Nunavummi Qaujisaqtulirijikkut /Nunavut Research Institute

Box 1720, Iqaluit, NT XOA OHO phone: (819) 979-4108 fax: (819) 979-4681 email: slcnri@nunanet.com

Reviewer Recommendation Form:
Land &/or Water based Research

Applicant Name:	Gary Ash
Project Name:	

Review Panel Name:	Executive Director NWB
Region:	Kivilliq

Comaplex Minerals

NWB2MEL

Research Discipline:

Panel Comments:

Requested Terms or Conditions:

Recommend Approve ☐ Recommend Reject ☐	Annual ☐ or Multi-year ☐	Signature	Title:	Date

5/4/2004

DISTRIBUTION

Please find enclosed a copy of an application for a *Science Research License* from **Gary Ash, Golder Associates LTD..**

Gary Ash's research is proposed to take place from June 1, 2004 to September 30, 2004.

As per the **Scientists' Act** of Nunavut, community consultation is required before a Science Research Licence can be issued. The documentation is provided for your information and review. A ***Reviewer Recommendation Form*** is enclosed for your response by June 18, **2004.**

Thank you for your continued assistance. Please contact our office if you have any questions or concerns regarding the above.

Renée Malcom

Mary Ellen Thomas
Manager, Research Liaison

encl.

cc: Environmental Assessment Screener NIRB
Lands Manager Kiv.IA
Executive Director NWB
Director of Wildlife Management NWMB
Mayor SAO Municipality of Rankin Inlet
Chairperson HTO Rankin Inlet
Area Manger DFO
Executive Director NPC

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Nunavut Water Board
MAY 12 2004
Public Registry

P.O. Box 1720, Iqaluit, NU X0A 0H0, Tel: (867) 979-6734, Fax: (867) 979-4681, Internet: iqrcnri@nunanet.com
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Nunavut
Arctic College

Nunavut Research Institute
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SCIENTIFIC RESEARCH LICENCE APPLICATION

(Land, Freshwater & Marine Based Research)

This application fulfills the requirements for NIRB environmental screening

SECTION 1: APPLICANT INFORMATION

1. Applicant's full name and mailing address:
Mr. Gary Ash
Golder Associates Ltd.
#300 10525 – 170 Street, Edmonton AB, T5P 4W2

Fax: (780) 483 1574
Phone: (780) 483 3499
E-mail: gash@golder.com

2. Field Supervisor (address, if different from above):
Jack Patalas (address same as above)

Phone (radio or otherwise):

3. Other Personnel list (name and position):
Jim Campbell – fisheries biologist
Rob Stack – fisheries technician
Unspecified local assistants (Rankin Inlet residents)

Total # of personnel: **4**
Total # of person days: **20**

SECTION 2: AUTHORIZATION NEEDED

4. List the organisations you will contact for necessary authorizations associated with the project: The following organizations were consulted during the Environmental Studies in the 1997 to 2000 period:

Kivalliq Inuit Association, Rankin Inlet
Aqiggiak Hunters and Trappers Organization, Rankin Inlet
Aqigiq Hunters and Trappers Organization, Chesterfield Inlet
Municipality of Rankin Inlet
Keewatin Wildlife Federation, Arviat
Department of Sustainable Development, Rankin Inlet
Department of Fisheries and Oceans, Iqaluit

Study results will be provided to all above parties in the course of community consultations regarding the status of the Meliadine West Gold Project

5. List the active permits, licences, or rights related to the project and their expiry date:
Comaplex Minerals Corp. (the funding agency) currently holds a valid KIA Land Use Permit No. KE96P090 and the Nunavut Water Board Permit No. NWB#NWB2MEL.

SECTION 3: PROJECT PROPOSAL DESCRIPTION

6. Project duration:

Period of operation: 1 June 2004 to 30 September 2004
Proposed term of permit: 1 June 2004 to 30 September 2004

7. Location(s) of data collection:

- Land Status Types: Crown, Commissioners', Inuit Owned Surface Lands, Inuit Owned Sub-Surface Lands, & Other
- Please ensure that maps of the project area are attached (1:50 000, 1:250 000)

Location Name	Region	Latitude (north)	Longitude (west)	NTS Map sheet #	Land Status
Meliadine Lake	Keewatin	63°03'00"	92°10'00"	55N, 55K	Crown
Meliadine River	Keewatin	62°52'00"	92°07'00"	55K	Crown
Proposed road corridor between Rankin Inlet and Meliadine Lake	Keewatin	63°01'00"	92°15'00"	55N	Municipal and IOSL
For additional sites, attach a separate page					

NON-TECHNICAL PROJECT PROPOSAL SUMMARY

8. 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.

