

GLENCORE

October 31, 2025

Richard Dwyer
Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU
X0B 1J0

Re: Application for Renewal of Water Licence 2BE-HAK2126

Dear Richard,

Glencore Canada Corp. (Glencore), a wholly owned subsidiary of Glencore PLC, would like to request a five-year renewal of water license 2BE- HAK2126 for the Hackett River Project, from March 31, 2026 to March 31, 2031. This will allow for the potential of continued exploration in this area.

No modifications or amendments to 2BE-HAK2126 have been identified as being necessary for the purposes of this renewal. An overview of the application is provided below.

Application Form

A completed renewal application form is included as Attachment 1. Maps showing the Project location are included as Attachment 2.

Scope of Activities Proposed Under the Water Licence Renewal

This renewal does not represent a change in scope for the Project. Camp operations, population, and water use will be consistent with the current licence and activities undertaken in previous years. At present the camp is in care and maintenance but drilling activities may be resumed during the renewed licence term.

Previous Land Use Planning Conformity and NIRB Screenings

As per the requirements of the Nunavut Planning and Project Assessment Act, this application has also been submitted to the Nunavut Planning Commission (NPC) for a land use plan conformity review and determination of whether a screening by Nunavut Impact Review Board (NIRB) is required. This Project was last reviewed by the NPC during the 2021 renewal of this Licence (NPC file 149430). An NPC determination concluding that no further review was required was issued on December 16, 2020 (Attachment 3).

The Hackett River Project and associated exploration activities has been evaluated by the NIRB several times under NIRB File Numbers 04EN012, 06EN033 and 08EA084 (Attachment 4).

Glencore notes that the Hackett River Project continues to lie in a planning region with an approved regional land use plan. As this is an application for renewal without change, it is anticipated that neither an NPC conformity review or further NIRB screening will be required, as was the case when last renewed.

Updated Plans and Reports

Glencore's environmental management plans for the Hackett River Project Water Licence were recently reviewed and updates to the Spill Contingency Plan and Abandonment and Restoration Plan were made and submitted in March of 2025 to the NWB. No further updates have been deemed necessary at this time.

A list of environmental studies and reports prepared for the Hackett River Project are provided in Attachment 5.

Annual reports are also prepared and submitted annually to the NWB and can be found on the NWB public registry. These reports include information on the progressive reclamation activities Glencore has undertaken during care and maintenance to improve site stability and reduce environmental risk. Over the past licence term, these activities have included multiple campaigns to remove wastes, reclaim sumps and drill sites, consolidate, reduce and inventory fuel storage, undertake revegetation seeding and to bear-proof and maintain camp infrastructure.

Updated Security Assessment

An updated security assessment was prepared and submitted with the Abandonment and Restoration Plan provided to the NWB in March of 2025. No further update is deemed necessary at this time.

Updated Financial Statement

Glencore's most recent financial statements can be found on its website at <https://www.glencore.com/investors/reports-results/report-archive>.

Compliance Assessment / Status Reports

A compliance review of Inspector reports as well as the Water Licence 2BE-HAK2126 has been conducted. No compliance-related concerns have been identified.

English, Inuktitut, Inuinnaqtun, and French Summaries of Renewal Application

Plain language summaries of the activities contemplated under the renewal are included as Attachment 6.

Application Fee and Water Use Deposit

The renewal application form requires submission of a \$30 application fee plus a water use fee deposit of \$30. These fees have been paid by Glencore (Attachment 7).

Should you have any questions or concerns or require additional information, please do not hesitate to contact Katsky Venter at katsky.venter@gmail.com.

Sincerely,



Amanda Landriault

Glencore Canada Corporation

T: +1 438 337 4003

M: 1-438-337-4003

amanda.landriault@glencore.ca

Enclosed:

- Attachment 1 – Application Form*
- Attachment 2 – Project Map*
- Attachment 3 – NPC Conformity Determination*
- Attachment 4 – NIRB Screening Decision Report*
- Attachment 5 – Summary of Environmental Reports and Studies*
- Attachment 6 – Plain Language Summaries*
- Attachment 7 – Payment of NWB Application Fee and Deposit*
- Attachment 8 – Table of Leases and Authorizations*
- Attachment 9 – Certificate of Name Change*
- Attachment 10 – Engagement Record*
- Attachment 11 – Representative Authorization*

ATTACHMENT 1 – APPLICATION FORM

ATTACHMENT 1



Application for Water Licence Renewal

Document Date: April 2013

Application Submission Date:

10/28/2025

Month/Day/Year

P.O. BOX 119
GJOA HAVEN, NUNAVUT
XOB 1J0
TEL: (867)360-6338
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NUNAVUT IMALIRIYIN KATIMAYIT
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

DOCUMENT MANAGEMENT

Original Document Date: April 2010

DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 7	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	New NWB logo and request for background information	April 2013
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



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OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR WATER LICENCE RENEWAL

Your application may be classified as a **renewal** only if all operations remain the same as previously licensed and only the term of the licence requires change. If your application contemplates:

- a change to the volume of water authorized for use;
- a new activity related to water use or waste disposal;
- a new component related to water use or waste disposal;
- a change in predicted environmental impacts(s); and/or
- a change to any term or condition of the original licence

your application is **NOT** classified as a renewal but rather an amendment and will require submission of an Application for Water Licence Amendment. Licensees applying for combined renewal / amendment are also referred to the Application for Water Licence Amendment.

The applicant is referred to the NWB's Guide 7: Licensee Requirements Following the Issuance of a Water Licence for more information about this application form.

Where possible, provide background information regarding the original licence application or attach previously submitted information.

EXISTING LICENCE NO: 2BE-HAK2126

1. LICENSEE CONTACT INFORMATION

Is the licensee the same as that referred to on the existing licence?

Yes No

If No, a licence assignment must be completed and approved by the NWB. **A renewal will only be issued in the name of the current licensee in the absence of assignment of the licence.**

If the licensee is the same, but the name of the licensee has changed, attach a certificate of name change.

Name: Glencore Canada Corporation

Address: 1950 Rue Maurice-Gauvin, Suite 300., Laval, QC H7S 1Z5, Canada

Phone: T: +1 438 337 4003

Fax: _____

e-mail: amanda.landriault@glencore.ca

2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.

Name: Katsky Venter

Address:

221 Trincomali Hts
Salt Spring Island, BC
V8K 1M9

Phone: 250-538-2306

Fax: _____

e-mail: katsky.venter@gmail.com

(Attach authorization letter.) See Attachment 11

3. NAME OF PROJECT

Is the name of the project the same as that considered in the existing water licence?

Yes No

Indicate the name of the project including the name of the location: Hackett River Project, located approximately 104 km south of the community of Bathurst Inlet, Kitikmeot Region, Nunavut

4. LOCATION OF UNDERTAKING

Is the location of the undertaking the same as that considered in the existing water licence?

Yes No

Project Extents

<u>NW: Latitude: (66 ° 10' N)</u>	<u>Longitude: (108 ° 45' W)</u>
<u>NE: Latitude: (66 ° 10' N)</u>	<u>Longitude: (106° 45' W)</u>
<u>SE: Latitude: (65 ° 10' N)</u>	<u>Longitude: (108 ° 45' W)</u>
<u>SW: Latitude: (65 ° 10' N)</u>	<u>Longitude: (106° 45' W)</u>

Camp Location(s)

Latitude: 65° 55' N Longitude: 108° 22' W

5. MAP

Are the locations of the main components of the undertaking the same as those considered in the existing licence?

Yes No

Attach a topographical map, indicating the main components of the undertaking.
See Project maps (Attachment 2)

NTS Map Sheet No.: #76G/03, 04, 05, 06, 07, 08, 12, 13, #76F/08, 09, 15, 16
and Prospector Permits _____ Map Scale: 1:250,000

Map Name: Claims Leases

6. NATURE OF INTEREST IN THE LAND

Is the nature of the interest in the land the same as that considered in the existing water licence?

Yes No

Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

Mineral Lease from Nunavut Tunngavik Incorporated (NTI)
Date (expected date) of issuance: _____ Date of expiry: _____

Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

Surface

Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: _____

IOL Authorization from Kivalliq Inuit Association (KivIA)
Date (expected date) of issuance: _____ Date of expiry: _____

IOL Authorization from Qikiqtani Inuit Association (QIA)
Date (expected date) of issuance: _____ Date of expiry: _____

Commissioner's Land Use Authorization
Date (expected date) of issuance: _____ Date of expiry: _____

Other _____

Date (expected date) of issuance: _____ Date of expiry: _____

Glencore holds a number of mineral leases and authorizations associated with this Water Licence. These are outlined in Attachment 8.

Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence?

Yes No

If No, a licence assignment must be completed and approved by the NWB.

Name of entity(s) holding authorizations: Glencore Canada Corporation

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Is the undertaking located in the same land use planning area as that considered in the existing licence?

Yes No

Indicate the land use planning area in which the project is located.

North Baffin
 South Baffin
 Akunnig

Keewatin
 Sanikiluaq
 West Kitikmeot

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?

Yes No

If Yes, indicate date issued and attach copy. December 16, 2020 NPC File # 149430 (Attachment 3)

Does the proposed renewal change the original NPC conformity determination or the need to obtain one?

Yes No

If Yes, indicate date issued (or expected) and attach a copy. Expected in November or December, 2025

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Was a screening determination required from NIRB prior to the issuance of the existing water licence?

Yes No

If Yes, indicate date issued and attach copy. See NIRB Screening Decision Reports in Attachment 4. On the last renewal of this licence the NPC determined further NIRB screening was not required (Attachment 3)

Does the proposed renewal change the original NIRB screening determination or the need to obtain one?

Yes No

If Yes, indicate date issued (or expected) and attach a copy. _____
If No, provide written confirmation from NIRB confirming that a screening determination is not required. The NPC confirmed on December 16, 2020 that the Project falls outside of an area with an approved Land Use Plan in place and that further screening from the Nunavut Impact Review Board (NIRB) was not required as the previous screening decision(s) still applied to Project (see Attachment 3). An application has been provided to the NPC to make a determination on whether a screening is required by the NIRB. This determination is anticipated to be issued in late November or December 2025. As this renewal is being submitted without amendment, it is anticipated that NPC's determination will remain the same as that issued on the previous renewal.

9. DESCRIPTION OF UNDERTAKING

Is the description of the undertaking the same as that considered in the existing water licence?

Yes No

List and attach plans and drawings or project proposal.

No changes to the undertakings are proposed. Translated plain language summaries of the renewal is provided in Attachment 6.

10. OPTIONS

Are the alternative methods and locations that were considered to carry out the project the same as those considered in the existing water licence?

Yes No

Provide a brief explanation of the alternative methods or locations that were considered to carry out the project. The location of the project is defined by the geology of the site and the historical geological exploration of the area and therefore cannot be located elsewhere. The camp is situated based on historical use of the site and has not been relocated given that this would increase the footprint of disturbance. At this time, no further changes to this already-established Project are recommended.

11. CLASSIFICATION OF PRIMARY UNDERTAKING

Is the primary undertaking the same as that considered in the existing water licence?

Yes No

Indicate the primary classification of undertaking by checking one of the following boxes.

- | | |
|--|--|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps) | |
| <input type="checkbox"/> Conservation | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Miscellaneous (describe below): |
| <input type="checkbox"/> Power | _____ |

See Schedule II of the *Northwest Territories Waters Regulations* for Description of Undertakings.

12. WATER USE

Is the type(s) of water use(s) the same as that considered in the existing water licence?

Yes No

Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

- | | |
|--|---|
| <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes | |
| <input type="checkbox"/> To obtain water for industrial purposes | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To cross a watercourse | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input checked="" type="checkbox"/> To alter the flow of, or store water | <input type="checkbox"/> Flood control |
| <input checked="" type="checkbox"/> Other: <u>__Exploration drilling purposes and winter access/ice strip construction/maintenance__</u> | |

13. QUANTITY OF WATER INVOLVED

Is the source of water the same as that considered in the existing licence? Yes No

Name of water source(s): Camp Lake and/or lakes proximal to the drilling targets or any ice strip(s)
(show location(s) on map)

Is the quality of the water source and its available capacity the same as that considered in the existing licence?
 Yes No

Describe the quality of the water source(s) and the available capacity(s): Camp Lake is the drinking water source for the existing Hackett River camp and has been since 1980s/1990s. It has sufficient drinking water quality (as defined by Health Canada) and capacity. Camp Lake's volume is approximately 1,350,000 m³. This is sufficient to support the water use of this licence including drill water use and camp water supply.

Drill water will also continue to be obtained from lakes or ponds proximal to drill targets and of sufficient volume.

Is the overall estimated quantity of water to be used the same as that considered in the existing licence?
 Yes No

Provide the overall estimated quantity of water to be used: 299* m³/day
*This value is associated with seasonal use during the exploration (drilling) phase. Care and maintenance activities would only draw a portion of this for camp use.

Are the quantity(s) of water to be used from each source the same as those considered in the existing licence?
 Yes No

Provide the estimated quantity(s) of water to be used from each source:

As per Part C, Item 1 of the Water Licence, Glencore "...shall obtain all Water for domestic camp use from Camp Lake. Total camp Water use shall not exceed thirty (30) cubic metres per day. Water use for ice airstrip(s) and for drilling or other purposes shall be obtained from proximal source(s) as outlined in the Application and shall not exceed two hundred and sixty-nine (269) cubic metres per day. The total volume of Water for all purposes under this Licence shall not exceed two hundred and ninety-nine (299) cubic metres per day."

For ponds and lakes near drill targets which will provide water for drilling during the exploration activities, coordinates of the potential water sources to be used for water supply for exploration will be provided to the inspector at least 10 days prior to using the water source (per Part C, Item 2 of the 2BE-HAK2126).

Are the quantity(s) of water to be used for each purpose the same as those considered in the existing licence?
 Yes No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.): Camp Use: up to 30 m³/day; Drilling, ice strip and other exploration related uses: 269 m³/d.

Describe the quality(s) of water(s) returned to source(s): no water is returned directly to the water sources. It is noted that the ice strip returns to water on melt.

Are the method(s) of extraction the same as those considered in the existing licence? Yes No

Describe the method(s) of extraction: Same as existing licence; Camp water is pumped from Camp Lake to the camp surge tanks using an electric pump. Drill water is pumped from the nearby pond or lake to the drill using an electric pump. All intake hoses are fitted with a screen of appropriate mesh size to ensure that fish are not entrained or impinged, following DFO guidance.

Are the quantity(s) of water returned to source(s) the same as those considered in the existing licence?
 Yes No

Estimated quantity(s) of water returned to source(s): _____

Are the quality(s) of water(s) returned to source(s) the same as those considered in the existing licence?
 N/A Yes No

14. WASTE

Are the type(s) of waste(s) to be generated and/ or deposited the same as those considered in the existing licence?

Yes No

Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Waste oil |
| <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Greywater |
| <input checked="" type="checkbox"/> Hazardous | <input checked="" type="checkbox"/> Sludges |
| <input checked="" type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste | |
| <input type="checkbox"/> Other (describe): _____ | |

15. QUANTITY AND QUALITY OF WASTE INVOLVED

Are the quantity(s) of the types of wastes involved the same as those considered in the existing licence?

✓ Yes No

Are the composition(s) of the types of wastes involved the same as those considered in the existing licence?

✓ Yes No

Are the method(s) of treatment for the types of waste involved the same as those considered in the existing licence?

✓ Yes No

Are the method(s) of disposal for the types of waste involved the same as those considered in the existing licence?

✓ Yes No

For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Sewage	Pacto toilet waste in bags	Up to 90 kg/day	Incineration*	Ash backhauled to licenced landfill offsite and outside of Nunavut
Solid Waste	paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, semi-solid waste from Pacto toilets and food preparation waste.	180 kg/day	Incineration* and/or Open burning (untreated wood and cardboard only)	Ash backhauled to licenced landfill offsite and outside of Nunavut
Hazardous	Batteries, contaminated materials, spent oil filters,	Variable, estimated 0.02 m ³ /day oily hazardous waste, 1.66 lbs/day	Backhauled to Yellowknife	Landfilled at licenced Offsite Landfill and outside of Nunavut
Bulk Items/ Scrap Metal	Empty drums, drill steel, broken or worn out mechanical parts; aluminum pop cans, and all non-dairy plastic containers	one Twin Otter plane load every week (0.02 m ³ /day) plus 8 - 10 121 L bags (10 x 0.121 m ³ = 1.21 m ³) of recycling	Drums are drained, crushed and strapped or shipped whole	Transferred to recycling or licenced landfill offsite and outside of Nunavut

Waste Oil	Waste motor oil, transmission fluid and other petroleum fluids	150 L (0.150 m ³) a season during exploration = 0.006 m ³ /day	Backhauled to Yellowknife or incinerated in camp	Ash or waste oil landfilled at licenced offsite Landfill and outside of Nunavut
Greywater	Kitchen, bathing and laundry water	15-20 m ³ /d at camp capacity	Collected in container	Transferred periodically to settling sump > 31m from water
Sludges	Rock saw and drilling mud cuttings and brine water	1 to 2 m ³ of sludge cleaned from the bottom of the rock saw settling container annually; drill cuttings estimated at 0.65 and 1.91 m ³ per drill hole	Settling container and/or sump	Rock saw cuttings dried and shipped offsite for disposal; drill cuttings transferred to sump or boulder field >31 m from water

** Incinerator is an Eco Waste Solutions two stage batch incinerator model CA-50 and has been confirmed by the manufacturer as being suitable for incineration of the wastes described*

16. OTHER AUTHORIZATIONS

In addition to the sub-surface and surface land use authorizations provided in Block 6, are the same authorizations required as considered in the existing licence?

