

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:

- impact to water quality, aquatic habitat and wildlife and fish populations
- disposal of garbage;
- impact and disturbance to wildlife; and,
- impact and disturbance to archaeological sites.

Terms and Conditions:

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

Waste:

1. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
2. The Permittee shall ensure that all wastes and debris generated during the operation are removed and disposed of in an approved community dump site.
3. The Permittee shall ensure that no substances, including any chemicals, fuels or wastes associated with the project are deposited into the marine environment or any other water body.

Environmental:

4. The Permittee shall ensure that all fuel storage, waste disposal areas and sumps are located thirty metres(30m.) from the normal high water mark of any water body at all times during operation.
5. The Permittee shall not erect camps or store material on the surface ice of lakes or streams.
6. The Permittee shall remove all equipment, including garbage and fuel, upon abandonment.
7. The Permittee shall take only the amount of research specimens, specified in their permit application.

Wildlife:

8. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
9. The Permittee shall ensure that there is minimal disturbance to any nesting birds and wildlife in the area.
10. 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. Raptor nesting sites and concentrations of nesting or molting waterfowl should be avoided by aircraft at all times.
11. The Permittee shall not obstruct the movement of fish while conducting the land use operation.

Jun-07-99 11:10A NIRBELIZ 896-9034

07-06-99 09:09

From-NUNAVUT IMPACT REVIEW BOARD

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12. The Permittee shall not hunt or fish, unless the appropriate permits and licenses are acquired from GNWT Renewable Resources Officer.
13. 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.
14. 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

Archaeological Sites:

15. 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 the attached letter.

Other Recommendations:

1. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
2. NIRB advises all researchers to consult with local residents regarding their activities in the region.
3. That the results of the research be presented to the community of Chesterfield Inlet in the community's preferred language in none technical terms. A copy also forwarded to the Nunavut Impact Review Board at the address above in hard copy or by email at nirb@polarnet.ca in digital format.

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 June 07/99 at Whale Cove, NT


Elizabeth Copland, Vice-Chairperson

Attachment: NIRB Screening Form
c.c. Nunavut Research Institute
Department of Fisheries and Oceans
Nunavut Water Board
Kivalliq Inuit Association

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: Pam Cottin - MacAulay
(office where project file is located, contact person, number)

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

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

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

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

Present Authorizations (active): KIA #KE9180910 NWB#NWB2MEL
(file number)

Previous Authorizations (inactive/expired): _____
(file number)

3. Project Location

Kivalliq ☒ Kitikmeot _____ Baffin _____

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

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

Local/Traditional Name: _____

National Topographic Sheet (NTS) Number: 55N/55K Scale: 1:300 000

Latitude/Longitude: See map.
(degrees, minutes seconds)

Drainage Region and Watershed: Meliadine River
(nearest creek, river or lake system)

Nearest Settlement: Rankin Inlet

Adjacent Settlement/Out-post camps: _____

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

Does the project have Nunavut transboundary implications? Yes _____ No ☒

If yes, what additional procedures/contacts are needed? _____

4. Project Description and Assessment

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

Multiple Activities: Yes _____ No ✓

Project Category Code: Point _____ Multiple Points _____ Linear _____ Area

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

Project Description Summary (non-technical):

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

Attach Project Overview (English and Inuktitut)

Alternatives Considered:

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

5. The Proponent's Public Consultation Process

Description of Proponent's Public Consultation Process

held meeting in Rankin Inlet and
Chesterfield Inlet.

