c/o #220, 9797 - 45th Avenue
Edmonton, Alberta T6E 5V8
Bus: (780) 435-0045
Fax: (780) 989-0322
Email: pstrand@compusmart.ab.ca

15 December, 2003

SENT VIA COURIER

Phyllis Beaulieu
Licensing Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: 867 360 - 6338
Fax: 867 360 - 6369

RE: AMENDMENT OF WATER LICENCE NWB2CHU0305 – Churchill Diamond Property, Nunavut

Please accept the completed application form and necessary attachments for an amendment on our currently active Water licence NWB2CHU0305. A cheque for $30.00 for the water licence fee has also been included. Items within the application which could not be attached at the current time (i.e. target locations) will be forwarded to you as soon as possible. Please contact me at the above numbers should there be any further questions, comments or further requested information. Thank you in advance.

Sincerely,

Pamela Strand

Pamela Strand, P. Geol.
President
Shear Minerals Ltd.

SHEAR MINERALS LTD.
Suite 220, 9797 - 45 Ave
Edmonton, AB T6E 5V8
www.shearminerals.com
Bus (780) 435-0045
Fax (780) 439-7308
SRM: CDNX

churchill

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☒ Amendment (to NWB2CHU0305) ☐ Renewal ☐ Assignment

INTERNAL
DP
MA
FO
LA
EA1
EA2
RC
ED
CH
BRD
EXT.

LICENCE NO:
(for NWB use only)

Nunavut Water Board
JAN 12 2004
Public Registry

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Pamela Strand
#220, 9797-45th Ave.
Edmonton, Alberta, Canada
T6E 5V8

Phone: (780)-435-0045
Fax: (780)-989-0322
e-mail: pstrand@compusmart.ab.ca

2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

4579 Nunavut Ltd.
<Same address as Applicant>

Phone
Fax:
e-mail:

3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the undertaking)

Churchill Diamond Property, Kivalliq Region, Nunavut (please see attached maps)

Latitude: 63°00' Longitude: 92°00" NTS Map No. 55 J, K, N, O Scale 1:150,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

1. Domestic water supply for a 40-person (maximum) camp via submersible pump in a nearby lake
2. Water for diamond drilling in the area of the exploration program ounlined on the attached maps, during the period of March 1 to Nov. 30, 2004
3. Drilling and camp programs for 2005-2006.

5. TYPE OF UNDERTAKING (A supplementary questionnaire must be submitted with the application for undertakings listed in **"bold"**)

☐ Industrial
☐ **Mine Development**
☐ **Advanced Exploration**
☒ **Exploratory Drilling**
☒ **Remote/Tourism Camps**
☐ **Municipal**
☐ Power
☐ Other (describe):

6. WATER USE

☒ To obtain water
☐ To modify the bed or bank of a watercourse
☐ To alter the flow of , or store, water
☐ To cross a watercourse
☐ To divert a watercourse
☐ Flood control
☐ Other (describe):

7. **QUANTITY OF WATER INVOLVED** (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

8-10 gallons per minute for one drill (while drilling only) during period of March 1 – November 30, 2004;
5 m3 of domestic water per day in camp (during peak periods of May 1 to Sept 30)

8. **WASTE** (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

<See attached Environmental Procedures Plan>

☒ Sewage	☐ Waste oil
☒ Solid Waste	☒ Greywater
☐ Hazardous	☐ Sludges
☐ Bulky Items/Scrap Metal	☒ Other (describe) drilling water

9. **PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING** (give name, mailing address and location; attach if necessary)

Land Use Permit

DIAND N2003C0009	☒ Yes ☐ No	If no, date expected _____
Regional Inuit Association KVL302B265	☒ Yes ☐ No	If no, date expected _____
Commissioner	☐ Yes ☐ No	If no, date expected _____

10. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** (direct, indirect, cumulative impacts, etc.)

NIRB Screening ☒ Yes ☐ No If no, date expected _____.

