land use application for this project (NIRB 03EN036), and requests that the recommendations submitted with that referral also be applied to this project.

The proponent has indicated that the start date for the project was to be March 15, 2003. Environment Canada would like to remind the proponent that all approvals must be in place prior to the commencement of any work.

Environment Canada requires the following information in order to facilitate the review of this project:

- A site specific spill plan outlining a clear path of response to be followed in the event of a spill, including a map outlining the location of the fuel caches at the site in relation to water.
- As mentioned in our previous review letter to the NIRB on file 03EN036, Environment Canada requires the following information:
 - Environment Canada requests that a copy of the drill locations and additional fuel caches, including a map detailing their location in relation to water, be submitted once available.
 - Information regarding the disposal of sewage and greywater for the temporary field camps should be submitted.
 - Once available, Environment Canada requests that the location of the additional fuel caches be provided, including a detailed map indicating their location in relation to water.

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Environnement Canada



Environment Canada requests that in addition to the recommendations presented in the NIRE 03END36 review letter, the following conditions be applied throughout all phases of the project:

- In their Spill Contingency Plan, the proponent has indicated that either the NWT Spill Line and/or the DIAND Spill Line may be contacted in the event of a spill. However, all spills must be documented and reported to the NWT Spill Response Line at (867) 920-8130.
- The proponent has indicated in their Environmental Procedure Plan for Exploration and Remote Camps that "If encountered, artesian water flow will be controlled to prevent erosion of the ground surface and the silting of watercourses". Environment Canada recommends that if an artesian flow is encountered, the drill hole shall be immediately plugged and permanently sealed.

If there are any other changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at colette.meloche@ec.gc.ca.

Yours truly,



Colette Meloche
Environmental Assessment Specialist

cc: (Mike Fournier, Northern Environmental Assessment Coordinator, Environment Canada, Yellowknife)



Indian and Northern
Affairs Canada
www.inac.gc.ca

Affaires indiennes
et du Nord Canada
www.aic.gc.ca

Water Resources Division
Qimugjuk Building
P.O. Box 2200
Iqaluit, Nunavut
X0A 0H0

April 25, 2003

Your file - Votre référence
NWB2CHU

Our file - Notre référence

Ms. Phyllis Beaulieu
Licensing Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut
X0B 1J0

Re: Churchill Project - NWB2CHU

On behalf of Indian and Northern Affairs Canada (INAC), I have reviewed the renewal application submitted for the Churchill Project. Based on the mitigative measures outlined in the application and supporting documentation submitted by Shear Minerals Limited, INAC does not have any significant water related concerns.

The following list outlines recommended conditions that should be incorporated into the water licence to prevent any potential impacts on water.

- All waste disposal areas, sewage treatment facilities, grey water sumps, and fuel caches should be located a minimum of 30 metres from the normal high water mark of any water body, and be sufficiently bermed or otherwise contained to ensure that deleterious substances do not enter any water bodies.
- All sumps should be backfilled and properly restored prior to leaving the site.
- All noncombustible garbage should be stored/disposed of in an approved disposal site. For a small camp, the most appropriate method is likely the removal of non-combustible waste from the site.
- Hazardous waste, such as petroleum or batteries, should be segregated from the domestic waste and stored/disposed of in an appropriate manner. As with noncombustible waste, the most appropriate method for a small camp is likely the removal of hazardous waste from the site.

Canada

- The camp should have an appropriate spill contingency plan as well as an abandonment and restoration plan for the dismantling of the camp. These plans should include provisions for the water treatment and waste disposal facilities.
- All spills of oil, fuel, or other deleterious substances should be immediately reported to the 24-Hour Spill Line at (867) 920-8130. The spill should also be reported to INAC's Water Resource Officer at (867) 975-4298, and a report should be provided with the follow-up measure taken to remediate the spill.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4548 or by e-mail at mcchristiem@inac.gc.ca.