Did proponent make use of traditional knowledge? Yes ✓ No _____

Was information available in the community's preferred language? Yes ✓ No _____

In NIRB's opinion, was the proponent's public consultation adequate? Yes ✓ No _____

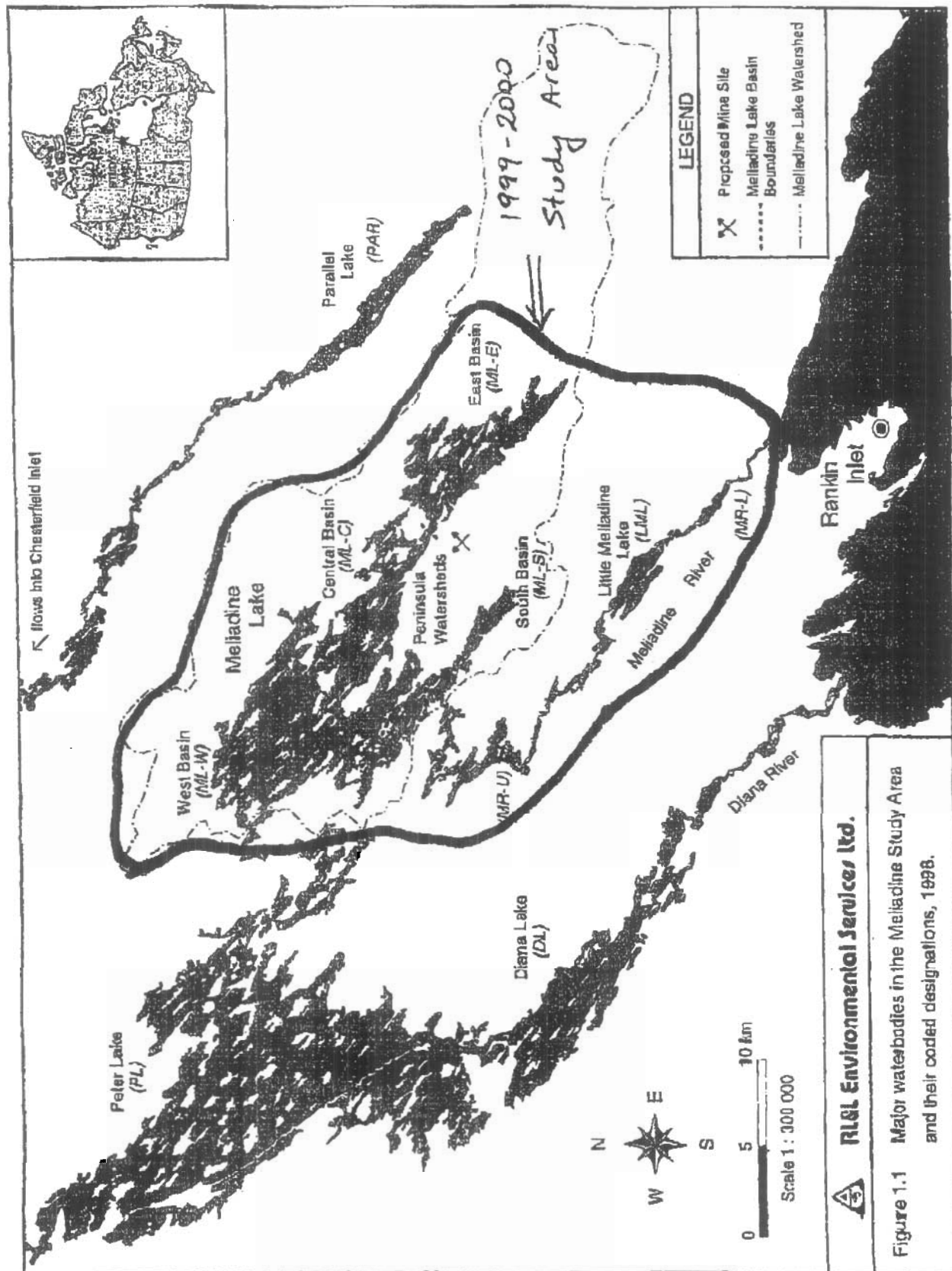
If no, explain why the proponent's consultation program was found deficient.