Yes No

For each provide the following:

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

A full list of authorizations associated with the Hackett River Project is provided in Attachment 8 (Leases and Authorizations).

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES

Are predicted environmental impacts of the undertaking and proposed mitigation measures the same as those considered in the existing water licence?

Yes No

Describe direct, indirect, and cumulative impacts related to water and waste.

Potential impacts are described below for both care and maintenance as well as exploration and are the same as considered in the existing water licence. The proposed activities have been previously reviewed by the Nunavut Planning Commission and screened by the Nunavut Impact Review Board (NIRB) (files 04EN021, 06EN033 and 08EA084, EX186; Attachment 4). The most recent previous renewal application was determined not to require further screening by the NIRB given that previous Screening Decision(s) still applied (NPC Attachment 3). All activities will be the same as have taken place over the previous terms of this Licence.

1. Care and Maintenance (current)

It is expected that activities associated with care and maintenance will have minimal effect on the land, water, flora and fauna and socio-economic areas. There will be periodic trips to the Hackett River camp for the purpose of site inspections and ongoing progressive reclamation.

When camp is occupied during care and maintenance, water impacts for camp use are minimal. DFO guidance is adhered to as applicable to ensure compliance with the Fisheries Act. Water intakes are screened to prevent fish entrainment or impingement. Greywater from the camp is deposited in a sump more than 31 m from any waterbody where it can percolate through the moss and soil. Box#15 outlines waste management practices during care and maintenance.

All equipment is stored and tents are winterized and protected against wildlife access. Any facilities used in a given year are similarly stored or winterized after use. All waste is removed from the camp where possible or incinerated, and any supplies left on site are stored in a manner to minimize wildlife attraction and access, damage from winter storms, and ice or snow accumulations.

2. Exploration

Should exploration be resumed, it is expected to have minimal effect on the land, water, flora and fauna and socio-economic areas. The continued use of the existing camp and airstrip will minimize footprint and associated environmental effects to the land.

Drilling will result in some compressed vegetation where wooden beams or supplies are placed on the ground. Drill cuttings are deposited in sumps or natural depressions near the drill site. All drill hole additives are biodegradable. Where drilling occurs on or near lakes, the return water containing drill cuttings will be pumped well back (> 31 m) from the shore of the lake into a natural depression. Because drill cuttings are mechanically pulverized rock they are geologically similar to the locally present glacial till. It is expected that drill cuttings will, in time, be colonized by plants and lichen.

The occasional use of salt to minimize freezing of the drill is expected to have minimal effect as any brine is diluted by the drill water used and salt use minimization. Salt is required to prevent permafrost from freezing the hole closed when drilling is periodically halted. Upon drilling completion, all waste is taken back to camp and disposed in a manner appropriate to the waste streams. Any unused material, fuel and supplies are transported to the next drill site, or taken back to camp for storage or disposal.

Effects to local water quantity and quality due to drilling and camp use are expected to be minimal. Water intakes are screened per DFO guidance to prevent juvenile fish entrainment or impingement. Each drill is additionally equipped with water meters tracking both water pumped from source and water consumed by drilling. Both readings are recorded at the end of each shift and reported to the Geology Program Manager and are documented in a spreadsheet with values reported to the NWB. Drilling requires the use of water from a nearby lake to generate the necessary drilling mud. A significant portion of the drilling mud/water is recirculated; however, there is a release of drilling mud to a sump near each drill site that percolates through the moss and soil. Greywater from the camp is pumped away from the camp to a location more than 31 m from water, where it can percolate through the soil and vegetation. Box#15 outlines waste management practices. To manage wildlife attractants to camp, all garbage will be flown out of camp or will be incinerated on site and stored in a manner that reduces wildlife attraction and prevents access.

Once drilling and exploration sampling is complete at each site, drill casing is removed or cut at ground level and the holes are cemented and plugged or capped. The cut portions are disposed of in an approved facility in Yellowknife or recycled as scrap metal. The collar locations of all drill holes are surveyed and recorded in exploration reports. Drill core and core boxes are moved to the designated storage areas and properly secured. Drill sites are left to naturally re-vegetate.

At the close of the field season tents and equipment are stored or winterized for future use. All waste is removed from the camp at the end of each field season, and any supplies left on site are stored to minimize damage from winter storms, ice, snow, or animals.

18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS

Are the effects of the undertaking on any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature, the same as those considered in the existing water licence?

Yes No

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

No effects are anticipated on other potential users related to the proposed undertaking. This undertaking has been previously screened by the NIRB (Attachment 4).

19. INUIT WATER RIGHTS

Are the effects of the undertaking on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) the same as those considered in the existing water licence?

Yes No

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No effects on quality, quantity or flow of waters through IOL is expected from water use and waste disposal of this undertaking.

20. CONSULTATION - Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

The Hackett River Project has been in care and maintenance for the duration of the current licence and no consultation meetings were held specific to this renewal application. However, Glencore reports annually to the Kitikmeot Inuit Association outline project activities and upcoming plans as well as local hiring and business use metrics (Glencore has continued to employ local community members where there is opportunity to do so for ongoing site maintenance). A summary of community engagement conducted during active baseline and exploration activities is provided in Attachment 10.

21. SECURITY INFORMATION

Is the financial security assessment the same as that considered in the existing water licence?

Yes No

Is the estimate of the total financial security for final reclamation the same as that considered in the existing water licence?

Yes No

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

An updated security assessment and Abandonment and Restoration Plan for the Hackett River Project was provided to the NWB with the 2025 Annual Report and can be found on the NWB public registry.

22. FINANCIAL INFORMATION

Is the statement of financial security the same as that considered in the existing water licence?

Yes No

Provide an updated statement of financial security.

Glencore's most recent financial statements can be found on it's website at:

<https://www.glencore.com/investors/reports-results/report-archive>

The 2025 Half-Year Report and Production Report can be found at:

<https://www.glencore.com/.rest/api/v1/documents/static/07647168-ed29-49b5-a379-9a3c7eb87a55/GLEN-2025-Half-Year-Report.pdf>

https://www.glencore.com/.rest/api/v1/documents/static/80aa3906-26b0-40d5-8fb1-881442e89c39/GLEN_2025-H1+ProductionReport.pdf

Glencore remains one of the world's largest globally diversified natural resource companies comprised of over 150 mining and metallurgical sites and oil production assets.

If the applicant is a business entity please answer the questions below:

Is the list of the officers of the company the same as those considered in the existing water licence?

Yes No

Provide a list of the officers of the company.

Glencore Canada Corporation is owned by Glencore PLC, a Jersey company

Gary Nagle - Chief Executive Officer

Steven Kalmin - Chief Financial Officer

Xavier Wagner – Chief Operating Officer

Is the Certificate of Incorporation or evidence of registration of the company name the same

Yes No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

See Attachment 9.

23. STUDIES UNDERTAKEN TO DATE

List and attach updated studies, reports, research etc.

Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

Extensive baseline studies were previously conducted around the Hackett River Project in preparation for the filing of a draft environmental impact statement. A list of these study reports is provided in Attachment 5. Baseline studies were discontinued with the cessation of drilling but would likely be resumed again with the resumption of exploration activities.

Glencore also conducts routine site inspections and maintenance and undertakes continued progressive reclamation of the Project. Information on these activities is included in annual reports submitted to the Nunavut Water Board and available on the NWB public registry. Over the past licence term, progressive reclamation activities have included multiple campaigns to remove wastes, reclaim sumps and drill sites, consolidate, reduce and inventory fuel storage, undertake revegetation seeding with northern grasses and to secure and maintain camp infrastructure.

Water Resources Inspectors conduct inspections under this water licence and Inspector reports can be found on the NWB public registry. All inspection reports as well as the Water Licence 2BE-HAK2126 have been reviewed for the purposes of this renewal application to verify Project compliance and the Project is confirmed to be in compliance.

24. PROPOSED TIME SCHEDULE

Is the time schedule for all phases of development (construction, operations, closure and post closure) the same as that considered in the existing licence?

Yes No

Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction

Proposed Start Date: Already Constructed Proposed Completion Date: _____
(month/year) (month/year)

Operation

Proposed Start Date: ongoing Proposed Completion Date: ongoing
(month/year) (month/year)

Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Closure is not currently planned for this Project. Glencore hopes that exploration activities will be resumed in future when economic conditions are favorable.

Post - Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

Winter Spring Summer Fall All season

Operation

Winter Spring Summer Fall All season

Closure

Winter Spring Summer Fall All season

Post - Closure

Winter Spring Summer Fall All season

25. PROPOSED TERM OF LICENCE

On what date does the existing licence expire? March 31 2026

Indicate the proposed term of the renewal (maximum of 25 years): 5 years

Requested date of renewal issuance: March 31, 2026 Requested Expiry Date: March 31, 2031
(month/year) (month/year)

(The requested date of renewal issuance must be at least three (3) months from the date of application for a type B water licence and at least one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING

Is the annual report template expected to be the same as that considered in the existing licence?

Yes No

If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

27. CHECKLIST

The following must be included with the application for renewal for the water licensing process to begin.

Completed Application for Water Licence Renewal form.

✓ Yes No If no, date expected _____

Updated plans, including designs and reports (see Block 23).

✓ Yes No If no, date expected _____

Updated security assessment (see Block 21).

✓ Yes No If no, date expected _____

Updated financial statement (see Block 22).

✓ Yes No If no, date expected _____

Compliance Assessment / Status Report (see Block 23).

✓ Yes No If no, date expected _____

English Summary of Renewal Application.

✓ Yes No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Renewal Application.

✓ Yes No If no, date expected _____ Application

fee of \$30.00 CDN (Payee Receiver General for Canada).

✓ Yes No If no, date expected _____

Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

The Water Use Fee and Application Fee has been paid (see Attachment 7)

✓ Yes No If no, date expected _____

28. SIGNATURE

I, Amanda Landriault (print name)

certify that the application requires no changes to water use or waste disposal as previously authorized and that the information given on this form is, to the best of my knowledge, correct and complete.

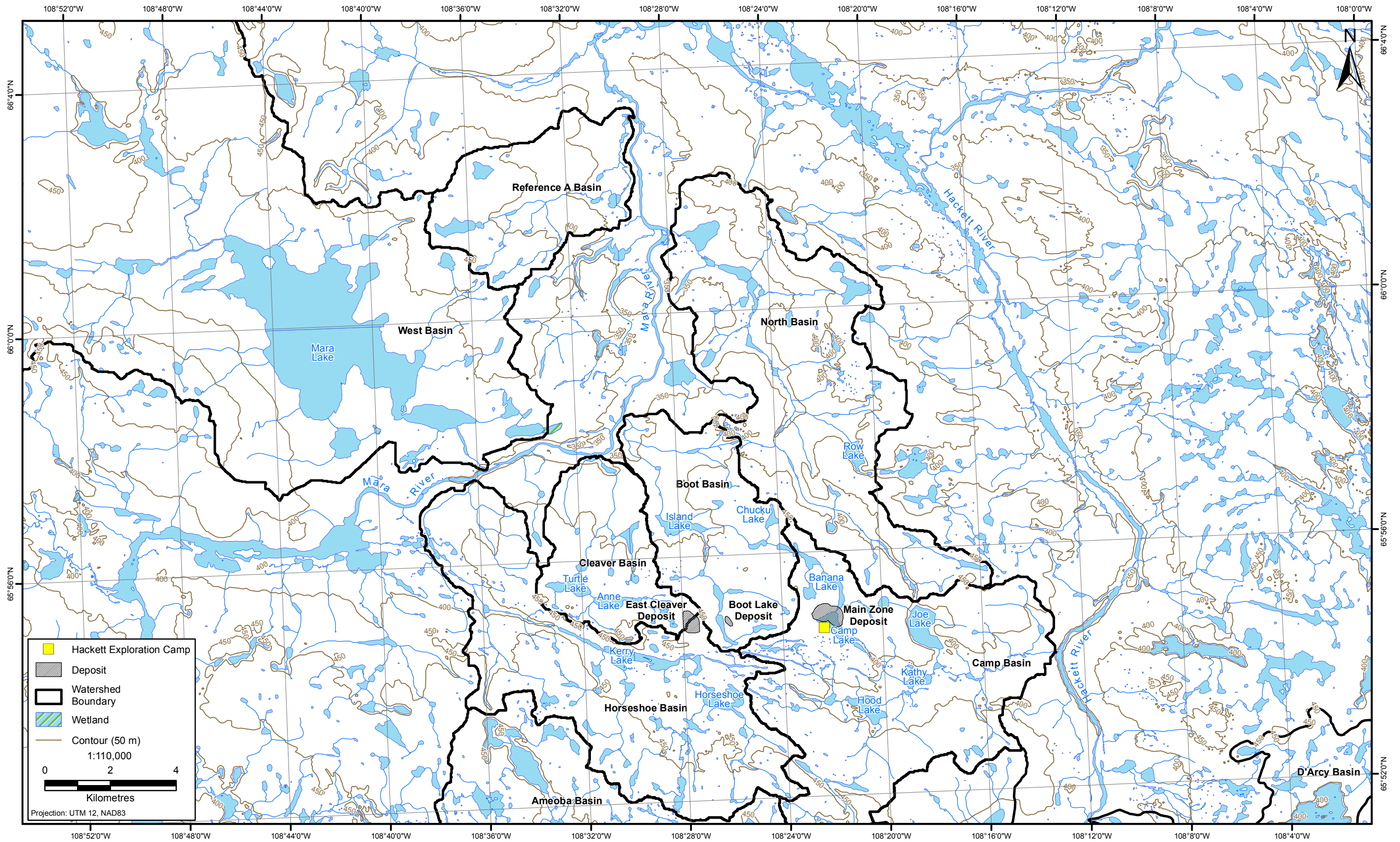


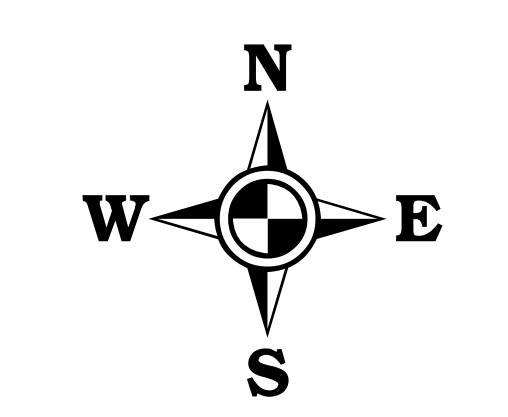
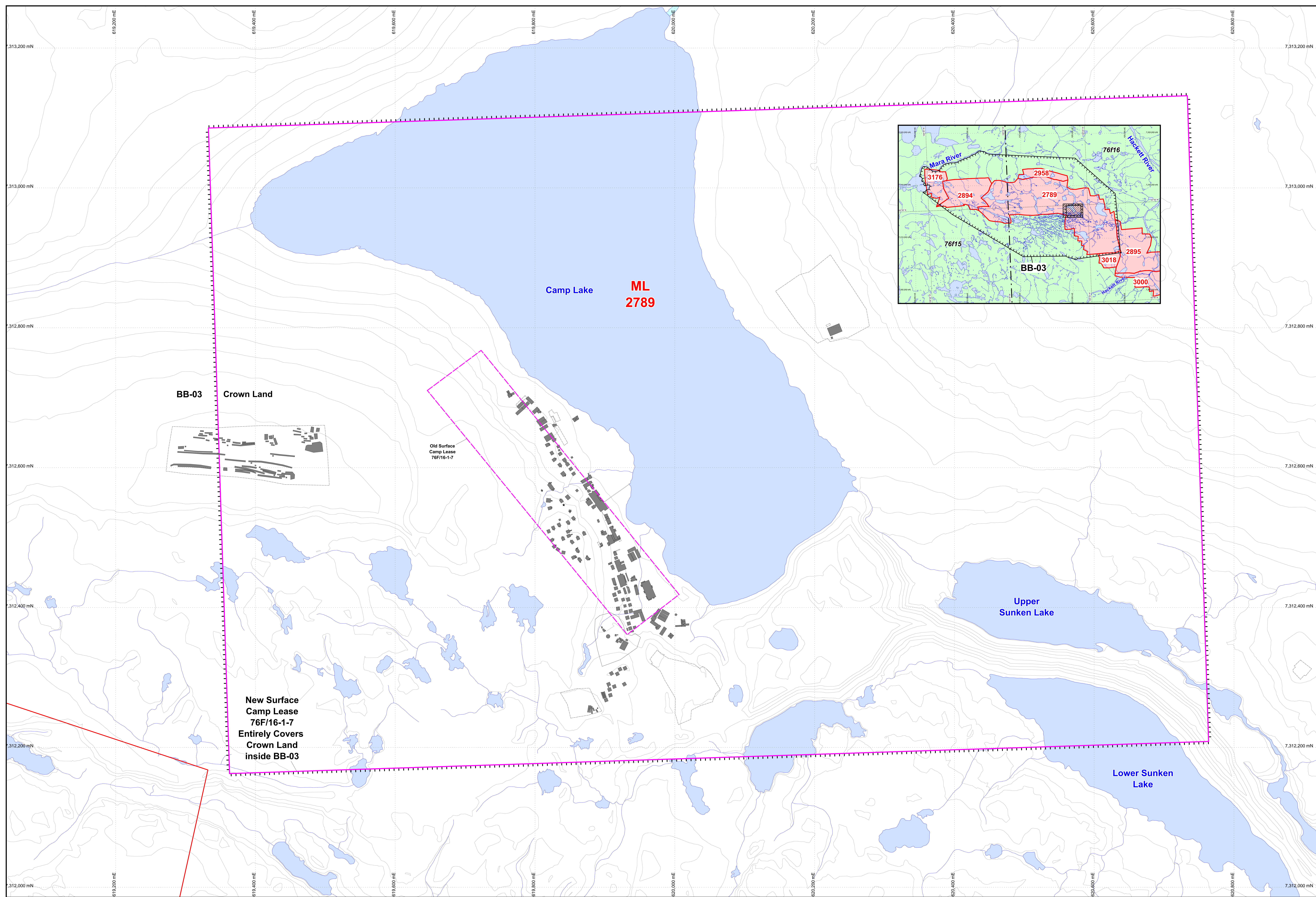
Signature