Sincerely,
Original signed by:

Michelle McChristie
Kitikmeot/Kivalliq Regional Coordinator

c.c.: C. Bodykevich, Water Resources Officer
G. Joudrey, Nunavut Impact Review Board

MAY-01-2003 THU 02:01 PM CGTRANKIN

FAX NO. 807 645 8143

P. 02

14-Apr-2003 08:26am From-Nunavut Impact Review Board

T-878 P.002/003 F-446

COMMENT FORM FOR NIRE 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 the project proposals, NIREB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: <u>Churchill Project</u>	
Proponent: <u>Shear Minerals Limited</u>	
Location: <u>Rankin Inlet Area, Nunavut</u>	
Comments Due By: <u>Wednesday, April 30, 2003</u>	NIREB #: <u>03EN057</u>

Indicate your concerns about the project proposal below:

<input type="checkbox"/> no concerns	<input type="checkbox"/> traditional uses of land
<input type="checkbox"/> water quality	<input type="checkbox"/> timber 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	Other: <u>Not sure of the exact boundaries of the project.</u>
<input type="checkbox"/> fish and their habitat	
<input type="checkbox"/> heritage resources in area	

Please describe the concerns indicated above:

G20 N 920 W is located outside of the Municipal Boundary and therefore outside of our jurisdiction. However, I was unable to redraw the location maps, therefore.

Do you have any suggestions or recommendations for this application?

I'm not 100% sure the boundaries of the project are.

Do you support the project proposal? Yes ☒ No ☐ Any additional comments?

With the condition that the project is not within the Municipal Boundaries of Rankin Inlet or Cambridge Bay. If there are a Commissioner's Land Use Permit will be required.

Name of person commenting: Robert Chapple of Rankin Inlet

Position: Cooperative Manager Organization: CGT

Signature: [Signature] Date: April 30/03

Fisheries
and OceansPêches
et OcéansFish Habitat Management
P.O. Box 358
Igloolik, Nunavut
X0A 0H0

NW B2CHU

Your file / Votre dossier

NIRB 03EN036

Your file / Votre dossier

NU03329

March 14, 2003

Pamela Strand
4579 Nunavut Ltd.
Suite 220, 9797-45th Avenue
Edmonton, AB T6E 5V8
Fax (780) 989-0322

NIRB 03EN036

Public Registry

RE: Exploratory Diamond Drilling in the Rankin Inlet Area, Nunavut.

Dear Ms. Strand:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management (DFO-FHM) received the project proposal information, submitted by the Nunavut Impact Review Board, for exploratory diamond drilling in the Rankin Inlet area, Nunavut. The proposed drilling program is March 1, 2003 to Mar 1, 2005. It is understood that operations include a geophysical survey and both land-based and ice-based diamond drilling. DFO-FHM's assessment takes into consideration primarily fish and fish habitat related concerns. I have reviewed the plans for the proposed work.

Operations in or near water may result in the harmful alteration, disruption or destruction of fish habitat, which is prohibited under Section 35 of the *Fisheries Act*. The following mitigation measures, along with mitigation measures indicated in the project proposal, are intended to prevent any potentially harmful impacts to fish and fish habitat.

- If artesian flow is encountered, drill holes should be plugged and permanently sealed upon completion of the project.
- All disturbed areas should be stabilized and re-vegetated as required, upon completion of work, and restored to a pre-disturbed state.
- No material should be left on the ice when there is potential for that material to enter the water (i.e. spring break-up).
- If the drilling requires water in sufficient volume that the source water body may be drawn down please submit details (volume required, size of water body, fish species etc.) to DFO-FHM for review. DFO-FHM strongly discourages the use of streams as a water source.

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Canada

030314CHU DFO Comments-ILAE

Extraction of water via intake from any water body is prohibited under Section 30 of the *Fisheries Act* unless the entrance of the intake is properly screened to prevent the entrainment of fish. Refer to the *Freshwater Intake End-of-Pipe Fish Screen Guideline* (DFO 1995), available upon request. No harm will come to fish during water removal as long as the following mitigation measures are pursued.

- Ensure that the holes in the screen are small enough that no fish of any size can pass through the screen and into the intake.
- Make certain that the fish guard or screen is properly maintained in a good and efficient state of repair, and do not permit its removal except for renewal or repair.
- During the time in which a renewal or repair is being conducted, the entrance of the water intake must be closed in order to prevent the passage of fish into the intake.

