



SCIENTIFIC RESEARCH LICENCE APPLICATION LAND, FRESHWATER & MARINE BASED RESEARCH

NRI strongly recommends that applicants review the following documents prior to submitting an application: *Scientific Research Licencing Guidelines* and *Negotiating Research Relationships in Inuit Communities: A Guide for Researchers*.

IMPORTANT

This application fulfills the requirements for the NIRB environmental screening. Please be advised that your application will not be processed until the application form, project summary, and maps are received.
All documents should be uploaded in the following formats: MS Word, Adobe PDF or jpeg.

SECTION 1: APPLICANT INFORMATION

1a. Project Title **Provenance of Clastic Sediments in the Sverdrup Basin**

1b. Project Number

Please indicate if applicant has submitted any previous application(s) to NRI related to this project proposal?

Yes (x) No ()

If yes, please indicate the previous NRI licence number: **0201407N-A and 0203308N-A**

Please indicate if applicant has submitted any previous application(s) to NIRB related to this project proposal?

Yes (x) No ()

If yes, please indicate the previous NIRB licence number(s): **07YN003**

2. Applicant's full name and mailing address:

Dr. Robert Scott, CASP, Univ. Cambridge
West Building, 181A Huntingdon Road,
Cambridge, CB30DH, UK

Phone: **0044 1223 277586**
Fax: **0044 1223 276604**
Email: **robert.scott@casp.cam.ac.uk**

3. Field Supervisor's name and mailing address:

AS ABOVE IN 2

Phone: _____

Fax: _____

Email: _____

4. Other Personnel list (name, position, affiliation)

Dr. Helen Smyth, Geologist, CASP
Dr. Stephen Rippington, Geologist, CASP
Dr. Simon Kelly, Geologist, CASP

Dr. Vicky Pease, Geologist, Univ. Stockholm

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

- | | |
|--|---|
| <input type="checkbox"/> Regional Inuit Association (RIA) | <input type="checkbox"/> Canadian Launch Safety (CLS) |
| <input checked="" type="checkbox"/> Nunavut Water Board (NWB) | <input type="checkbox"/> Environment Canada (EC) |
| <input type="checkbox"/> Nunavut Planning Commission (NPC) | <input type="checkbox"/> Department of Environment (GN) |
| <input type="checkbox"/> Department of Indian And Northern Development (DIAND) | <input type="checkbox"/> Department of National Defense |

☐

Department of Fisheries and Oceans (DFO)

☐

Community Government & Services (CG&S)

☒

Nunavut Research Institute (NRI /GN)

☐

Department of Culture, Language, Elders, and Youth (CLEY/GN)

☐

(DND)

☐

Hamlet

☒

Parks Canada (PC)

☐

Canadian Wildlife Service (CWS)

☐

Other (please specify):

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

Permit:	Expiry Date
N/A	

3. Have you applied for all authorizations required to conduct the project proposal activities?

☒ Yes

☐ No

SECTION 3: PROJECT PROPOSAL DESCRIPTION

1. Indicate the activities related to the project proposal:

<input checked="" type="checkbox"/> Temporary camp (to be removed at end of field season)	<input type="checkbox"/> Soil disposal/ soil storage
<input type="checkbox"/> Permanent camp (to remain for life of authorization)	<input checked="" type="checkbox"/> Incineration of combustible wastes and removal of non-combustible wastes
<input type="checkbox"/> Construction of recreational or safety cabin	<input type="checkbox"/> River/ stream/ lake crossing or work/ bridge
<input type="checkbox"/> Temporary fuel storage (to be removed at end of field season)	<input type="checkbox"/> Drainage alteration
<input type="checkbox"/> Permanent fuel storage (to remain for life of authorization)	<input type="checkbox"/> Geoscientific sampling by diamond drilling
<input type="checkbox"/> Placement of structures for life of permit (other than camp or cabin " i.e. scientific instruments)	<input type="checkbox"/> Geoscientific sampling by soil sampling
<input type="checkbox"/> Placement of permanent structures (other than camp or cabin " i.e. scientific instruments)	<input type="checkbox"/> Geoscientific sampling by trenching
<input type="checkbox"/> Air surveys (i.e. geophysical, wildlife)	<input type="checkbox"/> Geoscientific sampling by borehole core
<input checked="" type="checkbox"/> Use of aircraft/watercraft/land vehicle for personnel drop-off and pick-up to project location	<input type="checkbox"/> Blasting
<input type="checkbox"/> Use of on-site mechanized vehicles (i.e. atv, snowmobile, truck, zodiac)	<input type="checkbox"/> Channeling
<input type="checkbox"/> Sewage or grey water disposal via sump	<input type="checkbox"/> Excavation
<input type="checkbox"/> Hazardous waste storage or disposal	<input type="checkbox"/> Hydrological testing
<input type="checkbox"/> Solid waste disposal	<input type="checkbox"/> Abandonment and restoration
<input type="checkbox"/> Chemical storage	<input type="checkbox"/> Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring)
<input type="checkbox"/> Explosives storage	<input checked="" type="checkbox"/> Research
<input type="checkbox"/> Soil testing	<input type="checkbox"/> Ecological survey
<input type="checkbox"/> Harvesting	<input type="checkbox"/> Removal of vegetation for scientific purposes
<input type="checkbox"/> Other:	

2. Personnel

Total No. of personnel on site = (A)	Total No. of days on-site = (B)	Total No. of Person days (A) Ã— (B) =
5	42	210

3. Timing

Period of operation: to August 20th 2011

June 20th 2009

Proposed term of authorization:

June 20th 2009

to August 20th 2011

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.