Section 3

8. Non-Technical Project Proposal Summary

Detailed aquatic investigations were carried out in 1997 and 1998 to collect baseline data for the potential gold mine development by WMC International Ltd. in the Meliadine Lake area near Rankin Inlet, Nunavut. The most important findings of these studies were summarized during the Environmental Studies Review meeting in Rankin Inlet on 14 April 1999. (see attached summaries in English and Inuktituk).

The study programs for 1999 and 2000 are designed to continue monitoring of water quality and invertebrate populations at key sampling locations, which will likely be used for long-term monitoring during the mine operation phase. In addition, gaps in our understanding of Arctic char and Arctic grayling movements and critical habitats will be addressed through the continuation of radio telemetry and fish fence operations on the lower Meliadine River. During 2000, fishing will be carried out in Meliadine Lake to collect fish tissues for metals analysis. Seasonal fisheries and habitat surveys will also be completed at the stream crossing sites along the proposed road corridor between Rankin Inlet and the potential mine site. The collected data will be used in the preparation of an environmental impact assessment and will form a baseline for future monitoring activities.



6. Description of the Environment

Description of Biophysical Environment

This area is the tundra wintering range of the Kiminuriaak caribou herd. Only certain sections of the winter range may be used in any one year. Wolves are found throughout in close association with the caribou, often following the movements of the herd.

This large area provides important habitat for waterfowl. Thousands of snow geese, lesser numbers of Canada geese, and a few whistling swans and sandhill cranes use the entire area during spring and fall migrations. Canada geese are common nesters throughout. A few swans may also be found nesting. Much of the area particularly the offshore islands is used by numerous ducks, mainly eiders for nesting.

Description of Socio-Economic and Cultural Environment

Extending along Chesterfield Inlet and west to Gibson Lake, this large area is regularly used for hunting and trapping by residents of Chesterfield Inlet and Rankin Inlet. Several Base camps are located around Barbour Bay and they may be used during winter hunting and trapping. Barren-ground caribou may winter in parts of this area and are hunted frequently. Wolves occur throughout the area and are hunted when encountered. Many lakes are fished in spring and fall.

7. NIRB's Consultation Process

Date application referred for comments:

April 20, 1999

(yyyy-mm-dd)

Deadline for comments:

May 25, 1999

(yyyy-mm-dd)

Distribution List:

Contact Person:

Date comments received:

NUNAVUT:

☒ NTI
☐ QIA
☒ Kivalliq I.A.
☐ Kitikmeot I.A.
☒ NPC
☒ NWB
☒ NWMB
☒ RWO
☒ Inuit Heritage Trust
☒ Community(s) Rankin/Chestfield Inlet
☒ Hamlet Chestfield Paul Summerhake
☒ HTO
☐ Other?

Rebecca Mike

May 10, 1999

April 28, 1999

FEDERAL:

☒ DIAND
☒ DFO
☒ DOE
☒ Heritage Can.
☒ Natural Resources
☒ Other? (eg. Health
 DOT, DND) CCG-

Margaret Keast

May 4, 1999

April 30, 1999

GNWT:

☒ DRWED
☒ Transport
☒ MACA
☒ PWNHC
☐ Other? (eg. Health,
 Soc. Serv., ECE)

Charles Arnold

May 5, 1999

May 21, 1999

**TRANSBOUNDARY
PARTIES****OTHER PARTIES**

Identification of Project Activities and Environmental Effects

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

Project Activities

(✓ check all the items appropriate to this project)

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

Project Effects

(✓ check all the items appropriate to this project)

Directly-related Socio-Economic & Cultural Effects:

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

Biophysical Environment Effects

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

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

Other Resource Uses

(√ check all the items appropriate to this project)

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

Effects from Other Resource Uses

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

Directly-related Socio-Economic & Cultural Effects:

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

Biophysical Environment Effects

15. ☐ deposit into surface or ground water
16. ☐ deposit to marine environment
17. ☐ change in surface or ground water flow
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40. ☒ impact to fish
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42. ☐ impact to other wildlife
43. ☐ impact in a calving, nesting, staging or spawning area
44. ☐ removal of wildlife buffer zone
45. ☐ change in wildlife habitat/ecosystem
46. ☐ other _____

10. Cumulative Environmental Effects

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

Matching Number(s)

Description of Cumulative Environmental Effects

_____ Research project is part of
 _____ numerous activities occurring in the
 _____ Possible cumulative effect on
 _____ wildlife.

