

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:	Linda Kah
Project Name:	Reef Evolution and Basin Development, Dismal Lakes and Parry Bay Groups
Review Panel Name:	Lands Manager, Kitikmeot Inuit Association
Region:	Kitikmeot

Research Discipline:

Panel Comments:

Requested Terms or Conditions:

Approved <input type="checkbox"/>	Annual <input type="checkbox"/> or	Signature	Title:	Date
Rejected <input type="checkbox"/>	Multi-year <input type="checkbox"/>			



**Nunavut Research Institute
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SCIENTIFIC RESEARCH LICENCE APPLICATION

(Land, Freshwater & Marine Based Research)

Emailed 3/15/02
 Mailed 3/15/02

This application fulfills the requirements for NIRB environmental screening

SECTION 1: APPLICANT INFORMATION	
1. Applicant's full name and mailing address: LINDA CHRISTINE KAH DEPARTMENT OF GEOLOGICAL SCIENCES 1412 CIRCLE DRIVE UNIVERSITY OF TENNESSEE KNOXVILLE, TENNESSEE USA	Fax: (865) 974-2368 Phone: (865) 974-6399 E-mail: LCKAH@UTK.EDU
2. Field Supervisor (address, if different from above): SEE ABOVE	Phone (radio or otherwise):
3. Other Personnel list (name and position): PATRICK JEROME SCHUNEMAN (GRADUATE STUDENT) MELONDEE BRYN MCINNISH (UNDERGRADUATE STUDENT) 1 FIELD ASSISTANT (TO BE NAMED)	
Total # of personnel: 4	Total # of person days: 180 person days ± 8 P.D.

SECTION 2: AUTHORIZATION NEEDED

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

(SEE BELOW) PLUS → CONTACTING - COPPERMINE HTA
 - UMINGMAKTOK HTO

(SEE ALSO, SECTION 7, #19)

5. List the active permits, licences, or rights related to the project and their expiry date:

NO ACTIVE PERMITS

APPLICATIONS SUBMITTED TO → KITIKMEOT INUIT ASSOCIATION
 NUNAVUT WATER BOARD
 DIAND

SECTION 3: PROJECT PROPOSAL DESCRIPTION**6. Project duration:**Period of operation: JUNE 25, 2002 to AUGUST 6, 2002Proposed term of permit: JUNE 1, 2002 to SEPTEMBER 1, 2002Project title: REEF EVOLUTION AND BASIN DEVELOPMENT, DISMAL LAKES & PARRY BAY GROUPS**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) * SEE ATTACHED

Location Name	Region	Latitude (north) APPROXIMATE	Longitude (west) APPROXIMATE	NTS Map sheet #	(?) Land Status
SEPTEMBER LAKE	KITIKMEOT	67° 06'	115° 45'	0-860-00	N/A
DISMAL LAKE	KITIKMEOT	67° 25'	117° 03'	0-86N-00	N/A
BEBENSEE LAKE	KITIKMEOT	67° 29'	118° 32'	0-86M-00	N/A
PARRY BAY	KITIKMEOT	67° 50'	107° 30'	0-77A-00	N/A

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 West 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.):**

Equipment type and number	Size-dimensions	Proposed use
Rock hammers (3)	30-45 cm long	Removing small (5x7x3 cm) rock samples from surface outcrops.

10. Detail fuel and hazardous materials use:

Fuels	Number of Containers	Capacity of Containers (gal & litres)
• Diesel	—	—
• Gasoline	—	—
• Aviation fuel	—	—
• Propane	—	—
• Other white gas	2-3	1 gallon (4 litres) - cooking fuel.
Hazardous Materials	Number of Containers/Concentration	Capacity of Containers (gal & litres)
• —	—	—
• —	—	—
• —	—	—

10. Describe method of fuel transfer:

N/A

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.

N/A ACCIDENTAL SPILLS - MAX 4 LITERS -
 - SATURATED MATERIAL WILL BE DUG UP,
 CONFINED, + REMOVED.

SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

12. Describe amount and methods of disposal:

Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Sewage	N/A	N/A	N/A
Grey water	PERSONAL	BURIAL	N/A
Garbage	< 10 kg	PACK OUT	N/A
Overburden (organic soil, waste material, tailings)	N/A	N/A	N/A
Hazardous waste:	N/A	N/A	N/A
Other:	N/A	N/A	N/A

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:

WE WILL BE FOLLOWING STANDARD, LOW-IMPACT BACKPACKING PRACTICES. TENT SITES WILL BE CHOSEN FOR MINIMAL IMPACT OF TUNDRA ENVIRONMENTS. ANY ROCKS USED TO STABILIZE TENTS WILL BE SCATTERED. THERE WILL BE NO CONSTRUCTION, OR EXCAVATION IN THE REGIONS.

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,	Important Habitat Area (calving,	Critical time periods
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associated herd, etc.)	staging, denning, migratory pathways, spawning, nesting, etc.)	(calving, post-calving, spawning, nesting, breeding, etc.)
Example: <i>Narwhal</i>	<i>Ice floe edge in Pond Inlet</i>	<i>June-July, around break-up</i>
Fish:	—	—
Caribou: ②	MIGRATORY PATHWAY	APRIL - MAY (PRIOR TO ARRIVAL)
Muskox:	N/A	N/A
Raptor: PEREGRIN / ROUGH LEGGED	NESTING	ALL SUMMER (CLIFFS)
Migratory Birds: VARIOUS	NESTING	ALL SUMMER (lowlands, grasslands)
Waterfowl: TUNDRA SWAN, LOONS	NESTING	ALL SUMMER (RARE IN REGION)
Seals:	N/A	N/A
Whales:	N/A	N/A
Narwhals:	N/A	N/A
Canid family (wolves, wolverines, foxes, etc.)	N/A	N/A
Bears (grizzly, polar, black): GRIZZLY	- RARE -	- RARE -
Other:		
Eskers:	N/A	N/A
Communities:	NONE IN IMMEDIATE REGION	N/A
Historical/Archaeological sites:	AWARE OF NONE	N/A

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.

LIZ TURNER (NUNAVUT GEOSCIENCE CENTER) INFORMS ME →

- (1) NO RESEARCH IN IMMEDIATE AREAS
- (2) MINERAL DEVELOPMENT IN LARGER REGION - MUSKOX INTRUSION
- HOPE BAY PROJECT
- DIAMOND EXPLORATION

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

NO/LITTLE IMPACT →

- BARREN-GROUND CARIBOU WILL HAVE MIGRATED THROUGH THE REGION BEFORE ~~WE~~ WE ARRIVE.
- WATERFOWL AND MIGRATORY BIRDS WILL BE NESTING, IN LOW NUMBERS, THROUGHOUT THE NORTHERN LANDS - MOST NESTING WILL BE IN WATER + LOWLANDS, AWAY FROM ROCKS AND EASILY AVOIDED.
- RAPTOR NESTS OCCUR IN HIGH CLIFFS AND WILL BE AVOIDED.

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

N/A.

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 #
Kugluktuk	Jack Kamak	Lands Manager	Feb. 28, 2002	e-mail	—	—
Kugluktuk	—	HTO	March 15, 2002	Fx	867-982-4908	867-982-4647
Umingmaktok	Peter Kapobak	HTO	March 15, 2002	e-mail	—	—
Iqaluit	Susan Woodley	NRI	Feb. 28, 2002	e-mail	867-979-4108	867-979-4681
Iqaluit	Liz Turner	Nunavut Geoscience	Feb. 28, 2002	e-mail	867-977-3537	867-977-0708

so in contact
with...

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):

THIS IS AN EXTREMELY LOW-BUDGET EDUCATIONAL RESEARCH PROJECT... AND FUNDING PERMITS ONLY UNIVERSITY PERSONNEL FOR LIABILITY CONCERNS. I AM, HOWEVER, DISCUSSING OPPORTUNITIES TO USE MY WORK AS AN EDUCATION OPPORTUNITY FOR LOCAL COMMUNITIES - BY DESIGNING AN EDUCATION MODULE ABOUT THE GEOLOGY OF THE REGION.

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

* WILL FORWARD WHEN/IF I AM CONTACTED ABOUT ANY CONCERNS.

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

N/A

Applicant:		
<u>Linda C. Kan</u>	<u>ASSISTANT PROFESSOR</u>	<u>MAR. 09, 2002</u>
Signature	Title	Date