Depositing deleterious substances into fish bearing waters is prohibited as stated under Subsection 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 work to prevent sediment entry into the water during a spring thaw.
- Drill cuttings should be disposed of in a sump such that they do not enter any water body. The use of biodegradable, salt free drill additives is encouraged over non-biodegradable types.

If the proposed work is carried out as described in the plans provided to DEO-LTIM and if the additional mitigation measures specified above are implemented, the proposed work will not be considered as contravening Subsection 35(1) 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 works 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.

Please note that this letter of advice will apply for the period of the current lease. If you have any questions concerning the mitigation measures or should there be any changes to the proposed work, please contact me at (867) 979-8011 or by fax at (867) 979-8039.



Jeff Wilson
Habitat Management Coordinator
Department of Fisheries and Oceans - Eastern Arctic Area

c.c. Gladys Joudrey, NIRB, fax (867) 983-2574
Phyllis Beaulieu, fax (867) 360-6369



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Department of
Culture, Language, Elders & Youth

Pithohilikioni

Ministère du gouvernement
Culture Langues, Aînés et Jeunesse

April 22, 2003

Gladys Joudrey
Environmental Assessment Officer
Nunavut Impact Review Board
Box 2379
Cambridge Bay, NU X0E 0C0

Re: Land Use Application NIRB 03EN057 Churchill Project
(Shear Minerals Limited)



Due Date: April 30, 2003

Dear Ms. Joudrey:

At your request, the Department of Culture and Heritage, Government of Nunavut, has reviewed the above-noted application. Our recommendations follow.

We recommend approval of the above-cited application, on the condition that the proponent's activities avoid the known archaeological sites listed in Attachment #1. The information contained in Attachment #1 is provided solely for the purpose of the proponent's land use activities as described in the land use application, and must otherwise be treated confidentially by the proponent.

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.

Sincerely,


Douglas Sterten
Director, Heritage
Department of Culture, Language, Elders and Youth

Encl.

Attachment 1

CONFIDENTIAL

Borden No.
Latitude
Longitude
Map No.
Class.

KfJl-1
62 57 22 N
091 59 16 W
55J/13
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-21
62 55 21 N
092 14 20 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-22
62 55 16 N
092 13 55 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-26
62 55 09 N
092 12 39 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-52
62 56 28 N
092 08 10 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-57
62 56 07 N
092 07 30 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-59
62 57 16 N
092 08 55 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-63
62 56 46 N
092 05 45 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-66
62 57 49 N
092 02 47 W
55K/16
undetermined

Borden No.
Latitude

KfJm-67
62 57 48 N

Longitude
Map No.
Class.

092 02 36 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-71
62 58 06 N
092 05 37 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-80
62 57 40 N
092 00 03 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-84
62 57 51 N
092 00 56 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-87
62 58 07 N
092 01 55 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-88
62 58 11 N
092 01 53 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-93
62 57 55 N
092 01 05 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJl-2
62 58 03 N
091 59 54 W
55J/13
undetermined

Borden No.
Latitude
Longitude
Map No.
Class.

KfJm-99
62 57 42 N
092 00 45 W
55K/16
undetermined

Borden No.
Latitude
Longitude
Map No.

KfJm-101
62 58 06 N
092 01 47 W
55K/16

Attachment 1

CONFIDENTIAL

Class.	undetermined
Borden No.	KfJm-102
Latitude	62 58 00 N
Longitude	092 01 46 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-104
Latitude	62 57 57 N
Longitude	092 01 35 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-107
Latitude	62 56 48 N
Longitude	092 04 45 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-109
Latitude	62 56 39 N
Longitude	092 04 29 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-110
Latitude	62 56 32 N
Longitude	092 04 50 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-112
Latitude	62 56 20 N
Longitude	092 04 12 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-114
Latitude	62 56 05 N
Longitude	092 03 28 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-116
Latitude	62 56 31 N
Longitude	092 05 15 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-118
Latitude	62 56 38 N
Longitude	092 05 31 W
Map No.	55K/16
Class.	undetermined