October 28, 2025
Date

ATTACHMENT 2 - PROJECT MAP

Figure 1
Hackett River Project Location





BB-03 Crown Land

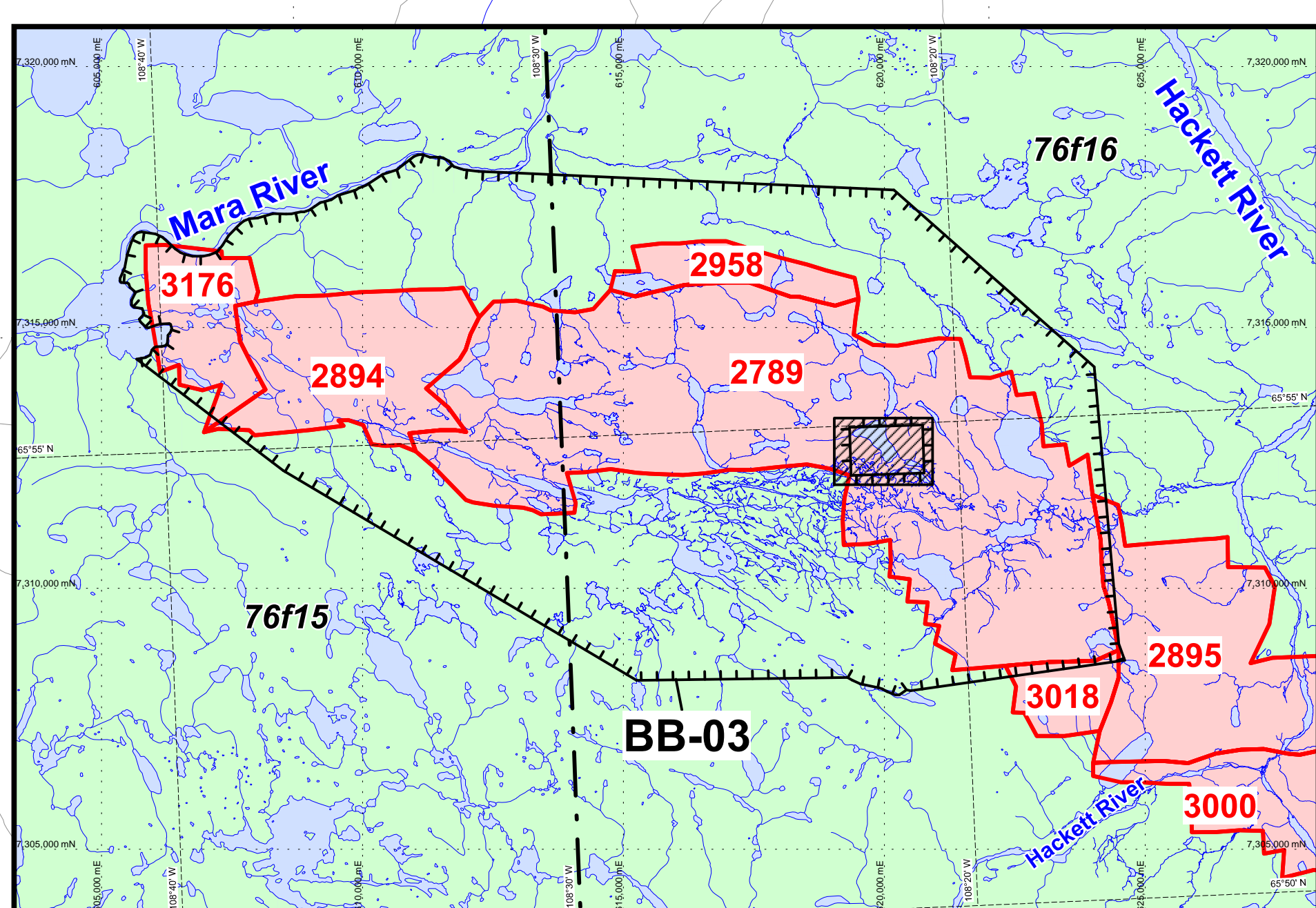
Old Surface
Camp Lease
76F16-1-7

**New Surface
Camp Lease
76F16-1-7
Entirely Covers
Crown Land
inside BB-03**

Camp Lake
ML
2789

**Upper
Sunken Lake**

**Lower Sunken
Lake**



GLENCORE

Hackett River

Camp Lake Area

Drawn by: J. Boivin
Camp Lake Area 1K-1.Wor
UTM NAD83 Z12
Date: Jan. 28, 2014
0 50 100 m
1 : 1,500

ATTACHMENT 3 - NPC CONFORMITY DETERMINATION

NPC files are protected and could not be added to this PDF.

Please see the NPC public registry at <https://lupit.nunavut.ca/portal/registry/> and search file number 150964 for most recent conformity determination

ATTACHMENT 4 - NIRB SCREENING DECISION REPORTS



NIRB File No.: 04EN012, 06EN033, 08EA084
INAC File No.: N2004C0005, N2006C0008
KIA File No.: KTL304C017, KTL304C018,
KTL204C012, KTL204C020 & KTL107C018
NWB File No.: 2BE-GOO1510 & NBE-GEO0210

December 10, 2009

Honourable Chuck Strahl
Minister of Indian and Northern Affairs Canada
c/o Spencer Dewar
Indian and Northern Affairs Canada
Iqaluit, NU

Via email: Spencer.Dewar@inac-ainc.gc.ca

Re: Application Exempt from Screening Pursuant to Section 12.4.3 of the NLCA: Sabina Gold & Silver Corp.'s Beechy Lake and Hackett River exploration project proposal(s)

Dear Chuck Strahl:

On November 25, 2009 the Nunavut Impact Review Board (NIRB or Board) received an application from Indian and Northern Affairs Canada (INAC) to extend the Land Use Permits for Sabina Gold & Silver Corp.'s (Sabina) *Beechy Lake* and *Hackett River* exploration project proposals (NIRB File No.: 06EN033, 04EN012; INAC LUPs: N2006C0008 and N2004C0005, respectively).

Please be advised that the original *Hackett River* exploration project proposal (NIRB File No.: **04EN012**) was received by the NIRB from INAC and from the Kitikmeot Inuit Association (KIA) on February 19, 2007 and February 27, 2004, respectively. The proposal was screened in accordance with Part 4, Article 12 of the Nunavut Land Claims Agreement (NLCA) and on April 1, 2004 the NIRB issued a 12.4.4(a) screening decision to the Minister of INAC which indicated that the *Hackett River* exploration project could proceed subject to the project-specific terms and conditions recommended by the NIRB. Sabina's current request involves the renewal of the Land Use Permit issued by INAC to Sabina for the Hackett River exploration project (NIRB **04EN012**, INAC LUP **N2004C0005**).

The INAC application and the original NIRB screening file, **04EN012** are available from the NIRB's ftp site at the following link: <http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/>.

Furthermore, on December 9, 2008, the NIRB received an amendment and renewal request from Dundee Precious Metals Inc. for a number of their holdings in the *Beechy Lake* area (NIRB File No.: **06EN033**, INAC LUP **N2006C0008**). The request resulted in the consolidation of files involving Dundee Precious Metals Inc.'s holdings (including File No. **06EN033**) into one comprehensive NIRB screening, File No. **08EA084**.

The **08EA084** proposal was screened in accordance with Part 4, Article 12 of the NLCA and on March 3, 2009 the NIRB issued a 12.4.4(a) screening decision to the Minister of INAC indicating the proposed *Beechy Lake* exploration project could proceed, subject to the NIRB's recommended project-specific terms and conditions.

In June of 2009, Sabina announced that it had wholly acquired Dundee Precious Metals Inc.; including its Beechy Lake holdings (NIRB File No. 08EA084).

The INAC application and the original NIRB screening file for the previously Dundee-owned *Beechy Lake* holdings, **08EA084** are available from the NIRB's ftp site at the following link:
<http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/>.

Please note that Section 12.4.3 of the NLCA states that:

“Any application for a component or activity of a project proposal that has been permitted to proceed in accordance with these provisions shall be exempt from the requirement for screening by NIRB unless:

- (a) such component or activity was not part of the original project proposal; or*
- (b) its inclusion would significantly modify the project.”*

After completing a review of the information provided, the NIRB is of the understanding that the application received from INAC does not change the general scope of the original project activities, and the exceptions noted in NLCA 12.4.3(a) and (b) do not apply. Therefore, this application is exempt from screening as per Section 12.4.3 of the NLCA and the activities therein remain subject to the terms and conditions recommended in the original April 1, 2004 (04EN012) and March 3, 2009 (08EA084) Screening Decision Reports (attached).

If you have any questions or concerns, feel free to contact NIRB's Assistant Technical Advisor, Wynter Kuliktana, at (867) 983-4609 or wkuliktana@nirb.ca.

Best regards,



Sophia Granchinho
Technical Advisor

For:

Stephanie Autut
Executive Director

cc: Peter Manojlovik, Sabina Gold & Silver Corp. (pmanojlovik@sabinagoldsilver.com)
Elizabeth Sherlock, Sabina Gold & Silver Corp. (esherlock@sabinagoldsilver.com)
Phyllis Beaulieu, Nunavut Water Board (licensing@nunavutwaterboard.org)
Stanley Anablak, Kitikmeot Inuit Association (sanablak@qiniq.com)

Attachment: NIRB Screening Decision Report, File No.: 04EN012 (April 1, 2004)
NIRB Screening Decision Report, File No.: 08EA084 (March 3, 2009)

SCREENING DECISION

April 1, 2004

Hon. Andy Mitchell
Minister for Indian and Northern Affairs
Ottawa, ON

Dear Mr. Minister:

**RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:
NIRB: #04EN012 DIAND: #N2004C0005
Mineral Exploration – Sabina Resources Ltd.**

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 (board decision)

Reasons for Decision:

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

- the impact of drilling activities on the ecosystem;
- disposal of drill cuttings and waste water;
- impact to water quality, aquatic habitat and wildlife and fish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the impact of noise from drilling activities and their disturbance to wildlife and traditional users of the area;
- the impact of campsite and equipment on terrain;
- clean up/restoration of the camp site and drilling locations 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 (30) metres of the normal high water mark of a water body.
2. The Permittee shall ensure, for "on-ice" drilling, return water released must be non-toxic, and not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministries for the Environment Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10mg/L for lakes with background levels under 100mg/L, or 10% for those above 100mg/L).
3. The Permittee shall not use drilling muds or additives in connection with drill holes unless they are re-circulated or contained such that they do not enter the water, or are certified to be non-toxic.
4. The Permittee shall ensure that any drill cuttings and waste water that cannot be re-circulated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody or removed to appropriate disposal location.
5. 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.
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 (30) metres of the normal high water mark of any water body.

8. The Permittee shall not deposit nor permit the deposit of slash, debris or sediment into any waterbody. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
9. 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.
10. 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.
11. If the drilling requires water in sufficient volume that the source waterbody may be drawn down details must be submitted (volume required, size of waterbody, etc.) to DFO-FHM for review. DFO-FHM does not recommend the use of streams as a water source.

Water

12. 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.

Fuel and Chemical Storage

13. The Permittee shall ensure that fuel storage containers are not located within thirty (30) metres of the ordinary high water mark of any body of water.
14. 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.
15. Fuel storage shall either be equipped with secondary containment and other hazardous materials should be located in such a manner as to prevent their release into the environment.
16. The Permittee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
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 outlets 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 combustible waste petroleum products by incineration and removal from the site.
21. The Permittee shall ensure all activities, including maintenance procedures and refueling, should be controlled to prevent the entry of petroleum products or other deleterious substances into the water.
22. The Permittee shall have an approved emergency response and spill contingency plans in place prior to the commencement of the operation.
23. 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.

Waste Disposal

24. 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.
25. The Permittee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the license.
26. The Permittee shall incinerate all combustible and food wastes daily.
27. The Permittee shall keep all garbage and debris in a covered metal container until disposed of.
28. The Permittee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.
29. The Permittee shall deposit all scrap metal, discarded machinery and parts, barrels and kegs, at an approved disposal site.

Wildlife

30. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
31. The Permittee shall not feed wildlife.
32. The Permittee shall use the latest bear detection and deterrent techniques to minimize man-bear interactions and shall report any Man-Bear Interactions to the nearest Wildlife Officer.
33. The Permittee shall ensure that the drill sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.
34. The Permittee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
35. The Permittee shall cease activities that may interfere with migration or calving, such as airborne geophysics surveys or movement of equipment, drilling activities until the caribou and their calves have vacated the area.
36. The Permittee shall not conduct any activity associated with the land use operation during critical periods of wildlife cycles (eg. caribou migration, calving, fish spawning or raptor nesting).
37. That the Permittee shall ensure that there is no hunting by employees of the company or any contractors hired.
38. 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.
39. 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.
40. 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

41. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
42. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
43. The Permittee shall not do anything that will cause erosion of the banks of any body of water on or adjacent to the land and shall provide necessary controls to prevent such erosion.
44. 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.
45. The Permittee shall not remove any material from below the ordinary high water mark of any waterbody.
46. The Permittee shall adopt such measures as required to control erosion by surface disturbance. 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.
47. 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.
48. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.

Structure & Storage Facilities

49. The Permittee shall not erect structures or store material on the surface ice of lakes or streams.
50. The Permittee shall locate all structures and storage facilities on gravel, sand or other durable land.

Reclamation

51. The Permittee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
52. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
53. The Permittee shall plug or cap all bore holes and cut off any drill casings that remain above ground to ground level upon abandonment of the operation.

Other Recommendations

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

Albert Ehaloak, A/Chairperson



SCREENING DECISION REPORT
NIRB FILE NO.: 08EA084

INAC File No.: N2006C0008

KIA File No.'s: KTL304C017, KTL304C018,
KTL204C012, KTL204C020 & KTL107C018

NWB File No.'s: 2BE-GOO0510 & 2BE-GEO0210

March 3, 2009

Honourable Chuck Strahl
Minister of Indian and Northern Affairs Canada
Indian and Northern Affairs Canada
Gatineau, QC

Via email: strahl.c@parl.gc.ca

Re: Screening Decision for Dundee Precious Metals Inc.'s "Beechey Lake Area Mineral Exploration" project proposal, NIRB File No. 08EA084

Dear Honourable Minister:

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.

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.

NIRB ASSESSMENT AND DECISION

After a thorough assessment of all material provided to the Board (please see *Procedural History* and *Project Activities* in **Appendix A**), in accordance with the principles identified within Section 12.4.2 of the NLCA, the decision of the Board as per Section 12.4.4 of the NLCA 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.

RECOMMENDED PROJECT-SPECIFIC TERMS AND CONDITIONS (pursuant to Section 12.4.4(a) of the NLCA)

The Board is recommending the following or similar project-specific terms and conditions be imposed upon the Proponent through all relevant legislation:

General

1. Dundee Precious Metals Inc. (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits obtained and required for this project to the Nunavut Impact Review Board (NIRB) prior to the commencement of the project.
3. The Proponent shall operate in accordance with all commitments stated in correspondence provided to Indian and Northern Affairs Canada (INAC Land Use Amendment and Extension Application, December 9, 2008) and the NIRB as follows:
 - a. NIRB Part 1 form (January 22, 2009), including non-technical summary (January 26, 2009)
 - b. NIRB Part 2 form, (January 22, 2009)
 - c. Abandonment and Restoration Plan (January 22, 2009)
 - d. Spill Contingency Plan (January 22, 2009)
 - e. Correspondence with additional information and maps (January 29, 2009)
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

Water

5. The Proponent shall not extract water from any fish-bearing waterbody unless the water intake hose is equipped with a screen of appropriate mesh size to ensure that there is no entrapment of fish. Small lakes or streams shall not be used for water withdrawal.
6. The Proponent shall not use water, including constructing or disturbing any stream, lakebed or the banks of any definable water course unless approved by the Nunavut Water Board.

Waste

7. The Proponent shall incinerate all combustible wastes daily, and remove the ash from incineration activities and non-combustible wastes from the project site to an approved facility for disposal.
8. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of. All wastes shall be kept inaccessible to wildlife at all times.

9. The Proponent shall ensure that the disposal of combustible camp wastes comply with the *Canadian Wide Standards for Dioxins and Furans*, and the *Canadian Wide Standards for Mercury*.

Fuel and Chemical Storage

10. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty-one (31) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment.
11. The Proponent shall store all fuel and chemicals in such a manner that they are inaccessible to wildlife.
12. The Proponent shall inspect and document the condition of all large fuel caches (in excess of 20 drums) on a weekly basis.
13. The Proponent shall ensure that appropriate spill kits are located at every fuel cache.
14. The Proponent shall remove and treat hydrocarbon contaminated soils on site or transport them to an approved disposal site.
15. The Proponent shall ensure that all on site personnel are properly trained in fuel and hazardous waste handling procedures as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130

Wildlife

16. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
17. The Proponent shall not harass wildlife. This includes persistently worrying or chasing animals, or disturbing large groups of animals. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
18. The Proponent shall not touch, feed or entice wildlife to approach by holding out or setting out decoys or any such devices, foodstuffs or bait of any kind.
19. The Proponent shall restrict aircraft/helicopter activity related to the project to a minimum altitude of 610 metres above ground level unless there is a specific requirement for low-level flying, which does not disturb wildlife and migratory birds.
20. The Proponent shall ensure that aircraft maintain a vertical distance of 1000 metres and a horizontal distance of 1500 metres from any observed groups (colonies) of migratory birds.
21. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.
22. The Proponent shall not disturb or destroy the nests or eggs of any birds. If nests are encountered and/or identified, the Proponent shall take precaution to avoid further interaction and or disturbance.
23. The Proponent shall cease activities that may interfere with migration or calving of caribou or muskoxen, until the caribou or muskoxen have passed or left the area.
24. The Proponent shall not block or cause any diversion to caribou migration, and shall cease activities likely to interfere with migration such as airborne geophysics surveys, drilling or movement of equipment or personnel until such time as the caribou have passed.
25. The Proponent shall not construct, or operate any camp, or cache any fuel, near paths or crossings frequented by caribou.
26. The Proponent shall take all possible measures to avoid wildlife encounters. Any problem wildlife should be reported immediately to the Government of Nunavut, Department of Environment.

