

May 8, 2005

Dear Kitikmeot Distribution List

**Re: Your comments on this application.**

**NIRB#: 05YN071**

**Project: Dundee Precious Metals Inc., Back River**

**Proponent: Alison Smith**

Nunavut Impact Review Board has received an application for a Science Research near Back River. Please use NIRB file No. 05YN071 and the contact person listed below, in all future correspondence regarding this application.

The application documents are available through the internet on the NIRB ftp site at [www://ftp.nunavut.ca/nirb](http://ftp.nunavut.ca/nirb) in the folder "05YN071-Dundee Precious Metals Inc., Back River Alison Smith".

Please assess the project proposal for the potential effects on the ecosystemic and socio-economic environments, from your knowledge of the area or your field of expertise.

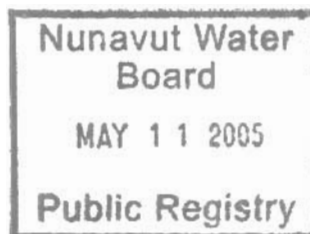
Please forward your comments and recommendations to NIRB by May 27, 2005, 1:00pm local time.

A comment form has been included with the package.

If you have any questions regarding the application, please do not hesitate to contact our office. Your input is greatly appreciated.

Yours truly,

Sylvia Novoligak  
Environmental Screener Trainee  
Phone (867) 983-4613  
Fax (867) 983-2574 or (867) 983-2594



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## COMMENT FORM FOR NIRB SCREENINGS

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

**Project Title:** Dundee Precious Metals Inc.

**Proponent:** Alison Smith

**Location:** Back River, Kitikmeot

**Comments Due By:** May 27, 2005

**NIRB #:** 05YN071

**Indicate your concerns about the project proposal below:**

- |   |   |
|---|---|
| <input type="checkbox"/> no concerns                      | <input type="checkbox"/> traditional uses of land               |
| <input type="checkbox"/> water quality                    | <input type="checkbox"/> Inuit harvesting activities            |
| <input type="checkbox"/> terrain                          | <input type="checkbox"/> community involvement and consultation |
| <input type="checkbox"/> air quality                      | <input type="checkbox"/> local development in the area          |
| <input type="checkbox"/> wildlife and their habitat       | <input type="checkbox"/> tourism in the area                    |
| <input type="checkbox"/> marine mammals and their habitat | <input type="checkbox"/> human health issues                    |
| <input type="checkbox"/> birds and their habitat          | <input type="checkbox"/> other: _____                           |
| <input type="checkbox"/> fish and their habitat           | _____   |
| <input type="checkbox"/> heritage resources in area       | _____   |

**Please describe the concerns indicated above:**

**Do you have any suggestions or recommendations for this application?**

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

**Name of person commenting:** \_\_\_\_\_ **of** \_\_\_\_\_

**Position:** \_\_\_\_\_ **Organization:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_



Nunavut Research Institute  
Nunavummi Qaujisaqtulirijikkut

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www.nunanet.com/~research

## SCIENTIFIC RESEARCH LICENCE APPLICATION

### (Land, Freshwater & Marine Based Research)

This application fulfills the requirements for NIRB environmental screening

<b>SECTION 1: APPLICANT INFORMATION</b>	
<b>1. Applicant's full name and mailing address:</b> Mrs. Alison Smith Golder Associates Ltd. #10000, 940-6 <sup>th</sup> Ave., Calgary AB, T2P 3T1	<b>Fax:</b> (403) 299-5606
	<b>Phone:</b> (403) 299-4643
	<b>E-mail:</b> alison_smith@golder.com
<b>2. Field Supervisor (address, if different from above):</b>  Nathan Schmidt Golder Associates Ltd. #300, 10525-170 St. Edmonton, AB, T5P 4W2  Chris Madland Golder Associates Ltd. 1000, 940-6 <sup>th</sup> Ave. S.W., Calgary AB, T2P 3T1	<b>Phone (radio or otherwise):</b>  (780) 483-3499  (403) 299-5600
<b>3. Other Personnel list (name and position):</b> Chris Madland – Air Quality Scientist Heidi Swanson – Aquatic Biologist Bernard Trevor - Hydrologist Unspecified Technical Golder Staff Unspecified local assistants (Umingmaktok / Bathurst Inlet / Cambridge Bay residents) <b>Total # of personnel: 1-2</b> <b>Total # of person days: 30</b>	

## SECTION 2: AUTHORIZATION NEEDED

4. List the organisations you will contact for necessary authorizations associated with the project. (See Appendix A & B):

Land Use Permit has been granted.

#### NON-TECHNICAL PROJECT PROPOSAL SUMMARY

- On a separate page, please include a non-technical description of the project proposal, no more than 300 words, in English & Inuktituk (Inuinaktun, if in the Kitikmeot). The project description should outline the project activities (research methods, camps, etc.) and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

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#### SECTION 4: MATERIAL USE

9. List equipment (including drills, pumps, aircrafts, etc.): not applicable

Equipment type and number	Size-dimensions	Proposed use

10. Detail fuel and hazardous materials use: not applicable

Fuels	Number of Containers	Capacity of Containers (gal & litres)
• Diesel		
• Gasoline		
• Aviation fuel		
• Propane		
• Other		
Hazardous Materials	Number of Containers/Concentration	Capacity of Containers (gal & litres)
•		
•		
•		

10. Describe method of fuel transfer:

Not applicable

11. Describe any procedures and materials in place to handle accidental spills. Please attach the spill contingency plan and other appropriate information about the hazardous materials associated with the proposed project.