11. **CONTRACTORS AND SUB-CONTRACTORS** (name, address and functions)
APEX Geoscience Ltd., #200, 9797-45 Ave., Edmonton, AB T6E 5V8 – Geological services
Great Slave Helicopters, 106 Dickens Street, Yellowknife NT X1A 2R3 – Helicopter support
Kitikmeot Helicopters, Cambridge Bay – Helicopter support
Aggressive Diamond Drilling, Kelowna, B.C. – Drilling

12. **STUDIES UNDERTAKEN TO DATE** (list and attach copies of studies, reports, research, etc.)

<See attached Bibliography>.

13. **THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN**

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected _____

Inuktitut/English Summary of Project ☒ Yes ☐ No If no, date expected _____

Application fee $30.00 (c/o Receiver General for Canada) ☒ Yes ☐ No If no, date expected _____

14. **PROPOSED TIME SCHEDULE**

☐ Annual (or) ☒ Multi Year

Start Date: March 1, 2004 Completion Date: November 30, 2006

Hannah Kim	Geologist I.T.		
Name (Print)	**Title (Print)**	**Signature**	**Date**

For Nunavut Water Board use only

APPLICATION FEE **Amount: $_____** **Receipt No.:_____**

WATER USE DEPOSIT Amount: $_____ **Receipt No.:_____**

EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE

Applicant: _____ **Licence No:** _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Pamela Strand Tel: (780) 435-0045 Fax: (780) 989-0322

2. Project Manager: Pamela Strand Tel: (780) 435-0045 Fax: (780) 989-0322

3. Does the applicant hold the necessary property rights? Yes

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. No

5. Duration of the Project
   - ☐ Annual
   - ☒ Multi Year:
     If Multi-Year indicate proposed schedule of on site activities
     Start: March 1, 2004 Completion: November 30, 2006

CAMP CLASSIFICATION

6. Type of Camp
   - ☐ Mobile (self-propelled)
   - ☐ Temporary
   - ☒ Seasonally Occupied: March 1 to November 30
   - ☐ Permanent
   - ☐ Other: _____

7. What is the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?

   The new proposed camp will likely have a maximum of 18 buildings (including sleeping quarters, office, kitchen and dry) to occupy a crew of up to 40 people (during peak operating times)

8. Provide history of the site if it has been used in the past.

   N/A

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
Located in till blanket area, presence of eskers or flat sandy deposits.

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.
Location was based on a water source of adequate size for required water use.

11. Is the camp or any aspect of the project located on:

☒Crown Lands	Permit Number (s)/Expiry Date: Pending
☐Commissioners Lands	Permit Number (s)/Expiry Date: _____
☒Inuit Owned Lands	Permit Number (s)/Expiry Date: Pending

12. Closest Communities (distance in km):
Rankin Inlet & Chesterfield Inlet are the closest communities from the property area (distance depends on exact area of work)

13. Has the proponent notified and consulted with the nearby communities and potentially interested parties about the proposed work?
Community consultations have commenced, in addition to letters outlining the proposed work has been sent to the nearby communities and potentially interested parties.

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?
All necessary measures will be taken to prevent or minimize impacts on traditional water use areas and on the local fish and wildlife habitats.

PURPOSE OF THE CAMP

15.
- ☒ Mining (Exploration)
- ☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- ☐ Other _____ (Omit questions # 16 to 22)

16.
- ☐ Preliminary site visit
- ☒ Prospecting
- ☒ Geological mapping
- ☒ Geophysical survey
- ☒ Diamond drilling
- ☒ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ☐ Other: _____

17. Type of deposit:
- ☐ Lead Zinc
- ☒ Diamond
- ☐ Gold
- ☐ Uranium
- ☐ Other: _____

DRILLING INFORMATION

18. Drilling Activities
- ☒ Land Based drilling
- ☒ Drilling on ice

19. Describe what will be done with drill cuttings?
Drilling fluids and cuttings will be contained to prevent contact with the ice surface or water. A method to clean up an accidental spill of this material will be devised and the required equipment made available prior to the commencement of operations. Fluids and/or cuttings will be disposed of on land in a natural depression or excavated sump or otherwise in accordance with the land use permit. (Please see attached Environmental Procedures Plan)