Borden No.	KfJm-120
Latitude	62 56 37 N
Longitude	092 06 37 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-122
Latitude	62 56 39 N
Longitude	092 06 47 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-128
Latitude	62 57 05 N
Longitude	092 05 46 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-131
Latitude	62 57 15 N
Longitude	092 06 32 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-133
Latitude	62 57 18 N
Longitude	092 06 36 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-139
Latitude	62 58 31 N
Longitude	092 09 20 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-140
Latitude	62 58 38 N
Longitude	092 08 55 W
Map No.	55K/16
Class.	undetermined
Borden No.	KfJm-141
Latitude	62 58 32 N
Longitude	092 08 44 W
Map No.	55K/16
Class.	undetermined
Borden No.	KgJm-1
Latitude	63 03 04 N
Longitude	092 14 38 W
Map No.	55N/1
Class.	undetermined
Borden No.	KgJm-2
Latitude	63 00 00 N

Attachment 1

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Longitude	092 00 00 W	Class.	prehistoric
Map No.	55N/1	Borden No.	KgJm-12
Class.	undetermined	Latitude	63 02 24 N
Borden No.	KgJm-3	Longitude	092 13 08 W
Latitude	63 02 56 N	Map No.	55N/1
Longitude	092 14 27 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-13
Class.	prehistoric	Latitude	63 02 22 N
Borden No.	KgJm-4	Longitude	092 13 02 W
Latitude	63 02 40 N	Map No.	55N/1
Longitude	092 13 56 W	Class.	prehistoric
Map No.	55N/1	Borden No.	KgJm-14
Class.	prehistoric	Latitude	63 02 23 N
Borden No.	KgJm-5	Longitude	092 13 02 W
Latitude	63 00 00 N	Map No.	55N/1
Longitude	092 00 00 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-15
Class.	undetermined	Latitude	63 02 15 N
Borden No.	KgJm-6	Longitude	092 13 09 W
Latitude	63 02 30 N	Map No.	55N/1
Longitude	092 13 29 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-16
Class.	prehistoric	Latitude	63 02 16 N
Borden No.	KgJm-7	Longitude	092 12 31 W
Latitude	63 02 20 N	Map No.	55N/1
Longitude	092 12 51 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-17
Class.	prehistoric	Latitude	63 02 06 N
Borden No.	KgJm-8	Longitude	092 12 17 W
Latitude	63 02 05 N	Map No.	55N/1
Longitude	092 11 34 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-18
Class.	prehistoric	Latitude	63 02 10 N
Borden No.	KgJm-9	Longitude	092 12 17 W
Latitude	63 02 10 N	Map No.	55N/1
Longitude	092 11 13 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-19
Class.	prehistoric	Latitude	63 02 13 N
Borden No.	KgJm-10	Longitude	092 12 23 W
Latitude	63 02 19 N	Map No.	55N/1
Longitude	092 13 07 W	Class.	undetermined
Map No.	55N/1	Borden No.	KgJm-20
Class.	prehistoric	Latitude	63 02 09 N
Borden No.	KgJm-11	Longitude	092 12 10 W
Latitude	63 02 24 N	Map No.	55N/1
Longitude	092 13 12 W	Class.	undetermined
Map No.	55N/1		