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

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: *Arctic grayling*	*Meliadine River basin*	*June spawning period*
Caribou:		
Muskox:		
Raptor:		
Migratory Birds:		
Waterfowl:		
Seals:		
Whales:		
Narwhals:		
Canid family (wolves, wolverines, foxes, etc.)		

Bears (grizzly, polar, black):		
Other:		
Eskers:		
Communities:		
Historical/Archaeological sites:		

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 Comaplex Minerals Corp. to evaluate the potential for developing a gold mine. It is also being used for hunting and fishing by Rankin Inlet residents. Other research activities in the study area may include hydrology, wildlife and vegetation components.

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

Because of the proposed use of non-lethal fish sampling techniques, fish mortalities will be minimal. The impacts of the proposed study on the aquatic environment are expected to be negligible or non-existent.

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

Not applicable

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

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

Community	Name	Organisation	Date Contacted	Means	Telephone #	Fax #
Rankin Inlet	Tongola Sandy	Kivilliq Inuit Association Lands	28 March 2000	meeting	867 645 2810	
Rankin Inlet	Louis Pilakapsi	Aqiggiak HTO	28 March 2000	meeting		
Chesterfield Inlet	Leo Mimialik	Aqigiq HTO	28 March 2000	meeting		
Rankin Inlet	Rhoda Karetak	Municipality of Rankin Inlet	28 March 2000	meeting		
Rankin Inlet	Luis Manzo	KIA Lands	16 April, 2004	E Mail	867 645 2810	

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):

During all data collection phases of the study, local assistants from Rankin Inlet will be employed as environmental technicians by Comaplex Minerals Corp.. These local assistants will be provided training during the study.

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

During the Environmental Studies Review meeting held in Rankin Inlet on 28 March 2000, all community representatives (see Section 18 above) voiced strong support of the project. The results of the previous investigations and the work program for 2000 were outlined using an audio-visual presentation.

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

The TK component of the study was completed during 1998, and will not form part of the current application.

Applicant:

,	**Senior Fisheries Biologist,**	**21 April 2004**
Signature	**Title**	**Date**

Section 3

8. Non-Technical Project Proposal Summary

Detailed aquatic investigations were carried out between 1997 and 2001 to collect baseline data for the potential gold mine development by WMC International Ltd. in the Meliadine Lake area near Rankin Inlet, Nunavut. Comaplex Minerals Corp. acquired the property from WMC in October 2003 and is continuing with the exploration and environmental studies.

The study program for 2004 is designed to fill the data gaps on habitat and fish use at stream crossing sites along the proposed road corridor between Rankin Inlet and the potential mine site. The collected data will be used in the preparation of an environmental impact assessment and will form a baseline for future monitoring activities.