NO 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)? possibly

NO Will the project encourage a "boom-bust" economy over an economy of permanence?NO Will the project encourage more wildlife harvesting on account of better access for hunters and fishers?NO Will the project have an effect on the water quality of the watershed?NO Will the project have a significant effect on existing land uses?**11. Mitigation Measures**

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

Number(s)
(as identified
in #8, #9 & #10)

Description of Mitigation Measures

_____ See Screening Decision Report
 _____ Terms & Conditions

12. Significance

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

☐ Yes ☒ No

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

Number(s) _____

13. Likelihood of Occurrence

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

☐ Yes ☒ No

Number(s) _____

14. Information Sources

What sources of information were used in the screening process?

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

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

15. Staff Recommendations

Staff Recommendations: (include rationale)

Research activities, proposed should not have any additional impacts, Baseline studies are needed to support possible future development of gold mine.

Prepared By:

Chadys Joudrey
Screening

Date:

May 25, 1999
(yyyy-mm-dd)

16. NIRB'S Principles

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

17. Indication to the Minister (12.4.4)

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

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

Jun-07-99 11:11A NIRBELIZ 896-9034

07-06-99 09:09 From-NUNAVUT IMPACT REVIEW BOARD

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18. Terms and Conditions

If the determination is 12.4.4 (a), NIRB's terms and conditions include those listed in the **Screening Decision Report**.

Specific Terms and Conditions to note include:

19. Authorization

Approved By: Elizabeth Garland Date: June 07/99
(NIRB Decision Maker) (yyyy-mm-dd)

20. Follow-up / Monitoring

Minister's Determination

_____ Minister agreed with NIRB's indication.
 Action? _____

_____ Minister varied NIRB's indication.
 Action? _____

_____ Minister rejected NIRB's indication
 Action? _____

If applicable,

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

_____ Has screening report information been added to NIRB's GIS/Calyx system?

T-421 P.04/28 Job-101

COMMENT FORM FOR NIRB SCREENINGS

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

Project Title: Environmental Studies at Meliadine West Gold Project
Proponent: Jack Patales
Location: Meliadine Lake, NIRE#: 99YN011
Comments Due By: Tuesday May 28, 1990

Indicate your concerns about the project proposal below:

<input type="checkbox"/> no concerns	<input type="checkbox"/> traditional uses of land
<input checked="" type="checkbox"/> water quality	<input type="checkbox"/> inuit harvesting activities
<input type="checkbox"/> terrain	<input checked="" type="checkbox"/> community involvement and consultation
<input type="checkbox"/> air quality	<input checked="" type="checkbox"/> local development in the area
<input checked="" 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 checked="" type="checkbox"/> birds and their habitat	<input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> fish and their habitat	
<input type="checkbox"/> heritage resources in area	

Please describe the concerns indicated above:

Do you have any suggestions or recommendations for this application?
*Any new changes be are to be sent to our office.
New employment opportunity be posted.*

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

Name of person commenting: MEMBERS of HTO
Position: Sec IMCA Organisation: BOICHO HTO
Signature: [Signature] Date: 05/24/90

MAY-10-1999 MON 09:10 AM

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FAX NO.