27. The Proponent shall ensure all project staff are trained in appropriate bear/carnivore detection and deterrent techniques. It is recommended the Proponent review the safety precautions contained within “*Safety in Grizzly and Black Bear Country*” which can be downloaded from the following link: <http://www.nwtwildlife.com/Publications/safetyinbearcountry/safety.htm>

Physical Environment

28. The Proponent 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. The Proponent shall suspend overland travel of equipment or vehicles if rutting occurs.
29. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

Drilling on Land

30. The Proponent shall not conduct any land based drilling or mechanized clearing within thirty-one (31) metres of the normal high water mark of a water body.
31. The Proponent shall not allow any drilling wastes to spread to the surrounding lands or water bodies.
32. If an artesian flow is encountered, the Proponent shall ensure the drill hole is immediately plugged and permanently sealed.
33. The Proponent shall ensure that all drill areas are constructed to facilitate minimizing the environmental footprint of the project area. Drill areas should be kept orderly with garbage removed daily to an approved disposal site.
34. The Proponent shall ensure that all sump/depression capacities are sufficient to accommodate the volume of waste water and any fines that are produced. The sumps shall only be used for inert drilling fluids, and not any other materials or substances.
35. The Proponent shall not locate any sump within thirty-one (31) metres of the normal high water mark of any water body. Sumps and areas designated for waste disposal shall be sufficiently bermed or otherwise contained to ensure that substances do not enter a waterway unless otherwise authorized.
36. The Proponent shall ensure all drill holes are backfilled or capped at the end of the project. The Proponent shall backfill and restore all sumps to match the natural environment prior to the end of project.

Drilling on Ice

37. If drilling on lake ice, the Proponent shall ensure that any return water is non-toxic, and will not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment (CCME) Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).
38. The Proponent shall ensure that drill muds and additives are not used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the water, or demonstrated to be non-toxic.
39. The Proponent shall ensure that all drill cuttings are removed from ice surfaces at the end of each day.

Camp

40. The Proponent shall not erect camps or store material on the surface ice of lakes or streams.

Restoration

41. The Proponent shall remove all garbage, fuel and equipment upon abandonment.

42. The Proponent shall complete all clean-up and restoration of the lands used prior to the end of each field season.

Other

43. The Proponent should, to the extent possible, hire local people and to consult with local residents regarding their activities in the region.

44. Any activity related to this application, and outside the original scope of the project as described in the application, will be considered a new project and should be submitted to the NIRB for Screening.

Monitoring and Reporting Requirements

In addition, the Board is recommending the following:

1. The Proponent shall maintain a record of wildlife observations while operating within the project area. The reports should include locations (i.e., latitude and longitude), species, number of animals, a description of the animal activity, and a description of the gender and age of animals if possible. Prior to conducting project activities, the Proponent should map the location of any sensitive wildlife sites such as denning sites, calving areas, caribou crossing sites, and raptor nests in the project area, and identify the timing of critical life history events (i.e., calving, mating, denning and nesting). Additionally, the Proponent should indicate potential impacts from the project, and ensure that operational activities are managed and modified to avoid impacts on wildlife and sensitive sites.

A copy of this wildlife record or report should be submitted annually at the end of the operational season to the following Government of Nunavut (Department of Environment) contacts:

- a. Dustin Fredlund, Wildlife Manager, (867) 982-7441 or dfredlund@gov.nu.ca
- b. Allen Niptanatiak, Conservation Officer, (867) 982-7451 or kugwildlife2@qiniq.com
- c. Mathieu Dumond, Regional Biologist, (867) 982-7444 or mdumond@gov.nu.ca

2. The Proponent shall update its Spill Contingency Plan to include the up to date emergency contact numbers for the Government of Nunavut-Department of Environment (867-975-7700) and the Manager of Pollution Control and Air Quality (867-975-7748). In addition, remove Cindy Parker as the Environment Canada contact in Section 7.1.

Other NIRB Concerns and Recommendations

Please note that some components/activities associated with the current project proposal may have been screened previously by the NIRB under the following file numbers: 02EN013, 02EN021, 06QN027, 06QN028 and 06EN033. While information from these files were considered in the current screening, the NIRB noted that certain activities previously screened under these file numbers were not included in the current project proposal. These previous activities include quarry activities (06QN027, 06QN028) and winter haul roads (06QN027, 06QN028). If the proponent wishes to conduct any of these other activities in the future, the NIRB recommends that new applications be completed and forwarded to the appropriate authorizing agencies for review and to the NIRB for screening.

In addition to the project-specific terms and conditions, the Board is recommending the following:

General

All Authorizing Agencies shall notify the NIRB of any changes in operating plans or conditions associated with this project prior to any such change.

Indian and Northern Affairs Canada

Indian and Northern Affairs Canada (INAC) impose mitigation measures, conditions and monitoring requirements pursuant to the Federal Land Use Permit, which require the Proponent to respect the sensitivities and importance of the area. These mitigation measures, conditions and monitoring requirements should be in regard to the location and area; type, location, capacity and operation of facilities; use, storage, handling and disposal of chemical or toxic material; wildlife and fisheries habitat; and petroleum fuel storage.

INAC should also consider the importance of conducting regular Land Use Inspections, pursuant to the authority of the Federal Land Use Permit, while the project is in operation. The Land Use Inspections should be focused on ensuring the Proponent is in compliance with the conditions imposed through the Federal Land Use Permit.

Regulatory Requirements

The Proponent is also advised that the following legislation may apply to the project:

1. The Proponent is advised that the *Canadian Environmental Protection Act* (<http://laws.justice.gc.ca/en/C-15.31/>) lists calcium chloride (CaCl) as a toxic substance. The Proponent should assess alternatives (including biodegradable and non-toxic) to drill additives prior to the use of CaCl and try to avoid the use of CaCl.
2. The *Fisheries Act* (<http://laws.justice.gc.ca/en/showtdm/cs/F-14///en>).
3. The *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (<http://www.canlii.org/ca/sta/n-28.8/whole.html>).
4. The *Migratory Birds Convention Act* and *Migratory Birds Regulations* (<http://laws.justice.gc.ca/en/showtdm/cs/M-7.01>).
5. The *Species at Risk Act* (<http://laws.justice.gc.ca/en/showtdm/cs/S-15.3>). Attached in **Appendix B** is a list of Species at Risk in Nunavut.
6. The *Nunavut Wildlife Act* which contains provisions to protect and conserve wildlife and wildlife habitat, including specific protection measures for wildlife habitat and species at risk.
7. The *Nunavut Act* (<http://laws.justice.gc.ca/en/showtdm/cs/N-28.6>). The Proponent must comply with the proposed terms and conditions listed in the attached **Appendix C**.
8. The *Transportation of Dangerous Goods Regulations*, *Transportation of Dangerous Goods Act* (<http://www.tc.gc.ca/tdg/menu.htm>), and the *Environmental Protection Act* (<http://laws.justice.gc.ca/en/C-15.31/text.html>) The Proponent must ensure that proper shipping documents accompany all movements of dangerous goods. The Proponent must register with the GN-DOE Manager of Pollution Control and Air Quality at 867-975-7748.

Validity of Land Claims Agreement

Section 2.12.2

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

Dated March 3rd, 2009 at Sanikiluaq, NU.



Lucassie Arragutainaq, A/Chair

Appendix A

Procedural History and Project Activities

Procedural History

On December 9, 2008 the Nunavut Impact Review Board (NIRB or Board) received an application for a Land Use Permit extension and amendment for Dundee Precious Metals Inc.'s (Dundee) "Beechey Lake Area Mineral Exploration" project from Indian and Northern Affairs Canada (INAC). The NIRB assigned this project proposal file number 08EA084. The project is located in the Kitikmeot region and does not require a conformity determination from the Nunavut Planning Commission.

After undertaking a preliminary completeness check, the NIRB determined that Dundee's project proposal did not contain sufficient information for the NIRB to conduct an environmental screening. On December 17, 2008 the NIRB sent formal correspondence to Dundee, requesting submission of the required information by January 6, 2009. In email correspondence to NIRB dated January 5, 2009, Dundee requested an extension to the deadline for providing the requested information, to January 21, 2009. The NIRB deemed this request reasonable and subsequently granted the extension.

On January 16, 2009, the NIRB requested additional time from the Minister of INAC to complete the screening of this project proposal. By January 26, 2009, Dundee provided all the required information for the NIRB to conduct the environmental screening.

This application was distributed to the communities of Bathurst Inlet, Cambridge Bay, Gjoa Haven and Taloyoak, to interested Federal and Territorial Agencies, and Inuit Organizations. NIRB requested that interested Parties review the application and provide NIRB with comments by February 23, 2009 regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic and socio-economic effects; and if so, why;
- Whether the project is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (please provide any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

On or before February 24, 2009, NIRB received comments from the following interested Parties (see Comments and Concerns):

- Government of Nunavut, Department of Culture, Language, Elders and Youth (GN-CLEY)
- Environment Canada (EC)
- Kitikmeot Inuit Association (KIA)
- Government of Nunavut, Department of Environment (GN-DoE)

All comments provided to NIRB regarding this project proposal can be viewed on NIRB's ftp-site, at the following location: <http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/>

Project Activities

The project is located in the Kitikmeot region approximately 160 kilometre (km) south-south east of the community of Bathurst Inlet and approximately 400 km south of Cambridge Bay. The proposed project activities include mining exploration on claims within the Back River Area on both Crown Land and Inuit Owned Land (IOL). The claims will include the "Wishbone" area, (Wishbone, Del Lake, Lovechild,

Mahna Mahna, and Malley claims) and the “Core Properties” area (Goose Lake, George Lake, Boot Lake and Boulder Pond claims).

Exploration activities are proposed to occur March 1, 2009 to September 30, 2009 and continue in 2010. Dundee proposes to prospect areas to the north and south of the “Wishbone” area in 2009, once the areas have been awarded and appropriately defined by the Mining Recorder. These claim areas will be considered as part of the “Wishbone” area. Potential drilling may follow in 2010 or 2011 in these areas.

The project activities include:

- Base metal mineral exploration; including prospecting, sampling, soil sampling, exploration trenching, diamond drilling (on land and on ice), and air and ground geophysics.
- Use of existing Goose Lake Camp site as the base of operations, with maximum capacity of 80 personnel.
- Helicopter assisted drill program, including daily transportation of field crew to drill sites.
- Potential use of snowmachines around the Goose Lake area.
- Temporary storage of small fuel caches (up to 19 drums each) throughout the area to support exploring activities.
- Fuel storage at Goose Lake (6 bulk tanks) and George Lake (2 bulk tanks). Drummed fuel stored at George Lake.
- Storage of chemicals and hazardous materials at site.
- Water use for drilling purposes and camp use.
- Sewage, greywater and waste production related to camp operation.
- Incineration of sewage and combustible waste.
- Use of Goose Lake for site access via charter aircrafts. In winter, an ice-strip will be used on Goose Lake.
- Potential use of esker strip at George Lake camp or gravel strip northwest of Goose Lake during breakup period in spring.

Appendix B
SPECIES AT RISK IN NUNAVUT

This list includes species listed on one of the Schedules of SARA (*Species at Risk Act*) and under consideration for listing on Schedule 1 of SARA. These species have been designated as at risk by COSEWIC (Committee on the Status of Endangered Wildlife in Canada). This list may not include all species identified as at risk by the Territorial Government.

- Schedule 1 is the official legal list of Species at Risk for SARA. SARA applies to all species on Schedule 1. The term “listed” species refers to species on Schedule 1.
- Schedule 2 and 3 of SARA identify species that were designated at risk by the COSEWIC prior to October 1999 and must be reassessed using revised criteria before they can be considered for addition to Schedule 1.
- Some species identified at risk by COSEWIC are “pending” addition to Schedule 1 of SARA. These species are under consideration for addition to Schedule 1, subject to further consultation or assessment.

Schedules of SARA are amended on a regular basis so it is important to periodically check the SARA registry (www.sararegistry.gc.ca) to get the current status of a species.

Updated: January 3, 2007

Species at Risk	COSEWIC Designation	Schedule of SARA	Government Organization with Lead Management Responsibility ¹
Eskimo Curlew	Endangered	Schedule 1	EC
Ivory Gull	Endangered ²	Schedule 1	EC
Peregrine Falcon (subspecies anatum)	Threatened	Schedule 1	Government of Nunavut
Ross's Gull	Threatened	Schedule 1	EC
Harlequin Duck (Eastern population)	Special Concern	Schedule 1	EC
Felt-leaf Willow	Special Concern	Schedule 1	Government of Nunavut
Peregrine Falcon (subspecies tundrius)	Special Concern	Schedule 3	Government of Nunavut
Short-eared Owl	Special Concern	Schedule 3	Government of Nunavut
Fourhorn Sculpin	Special Concern	Schedule 3	DFO
Peary Caribou	Endangered ³	Pending	Government of Nunavut
Beluga Whale (Eastern Hudson Bay population)	Endangered	Pending	DFO
Beluga Whale (Cumberland Sound population)	Threatened	Pending	DFO
Beluga Whale (Western Hudson Bay population)	Special Concern	Pending	DFO

Beluga Whale (Eastern High Arctic – Baffin Bay population)	Special Concern	Pending	DFO
Bowhead Whale (Hudson Bay-Foxe Basin population)	Threatened ⁴	Pending	DFO
Bowhead Whale (Davis Strait-Baffin Bay population)	Threatened ⁴	Pending	DFO
Porsild's Bryum	Threatened	Pending	Government of Nunavut
Atlantic Walrus	Special Concern	Pending	DFO
Narwhal	Special Concern	Pending	DFO
Rusty Blackbird	Special Concern	Pending	Government of Nunavut
Barren-ground Caribou (Dolphin and Union population)	Special Concern ³	Pending	Government of Nunavut
Grizzly Bear	Special Concern	Pending	Government of Nunavut
Polar Bear	Special Concern	Pending	Government of Nunavut
Wolverine (Western Population)	Special Concern	Pending	Government of Nunavut

¹ Environment Canada has a national role to play in the conservation and recovery of Species at Risk in Canada, as well as responsibility for management of birds described in the Migratory Birds Convention Act (MBCA). Day-to-day management of terrestrial species not covered in the MBCA is the responsibility of the Territorial Government. Populations that exist in National Parks are also managed under the authority of the Parks Canada Agency. EC = Environment Canada, DFO = Department of Fisheries and Oceans

² Designated as Endangered by COSEWIC in April 2006 and it is expected that the category of concern in SARA will also be changed from Special Concern to Endangered.

³ Peary Caribou was split into three separate populations in 1991: Banks Island (Endangered), High Arctic (Endangered) and Low Arctic (Threatened) populations. The Low Arctic population also included the Barren-ground Caribou - Dolphin and Union population. In May 2004 all three population designations were de-activated, and the Peary Caribou, Rangifer tarandus pearyi, was assessed separately from the Barren-ground Caribou (Dolphin and Union population), Rangifer tarandus groenlandicus. The subspecies pearyi is composed of a portion of the former "Low Arctic population" and all of the former "High Arctic" and "Banks Island" populations, and it was designated Endangered in May 2004. Although SARA lists Peary Caribou on Schedule 2 as three separate populations, the most current designation is the COSEWIC designation of the subspecies pearyi as Endangered.

⁴ The "Eastern and Western Arctic populations" of Bowhead Whale were given a single designation of Endangered in April 1980 by COSEWIC. These were split into two populations to allow separate designations in April 1986. The Eastern population was not re-evaluated in April 1986, but retained the Endangered status of the original "Eastern and Western Arctic populations". The Eastern Arctic population was further split into two populations (Hudson Bay-Foxe Basin population and Davis Strait-Baffin Bay population) in May 2005, and both these populations were designated as Threatened. Both these populations are under consideration for addition to Schedule 1. Although SARA lists the Eastern Arctic population as Endangered (Schedule 2), the most current designation is the COSEWIC designations of the Hudson Bay-Foxe Basin and Davis Strait-Baffin Bay populations as Threatened.

Appendix C
Archaeological and Palaeontological Resources Terms and Conditions for Land Use Permit Holders



BACKGROUND: Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

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. [33.2.1]

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. [33.2.2]

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 Claims Agreement. [33.2.5]

BACKGROUND: Palaeontology

Under the Nunavut Act¹, the federal Government can make regulations for the protection, care and preservation of palaeontological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*², it is illegal to alter or disturb any palaeontological site in Nunavut unless permission is first granted through the permitting process.

¹ s. 51(1)

² P.C. 2001-1111 14 June, 2001

Definitions

As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*, the following definitions apply:

“archaeological site” means a place where an archaeological artifact is found.

“archaeological artifact” means any tangible evidence of human activity that is more than 50 years old and in respect of which an unbroken chain of possession or regular pattern of usage cannot be demonstrated, and includes a Denesuline archaeological specimen referred to in section 40.4.9 of the Nunavut Land Claims Agreement.