20. Describe what will be done with drill water?
All land based drilling fluids will be treated in sumps to collect cuttings, allowing the water to drain into the surrounding landscape. (Please see attached Environmental Procedures Plan)

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.
550x Polymer, Clay Stabilizer, Big Bear Diamond Rod Grease, X-tra gel

22. Will any core testing be done on site? Describe.
Core will be moved to Rankin Inlet to be mechanically split and sampled.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.
Yes, please see attached Spill Contingency Plan

24. How many spill kits will be on site and where will they be located?
There will be one spill kit at each operating drill and one at each fuel cache location.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
See attached Environmental Procedures Plan

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Numerous small ponds and lakes for land based drilling

27. Estimated demand:

- ☒ Domestic Use: 5 m^3 per day (during peak times) Water Source: local camp lakes
- ☒ Drilling Units: 8-10 gallons per min. Water Source: small lakes & ponds
- ☐ Other: _____ Water Source: _____

28. Describe water intake for drill operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:
Submersible pump with filtered intake.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
If and when a camp is established, water monitoring will commence.

30. Will drinking water be treated? How?
Treatment of drinking water is dependant on water quality (See question 29).

30. Will water be stored on site?
Yes, there will be one 45 gallon tank located at the drill site.

WASTE TREATMENT AND DISPOSAL

31. Describe the characteristics, quantities, treatment and disposal methods for:
<See attached Environmental Procedures Plan>

- ☒ Camp Sewage (blackwater)
  latrine sump / Incinceration
- ☒ Camp Greywater
  Sump
- ☒ Solid Waste
  Incineration/shipped of site
- ☒ Bulky Items/Scrap Metal
  shipped off site
- ☒ Waste Oil/Hazardous Waste
  shipped off site
- ☒ Empty Barrels/Fuel Drums
  shipped off site
- ☒ Other: drilling fliuds

32. Please describe incineration system if used on site. What types of wastes will be incinerated?
The incineration system on site will be used for all general domestic and personal waste as well as non-hazardous combustible waste.

33. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?
All inert waste shipped off site will be disposed of in the appropriate municipal/city dump

34. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
2m x 2m x 1.2m sump, more than 100 m from surface water

35. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?
N/A

OPERATION AND MAINTENANCE

36. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?
N/A

ABANDONMENT AND RESTORATION

37. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
See Abandonment & Restoration Plan attached

BASELINE DATA

38. Has or will any baseline information be collected as part of this project? Provide bibliography.

- ☒ Physical Environment (Landscape and Terrain, Air, Water, etc.)
- ☐ Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- ☐ Socio-Economic Environment (Archaeology, Land and Resources Use, Demographics, Social and Culture Patterns, etc.)
- ☐ Other: _____