Not applicable

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## SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

12. Describe amount and methods of disposal: not applicable

Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Sewage			
Grey water			
Garbage			
Overburden (organic soil, waste material, tailings)			
Hazardous waste:			
Other:			

## SECTION 6: RESTORATION AND ABANDONMENT PLANS

13. Describe or attach the proposed procedure for site restoration upon abandonment of any area associated with the project:

Not applicable

## SECTION 7: ENVIRONMENTAL IMPACT

14. Indicate and describe the components of the environment that are near the project area, as applicable. Attach any relevant maps or information:

Type of species (common name, associated herd, etc.)	Important Habitat Area (calving, staging, denning, migratory pathways, spawning, nesting, etc.)	Critical time periods (calving, post-calving, spawning, nesting, breeding, etc.)
Example:		
Fish:		
Caribou:	Migratory route for the Bathurst caribou herd	Spring and fall (May and September)
Muskox:		
Raptor:		
Migratory Birds:	Beechey Lake is a staging area for Canada geese	Spring
Waterfowl:		
Seals:		
Whales:		
Narwhals:		
Canid family (wolves, wolverines, foxes, etc.)		
Bears (grizzly, polar, black):		
Other:		
Eskers:		
Communities:	Approximately 80 km south of Bathurst Inlet	

15. Indicate and describe other known uses of the area such as local development, traditional use (hunting/fishing/spiritual), outfitting, tourism, mineral development, research, etc.:

The study area is presently being explored by Dundee Precious Metals Inc. to evaluate the potential for developing a gold mine. The area may also be used occasionally for hunting and fishing by residents of Umingmaktok, Bathurst Inlet, and Cambridge Bay.

16. Describe the impacts of the proposed project activity on the environmental components and uses, in the area listed above:

- Two meteorological monitoring stations will be set up near the existing exploration camps during late spring and remain in place until the end of the year. These stations are not expected to impact the environment.
- Several hydrological monitoring stations will also be set up in the Goose and George watersheds during late spring and will remain in place until September. These stations are not expected to impact the environment.

17. What are some suggested mitigation measures for these impacts?

Not applicable

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## *SECTION 8: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS*

18. List the community representatives that you have contacted about this proposed project:

Although Dundee (formerly owned by Miramar) did not contact the communities directly, an application of land use permit renewals was submitted to KIA and DIAND and this application was subjected to the NIRB screening process. The application was forwarded to the communities during the NIRB screening process.

19. Describe the level of involvement that the residents of Nunavut have had with respect to the proposed project. Elaborate on local employment opportunity, training programs, contracts, Inuit Impact Benefit Agreements (if applicable):

Local people (10 to 15) have been working on-site each year since April 2004 assisting with exploration activities.

20. Describe and attach documentation regarding community concerns or support for the proposed project:

There has been no negative feedback from the NIRB screening process for the land use permits.

21. Is there a Traditional Knowledge (TK) component to this research project? If yes, see Appendix C.

Traditional Knowledge will be incorporated once exploration results indicate that the project is feasible.

Applicant:

*Alis-Sark*

Fisheries Biologist

7 April 2005

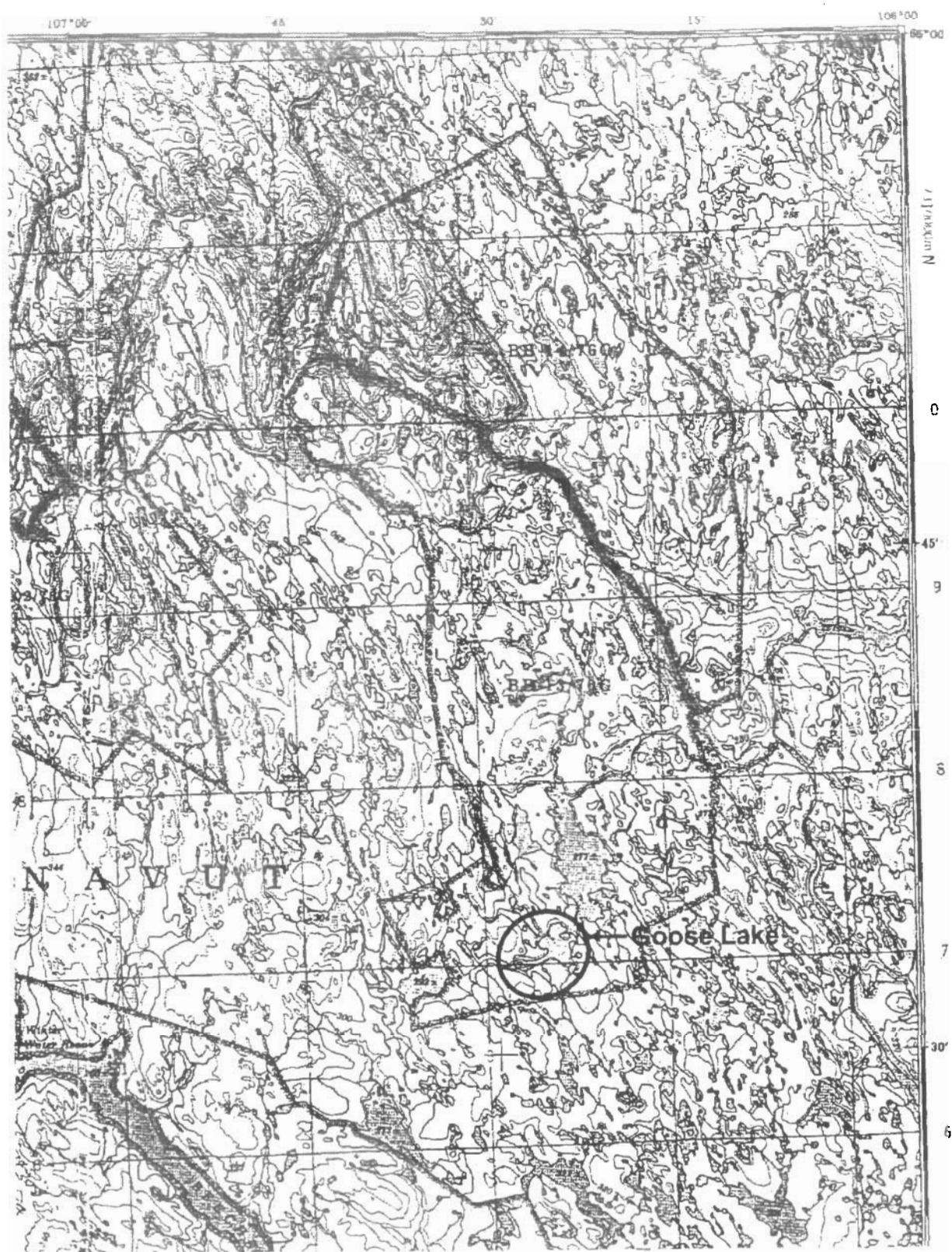
Signature

Title

Date

This is a detailed topographic map of a region in Alaska, centered around George Lake. The map features a grid with latitude and longitude coordinates. Key geographical features include George Lake, Kaula, and Lake. The map also shows various roads, trails, and other landmarks. The terrain is depicted with contour lines, indicating elevation changes. The map is oriented with North at the top.

oose Lake



## 8. Non-Technical Project Proposal Summary

Dundee Precious Metals Inc. is conducting mineral exploration for the Back River Project, which includes the Goose Lake and George Lake deposits in Nunavut. This exploration area (65°55'N; 107°25'W) is located approximately 550 km north-east of Yellowknife and 400 km south of Cambridge Bay. As part of the exploration, Dundee plans to collect baseline meteorological and hydrological data in the George and Goose lakes area, as well as collect water quality samples. One meteorological monitoring station will be setup at each of the two camps. Meteorological data will include: air temperature, winds, solar radiation, precipitation, and relative humidity. The results will be presented in an annual summary report. Hydrological stations will set up at the outlets of Goose and George lakes. A snow coarse survey will also be conducted as part of the hydrology baseline data. Water quality sampling will be conducted in the Goose and George drainage areas.

### Ilulinga 3

#### 8. Ayurnaqtulirinnginirmi Havaarvikkut Nainarhimayuq

Dundee Precious Metals Inc. akituyukhanik uyaqqanik nalvaarhiuliqtut Haningayurmi Havaarvitkunut, ilaganni Goose Lake-mi George Lake-milu uyagagiknirmi Nunavunmi.

Hamna nalvaarhiurvik ittuq nunauyami (65°55'N; 107°25'W) unгахиктилик Yallunaimit 550 kilometres-nik 400 kilometres-tauq Ikaluktuttiamit. Nalvaarhiurhutik, Dundee katitiriniarhimayut itquhianit hilatigut imaqtigullu George Goose tattit mighaani, imarmiglu uktugakhaqtaqpaglutik. Tapkunani tangmaarvingni malruungni atauhiq hilalirivikhaq nappaqtauniaqtuq. Hilalirinikkut katittiqauniaqtut: hilap unarnia/niglaumania, anuri, hiqinirmit utiqtarniq, nuvuyamit kuvinia, hilaplu atipkaumania. Ilitturiyauyut ilautiyauniaqtut ukiuq tamarhiunmi titigaqtauniaqtumi. Imarmik uktuurvikhak nappaqtauniaqtuk kuuniata angmaumaniani Goose tahirni George tahirnilu. Qaningmiglu uktuqpangniaqtut imarmik uktuunmingnut ilautiyauyukhanik. Imap imariknianik uktuqpangniarhutik Goose tattip George tattiplu kuunniita nunnguani.

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