T-925 P.20/27 F-043

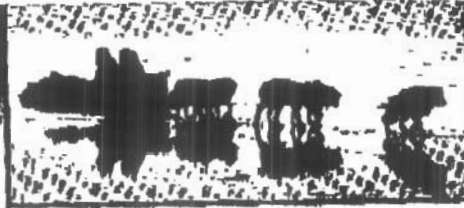
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26-04-99 10:43

From-NUNAVUT IMPACT REVIEW BOARD

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COMMENT FORM FOR NIRB SCREENINGS

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

Project Title: Environmental Studies at Meliadine West Gold Project
 Proponent: Jack Patalas
 Location: Meliadine Lake, NIRB#: 99YN011
 Comments Due By: Tuesday May 25, 1999

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"/> Inuit harvesting activities |
| <input type="checkbox"/> terrain | <input type="checkbox"/> community involvement and consultation |
| <input type="checkbox"/> air quality | <input type="checkbox"/> local development in the area |
| <input type="checkbox"/> wildlife and their habitat | <input type="checkbox"/> tourism in the area |
| <input type="checkbox"/> marine mammals and their habitat | <input type="checkbox"/> human health issues |
| <input type="checkbox"/> birds and their habitat | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> fish and their habitat | _____ |
| <input type="checkbox"/> heritage resources in area | _____ |

Please describe the concerns indicated above:

Please inform them that they have to get Scientific Research licence from DFO, Igloolik Office, Nunavut for fish tissue samples.

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: Rebecca Mike of Iqaluit
 Position: Assistant Director Organisation: NIRB
 Signature: Rebecca Date: 30.04.99

COMMENT FORM FOR NIRE SCREENINGS

Project Title: Environmental Studies at Melladine West Gold Project
Proponent: Jack Patalas
Location: Melladine Lake, NIRB#: 99YN011
Comments Due By: Tuesday May 25, 1999

- ☐ traditional uses of land
- ☐ Inuit harvesting activities
- ☐ community involvement and consultation
- ☐ local development in the area
- ☐ tourism in the area
- ☐ human health issues
- ☐ Other:

Do you have any suggestions or recommendations for this application?

Name of person commenting: S. Dosemberg of YK
Position: Vice-Chair Organization: BQCA B
Signature: S. Dosemberg Date: 21.05.99



Northwest
Territories

Education, Culture and Employment

201 23

April 27, 1999

Peter Ernerk, Deputy Minister
Department of Culture, Language, Elders and Youth
Government of Nunavut
Bag 800
Iqaluit NT X0A 0H0

Re: NRI Research Application 99YN011; Environmental Studies at Meliadine West Gold project (Jack Patalas, R. L. and L. Environmental Services Ltd.)
Due Date: May 25, 1999

Dear Mr. Ernerk:

At your request, the Prince of Wales Northern Heritage Centre has reviewed the above-noted application. Our recommendations follow.

We recommend approval of the above-cited research license application as the proponent's proposed activities do not constitute a threat to known archaeological resources.

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

Regards,

Original Signed By
Charles D. Arnold

Charles D. Arnold, Director
Culture and Heritage Division

Prince of Wales Northern Heritage Centre

c. Nunavut Impact Review Board



ARCHAEOLOGICAL RESOURCES: TERMS AND CONDITIONS

BACKGROUND

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

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

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

- II. "Archaeological site" means a site or work within 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.

- IV.
 1. The permittee shall not operate any vehicle over a known or suspected archaeological site.
 2. The permittee shall not remove, disturb or displace any archaeological specimen or site.
 3. The permittee shall contact the Department of Culture, Language, Elders and Youth (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, Iqaluit.
 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.
 6. 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.



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Box 358
Iqaluit, NT.
XOA OH0
Ph: (867) 979-8007
Fax: (867) 979-8039

May 4, 1999

Gladys Joudrey
Environmental Assessment Screener
Nunavut Impact Review Board
P.O. Box 2379
Cambridge Bay, NT
X0E 0C0

RE: Environmental Studies at Meliadine West Gold Project
NIRB: 99YN011
Letter of Advice

The Department of Fisheries and Oceans, Habitat Management, (DFO-HM) has reviewed the information submitted with the above application. DFO-HM's assessment takes into consideration fish and fish habitat related concerns only.