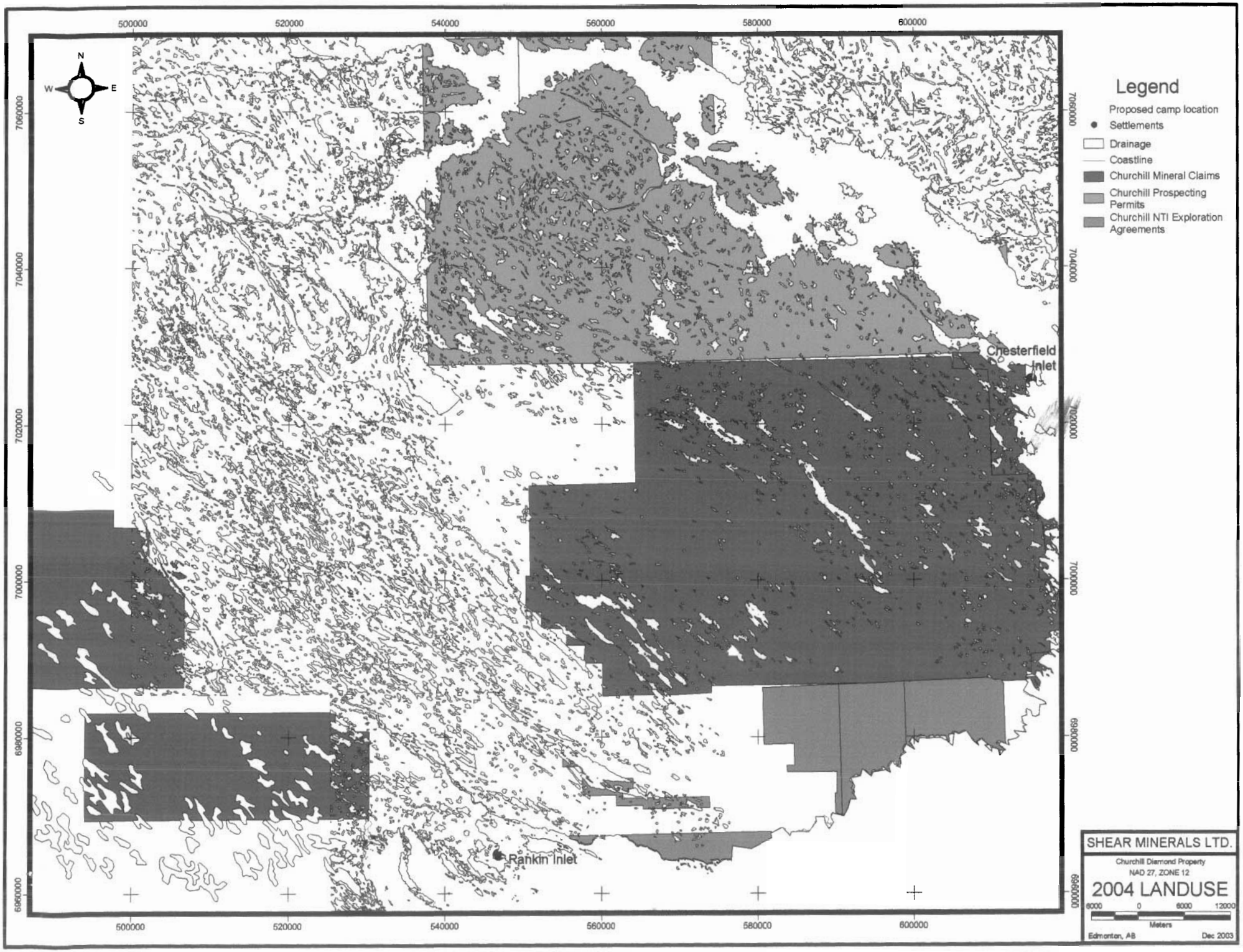
See bibliography attached

REGULATORY INFORMATION

39. Do you have a copy of

- ☒ Article 13 - Nunavut Land Claims Agreement
- ☒ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ☒ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ☒ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ☒ NWTWB - Guidelines for Contingency Planning
- ☒ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ☒ Fisheries Act - s.35
- ☒ RWED - Environment Protection- Spill Contingency Regulations
- ☒ Canadian Drinking Water Quality Guidelines
- ☒ Public Health Act Camp Sanitation Regulations
- ☒ Public Health Act Water Supply Regulations
- ☒ Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.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Rankin Inlet
Legend
Proposed camp location
Settlements
Drainage
Coastline
Churchill Mineral Claims
Churchill Prospecting Permits
Churchill NTI Exploration Agreements
SHEAR MINERALS LTD.
Churchill Diamond Property
NAD 27, ZONE 12
2004 LANDUSE
6000 0 6000 12000
Meters
Edmonton, AB
Dec 2003

CHURCHILL DIAMOND PROPERTY

LIST OF CLAIMS

PAR 1
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PAR 3
PAR 4
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CM 3
CM 4
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LIST OF NTI EXPLORATION AGREEMENTS

Agreement Number	Agreement Name
RI01-02-02	Sedna 1
RI01-02-03	Sedna 2
RI01-02-04	Sedna 3
RI01-02-05	Sedna 4

LIST OF PROSPECTING PERMITS

Permit Number
2785
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Summary

4579 Nunavut Ltd.
#220 9797 45 Avenue
Edmonton, Alberta
T6E 5V8

2004 Land Use Plan
Rankin Inlet Area, Kivalliq Region, Nunavut

Mineral Exploration in the Rankin Inlet Area

4579 Nunavut Ltd. and its partners are dedicated to exploring for economic mineral deposits in northern Canada. In 2001 we initiated exploration for mineral deposits within the Rankin Inlet area and believe that the area has the potential to host world-class mineral deposits. Our company is seeking to cooperate with the communities, local Inuit Associations, the Nunavut Government and the Federal Government so that all may benefit from mineral discoveries without adversely affecting the natural way of the wildlife, the people and the land.