Attachment 1

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Borden No.	KgJm-21	Longitude	092 11 39 W
Latitude	63 02 07 N	Map No.	55N/1
Longitude	092 12 10 W	Class.	undetermined
Map No.	55N/1		
Class.	undetermined		
Borden No.	KgJm-22	Borden No.	KgJm-31
Latitude	63 02 04 N	Latitude	63 02 07 N
Longitude	092 12 09 W	Longitude	092 11 45 W
Map No.	55N/1	Map No.	55N/1
Class.	prehistoric	Class.	undetermined
Borden No.	KgJm-23	Borden No.	KgJm-32
Latitude	63 02 05 N	Latitude	63 02 06 N
Longitude	092 12 06 W	Longitude	092 11 29 W
Map No.	55N/1	Map No.	55N/1
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-24	Borden No.	KgJm-33
Latitude	63 02 09 N	Latitude	63 02 05 N
Longitude	092 12 06 W	Longitude	092 11 11 W
Map No.	55N/1	Map No.	55N/1
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-25	Borden No.	KgJm-34
Latitude	63 02 08 N	Latitude	63 02 07 N
Longitude	092 12 02 W	Longitude	092 11 19 W
Map No.	55N/1	Map No.	55N/1
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-26	Borden No.	KgJm-35
Latitude	63 02 06 N	Latitude	63 02 09 N
Longitude	092 12 00 W	Longitude	092 11 50 W
Map No.	55N/1	Map No.	55N/1
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-27	Borden No.	KfJm-153
Latitude	63 02 08 N	Latitude	62 55 08 N
Longitude	092 11 56 W	Longitude	092 13 46 W
Map No.	55N/1	Map No.	55K/15
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-28	Borden No.	KfJm-154
Latitude	63 02 04 N	Latitude	62 55 09 N
Longitude	092 11 50 W	Longitude	092 13 46 W
Map No.	55N/1	Map No.	55K/15
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-29	Borden No.	KfJm-155
Latitude	63 02 06 N	Latitude	62 55 11 N
Longitude	092 11 38 W	Longitude	092 13 49 W
Map No.	55N/1	Map No.	55K/15
Class.	undetermined	Class.	undetermined
Borden No.	KgJm-30	Borden No.	KfJm-156
Latitude	63 02 09 N	Latitude	62 55 12 N
		Longitude	092 13 51 W
		Map No.	55K/15

Attachment 1

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Class.	undetermined
Borden No.	KfJm-157
Latitude	62 55 15 N
Longitude	092 13 50 W
Map No.	55K/15
Class.	undetermined
Borden No.	KfJm-158
Latitude	62 55 19 N
Longitude	092 14 00 W
Map No.	55K/15
Class.	undetermined
Borden No.	KfJm-159
Latitude	62 55 20 N
Longitude	092 14 07 W
Map No.	55K/15
Class.	indigenous historic
Borden No.	KfJm-160
Latitude	62 55 19 N
Longitude	092 14 21 W
Map No.	55K/15
Class.	undetermined
Borden No.	KfJm-161
Latitude	62 55 27 N
Longitude	092 14 37 W
Map No.	55K/15
Class.	undetermined
Borden No.	KfJm-162
Latitude	62 55 32 N
Longitude	092 14 47 W
Map No.	55K/15
Class.	undetermined
Borden No.	KfJm-163
Latitude	62 55 35 N
Longitude	092 14 54 W
Map No.	55K/15
Class.	undetermined
Borden No.	KgJm-36
Latitude	63 01 59 N
Longitude	092 09 35 W
Map No.	55N/1
Class.	indigenous
	historic;contemporary
Borden No.	KgJm-37
Latitude	63 01 30 N
Longitude	092 09 40 W
Map No.	55N/1
Class.	indigenous historic

Borden No.	KgJm-38
Latitude	63 01 16 N
Longitude	092 09 25 W
Map No.	55N/1
Class.	indigenous historic
Borden No.	KgJm-39
Latitude	63 01 19 N
Longitude	092 09 41 W
Map No.	55N/1
Class.	indigenous historic
Borden No.	KgJm-40
Latitude	63 01 59 N
Longitude	092 11 26 W
Map No.	55N/1
Class.	prehistoric ?;indigenous
	historic ?
Borden No.	KgJm-41
Latitude	63 02 25 N
Longitude	092 12 50 W
Map No.	55N/1
Class.	prehistoric ?;indigenous
	historic
Borden No.	KgJm-42
Latitude	63 02 22 N
Longitude	092 13 05 W
Map No.	55N/1
Class.	indigenous historic
Borden No.	KgJm-43
Latitude	63 02 29 N
Longitude	092 13 36 W
Map No.	55N/1
Class.	prehistoric ?
Borden No.	KgJm-44
Latitude	63 02 23 N
Longitude	092 13 29 W
Map No.	55N/1
Class.	indigenous historic ?
Borden No.	KgJm-45
Latitude	63 01 21 N
Longitude	092 12 53 W
Map No.	55N/1
Class.	indigenous historic
Borden No.	KgJm-46
Latitude	63 01 22 N
Longitude	092 13 11 W
Map No.	55N/1
Class.	indigenous historic

Gladys Joudrey

From: "Michelle McChristie" <mcchristiem@inac-ainc.gc.ca>
To: <gladys@polarnet.ca>
Sent: March 17, 2003 12:26 PM
Subject: 03EN036

Hi Gladys,

On behalf of Indian and Northern Affairs Canada (INAC), I have reviewed the permit applications submitted by 4579 Nunavut Ltd. to conduct mineral exploration in the Rankin Inlet Area. INAC Water Resources does not have concerns and are in support of this proposal.