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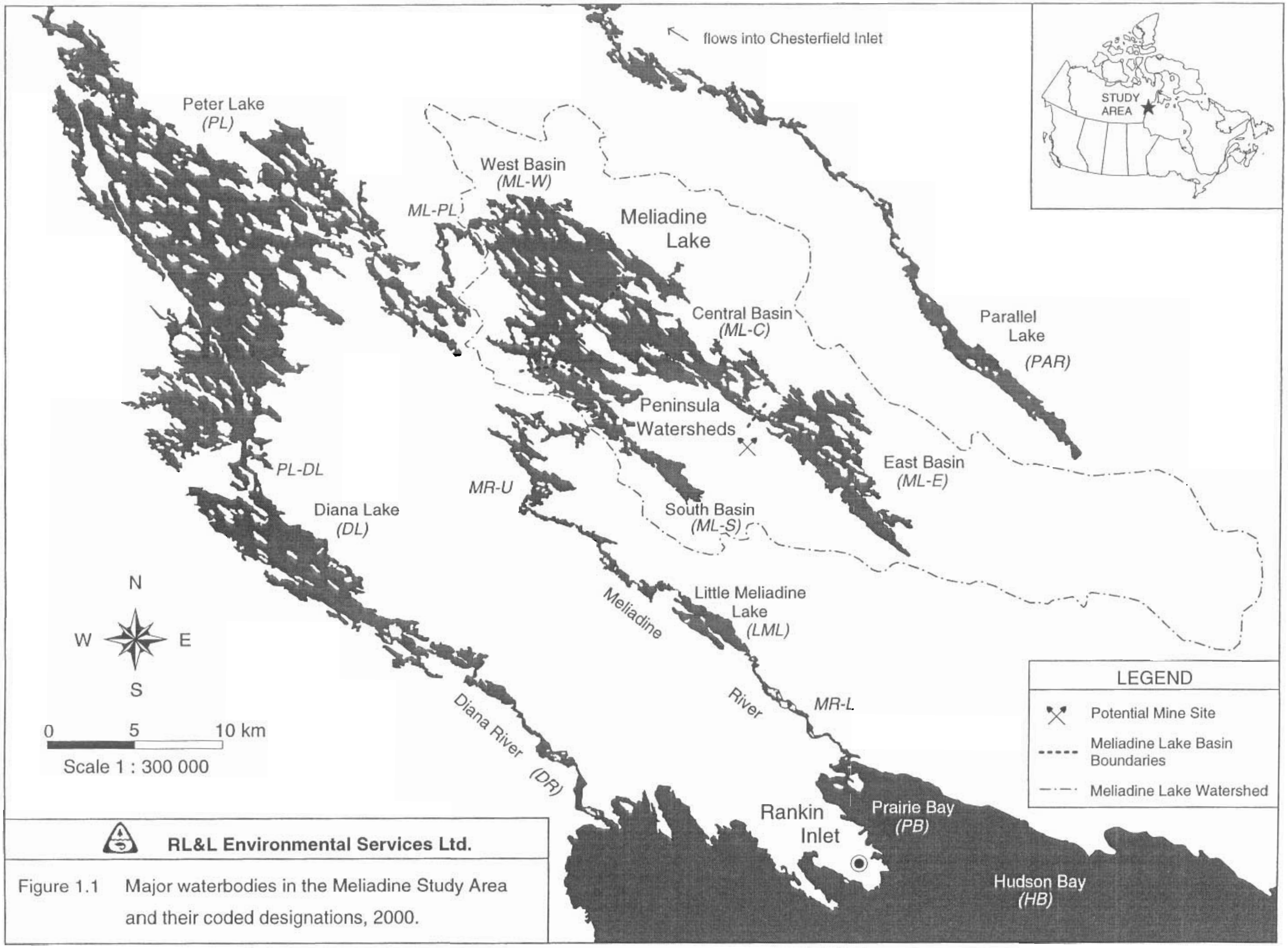
2004-ᒥᑎᓪᓗᒍ ᑕᐃᒪ ᖃᐅᔨᓴᕐᓂᐅᓛᖅᑐᖅ ᐋᖅᑭᒃᓱᖅᓯᒪᔪᖅ ᑐᓴᒐᒃᓴᐅᑏᑦ ᐃᓚᑰᓕᖕᓚᓂᖏᓐᓂᒃ ᐃᖃᓗᒃᓴᓖᑦ ᐊᒻᒪᓗ ᐃᖃᓗᖅᓂᒡᓗ ᖃᐅᔨᓴᕐᑎᖃᕆᐊᒃᑲᓂᕈᒪᓪᓗᒋᑦ ᑰᒐᕐᔪᖅᓃᑦᑐᓂᒃ ᐊᖅᑯᓯᐅᕐᕕᐅᑐᐃᓐᓇᕆᐊᖃᖅᑑᑉ ᐃᓂᖏᓐᓃᑦᑐᓂ ᑲᖏᖅᓕᓂᐅᑉ ᐅᔭᕋᒃᓯᐅᕐᐱᓕᐅᕐᕕᐅᑐᐃᓐᓇᕆᐊᖃᖅᑐᒥᒃ ᐊᑯᓐᓂᖏᓐᓂ. ᑖᒃᑯᐊ ᑐᓴᒐᒃᓴᐅᑎᒃᓴᐃᑦ ᖃᐅᔨᓴᕐᑎᓄᑦ ᑲᑎᑕᐅᕙᓪᓕᐊᔪᑦ ᐊᑐᖅᑕᐅᓇᔭᖅᑐᑦ ᐊᕙᑎᒥᐅᑕᓃᑦᑐᑦ ᐊᒃᑐᖅᑕᐅᓯᒪᖁᓯᐅᔾᔭᐅᑐᐃᓐᓇᕿᐊᓖᑦ ᓇᓗᓇᐃᖅᑑᑎᑦ ᐋᖅᑭᒃᓱᖅᑕᐅᔪᕿᐊᖃᓕᖅᐸᑕ ᐊᒻᒪᓗ ᖃᐅᔨᓴᕐᑕᐅᔪᓄᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᓛᕆᓪᓗᑎᒃ ᓯᕗᓂᒃᓴᑯᑖᒧᑦ ᓇᐅᑦᓯᖅᑑᑕᐅᓂᓇᓛᖅᑕᕆᓐᓄᑦ.



RL&L Environmental Services Ltd.

Figure 1.1 Major waterbodies in the Meliadine Study Area and their coded designations, 2000.