The purpose of our activities under this land use license are to evaluate the potential for economic concentrations of minerals on Inuit surface and subsurface owned land parcels within NTS map sheets 55 J, N, and O. Our plan is to conduct ground geophysical surveys, diamond drilling, prospecting, rock and soil sampling and geological mapping all of which have a low impact on the environment.

We plan to initiate activities around March 1, 2004 and our field crews will be working out of Rankin Inlet. Our activities will be helicopter supported which will also be out of Rankin Inlet. Our 2004 program will be completed in several stages and will likely be complete by November 2003. Our 2005 activities are planned over the same period.

Small temporary camps for four people within a period of up to 10 days may be required from time to time; therefore, we anticipate on having to establish a few small camp structures. However, all camp locations will be on Crown land and the necessary landuse licenses will be obtained prior to any construction.

4579 Nunavut Ltd. and its partners conduct extensive exploration programs within Nunavut and the Northwest Territories. We recognize the importance of our role in discovering mineral deposits for our clients and that our exploration programs must be conducted in the most socially and environmentally responsible fashion possible.

Summary of Operations

Project activities involve ground geophysical surveys followed by helicopter supported diamond drilling for kimberlite. Fifty to sixty, 100-meter drill holes are planned for the 2004 field season. Field exploration will also consist of field mapping, soil and till sampling during the summer months, with the possibility of further drilling in the fall. At this time, the drill collar locations have yet to be determined, but will be forwarded as soon as they have been decided.

Currently, we plan on staging all exploration out of Rankin Inlet. However, there is the possibility of one temporary camp being established. This camp would be occupied seasonally, between March 1 and November 30. It will most likely have a maximum of 18 semi-permanent buildings (including sleeping quarters, office, kitchen and dry) to occupy a crew of up to 40 people (during peak operating times). Details of this camp will also be forward if the establishment of a camp is necessary.

BIBLIOGRAPHY

Armitage, A.E., Tella, S. and Miller, A.R. (1993) Iron-formation hosted gold mineralization and its geological setting, Meliadine Lake area, District of Keewatin, Northwest Territories; in Current Research, Geological Survey of Canada, 1993-1C, p. 187-195.

Besserer, D.J., 1994. Regional Metamorphism and P-T conditions of the Gibson-MacQuoid Lake Greenstone Belt, District of Keewatin, N.W.T. Unpublished undergraduate paper submitted in partial fulfilment of the requirements for Geology 490, The University of Western Ontario.

Comaplex Minerals Corporation (Comaplex), 2002. Press Release titled 'Meliadine West Project; $500,000 Option Payment Received'. January 18, 2002 Public Press Release.

Cumberland Resources Ltd.(Cumberland), 2002. Press Release titled 'Meadowbank Gold Project: Revised Economic Studies Indicate Improved Economics. Major Program Planned For 2002' January 24, 2002 Public Press Release.

Dawson, J.B., and Stephens, W.E. (1975) Statistical classification of garnets from kimberlite and associated xenoliths. Journal of Geology, Vol.83, p.589-607.

Dickson, G. (1991) Geology and gold mineralization on the Asamera/Comaplex Meliadine Project, Rankin Inlet area, N.W.T. (abstract); in Exploration Overview 1990, Northwest Territories; (ed.) S.P. Goff.

Fipke, C.E., Gurney, J.J. and Moore, R.O. (1995) Diamond exploration techniques emphasising indicator mineral geochemistry and Canadian examples; Geological Survey of Canada, Bulletin 423, 86 pages.