The project will run over 3 years (2009-2011), fieldwork will be scheduled in the spring and summer months. Person days calculated above refer only to the 2009 field season.

4. Location(s) of data collection:

Location Name	Region North Baffin, South Baffin, Kivalliq, Kitikmeot	Co-ordinates Lat (degree / minute), Long (degree / minute)	NTS Map Sheet Nr.	Land Status Crown, Commissionersâ€™, Inuit Owned
Resolute Bay	Cornwallis	74°41'N, 94°55'W (PCSP HQ)	059F	Inuit Owned
Lake Hazen	Ellesmere	81°45'N, 71°39'W (Camp Hazen)	120G & 340G	Quttinirpaaq
Central Ellesmere, Fosheim Peninsula, Raanes Peninsula, Princess Marie Bay	Ellesmere	79°50'N, 82°30'W & 79°30'N 83°10'W (proposed base camps)	49E, 49F, 49G, 49H, 340B, 39F, 39G & 39H	Inuit Owned
_____	_____	_____	_____	_____

If the project proposal includes a camp, please provide the coordinates of the camp location

Lat (degree/minute) _____ Long (degree/minute) _____

NTS Map Sheet Nr. (if different from above) 49H

Please attach maps (preferably 1:250,000 scale) which clearly indicate camp sites and research sites. PDF, jpeg or tiff versions are requested.

[Frm633721764873281250land-Location maps for CASP application 2009.pdf](#)

The Nunavut Impact Review Board may require additional location information in a subsequent Project Specific Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION

Please attach a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- Project Title
- Researcher's Name and Affiliation
- Project Location
- Timeframe
- Project Description
 - purpose
 - goals & objectives
 - method of transportation
 - any structures that will be erected (permanent / temporary)
 - restoration / abandonment plans
- Methodology
 - collection protocol
 - collection mechanisms
 - indicate why specific communities or individuals were selected for your research
- Data
 - short term & long term use of data
 - other uses of data
- Reporting

- How will the research results be communicated to the individual participants, communities, regional and Nunavut organizations?
- Will the research result in a publication?

[Frm633721764873281250land-NRI Non technical summary _English_ 2009.pdf](#)

[Frm633721764873281250land-NRI Non technical summary _translated_ 2009.pdf](#)

SECTION 5: MATERIAL USE

1. List equipment (including drills, pumps, aircrafts, vehicles etc.):

Equipment type and number	Size â€" dimensions	Proposed use
Twin Otter	_____	Mobilisation and demobilisation of field camp
Helicopter	_____	Movement of fieldcamps
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Detail fuel and hazardous material use:

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel	_____	_____	_____
Gasoline	_____	_____	_____
Aviation fuel	_____	_____	_____
Propane	_____	_____	_____
Other	Kerosene 2 x 30 litre	60	Jerry Cans
Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3. Detail daily water consumption rates

Daily amount (in Litres)	Proposed water retrieval methods	Proposed water retrieval location
<20	Collection from streams	Streams close to field camp

4. Have you applied for a Class A Licence with the Nunavut Water Board?

(x) YES () NO

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage (human waste)	Very small quantity (210 person days)	Burial	_____
Greywater	None	_____	_____
Combustible wastes	Very small quantity	Burning and returning of unburnt material and ash to Resolute	_____
Non-Combustible wastes	Very small quantity	Returned to Resolute for disposal	_____
Overburden (organic soil, waste material, tailings)	None	_____	_____
Hazardous waste	None	_____	_____
Other:	_____	_____	_____

2. Will you be incinerating combustible waste, removing all solid waste, and removing the ash generated from incineration?

(x) YES

() NO

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

Minute	_____	_____	_____
Community	Name	Organization	Date Contacted
Resolute	Aziz Kheraj	South Camp Inn	June 2007
_____	_____	_____	_____
_____	_____	_____	_____

2. How will the proposed project benefit Nunavut? Will your project provide local employment or training opportunities? Please specify.

The data collected during this study will provide a better understanding of the geological evolution of the Canadian Arctic Islands, and its regional significance in a circum-Arctic context. Such studies contribute information that may be used to support

3. Please describe the nature of local services and/or logistic support that will be required from local communities, eg. Equipment, accommodations, outfitting, translations...

Letter to the Grise Fiord Hunter and Trapper Association, Ellesmere Island

4. Describe and attach documentation regarding community support or concerns for the proposed project?

Frm633721769914062500land-Translated letter seeking community support.pdf

5. Is there a traditional knowledge component to this research project? If yes, please explain:

N/A

SECTION 8: GENERAL QUESTIONS

1. Do you give NRI permission to publish project information in the Nunavut Research Institute Annual Compendium of Research Undertaken in Nunavut?

(x) YES

() NO

2. Is the proposed research associated with International Polar Year (IPY)?

() YES

(x) NO

Applicant:

Signature	Title	Date
-----------	-------	------