“palaeontological site” means a site where a fossil is found.

“fossil” includes:

- (a) natural casts
- (b) preserved tracks, coprolites and plant remains; and
- (c) the preserved shells and exoskeletons of invertebrates and the eggs, teeth and bones of vertebrates.

Terms and Conditions

- 1) The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.
- 2) The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.
- 3) The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.
- 4) The permittee shall immediately cease any activity that disturbs an archaeological or palaeontological 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, Government of Nunavut.
- 5) The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.
- 6) The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.
- 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 artifacts, and palaeontological sites and fossils.

- 8) The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.
- 9) The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:
 - a. survey
 - b. inventory and documentation of the archaeological or palaeontological resources of the land use area
 - c. assessment of potential for damage to archaeological or palaeontological sites
 - d. mitigation
 - e. marking boundaries of archaeological or palaeontological sites
 - f. site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.

Appendix 2: 2BE-HAK0915 NIRB Screening NIRB Ref. 04EN012



NIRB File Nos.: 04EN012, 06EN033 & 08EA084

NWB File No.: 2BE-HAK0709

KIA File No.: KTL304C010

KTL309C002

INAC File No.:N2004C0005

November 2, 2009

Mr. Thomas Kabloona
A/Chairperson, Nunavut Water Board
c/o Phyllis Beaulieu, Manager of Licensing
Nunavut Water Board
Gjoa Haven, NU

Via email: licensing@nunavutwaterboard.org

Re: Application Exempt from Screening under Section 12.4.3 of the NLCA: Sabina Silver Corporation's Hackett River Exploration project

Dear Phyllis Beaulieu:

On September 16, 2009 the Nunavut Impact Review Board (NIRB) received an application from Sabina Silver Corporation (Sabina) for an amendment and renewal to its water license (2BE-HAK0709) for the *Hackett River* exploration project.

Please be advised that the original project proposal (NIRB File No.: 04EN012) was received by the NIRB from Indian and Northern Affairs Canada (INAC) and from the Kitikmeot Inuit Association (KIA) on February 19, 2007 and February 27, 2004, respectively. The proposal was screened in accordance with Part 4, Article 12 of the Nunavut Land Claims Agreement (NLCA) and on April 1, 2004 the NIRB issued a 12.4.4(a) screening decision to the Minister of INAC which indicated that the proposed project could proceed subject to the project-specific terms and conditions recommended by the NIRB.

Current Renewal & Amendment Request

Sabina proposes to renew its Nunavut Water Board (NWB) Type B water licence (No. 2B-HAK0709) for this project for a period of 5 years (to expire December 31, 2014) and also to amend this Type B water license to allow for the following additional components:

- Utilization of waters from lakes in the Wishbone Trend (located within the Back River area) to support exploration activities;
- An increase to allowable daily volume of water from 198 m³ to 250 m³ to support:
 - Increased camp size to accommodate a maximum number of people of 75, up from 40;
 - An increased number of drill rigs, from 3 to 5.

The current application for amendment and renewal, and the original NIRB screening file for the *Hackett River* exploration project (File No. **04EN012**) are available from the NIRB's ftp site at the following link:

http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/ARCHIVE/2004_SCREENINGS/04EN012-Sabina%20Resources%20Ltd.%20Drilling%20%26%20Campsite/1-SCREENING/

Related Information

The application for renewal and amendment to Sabina's Type B water licence indicated that Sabina has acquired Dundee Precious Metals Inc.'s Back River asset near the Hackett River project. Exploration of the Back River area (Wishbone Trend) has been previously screened by the NIRB and was allowed to proceed subject to project specific terms and conditions contained within the Board's screening decision issued to the Minister of INAC on May 15, 2006 (NIRB File No. **06EN033**).

On December 9, 2008, the NIRB received an amendment and renewal request from Dundee Precious Metals Inc. for their holdings in the Beechy Lake area (including the Back River area and Wishbone Trend). The request resulted in the consolidation of previous screenings of Dundee Precious Metals Inc.'s holdings within the Back River area including File No. **06EN033** (above) into one comprehensive NIRB screening, File No. **08EA084**. The NIRB issued a screening decision to the Minister of INAC for this file on March 3, 2009.

Please note that Section 12.4.3 of the NLCA states that:

“Any application for a component or activity of a project proposal that has been permitted to proceed in accordance with these provisions shall be exempt from the requirement for screening by NIRB unless:

- (a) such component or activity was not part of the original project proposal; or*
- (b) its inclusion would significantly modify the project.”*

On October 13, 2009 the NIRB distributed the current amendment and renewal request to a regional distribution list, requesting that parties submit any comments or concerns related to the application by October 28, 2009.

The following is a *summary* of comments received from Environment Canada, Fisheries and Oceans Canada and the Government of Nunavut – Department of Environment regarding the proposed amendment and renewal:

Environment Canada (EC)

- Requirements of the *Fisheries Act* s.36(3);
- Provision of mitigation measures related to on-ice and land based drilling, storage of materials, waste management protocols, impacts to migratory birds and wildlife; and
- EC has developed a *Technical Document for Batch Waste Incineration* available from <http://www.ec.gc.ca/drgd-wrmd/default.asp?lang=En&n=82401EC7-1>. Information contained within this document should be incorporated into an Incineration Management Plan for the Hackett River camp. This Plan should be forwarded to EC for an opportunity to review prior to implementation.

Fisheries and Oceans Canada (DFO)

- If Sabina meets the conditions outlined in DFO Operational Statement at <http://www.dfo-mpo.gc.ca/regions/central/habitat/os-eo/provinces-territoires-territoires/nu/os-eo24-eng.htm> then DFO has no concerns regarding the project. If the Proponent cannot meet conditions in this Operational Statement, it should contact DFO-Eastern Arctic Area.

Government of Nunavut – Department of Environment (GN-DoE)

- Request clarification of project description;
- Advise Proponent to ensure compliance with the *Canada-Wide Standards for Dioxins and Furans*, and the *Canada-Wide Standards for Mercury Emissions*. The Proponent should clarify which bulk wastes it intends to incinerate; and
- Should test results indicate acid-rock drainage to be an issue, GN-DoE recommends the Board request that the Proponent submit a proposed mitigation plan which addresses any current and future acid-generating sources.

After completing a review of the information provided and comments received, the NIRB is of the understanding that the application received from Sabina does not change the general scope of the original project activities, and the exceptions noted in NLCA 12.4.3(a) and (b) do not apply. Therefore, this application is exempt from screening as per Section 12.4.3 of the NLCA and the activities therein remain subject to the terms and conditions recommended in the original April 1, 2004 (04EN012), May 15, 2006 (06EN033) and March 3, 2009 (08EA084) Screening Decision Reports (attached).

If you have any questions or concerns, feel free to contact NIRB's Technical Advisor, Amanda Hanson, at 867-983-4615 or ahanson@nirb.ca.

Best regards,



Stephanie Autut
Executive Director

cc: Elizabeth Sherlock, Sabina Silver Corporation
Spencer Dewar, Indian and Northern Affairs Canada
Stanley Anablak, Kitikmeot Inuit Association

Attachment: NIRB Screening Decision Reports, File Nos.: 04EN012 – April 1, 2004; 06EN033 – May 15, 2006; 08EA084 – March 3, 2009

SCREENING DECISION

April 1, 2004

Hon. Andy Mitchell
Minister for Indian and Northern Affairs
Ottawa, ON

Dear Mr. Minister:

**RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:
NIRB: #04EN012 DIAND: #N2004C0005
Mineral Exploration – Sabina Resources Ltd.**

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 (board decision)

Reasons for Decision:

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

- the impact of drilling activities on the ecosystem;
- disposal of drill cuttings and waste water;
- impact to water quality, aquatic habitat and wildlife and fish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the impact of noise from drilling activities and their disturbance to wildlife and traditional users of the area;
- the impact of campsite and equipment on terrain;
- clean up/restoration of the camp site and drilling locations 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 (30) metres of the normal high water mark of a water body.
2. The Permittee shall ensure, for "on-ice" drilling, return water released must be non-toxic, and not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministries for the Environment Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10mg/L for lakes with background levels under 100mg/L, or 10% for those above 100mg/L).
3. The Permittee shall not use drilling muds or additives in connection with drill holes unless they are re-circulated or contained such that they do not enter the water, or are certified to be non-toxic.
4. The Permittee shall ensure that any drill cuttings and waste water that cannot be re-circulated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody or removed to appropriate disposal location.
5. 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.
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 (30) metres of the normal high water mark of any water body.

8. The Permittee shall not deposit nor permit the deposit of slash, debris or sediment into any waterbody. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
9. 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.
10. 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.
11. If the drilling requires water in sufficient volume that the source waterbody may be drawn down details must be submitted (volume required, size of waterbody, etc.) to DFO-FHM for review. DFO-FHM does not recommend the use of streams as a water source.

Water

12. 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.

Fuel and Chemical Storage

13. The Permittee shall ensure that fuel storage containers are not located within thirty (30) metres of the ordinary high water mark of any body of water.
14. 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.
15. Fuel storage shall either be equipped with secondary containment and other hazardous materials should be located in such a manner as to prevent their release into the environment.
16. The Permittee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
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 outlets 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 combustible waste petroleum products by incineration and removal from the site.
21. The Permittee shall ensure all activities, including maintenance procedures and refueling, should be controlled to prevent the entry of petroleum products or other deleterious substances into the water.
22. The Permittee shall have an approved emergency response and spill contingency plans in place prior to the commencement of the operation.
23. 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.

Waste Disposal

24. 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.
25. The Permittee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the license.
26. The Permittee shall incinerate all combustible and food wastes daily.
27. The Permittee shall keep all garbage and debris in a covered metal container until disposed of.
28. The Permittee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.
29. The Permittee shall deposit all scrap metal, discarded machinery and parts, barrels and kegs, at an approved disposal site.

Wildlife

30. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
31. The Permittee shall not feed wildlife.
32. The Permittee shall use the latest bear detection and deterrent techniques to minimize man-bear interactions and shall report any Man-Bear Interactions to the nearest Wildlife Officer.
33. The Permittee shall ensure that the drill sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.
34. The Permittee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
35. The Permittee shall cease activities that may interfere with migration or calving, such as airborne geophysics surveys or movement of equipment, drilling activities until the caribou and their calves have vacated the area.
36. The Permittee shall not conduct any activity associated with the land use operation during critical periods of wildlife cycles (eg. caribou migration, calving, fish spawning or raptor nesting).
37. That the Permittee shall ensure that there is no hunting by employees of the company or any contractors hired.
38. 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.
39. 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.
40. 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

41. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
42. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
43. The Permittee shall not do anything that will cause erosion of the banks of any body of water on or adjacent to the land and shall provide necessary controls to prevent such erosion.
44. 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.
45. The Permittee shall not remove any material from below the ordinary high water mark of any waterbody.
46. The Permittee shall adopt such measures as required to control erosion by surface disturbance. 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.
47. 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.
48. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.

Structure & Storage Facilities

49. The Permittee shall not erect structures or store material on the surface ice of lakes or streams.
50. The Permittee shall locate all structures and storage facilities on gravel, sand or other durable land.

Reclamation

51. The Permittee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
52. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
53. The Permittee shall plug or cap all bore holes and cut off any drill casings that remain above ground to ground level upon abandonment of the operation.

Other Recommendations

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

Albert Ehaloak, A/Chairperson



SCREENING DECISION REPORT
Dundee Precious Metals Inc. Boulder Property

NIRB File No.: 06EN033

May 15, 2006

Hon. Jim Prentice
Minister of Indian affairs and Northern Development
Ottawa, ON

Via email: minister@inac.gc.ca

Dear Hon. Prentice:

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 reflect the primary objectives of the Land Claims Agreement. Our considerations in making this decision included:

- the impact of drilling activities on the ecosystem;
- disposal of drill cuttings and waste water;
- impact to water quality, aquatic habitat and wildlife and fish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the impact of noise from drilling activities and their disturbance to wildlife and traditional users of area;
- the potential impact of aircraft/helicopter on wildlife;
- 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 and drilling locations upon abandonment.

Terms and Conditions:

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

General

1. The Permittee shall maintain a copy of the Project Terms and Conditions at the sites of operation at all times.
2. The NIRB shall be notified prior to any changes in operating plans or conditions associated with this project.
3. Prior to commencing on-site activities, the Proponent shall submit to NIRB copies of all permits, licenses and authorizations required to undertake the project.
4. The Permittee shall submit to Board, at the end of the field season, a map showing the approximate location of drill sites.
5. The Permittee shall ensure that all on-site personnel, including any contractors, are familiar with these Terms and Conditions and any license or permit requirements.
6. This Permittee shall be aware they are required to register with the Government of Nunavut, Department of Environment – Environmental Protection Service regarding the movement of any hazardous wastes through a Waste Manifest.

7. The Permittee shall file a report with the Board no later than March 31 of the year following the calendar year reported, which shall contain the following information:
 - a. A summary of activities undertaken for the year, including but not limited to the amount of drilling;
 - b. A work plan for the following year;
 - c. The results of environmental studies undertaken and plans for future studies;
 - d. Wildlife encounters and actions/mitigation taken and any results from a Wildlife Monitoring/Reporting Plan;
 - e. A summary of local hires and initiatives;
 - f. A summary of community consultations undertaken and the results;
 - g. A summary of site-visits by inspectors with results and follow-up actions;
 - h. A summary of site-visits with community members;
 - i. Site photos;
 - j. The number of take-offs & landings from an airstrip with approved flight path with date and location;
 - k. The number of helicopter touch-downs on the land with date, location and reason (provide reason unless confidential);
 - l. Results of a Wildlife Monitoring/Reporting Plan;
 - m. Progressive reclamation work undertaken; and
 - n. A summary of how it has complied with all project 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 ensure that all drill cuttings are removed from ice surfaces.
3. 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.
4. 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. Further, the Permittee is hereby informed that the Canadian Environmental Protection Act has recently listed CaCl as a toxic substance. If CaCl is to be used as a drill additive, the proponent shall ensure that all sumps containing CaCl are properly constructed and located in such a manner as to ensure that the contents will not enter any waterbody.
5. The Permittee shall ensure that when “on-ice drilling”, the return water released must be non-toxic, and not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment (CCME) Guidelines for the Protection of Freshwater Aquatic Life (ie. 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).

6. The Permittee shall ensure that any drill cuttings and waste water that cannot be re-circulated be disposed of in a properly constructed sump.
7. The Permittee shall ensure that the sump/depression capacity is sufficient to accommodate the volume of waste water and any fines produced to reduce additional impacts.
8. The Permittee shall not locate any sump within thirty (30) metres of the normal high water mark of any water body.
9. 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.
10. The Permittee shall not use mechanized clearing within 30 meters of the normal high water mark of a watercourse, in order to maintain a vegetative mat for bank stabilization.
11. 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.

Water

1. 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.
2. The Permittee shall only use water from sources approved by the Nunavut Water Board.

Fuel and Chemical Storage

1. The Permittee shall update its Spill Contingency Plan on an annual basis. Once revised in the 2007 year, this plan must include the Government of Nunavut – Department of Environment Waste Manifest for tracking hazardous wastes, as well as updated contacts reflecting, but not limited to, the current ownership/optioning rights, and relevant Environment Canada officers.
2. The Permittee shall locate fuel caches and other hazardous materials in such a manner as to prevent their release into the environment.
3. The Permittee shall ensure that fuel storage containers are not located within thirty (30) metres of the ordinary high water mark of any body of water. Further, secondary containment such as self supporting insta-berms shall be used when storing barrel fuel on location, rather than relying on natural depressions.
4. Fuel storage containers in excess of 4,000 litres capacity shall either be double-walled, self bermed construction, or diked with adequate storage capacity. An impermeable liner shall be used to ensure that no fuel escapes. The Permittee shall take all reasonable precautions to

prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.

5. All fuel storage containers should be situated in a manner that allows easy access and removal of containers in the event of leaks or spills.
6. The Permittee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be reported immediately.
7. The Permittee shall seal all container outlets except the outlet currently in use.
8. The Permittee shall mark all fuel containers with the Permittee's name.
9. The Permittee shall dispose of all combustible waste petroleum products by incineration and all ashes shall be removed from the site.
10. The Permittee shall ensure that all activities, including maintenance procedures and refueling, are controlled to prevent the entry of petroleum products or other deleterious substances into the water or onto the land.
11. The Permittee shall ensure that all on site personnel are properly trained in fuel and hazardous waste handling procedures as well as spill response procedures.
12. 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. Spills shall also be reported to Environment Canada at (867) 920-5131.
13. The Permittee shall maintain a supply of spill kits, shovels, barrels, sorbents, and pumps on-site.
14. The Permittee shall use drip pans when refueling equipment and should consider having portable spill kits located at each drill site location.
15. Chemicals containing salts, which may attract wildlife to the site, should be stored so that they are inaccessible to wildlife.

Waste Disposal

1. 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.
2. 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. Sumps and areas designated for waste disposal shall be sufficiently bermed or otherwise contained to ensure that substances do not enter a waterway unless otherwise authorized.

3. The Permittee shall use an approved incinerator for the disposal of combustible camp wastes. The Permittee shall incinerate all combustible and food wastes daily.
4. The Permittee shall keep all ash in a covered metal container until it is disposed of at an approved facility. The Permittee shall keep all non-combustible garbage and debris in a covered metal container until disposed of at an approved facility.
5. The Permittee shall deposit all scrap metal, discarded machinery and parts, barrels and kegs, at an approved disposal site.
6. The Permittee shall ensure that any hazardous materials, including waste fuel and oil, receive proper treatment and are backhauled for disposal at an approved facility.