Gurney, J.J., (1984) A correlation between garnets and diamonds in kimberlite. *In* Kimberlite Occurrence and Origin: A basis for conceptual models in exploration, J.E. Glover and P.G. Harris (eds.). Geology Department and University Extension, University of Western Australia, Publication No.8, p.143-166.

Hausseux, M. (1990) Regional geology and geochemistry maps for the Meliadine River Project, Rankin Inlet, N.W.T.; Asamera Minerals Inc. unpublished maps 46, 47, 48 and 52.

Helmstaedt, H.H. (1993) Natural diamond occurrences and tectonic setting of "primary" diamond deposits; *In* Proceedings of a short course presented by the Prospectors and Developers Association of Canada; March 27, 1993, Toronto, Ontario, p.3-72.

McMartin, I. (2000) Till composition across the Meliadine trend, Rankin Inlet area, Kivalliq region, Nunavut; Geological Survey of Canada, Open File 3747.

McMartin, I. And Henderson, P.J. (1999) A relative ice-flow chronology for the Keewatin Sector of the Laurentide Ice Sheet, Northwest Territories (Kivalliq Region, Nunavut); in Current Research, Geological Survey of Canada, Paper 1999-C, p. 129-138.

Mitchell, R.H. (1986) Kimberlite: Mineralogy, Geochemistry and Petrology. Plenum Press, New York, 442 pages.

Mitchell, R.H. (1989) Aspects of the petrology of kimberlites and lamproites: some definitions and distinctions; *In* Kimberlites and Related Rocks, Volume 1, Their Composition, Occurrence and Emplacement; Geological Society of Australia, Special Publication No.14, p.7-46.

Mitchell, R.H. (1991) Kimberlites and lamproites: Primary sources of diamond. Geoscience Canada, Vol.18, p.1-16.

Reinhardt, E.W. and Chandler, F.W. (1973) Gibson-MacQuoid Lake map area, District of Keewatin; in Report of Activities, Part A, Geological Survey of Canada, Paper 73-1A, p. 162-165.

Scott Smith, B.H. (1995) Petrology and diamonds. Exploration and Mining Geology, Vol.4, No.2, p.127-140.

Seller, M.H. (1999) Petrology of the Meliadine kimberlite dykes, District of Keewatin, Northwest Territories, Canada; M.Sc. Thesis, University of Alberta, Spring 1999, 227 p.

Shilts, W.W., Cunningham, C.M., and Kaszycki, C.A. (1979) Keewatin Ice Sheet – Re-evaluationof the traditional concept of the Larentide Ice Sheet; Geology, v. 7, p. 537-541.

Skinner, E.M.W. (1989) Contrasting Group I and Group II kimberlite petrology: towards a genetic model for kimberlites. *In* J. Ross (ed.) Kimberlites and Related rocks, Vol.1, Their Composition, Occurrence, Origin and Emplacement, Proceedings of the Fourth Kimberlite Conference, Perth, 1986, Geological Society of Australia, Special Publication No.14, p.528-544.

Tella, S. and Annesley, I.R. (1987) Precambrian geology of parts of the Chesterfield Inlet map area, District of Keewatin; in Current Research, Part A, Geological Survey of Canada, Paper 87-1A, p. 25-36.

Tella, S., Annesley, I.R., Borradaile, G.J., and Henderson, J.R. (1986) Precambrian geology of parts of Tavani, Marble Island and Chesterfield Inlet map areas, District of Keewatin, N.W.T.; Geological Survey of Canada, Paper 86-13, 20 p.

Tella, S., Schau, M., Armitage, A.E., and Loney, B.C. (1993) Precambrian geology and economic potential of the northeastern parts of the Gibson Lake (55N) map area, District of Keewatin, Northwest Territories; in Current Research, Part C, Geological Survey of Canada, Paper 93-1C.

Tella, S., Schau, M., Armitage, A.E., Seemayer, B.E., and Lemkow, D. (1992) Precambrian geology and economic potential of the Meliadine Lake-Barbour Bay region, District of Keewatin, Northwest Territories; in Current Research, Part C; Geological Survey of Canada, Paper 92-1C, p. 1-11.