Please contact me if you have any questions or concerns, thank you.

Michelle

Michelle McChristie, M.Sc.
Kitikmeot and Kivalliq Regional Coordinator
Department of Indian Affairs and Northern Development
P.O. Box 2200
Iqaluit, NU X0A 0H0
Tel: 867-975-4548 Fax: 867-975-4560

MAR-31-03 12:08 From:ENV CAN IQALUIT NUNAVUT

8969754645

T-649 P.01/01 Job-207

Post-it Fax Note 7

Date 03/31 Page 1

To: <u>Gladys Joudrey</u>	From: <u>C. Lette Melache</u>
Co/Dept: <u>NIRB</u>	Co: <u>Env. Canada</u>
Phone # <u>867 983 2543</u>	Phone # <u>867 975 4637</u>
Fax # <u>867 983 2574</u>	Fax # <u>867 975 4645</u>

COMMENT FORM F

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 the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: <u>Banding, collaring, ground surveys and photoinventory of geese</u>	
Proponent: <u>Jim Leafloor</u>	
Location: <u>McConnell River MBS, Nunavut</u>	
Comments Due By: <u>Thursday, March 27, 2003</u>	NIRB #: <u>03YN038</u>

Indicate your concerns about the project proposal below:

<input type="checkbox"/> no concerns	<input type="checkbox"/> traditional uses of land
<input type="checkbox"/> water quality	<input type="checkbox"/> food 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:

Env. Canada has no major concerns with this project, based on the information provided with the application.

Do you have any suggestions or recommendations for this application?

- Env. Canada recommends, that when storing barreled fuel on location, secondary containment such as self-supporting inter-burns be used.

- All sumps shall be located above the highwater mark of any water body and in such a manner as to prevent the contents from entering any water body. All sumps shall be backfilled and recontoured at the end of the field season.

Do you support the project proposal? Yes ☒ No ☐ Any additional comments?

Name of person commenting: C. Lette Melache **of** Environment Canada

Position: Env. Assessment Specialist **Organization:** Environment Canada

Signature: C. Lette **Date:** March 31/03

I apologize for the delay in getting these comments to you and hope they can still be of some value.

CL

MAR-16-2003 TUE 10:58 AM CGTRANKIN

FAX NO. 867 845 8143

P. 02

12-Mar-2003 09:30pm From-Nunavut Impact Review Board

8678822574

T-128 P.002/003 F-459

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 the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: <u>Mineral Exploration in the Rankin Inlet Area</u>	
Proponent: <u>4579 Nunavut Ltd.</u>	
Location: <u>Rankin Inlet Area, Nunavut</u>	
Comments Due By: <u>Thursday, March 27, 2003</u>	NIRB #: <u>03EN036</u>

Indicate your concerns about the project proposal below:

<input type="checkbox"/> no concerns	<input type="checkbox"/> traditional uses of land
<input type="checkbox"/> water quality	<input type="checkbox"/> land 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 checked="" type="checkbox"/> other: <u>Commissioner's Land Use Permit</u>
<input type="checkbox"/> fish and their habitat	
<input type="checkbox"/> heritage resources in area	

Please describe the concerns indicated above:

From the coordinates provided, it appears that the project will be within Municipal Boundaries. IF the project is within the Municipal Boundary and not on IOL...

Do you have any suggestions or recommendations for this application?

... then a Commissioner's Land Use Permit is required. A Land Use Permit is required to operate drilling equipment on Commissioner's Land.

Do you support the project proposal? Yes ☒ No ☐ Any additional comments?

IF a Land Use Permit is obtained.

Name of person commenting: <u>Robert Chapple</u>	of <u>Rankin Inlet</u>
Position: <u>Community Planner</u>	Organization: <u>CGI</u>
Signature: <u>Robert Chapple</u>	Date: <u>March 15/03</u>