Structure & Storage Facilities

1. The Permittee shall not erect structures or store material on the surface ice of lakes or streams.
2. The Permittee shall locate all structures and storage facilities on gravel, sand or other durable land.

Camps

1. The Permittee shall locate all camps on gravel, sand, or other durable land.
2. The Permittee shall not erect camps or store material on the surface ice of lakes or streams.
3. The Permittee shall keep the camp clean and tidy at all times so as not to attract carnivores.

Physical Environmental

1. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
2. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
3. The Permittee shall not do anything that will cause erosion of the banks of any body of water on or adjacent to the land and shall provide necessary controls to prevent such erosion. The Permittee shall adopt such measures as required to control erosion by surface disturbance. 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.
4. The Permittee shall be required to undertake corrective measures in the event of any damage to the land or water as a result of the Permittee's operation.

5. The Permittee shall not remove any material from below the ordinary high water mark of any waterbody.
6. 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.
7. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.

Wildlife

1. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this operation.
2. The Permittee shall ensure that there is minimal disturbance to any nesting birds and wildlife in the area. Harassment of wildlife is prohibited. This includes persistently worrying or chasing animals, or disturbing large groups of animals.
3. Pursuant to the Migratory Bird Convention Act Regulations the Permittee shall not disturb or destroy the nests or eggs of migratory birds. The period from May 15 to July 31 is the general migratory bird breeding season. If nests containing eggs or young are encountered, the Permittee shall avoid these areas until nesting is complete and the young have left the nest.
4. The Permittee must be in compliance with the *Migratory Birds Convention Act* and *Migratory Birds Regulations* during all phases and in all undertakings related to the project.
5. The Permittee shall be aware that the Species at Risk Act (SARA), came into full effect on June 1, 2004. Section 79 (2) of SARA, states that during an assessment of effects of a project, the adverse effects of the project on listed wildlife species and its critical habitat must be identified, that measures are taken to avoid or lessen those effects, and that the effects need to be monitored. This section applies to all species listed on Schedule 1 of SARA, but as a matter of best practice, species listed on other Schedules of SARA and under consideration for listing should also be included in this type of assessment.

Species at Risk	Category of Concern	Schedule of SARA
Grizzly Bear	Special Concern	Pending
Wolverine (Western Population)	Special Concern	Pending
Peregrine Falcon (subspecies tundris)	Special Concern	Schedule 3
Short-eared Owl	Special Concern	Schedule 3

The Permittee should consult with the Government of Nunavut and Environment Canada to develop appropriate status reports, action plans, and management plans to minimize effects to these species from the project. The Permittee should also consider the development of appropriate monitoring for these species.

6. The Permittee shall follow procedures outlined in the "Safety in Bear Country Manual", and should contact the Regional/Area Biologist or the Wildlife manager for information and

advice on measures which should be taken to minimize the possibility of conflicts/interactions with bears or carnivores. Should the Permittee encounter carnivores, they are advised to contact the local or regional wildlife officers.

7. The Permittee shall ensure that aircraft pilots adhere to flight altitudes of greater than 610 m above ground level, unless there is a specific need for low-level-flying which does not disturb wildlife. Concentrations of caribou and calves should be avoided by low-level aircraft at all times.
8. The Permittee shall ensure that aircraft maintain a vertical distance of 1000m and a horizontal distance of 1500m from groups/flocks of birds.
9. The Permittee shall ensure that the drill sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.
10. The Permittee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
11. The Permittee shall not construct any camp, cache any fuel or conduct blasting within 10 km, or conduct any drilling operation within 5 km, of any “designated caribou crossing”. The regional biologist should be contacted for known crossings.
12. From May 15 to July 15, the Permittee shall cease activities that interfere with caribou migration or calving, such as the movement of equipment, drilling activities and ATV or snowmobile use until the caribou and their calves have vacated the area.
13. The Permittee shall ensure that during the presence of caribou and muskox within sight and sound of a camp that all personnel will remain quietly in camp.
14. The Permittee shall not conduct any activity associated with the land use operation if critical periods of wildlife cycles are observed (eg. caribou migration, calving, fish spawning or raptor nesting).
15. That the Permittee shall ensure that there is no hunting by employees of the company or any contractors hired unless proper Nunavut authorizations have been obtained.
16. The Permittee shall ensure that there is no fishing by employees of the company or any contractors hired unless proper permits are obtained.
17. The Permittee shall not feed wildlife.
18. The Permittee shall contact the Kitikmeot Regional Biologist to identify areas which should be avoided. Raptor nesting sites and concentrations of nesting or molting waterfowl should be avoided by aircraft at all times.

19. 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.
20. 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.
21. The Permittee shall not detonate explosives within fifteen (15) metres of any body of water which is not completely frozen to the bottom.

Archaeological Sites

1. The Permittee/ Licensee shall keep a distance of 30 meters away from the known archaeological sit within the project area (See attached letter from GN-CLEY). An archaeological site is defined as a site or work within the Nunavut Settlement Area of archaeological, ethnographical or historical importance, interest or significance or a place where an archaeological specimen is found, and includes explorers' cairns.
2. The Permittee/ Licensee shall follow all terms and conditions for the protection and restoration of archaeological and palaeontological resources as outlined by GN-CLEY in the attached letter.

Reclamation

1. The Permittee shall advise NIRB and the Land Use Inspector in writing at least 15 days prior to the completion of activities.
2. The Permittee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
3. The Permittee shall remove all empty barrels from its exploration sites as soon as possible in a progressive manner and shall ensure that all barrels are removed from the land by the end of each field season. Empty barrels shall be disposed of at an approved facility.
4. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
5. The Permittee shall undertake ongoing restoration for any land which is no longer required for the Permittee's operation on the land.
6. The Permittee shall plug or cap all bore holes and cut off any drill casings that remain above ground to ground level upon abandonment of the operation.

Other Recommendations

1. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
2. NIRB strongly advises proponents to consult with local residents regarding their activities in the region, and to do community consultation on the project to keep the communities informed.
3. NIRB would like to encourage the proponent to continue baseline monitoring.
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 ___ May 15, 2006 ___ at Cambridge Bay, NU



Elizabeth Copland, A/Chairperson



SCREENING DECISION REPORT
NIRB FILE NO.: 08EA084

INAC File No.: N2006C0008

KIA File No.'s: KTL304C017, KTL304C018,
KTL204C012, KTL204C020 & KTL107C018

NWB File No.'s: 2BE-GOO0510 & 2BE-GEO0210

March 3, 2009

Honourable Chuck Strahl
Minister of Indian and Northern Affairs Canada
Indian and Northern Affairs Canada
Gatineau, QC

Via email: strahl.c@parl.gc.ca

Re: Screening Decision for Dundee Precious Metals Inc.'s "Beechey Lake Area Mineral Exploration" project proposal, NIRB File No. 08EA084

Dear Honourable Minister:

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.

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.
-

NIRB ASSESSMENT AND DECISION

After a thorough assessment of all material provided to the Board (please see *Procedural History* and *Project Activities* in **Appendix A**), in accordance with the principles identified within Section 12.4.2 of the NLCA, the decision of the Board as per Section 12.4.4 of the NLCA 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.

RECOMMENDED PROJECT-SPECIFIC TERMS AND CONDITIONS (pursuant to Section 12.4.4(a) of the NLCA)

The Board is recommending the following or similar project-specific terms and conditions be imposed upon the Proponent through all relevant legislation:

General

1. Dundee Precious Metals Inc. (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits obtained and required for this project to the Nunavut Impact Review Board (NIRB) prior to the commencement of the project.
3. The Proponent shall operate in accordance with all commitments stated in correspondence provided to Indian and Northern Affairs Canada (INAC Land Use Amendment and Extension Application, December 9, 2008) and the NIRB as follows:
 - a. NIRB Part 1 form (January 22, 2009), including non-technical summary (January 26, 2009)
 - b. NIRB Part 2 form, (January 22, 2009)
 - c. Abandonment and Restoration Plan (January 22, 2009)
 - d. Spill Contingency Plan (January 22, 2009)
 - e. Correspondence with additional information and maps (January 29, 2009)
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

Water

5. The Proponent shall not extract water from any fish-bearing waterbody unless the water intake hose is equipped with a screen of appropriate mesh size to ensure that there is no entrapment of fish. Small lakes or streams shall not be used for water withdrawal.
6. The Proponent shall not use water, including constructing or disturbing any stream, lakebed or the banks of any definable water course unless approved by the Nunavut Water Board.

Waste

7. The Proponent shall incinerate all combustible wastes daily, and remove the ash from incineration activities and non-combustible wastes from the project site to an approved facility for disposal.
8. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of. All wastes shall be kept inaccessible to wildlife at all times.

9. The Proponent shall ensure that the disposal of combustible camp wastes comply with the *Canadian Wide Standards for Dioxins and Furans*, and the *Canadian Wide Standards for Mercury*.

Fuel and Chemical Storage

10. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty-one (31) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment.
11. The Proponent shall store all fuel and chemicals in such a manner that they are inaccessible to wildlife.
12. The Proponent shall inspect and document the condition of all large fuel caches (in excess of 20 drums) on a weekly basis.
13. The Proponent shall ensure that appropriate spill kits are located at every fuel cache.
14. The Proponent shall remove and treat hydrocarbon contaminated soils on site or transport them to an approved disposal site.
15. The Proponent shall ensure that all on site personnel are properly trained in fuel and hazardous waste handling procedures as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130

Wildlife

16. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
17. The Proponent shall not harass wildlife. This includes persistently worrying or chasing animals, or disturbing large groups of animals. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
18. The Proponent shall not touch, feed or entice wildlife to approach by holding out or setting out decoys or any such devices, foodstuffs or bait of any kind.
19. The Proponent shall restrict aircraft/helicopter activity related to the project to a minimum altitude of 610 metres above ground level unless there is a specific requirement for low-level flying, which does not disturb wildlife and migratory birds.
20. The Proponent shall ensure that aircraft maintain a vertical distance of 1000 metres and a horizontal distance of 1500 metres from any observed groups (colonies) of migratory birds.
21. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.
22. The Proponent shall not disturb or destroy the nests or eggs of any birds. If nests are encountered and/or identified, the Proponent shall take precaution to avoid further interaction and or disturbance.
23. The Proponent shall cease activities that may interfere with migration or calving of caribou or muskoxen, until the caribou or muskoxen have passed or left the area.
24. The Proponent shall not block or cause any diversion to caribou migration, and shall cease activities likely to interfere with migration such as airborne geophysics surveys, drilling or movement of equipment or personnel until such time as the caribou have passed.
25. The Proponent shall not construct, or operate any camp, or cache any fuel, near paths or crossings frequented by caribou.
26. The Proponent shall take all possible measures to avoid wildlife encounters. Any problem wildlife should be reported immediately to the Government of Nunavut, Department of Environment.

27. The Proponent shall ensure all project staff are trained in appropriate bear/carnivore detection and deterrent techniques. It is recommended the Proponent review the safety precautions contained within “*Safety in Grizzly and Black Bear Country*” which can be downloaded from the following link: <http://www.nwtwildlife.com/Publications/safetyinbearcountry/safety.htm>

Physical Environment

28. The Proponent 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. The Proponent shall suspend overland travel of equipment or vehicles if rutting occurs.
29. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

Drilling on Land

30. The Proponent shall not conduct any land based drilling or mechanized clearing within thirty-one (31) metres of the normal high water mark of a water body.
31. The Proponent shall not allow any drilling wastes to spread to the surrounding lands or water bodies.
32. If an artesian flow is encountered, the Proponent shall ensure the drill hole is immediately plugged and permanently sealed.
33. The Proponent shall ensure that all drill areas are constructed to facilitate minimizing the environmental footprint of the project area. Drill areas should be kept orderly with garbage removed daily to an approved disposal site.
34. The Proponent shall ensure that all sump/depression capacities are sufficient to accommodate the volume of waste water and any fines that are produced. The sumps shall only be used for inert drilling fluids, and not any other materials or substances.
35. The Proponent shall not locate any sump within thirty-one (31) metres of the normal high water mark of any water body. Sumps and areas designated for waste disposal shall be sufficiently bermed or otherwise contained to ensure that substances do not enter a waterway unless otherwise authorized.
36. The Proponent shall ensure all drill holes are backfilled or capped at the end of the project. The Proponent shall backfill and restore all sumps to match the natural environment prior to the end of project.

Drilling on Ice

37. If drilling on lake ice, the Proponent shall ensure that any return water is non-toxic, and will not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment (CCME) Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).
38. The Proponent shall ensure that drill muds and additives are not used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the water, or demonstrated to be non-toxic.
39. The Proponent shall ensure that all drill cuttings are removed from ice surfaces at the end of each day.

Camp

40. The Proponent shall not erect camps or store material on the surface ice of lakes or streams.

Restoration

41. The Proponent shall remove all garbage, fuel and equipment upon abandonment.

42. The Proponent shall complete all clean-up and restoration of the lands used prior to the end of each field season.

Other

43. The Proponent should, to the extent possible, hire local people and to consult with local residents regarding their activities in the region.

44. Any activity related to this application, and outside the original scope of the project as described in the application, will be considered a new project and should be submitted to the NIRB for Screening.

Monitoring and Reporting Requirements

In addition, the Board is recommending the following:

1. The Proponent shall maintain a record of wildlife observations while operating within the project area. The reports should include locations (i.e., latitude and longitude), species, number of animals, a description of the animal activity, and a description of the gender and age of animals if possible. Prior to conducting project activities, the Proponent should map the location of any sensitive wildlife sites such as denning sites, calving areas, caribou crossing sites, and raptor nests in the project area, and identify the timing of critical life history events (i.e., calving, mating, denning and nesting). Additionally, the Proponent should indicate potential impacts from the project, and ensure that operational activities are managed and modified to avoid impacts on wildlife and sensitive sites.

A copy of this wildlife record or report should be submitted annually at the end of the operational season to the following Government of Nunavut (Department of Environment) contacts:

- a. Dustin Fredlund, Wildlife Manager, (867) 982-7441 or dfredlund@gov.nu.ca
- b. Allen Niptanatiak, Conservation Officer, (867) 982-7451 or kugwildlife2@qiniq.com
- c. Mathieu Dumond, Regional Biologist, (867) 982-7444 or mdumond@gov.nu.ca

2. The Proponent shall update its Spill Contingency Plan to include the up to date emergency contact numbers for the Government of Nunavut-Department of Environment (867-975-7700) and the Manager of Pollution Control and Air Quality (867-975-7748). In addition, remove Cindy Parker as the Environment Canada contact in Section 7.1.

Other NIRB Concerns and Recommendations

Please note that some components/activities associated with the current project proposal may have been screened previously by the NIRB under the following file numbers: 02EN013, 02EN021, 06QN027, 06QN028 and 06EN033. While information from these files were considered in the current screening, the NIRB noted that certain activities previously screened under these file numbers were not included in the current project proposal. These previous activities include quarry activities (06QN027, 06QN028) and winter haul roads (06QN027, 06QN028). If the proponent wishes to conduct any of these other activities in the future, the NIRB recommends that new applications be completed and forwarded to the appropriate authorizing agencies for review and to the NIRB for screening.

In addition to the project-specific terms and conditions, the Board is recommending the following:

General

All Authorizing Agencies shall notify the NIRB of any changes in operating plans or conditions associated with this project prior to any such change.

Indian and Northern Affairs Canada

Indian and Northern Affairs Canada (INAC) impose mitigation measures, conditions and monitoring requirements pursuant to the Federal Land Use Permit, which require the Proponent to respect the sensitivities and importance of the area. These mitigation measures, conditions and monitoring requirements should be in regard to the location and area; type, location, capacity and operation of facilities; use, storage, handling and disposal of chemical or toxic material; wildlife and fisheries habitat; and petroleum fuel storage.

INAC should also consider the importance of conducting regular Land Use Inspections, pursuant to the authority of the Federal Land Use Permit, while the project is in operation. The Land Use Inspections should be focused on ensuring the Proponent is in compliance with the conditions imposed through the Federal Land Use Permit.

Regulatory Requirements

The Proponent is also advised that the following legislation may apply to the project:

1. The Proponent is advised that the *Canadian Environmental Protection Act* (<http://laws.justice.gc.ca/en/C-15.31/>) lists calcium chloride (CaCl) as a toxic substance. The Proponent should assess alternatives (including biodegradable and non-toxic) to drill additives prior to the use of CaCl and try to avoid the use of CaCl.
2. The *Fisheries Act* (<http://laws.justice.gc.ca/en/showtdm/cs/F-14///en>).
3. The *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (<http://www.canlii.org/ca/sta/n-28.8/whole.html>).
4. The *Migratory Birds Convention Act* and *Migratory Birds Regulations* (<http://laws.justice.gc.ca/en/showtdm/cs/M-7.01>).
5. The *Species at Risk Act* (<http://laws.justice.gc.ca/en/showtdm/cs/S-15.3>). Attached in **Appendix B** is a list of Species at Risk in Nunavut.
6. The *Nunavut Wildlife Act* which contains provisions to protect and conserve wildlife and wildlife habitat, including specific protection measures for wildlife habitat and species at risk.
7. The *Nunavut Act* (<http://laws.justice.gc.ca/en/showtdm/cs/N-28.6>). The Proponent must comply with the proposed terms and conditions listed in the attached **Appendix C**.
8. The *Transportation of Dangerous Goods Regulations*, *Transportation of Dangerous Goods Act* (<http://www.tc.gc.ca/tdg/menu.htm>), and the *Environmental Protection Act* (<http://laws.justice.gc.ca/en/C-15.31/text.html>) The Proponent must ensure that proper shipping documents accompany all movements of dangerous goods. The Proponent must register with the GN-DOE Manager of Pollution Control and Air Quality at 867-975-7748.