On the basis of the information provided, DFO has concluded that there will be no significant adverse effects on fish or fish habitat resulting from this project, if the project is conducted as described and with the following recommendations:

1. The deposition of deleterious substances into water bodies frequented by fish is prohibited under Section 36 of the Fisheries Act unless authorized by regulation. The proponent shall, therefore, ensure that any chemicals, fuel or wastes associated with the proposed project do not enter any such waters.

- DFO recommends that all sumps, wastes, sewage containment's and fuel caches 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 these substances do not enter a waterway.

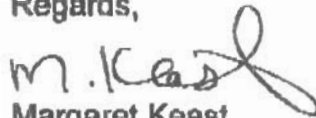
2. All spills of oil, fuel, or other deleterious materials shall be reported immediately to the 24-Hour Spill Line at (867) 920-8130.

Any changes to the proposed operation that may result in any impact on fish or fish habitat must be reported to the Department of Fisheries & Oceans, Iqaluit office before such changes are implemented.

Please note that none of the foregoing should be taken as authorization of the undertaking in accordance with the Fisheries Act or any other legislation.

If you have any questions or comments with respect to the above, please contact me.

Regards,



Margaret Keast
Habitat Management Biologist, Nunavut Area

cc. Gary Weber (Area Manager, Nunavut Area)

dd. Winston Fillatre (Conservation & Protection Field Supervisor, Nunavut Area)

COMMENT FORM FOR NIRS SCREENINGS

Project Title: Environmental Studies at Meliadine West Gold Project
Proponent: Jack Patalas
Location: Meliadine Lake, NIR#: 98YN011
Comments Due By: Tuesday May 26, 1999

Please describe the concerns indicated above:

Please provide findings of the survey to the Hamlet of Chesterfield Inlet. The Hamlet Council is interested in the results of this research. A copy would be very much appreciated. We don't require the scientific grammar, but a layman version of the report.

Any additional comments?

Name of person commenting: Paul Sammut of Hamlet of Chesterfield
Position: S.A.O. Organisation: Hamlet of Chesterfield Int
Signature: [Signature] Date: April 28/99

Distribution List for NIRB File #:99YN011
Project Name: :Environmental Studies at Meliadine West Gold Project

Kivalliq List
of Pages 28

	Contact Name:	Phone #:	Fax #:
Nunavut:			
NTI	Environmental Manager	983-2517	983-2723
Kivalliq IA	Chief Land Administrator	867-645-2810	867-645-3855
NPC	Executive Director	613-238-1155	613-238-5724
NWB	Executive Director	867-360-6338	867-360-6369
NWMB	Executive Director	867-979-6962	867-979-7785
Keewatin Wildlife Federation	Chairperson	867-857-2695	867-857-2990
Inuit Heritage Trust		867-979-0731	867-979-0269

Federal:			
DIAND - Nunavut	District Manager	867-979-4405	867-979-6445
DIAND - Kivalliq	Regional Inspector	867-645-2831	867-645-2592
DFO - Eastern Arctic	Regional Biologist	867-979-6274	867-979-8039
DOE	Mgr. Environmental Protection Branch	867-920-6050	867-920-6648
CCG	Ken Brant	519-383-1862	519-383-1989

Territorial Government:			
Sustainable Dev.	Ian Ellsworth	867-857-2828	867-857-2986
CGHT	Shawn Maley	867-645-5042	867-645-2321
CGHT	Iason Brown	867-645-5087	867-645-3357
PWNHC	Charles Arnold	867-920-8084	867-873-0205

Other:			
BQCMB	Chairperson	867-	867-873-0293

Communities:

Rankin Inlet: XOC OGO

Hamlet	SAO	867-645-2953	867-645-2146
Aqiggiak HTO	Chairperson	867-645-2350	867-645-3257

Chesterfield Inlet: XOC OBO

Hamlet	SAO	867-898-9926	867-898-9108
Aqigiq HTO	Chairperson	867-898-9063	867-898-9079