Validity of Land Claims Agreement

Section 2.12.2

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

Dated March 3rd, 2009 at Sanikiluaq, NU.



Lucassie Arragutainaq, A/Chair

Appendix A Procedural History and Project Activities

Procedural History

On December 9, 2008 the Nunavut Impact Review Board (NIRB or Board) received an application for a Land Use Permit extension and amendment for Dundee Precious Metals Inc.'s (Dundee) "Beechey Lake Area Mineral Exploration" project from Indian and Northern Affairs Canada (INAC). The NIRB assigned this project proposal file number 08EA084. The project is located in the Kitikmeot region and does not require a conformity determination from the Nunavut Planning Commission.

After undertaking a preliminary completeness check, the NIRB determined that Dundee's project proposal did not contain sufficient information for the NIRB to conduct an environmental screening. On December 17, 2008 the NIRB sent formal correspondence to Dundee, requesting submission of the required information by January 6, 2009. In email correspondence to NIRB dated January 5, 2009, Dundee requested an extension to the deadline for providing the requested information, to January 21, 2009. The NIRB deemed this request reasonable and subsequently granted the extension.

On January 16, 2009, the NIRB requested additional time from the Minister of INAC to complete the screening of this project proposal. By January 26, 2009, Dundee provided all the required information for the NIRB to conduct the environmental screening.

This application was distributed to the communities of Bathurst Inlet, Cambridge Bay, Gjoa Haven and Taloyoak, to interested Federal and Territorial Agencies, and Inuit Organizations. NIRB requested that interested Parties review the application and provide NIRB with comments by February 23, 2009 regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic and socio-economic effects; and if so, why;
- Whether the project is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (please provide any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

On or before February 24, 2009, NIRB received comments from the following interested Parties (see Comments and Concerns):

- Government of Nunavut, Department of Culture, Language, Elders and Youth (GN-CLEY)
- Environment Canada (EC)
- Kitikmeot Inuit Association (KIA)
- Government of Nunavut, Department of Environment (GN-DoE)

All comments provided to NIRB regarding this project proposal can be viewed on NIRB's ftp-site, at the following location: <http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/>

Project Activities

The project is located in the Kitikmeot region approximately 160 kilometre (km) south-south east of the community of Bathurst Inlet and approximately 400 km south of Cambridge Bay. The proposed project activities include mining exploration on claims within the Back River Area on both Crown Land and Inuit Owned Land (IOL). The claims will include the "Wishbone" area, (Wishbone, Del Lake, Lovechild,

Mahna Mahna, and Malley claims) and the “Core Properties” area (Goose Lake, George Lake, Boot Lake and Boulder Pond claims).

Exploration activities are proposed to occur March 1, 2009 to September 30, 2009 and continue in 2010. Dundee proposes to prospect areas to the north and south of the “Wishbone” area in 2009, once the areas have been awarded and appropriately defined by the Mining Recorder. These claim areas will be considered as part of the “Wishbone” area. Potential drilling may follow in 2010 or 2011 in these areas.

The project activities include:

- Base metal mineral exploration; including prospecting, sampling, soil sampling, exploration trenching, diamond drilling (on land and on ice), and air and ground geophysics.
- Use of existing Goose Lake Camp site as the base of operations, with maximum capacity of 80 personnel.
- Helicopter assisted drill program, including daily transportation of field crew to drill sites.
- Potential use of snowmachines around the Goose Lake area.
- Temporary storage of small fuel caches (up to 19 drums each) throughout the area to support exploring activities.
- Fuel storage at Goose Lake (6 bulk tanks) and George Lake (2 bulk tanks). Drummed fuel stored at George Lake.
- Storage of chemicals and hazardous materials at site.
- Water use for drilling purposes and camp use.
- Sewage, greywater and waste production related to camp operation.
- Incineration of sewage and combustible waste.
- Use of Goose Lake for site access via charter aircrafts. In winter, an ice-strip will be used on Goose Lake.
- Potential use of esker strip at George Lake camp or gravel strip northwest of Goose Lake during breakup period in spring.

Appendix B
SPECIES AT RISK IN NUNAVUT

This list includes species listed on one of the Schedules of SARA (*Species at Risk Act*) and under consideration for listing on Schedule 1 of SARA. These species have been designated as at risk by COSEWIC (Committee on the Status of Endangered Wildlife in Canada). This list may not include all species identified as at risk by the Territorial Government.

- Schedule 1 is the official legal list of Species at Risk for SARA. SARA applies to all species on Schedule 1. The term “listed” species refers to species on Schedule 1.
- Schedule 2 and 3 of SARA identify species that were designated at risk by the COSEWIC prior to October 1999 and must be reassessed using revised criteria before they can be considered for addition to Schedule 1.
- Some species identified at risk by COSEWIC are “pending” addition to Schedule 1 of SARA. These species are under consideration for addition to Schedule 1, subject to further consultation or assessment.

Schedules of SARA are amended on a regular basis so it is important to periodically check the SARA registry (www.sararegistry.gc.ca) to get the current status of a species.

Updated: January 3, 2007

Species at Risk	COSEWIC Designation	Schedule of SARA	Government Organization with Lead Management Responsibility ¹
Eskimo Curlew	Endangered	Schedule 1	EC
Ivory Gull	Endangered ²	Schedule 1	EC
Peregrine Falcon (subspecies <i>anatum</i>)	Threatened	Schedule 1	Government of Nunavut
Ross’s Gull	Threatened	Schedule 1	EC
Harlequin Duck (Eastern population)	Special Concern	Schedule 1	EC
Felt-leaf Willow	Special Concern	Schedule 1	Government of Nunavut
Peregrine Falcon (subspecies <i>tundrius</i>)	Special Concern	Schedule 3	Government of Nunavut
Short-eared Owl	Special Concern	Schedule 3	Government of Nunavut
Fourhorn Sculpin	Special Concern	Schedule 3	DFO
Peary Caribou	Endangered ³	Pending	Government of Nunavut
Beluga Whale (Eastern Hudson Bay population)	Endangered	Pending	DFO
Beluga Whale (Cumberland Sound population)	Threatened	Pending	DFO
Beluga Whale (Western Hudson Bay population)	Special Concern	Pending	DFO

Beluga Whale (Eastern High Arctic – Baffin Bay population)	Special Concern	Pending	DFO
Bowhead Whale (Hudson Bay-Foxe Basin population)	Threatened ⁴	Pending	DFO
Bowhead Whale (Davis Strait-Baffin Bay population)	Threatened ⁴	Pending	DFO
Porsild's Bryum	Threatened	Pending	Government of Nunavut
Atlantic Walrus	Special Concern	Pending	DFO
Narwhal	Special Concern	Pending	DFO
Rusty Blackbird	Special Concern	Pending	Government of Nunavut
Barren-ground Caribou (Dolphin and Union population)	Special Concern ³	Pending	Government of Nunavut
Grizzly Bear	Special Concern	Pending	Government of Nunavut
Polar Bear	Special Concern	Pending	Government of Nunavut
Wolverine (Western Population)	Special Concern	Pending	Government of Nunavut

¹ Environment Canada has a national role to play in the conservation and recovery of Species at Risk in Canada, as well as responsibility for management of birds described in the Migratory Birds Convention Act (MBCA). Day-to-day management of terrestrial species not covered in the MBCA is the responsibility of the Territorial Government. Populations that exist in National Parks are also managed under the authority of the Parks Canada Agency. EC = Environment Canada, DFO = Department of Fisheries and Oceans

² Designated as Endangered by COSEWIC in April 2006 and it is expected that the category of concern in SARA will also be changed from Special Concern to Endangered.

³ Peary Caribou was split into three separate populations in 1991: Banks Island (Endangered), High Arctic (Endangered) and Low Arctic (Threatened) populations. The Low Arctic population also included the Barren-ground Caribou - Dolphin and Union population. In May 2004 all three population designations were de-activated, and the Peary Caribou, Rangifer tarandus pearyi, was assessed separately from the Barren-ground Caribou (Dolphin and Union population), Rangifer tarandus groenlandicus. The subspecies pearyi is composed of a portion of the former "Low Arctic population" and all of the former "High Arctic" and "Banks Island" populations, and it was designated Endangered in May 2004. Although SARA lists Peary Caribou on Schedule 2 as three separate populations, the most current designation is the COSEWIC designation of the subspecies pearyi as Endangered.

⁴ The "Eastern and Western Arctic populations" of Bowhead Whale were given a single designation of Endangered in April 1980 by COSEWIC. These were split into two populations to allow separate designations in April 1986. The Eastern population was not re-evaluated in April 1986, but retained the Endangered status of the original "Eastern and Western Arctic populations". The Eastern Arctic population was further split into two populations (Hudson Bay-Foxe Basin population and Davis Strait-Baffin Bay population) in May 2005, and both these populations were designated as Threatened. Both these populations are under consideration for addition to Schedule 1. Although SARA lists the Eastern Arctic population as Endangered (Schedule 2), the most current designation is the COSEWIC designations of the Hudson Bay-Foxe Basin and Davis Strait-Baffin Bay populations as Threatened.

Appendix C
Archaeological and Palaeontological Resources Terms and Conditions for Land Use Permit Holders



BACKGROUND: Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

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. [33.2.1]

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. [33.2.2]

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 Claims Agreement. [33.2.5]

BACKGROUND: Palaeontology

Under the Nunavut Act¹, the federal Government can make regulations for the protection, care and preservation of palaeontological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*², it is illegal to alter or disturb any palaeontological site in Nunavut unless permission is first granted through the permitting process.

¹ s. 51(1)
² P.C. 2001-1111 14 June, 2001

Definitions

As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*, the following definitions apply:

“archaeological site” means a place where an archaeological artifact is found.

“archaeological artifact” means any tangible evidence of human activity that is more than 50 years old and in respect of which an unbroken chain of possession or regular pattern of usage cannot be demonstrated, and includes a Denesuline archaeological specimen referred to in section 40.4.9 of the Nunavut Land Claims Agreement.

“palaeontological site” means a site where a fossil is found.

“fossil” includes:

- (a) natural casts
- (b) preserved tracks, coprolites and plant remains; and
- (c) the preserved shells and exoskeletons of invertebrates and the eggs, teeth and bones of vertebrates.

Terms and Conditions

- 1) The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.
- 2) The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.
- 3) The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.
- 4) The permittee shall immediately cease any activity that disturbs an archaeological or palaeontological 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, Government of Nunavut.
- 5) The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.
- 6) The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.
- 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 artifacts, and palaeontological sites and fossils.

- 8) The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.
- 9) The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:
 - a. survey
 - b. inventory and documentation of the archaeological or palaeontological resources of the land use area
 - c. assessment of potential for damage to archaeological or palaeontological sites
 - d. mitigation
 - e. marking boundaries of archaeological or palaeontological sites
 - f. site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.

SCREENING DECISION

April 1, 2004

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

Dear Mr. Chairperson:

**RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:
NIRB: #04EN012 NWB: #NWB2HAK
Mineral Exploration – Sabina Resources Ltd.**

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 reflect the primary objectives of the Land Claims Agreement. Our considerations in making this decision included:

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

Terms and Conditions:

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

Drill Sites

1. The Licensee shall not conduct any land based drilling within thirty (30) metres of the normal high water mark of a water body.
2. The Licensee shall ensure, for "on-ice" drilling, return water released must be non-toxic, and not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministries for the Environment Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10mg/L for lakes with background levels under 100mg/L, or 10% for those above 100mg/L).
3. The Licensee shall not use drilling muds or additives in connection with drill holes unless they are re-circulated or contained such that they do not enter the water, or are certified to be non-toxic.
4. The Licensee shall ensure that any drill cuttings and waste water that cannot be re-circulated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody or removed to appropriate disposal location.
5. The Licensee 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.
6. The Licensee 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 Licensee shall not locate any sump within thirty (30) metres of the normal high water mark of any water body.
8. The Licensee shall not deposit nor permit the deposit of slash, debris or sediment into any waterbody. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
9. The Licensee 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.
10. The Licensee 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.
11. If the drilling requires water in sufficient volume that the source waterbody may be drawn down details must be submitted (volume required, size of waterbody, etc.) to DFO-FHM for review. DFO-FHM does not recommend the use of streams as a water source.

Water

12. The Licensee 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.

Fuel and Chemical Storage

13. The Licensee shall ensure that fuel storage containers are not located within thirty (30) metres of the ordinary high water mark of any body of water.
14. The Licensee 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.
15. Fuel storage shall either be equipped with secondary containment and other hazardous materials should be located in such a manner as to prevent their release into the environment.
16. The Licensee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
17. The Licensee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be prepared immediately.
18. The Licensee shall seal all container outlets except the outlet currently in use.
19. The Licensee shall mark all fuel containers with the Licensee's name.
20. The Licensee shall dispose of all combustible waste petroleum products by incineration and removal from the site.
21. The Licensee shall ensure all activities, including maintenance procedures and refueling, should be controlled to prevent the entry of petroleum products or other deleterious substances into the water.
22. The Licensee shall have an approved emergency response and spill contingency plans in place prior to the commencement of the operation.
23. The Licensee shall immediately report all spills of petroleum and hazardous chemicals to the twenty-four (24) hour spill report line at (867) 920-8130.

Waste Disposal

24. The Licensee 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.
25. The Licensee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the license.
26. The Licensee shall incinerate all combustible and food wastes daily.
27. The Licensee shall keep all garbage and debris in a covered metal container until disposed of.
28. The Licensee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.
29. The Licensee shall deposit all scrap metal, discarded machinery and parts, barrels and kegs, at an approved disposal site.

Wildlife

30. The Licensee shall ensure that there is no damage to wildlife habitat in conducting this operation.
31. The Licensee shall not feed wildlife.
32. The Licensee shall use the latest bear detection and deterrent techniques to minimize man-bear interactions and shall report any Man-Bear Interactions to the nearest Wildlife Officer.
33. The Licensee shall ensure that the drill sites avoid known environmentally sensitive areas (denning, nesting etc.) by a minimum of 250 metres.
34. The Licensee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
35. The Licensee shall cease activities that may interfere with migration or calving, such as airborne geophysics surveys or movement of equipment, drilling activities until the caribou and their calves have vacated the area.
36. The Licensee shall not conduct any activity associated with the land use operation during critical periods of wildlife cycles (eg. caribou migration, calving, fish spawning or raptor nesting).
37. That the Licensee shall ensure that there is no hunting by employees of the company or any contractors hired.
38. The Licensee 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.
39. The Licensee 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.
40. 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

41. The Licensee shall ensure that the land use area is kept clean and tidy at all times.

42. The Licensee shall prepare the site in such a manner as to prevent rutting of the ground surface.
43. The Licensee shall not do anything that will cause erosion of the banks of any body of water on or adjacent to the land and shall provide necessary controls to prevent such erosion.
44. The Licensee shall be required to undertake any corrective measures in the event of any damage to the land or water as a result of the Licensee's operation.
45. The Licensee shall not remove any material from below the ordinary high water mark of any waterbody.
46. The Licensee shall adopt such measures as required to control erosion by surface disturbance. 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.
47. The Licensee 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.
48. The Licensee shall suspend overland travel of equipment or vehicles if rutting occurs.

Structure & Storage Facilities

49. The Licensee shall not erect structures or store material on the surface ice of lakes or streams.
50. The Licensee shall locate all structures and storage facilities on gravel, sand or other durable land.

Reclamation

51. The Licensee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
52. The Licensee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
53. The Licensee shall plug or cap all bore holes and cut off any drill casings that remain above ground to ground level upon abandonment of the operation.

Other Recommendations

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

Albert Ehaloak, A/Chairperson

ATTACHMENT 5 - SUMMARY OF ENVIRONMENTAL REPORTS AND STUDIES

Hackett River Project - Environmental Reports and Studies

The following baseline studies have been collected for this project and available upon request:

- Department of Indian and Northern Affairs, Water Management Section, Bathurst Norsemines (Hackett River), Potential Mine Water Quality Survey Network, Report Series, 1974 By: D. Sutherland, J. McLaren
- Northwest Territories Water Board, Department of Indian and Northern Development, Bathurst Norsemines Hackett River, Potential Mine Water Quality Survey Network, Report Series, 1975 By D.J. Sutherland
- Geochemical Dispersion over Massive Sulphides within the Zone of Continuous Permafrost, Bathurst Norsemines, District of Mackenzie, N.W.T. by J. K. Millar, The University of British Columbia, December, 1978.

The following baseline studies were conducted and prepared by Gartner Lee for Sabina Silver Resources:

- Baseline Water Quality Monitoring Program at Hackett River Project, December 6, 2004
- 2005 Baseline Water Quality Monitoring Program – Hackett River Project, October, 2005
- 2006 Baseline Preliminary Options of the Road Route Options from Hackett River Camp to the BIPAR Road, November, 2006.
- 2006 Baseline Water Quality Monitoring Program at Hackett River Project, November, 2006.

The following baseline studies were conducted and prepared by Rescan Environmental Services Inc. for Sabina Silver Corporation:

- 2007 Hydrology Baseline Report, Hackett River Project, January 2008
- 2007 Aquatic Baseline Report, Hackett River Project, April 2008
- 2007 Fish Habitat and Fish Community Baseline Report, Hackett River Project, June 2008
- 2007 Wildlife Baseline Report, Hackett River Project, March 2008
- 2007 Meteorology and Permafrost Baseline Report, Hackett River Project, March 2008
- Hackett River Project - Predicted Minesite-Drainage, Chemistry and Acid Rock Drainage - Phase 1, March 2008
- 2007 Archaeology Baseline Report, Hackett River Project, April 2008
- 2007 Soil Baseline Report, Hackett River Project, June 2008
- 2007 Ecosystem Mapping and Vegetation Baseline Report, Hackett River Project, September 2008
- 2008 Hydrology Baseline Report, Hackett River Project, October 2008
- 2008 Freshwater Water Quality Baseline Report, Hackett River Project, January 2009
- 2008 Wildlife Baseline Report, Hackett River Project, November 2008
- 2008 Meteorology and Permafrost Baseline Report, Hackett River Project, December 2008
- Preliminary Wind Resource Analysis for the Hackett River Project, August 2008
- Historical and Traditional Knowledge in the Hackett River Study Area, January 2009
- Metal Leaching/Acid Rock Drainage Characterization, January 2010
- Hackett River Project Archaeological Review, May 2010

- 2010 Fish and Fish Habitat Baseline Report, December 2010
- 2009 and 2010 Meteorology Data Report, May 2011
- 2010 Caribou and Muskox Baseline Report, May 2011

Several additional studies in support of baseline characterization were completed in 2012 and partial studies completed in 2013 by Rescan Environmental Services Inc. an ERM Company for Xstrata Zinc Canada, however final reports were not issued. The studies were completed for each of the following disciplines:

- Meteorology
- Surface Water Hydrology
- Hydrogeology
- Geochemistry
- Wetlands
- Terrestrial Ecosystems and Vegetation
- Aquatic Resources
- Fish and Fish Habitat
- Wildlife
- Archeology

ATTACHMENT 6 - PLAIN LANGUAGE SUMMARIES

Plain Language Summary

Renewal of Type B Water Licence 2BE-HAK2126

The Hackett River Project (Project) is located in the West Kitikmeot region of Nunavut. The property is situated on Crown Land and on Inuit-Owned Land approximately 300 km south of Cambridge Bay and 80 km southwest of Bathurst Inlet. The Project is owned and operated by Glencore Canada Corporation. The Project includes operation of a seasonal camp and an airstrip (on ice in winter, on land in summer). The Project is currently in care and maintenance, however an exploration program may be conducted during the proposed water licence renewal term including operation of diamond drills. During care and maintenance progressive reclamation and camp clean-up has and will continue to be undertaken by Glencore during the summer months. Should exploration drilling activities resume, activities and infrastructure will be the same as previously undertaken and authorized. During exploration it is expected that environmental studies related to the proposed mine development would also take place.

As the current Hackett River Project exploration water licence (2BE- HAK2126) with the Nunavut Water Board is expiring on March 31, 2026, Glencore is applying to renew the licence for another 5 years. This application for renewal is being submitted to the both the Nunavut Planning Commission and the Nunavut Water Board.

The scope of camp activities will not change from those authorized under the current licence, which are:

- Continued use of up to 299 m³ of Water daily: 30 m³/day for domestic purposes and 269 m³/day for on-land and on-ice drilling as well as for the construction of ice strips;
- Continuation of exploration work and related activities including drilling and environmental baseline studies;
- Continued operation of a land based and on-ice airstrip.
- Continued use of the existing camp infrastructure during care and maintenance and for future exploration work; and
- Progressive reclamation of the project site.

These activities have been previously evaluated by the Nunavut Impact Review Board and were determined to be exempt from further screening by the Nunavut Planning Commission on last renewal in 2021. There are no changes proposed to the licence as it currently exists.

Pitquhiligutaungittuq Nainaqhimayuq

Nutanguqnia Qanurittunia B Imaqmun Laisa 2BE-HAK2126

Tamna Hackett Kuugaq Havaguhia (Havaguhia) inilik tahamani Pingangnaani Kitikmeot avikhimianiani Nunavut. Tamna havakviuyuq inilik Quinguyup Nunaani tahamanilu Inuit-Nanminiriyat Nuna mikhaani 300 kilaamitat nigiani Ikaluktutiak tamnaluk 80 kilaamitat nigiat pingangnaani Kingaok. Tamna Havaguhia nanminiriyayuq aulatauyuq tapkunanga Glencore Kanata Kuapurisan. Tamna Havaguhia ilalik aulataunia ukiup ilaani hiniktaqvik tamnaluk tingmitinut milvik (hikumi ukiumi, nunami auyami). Tamna Havaguhia taty munariyayuq ihuaqhihimanialu, kihimik havikhaqhiurniq havaguta atuqtaulaq atuqtitlugu uktutayuq imaqmun laisa nutanguqnia hivitunikha ilautitlugu aulania qipariktut ikuutarutit. Atuqtitlugu munariyayuq ihuaqhihimanialu aturuiqpaliayut halumaqtiqni ilitquhiatutlu utiqtitni hiniktaqviklu halumaqtiqnia piyuq atuinaqniaqlu havariyaunia tapkunanga Glencore atuqtitlugu auyani tatqiqhiutit. Atuat havikhaqhiurniqmun ikuutarniq huliniit atulimikpat, huliniit havagutitlu ayyikutariniaqtai hivuani havariyayut pilaqtitauyutlu. Atuqtitlugu havikhaqhiurniq niriugiyayuq tamna avatiliqutit naunaiyaqni turangayut uktutayumun uyarakhiurniq pivaliatitni atuqtauniat.

Piplugutatya Hackett Kuugaq Havaguhia imaqmun laisa (2BE- HAK2126) tapkunanga Nunavut Imaliriyit Katimayit nungutniaq talvani Matyi 31, 2026, Glencore tukhiqtut nutanguqnianik tamna laisa hulivalliq 5 ukiunut. Una tukhiraat nutangurutikhamun tuniyayuq tamatkiknut tapkunanga Nunavut Parnaiyit Kamisan tapkuatlu Nunavut Imaliriyit Katimayit.

Tamna havaguhia hiniktaqvik huliniit allangulaittuq tahapkunanga pilaqtitauyut atuqhugu taty laisa, tapkuanguyut:

- Huli atuqnia tikitlugu 299 m³ tamna Imaq qau tamaat: 30 m³/ubluq inungnut piplugit tamnaluk 269 m³/ubluq nunami hikumilu ikuutarniq tamnaluttauq hanayaunia hikumi milviit;
- Atuinaqni havikhaqhiurniq havat turangayutlu huliniit ilautitlugit ikuutarniq avatiliqutitlu huniumaititlugit ilitquhi naunaiyainiq;
- Atuinaqni aulataunia nunamiittut hikumilu milviit;
- Atuinaqni tapkuat taty atuqtut hiniktaqvik havagutai atuqtitlugu munariyaunia ihuaqhihimanilu hivunikhamilu havikhaqhiurniq havat; tamnaluk
- Aturuiqpaliayut halumaqtiqni ilitquhiatut iliuqaqni havaguhia inaa.

Tahapkuat huliniit hivuani naunaiyaqtayut tapkunanga Nunavut Avatiliqiyit Katimayit naunaiqtayutlu aturiaqangitni naunaiyatqikhaqinut tapkunanga Nunavut Parnaiyit Kamisan kingulliqmi nutanguqtaunia talvani 2021. Piittuq allanguninik uktutaunia tamna laisa taty atuqtumi.

Résumé en langage clair

Renouvellement du permis d'utilisation des eaux de type B 2BE-HAK2126

Le projet Hackett River (le « Projet ») est situé dans la région de Kitikmeot Ouest, au Nunavut. La propriété est située sur des terres de la Couronne et des terres inuites, à environ 300 km au sud de Cambridge Bay et à 80 km au sud-ouest de Bathurst Inlet. Le projet est détenu et exploité par Glencore Canada Corporation. Il comprend l'exploitation d'un camp saisonnier et d'une piste d'atterrissage (sur la glace en hiver et sur terre en été). Le projet est actuellement en phase d'entretien et d'entretien, mais un programme d'exploration pourrait être mené pendant la période de renouvellement du permis d'utilisation des eaux, y compris l'exploitation de foreuses au diamant. Durant cette phase d'entretien et d'entretien, Glencore a entrepris et continuera d'entreprendre la remise en état progressive et le nettoyage du camp pendant les mois d'été. Si les activités de forage d'exploration reprennent, les activités et les infrastructures resteront les mêmes que celles entreprises et autorisées précédemment. Durant la phase d'exploration, des études environnementales liées au projet de développement minier devraient également être réalisées.

Le permis d'exploration des eaux du projet Hackett River (2BE-HAK2126) délivré par l'Office des eaux du Nunavut expirant le 31 mars 2026, Glencore demande son renouvellement pour cinq ans. Cette demande est soumise à la Commission d'aménagement du Nunavut et à l'Office des eaux du Nunavut.

La portée des activités du camp ne sera pas modifiée par rapport à celles permises par le permis actuel, à savoir :

- Utilisation continue d'un maximum de 299 m³ d'eau par jour : 30 m³/jour à des fins domestiques et 269 m³/jour pour le forage terrestre et sur glace, ainsi que pour la construction de bandes de glace
- Poursuite des travaux d'exploration et des activités connexes, y compris le forage et les études environnementales de base
- Poursuite de l'exploitation d'une piste d'atterrissage terrestre et sur glace
- Utilisation continue des infrastructures existantes du camp pendant les travaux d'entretien et d'entretien et pour les futurs travaux d'exploration ; et
- Remise en état graduelle du site du projet.

Ces activités ont déjà été évaluées par la Commission du Nunavut chargée de l'examen des répercussions et ont été jugées exemptées d'un examen plus approfondi par la Commission d'aménagement du Nunavut lors du dernier renouvellement en 2021. Aucun changement n'est proposé à la licence telle qu'elle existe actuellement.

ATTACHMENT 7 - PAYMENT OF NWB APPLICATION FEE AND DEPOSIT



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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

NWB File No: 2BE-HAK2126

October 30, 2025

Christine Saari
Glencore Canada Corporation
6900-100 King Street West PO Box 403
Toronto ON M5X 1E3

E-mail: christine.saari@glencore.ca

Re: Acknowledgement and Receipt of Application & Water Use Fee for Water Licence
2BE-HAK2126– Hackett Project

Dear Ms. Saari:

The Nunavut Water Board acknowledges receipt on October 29, 2025 of credit card information for application fee for water licence renewal and water use fee deposit for the above project. Your information for payment has been forwarded to Crown Indigenous Relations and Northern Affairs Canada in Iqaluit for processing. A receipt will be issued through their office for the following fees:

- Application fee \$30.00
- 2026 Water Use Fee deposit \$30.00

Please refer to the calculation for water use fees, in the Nunavut Waters Regulations, Section 12, to ensure that the correct fee has been submitted. A copy of this regulation is available from our ftp site or by contacting this office. This is an annual fee which is required to be submitted yearly on the anniversary of the issuance of your water licence. Please call the undersigned at (867) 360-6338 or e-mail licensing@nwb-oen.ca if you have any questions.

Sincerely,

Richard Dwyer
Manager Licensing

Cc: Margaret Mike, CIRNAC
Andrew Keim, CIRNAC



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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

CIRNAC Inspectors

ATTACHMENT 8 - TABLE OF LEASES AND AUTHORIZATIONS

Leases and Authorizations Related to Hackett River Project

Permit No.	Issuing Agency	Permit Name	Expiry
L-2893	CIRNAC		2041-07-11
L-2894	CIRNAC		2042-01-03
L-2895	CIRNAC		2042-01-03
L-2958	CIRNAC		2042-09-18
L-2964	CIRNAC		2043-01-14
L-3000	CIRNAC		2043-06-25
L-3017	CIRNAC		2043-09-14
L-3018	CIRNAC		2044-02-23
L-3176	CIRNAC		2027-06-13
L-2789	CIRNAC		2039-02-09
Surface Lease 76F16-2-2	CIRNAC	Hackett River Camp	2047-03-31
N2024C0002	CIRNAC	Hackett River Exploration	2029-01-12
KTL313C005	KIA	Core Storage	2026-05-11
2BE-HAK2126	NWB	Hackett River Water Licence	2026-03-31

ATTACHMENT 9 - CERTIFICATE OF NAME CHANGE

GLENCORE

October 9th, 2013

Cory Zyla
Technical Advisor
Nunavut Water Board
CP 119
Gjoa Haven (Nunavut), X0B 1J0

Cory,

Please be notified that effective July 31, 2013, Xstrata Canada Corporation changed its name to Glencore Canada Corporation.

Sincerely,



Robert Prairie
Director, Environment
Glencore
514-745-9357

c.c. Robin Ikkutisluuk
Phyllis Beaulieu

GLENCORE CANADA CORPORATION

CERTIFICATE

The undersigned, the duly appointed Assistant Secretary of Glencore Canada Corporation (the "Corporation") certifies that attached as Schedule "A" is a true and correct copy of the Corporation's Certificate and Articles of Amendment dated July 30, 2013 evidencing the change of name of Xstrata Canada Corporation to Glencore Canada Corporation.

DATED this 30th day of July, 2013.



Janice Fernandes
Assistant Secretary

SCHEDULE "A"

(Articles of Amendment dated July 30, 2013)

6. The amendment has been duly authorized as required by sections 168 and 170 (as applicable) of the *Business Corporations Act*.
La modification a été dûment autorisée conformément aux articles 168 et 170 (selon le cas) de la *Loi sur les sociétés par actions*.
7. The resolution authorizing the amendment was approved by the shareholders/directors (as applicable) of the corporation on
Les actionnaires ou les administrateurs (selon le cas) de la société ont approuvé la résolution autorisant la modification le

2013/07/22

(Year, Month, Day)
(année, mois, jour)

These articles are signed in duplicate.
Les présents statuts sont signés en double exemplaire.

XSTRATA CANADA CORPORATION

(Print name of corporation from Article 1 on page 1)
(Veuillez écrire le nom de la société de l'article un à la page une)

By/
Par :

(Signature)
(Signature)

Stephen K. Young

Corporate Secretary

(Description of Office)
(Fonction)

ATTACHMENT 10 - ENGAGEMENT RECORD

Glencore Hackett River Project Engagement Log - October 2025 - Water Licence Renewal

Date	Type	Reason for Engagement	Engagement From	Contacts	Related Groups	Summary
2025-10-02	call	Project update and notification of water licence renewal	Katsky Venter	Tannis Bolt	KIA	KV called TB and left voicemail re: brief update on Hackett River Project (HRP), ongoing care and maintenance activities, and upcoming application to renew Type B water licence without amendment. Noted that annual inspection and maintenance activities are outlined in Glencore's annual reports to the KIA for annual Land Use Licence renewal. TB noted no concerns, largely as the camp is located on land administered by CIRNAC. KV indicated Rob Davidson, who has been managing the project for 15+ years was also reaching out to the HTOs to provide similar update. KV offered to follow up with Tannis by email outlining what was discussed and offered that TB call/email if any questions.
2025-10-02	email	Project update and notification of water licence renewal	Katsky Venter	Tannis Bolt, Rob Davidson	KIA	KV followed up by email with TB to provide an update on HRP activities, continued Care and Maintenance, noted local hiring and continued sourcing of local services where opportunity to do so, and indicated upcoming expiry of Type B water licence and intent to file for renewal without amendment. Provided contact information if any further information wanted or any questions or concerns.
2025-10-07	call	Project update and notification of water licence renewal	Rob Davidson	Amanda Dumond	Kugluktuk HTO	RD called AD to provide an update on HRP activities, continued Care and Maintenance, noted local hiring and continued sourcing of local services where opportunity to do so, and indicated upcoming expiry of Type B water licence and intent to file for renewal without amendment. AD indicated interest in the update, thanks RD for the information, and did not have any questions or concerns. RD indicated he would follow up by email summarizing the update and to provide his contact info.
2025-10-07	email	Project update and notification of water licence renewal	Rob Davidson	Amanda Dumond	Kugluktuk HTO	RD followed up call with email to AD outlining what was discussed (update on HRP activities, continued Care and Maintenance, local hiring and continued sourcing of local services where opportunity to do so, upcoming expiry of Type B water licence and intent to file for renewal without amendment). RD also provided contact information for any further information wanted or any questions or concerns that come up.
2025-10-07	call	Project update and notification of water licence renewal	Rob Davidson	Alice	Cambridge Bay HTO	RD called Cambridge Bay HTO and spoke with Alice. RD provided an update on HRP activities, continued Care and Maintenance, noted local hiring and continued sourcing of local services where opportunity to do so, and indicated upcoming expiry of Type B water licence and intent to file for renewal without amendment. Alice expressed interest in the HRP activities, appreciation for the update, and did not have any questions or concerns. RD indicated he would follow up by email summarizing the update and to provide his contact info.
2025-10-07	email	Project update and notification of water licence renewal	Rob Davidson	Alice	Cambridge Bay HTO	RD followed up call with email to Alice outlining what was discussed (update on HRP activities, continued Care and Maintenance, local hiring and continued sourcing of local services where opportunity to do so, upcoming expiry of Type B water licence and intent to file for renewal without amendment) and his contact information in case of questions or concerns.

ATTACHMENT 11 – REPRESENTATIVE AUTHORIZATION

GLENCORE

October 27, 2025

Richard Dwyer
Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU
X0B 1J0

**Re: Authorization for Katsky Venter to act as Licensee Representative for Renewal of Water Licence
2BE-HAK2126**

Dear Richard or Whom it May Concern,

Please accept this letter as authorization for Katsky Venter or RainCoast Environmental Services Ltd. to work on behalf of Glencore Canada Corp. (Glencore) with respect to the renewal of Hackett River Project Water Licence 2BE-HAK2126.

Katsky's contact information is:

Katsky Venter
RainCoast Environmental Services Ltd.
221 Trincomali Hts, Salt Spring Island, BC, V8K 1M9
Phone: 250-538-2306
Katsky.venter@gmail.com

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,



Amanda Landriault

Glencore Canada Corporation
T: +1 438 337 4003
M: 1-438-337-4003
amanda.landriault@glencore.ca