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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 [Arctic carbonates, sandstones and volcanic rocks, Hvitland Peninsula, NW Ellesmere Island](#)

1b. Project Number

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

Yes ☐ No ☒

If yes, please indicate the previous NRI licence number: _____

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

Yes ☐ No ☒

If yes, please indicate the previous NIRB licence number(s): _____

2. Applicant's full name and mailing address:

[Benoit Beauchamp](#)

Phone: [403 220-8266](#)

[University of Calgary](#)

Fax: _____

[Calgary, AB T2N 1N4](#)

Email: bbeaucha@ucalgary.ca

3. Field Supervisor's name and mailing address:

[Benoit Beauchamp](#)

Phone: [403 220-8266](#)

[University of Calgary](#)

Fax: _____

[Calgary, AB T2N 1N4](#)

Email: bbeaucha@ucalgary.ca

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

[Steve Grasby, Adjunct Professor, U Calgary](#)

[B.Sc. Student \(TBD\), U Calgary](#)

[Eric Pelletier, M.Sc. Student, U Calgary](#)

[B.Sc. Student \(TBD\), U Calgary](#)

[Daniel Calvo, M.Sc. Student, U Calgary](#)

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 (DND) |
| <input type="checkbox"/> Department of Fisheries and Oceans (DFO) | <input type="checkbox"/> Hamlet |
| <input type="checkbox"/> Community Government & Services (CG&S) | <input type="checkbox"/> Parks Canada (PC) |
| <input checked="" type="checkbox"/> Nunavut Research Institute (NRI/GN) | <input type="checkbox"/> Canadian Wildlife Service (CWS) |

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

☐ Other (please specify): _____

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

Permit:

Expiry Date

No active permits, licenses on this project.
This is a new project on Hvitland Peninsula, NW Elle
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 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 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 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)

5

 Total No. of
days on-site
= (B)

28

 Total No. of
Person days
(A) × (B)
=

140
3. Timing

Period of operation:

June 16, 2013

to

July 13, 2013

Proposed term of authorization:

June 10, 2013

to

August 15, 2015

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

In 2013, we will spend a maximum of 28 days in the field between June 16 and July 13, 2013.
Similar operations will be held in 2014 and 2015 as part of the same project.

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
Otto Fiord A	North Baffin	81 26 N / 84 26 W	340C	Crown
Otto Fiord B	North Baffin	81 24 N / 84 36 W	340C	Crown
Otto Fiord C	North Baffin	81 16 N / 85 49 W	340C	Crown
Otto Fiord D	North Baffin	81 18 N / 85 20 W	340C	Crown

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) _____

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

 [Browse...]
 [Browse...]
 [Browse...]

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?

 [Browse...] [Browse...] [Browse...]

SECTION 5: MATERIAL USE

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

Equipment type and number	Size â€” dimensions	Proposed use
Twin Otter (PCSP)		To get to Otto Fiord
Helicopter (PCSP)	206L	To go to fly camp sites
Generator (Honda)	700 watts	To recharge computers

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	1 @ 35 litres	30 litres	Gerry can
Aviation fuel			
Propane	1 @ 35 litres	30 litres	Safe propane container
Other			

Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	

3. Detail daily water consumption rates

Daily amount (in Litres) 12 litres Proposed water retrieval methods Melted snow or scooped out water from Proposed water retrieval location Snow patches or creeks near fly camps

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

<input checked="" type="radio"/>	YES	<input type="radio"/>	NO
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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)	2 kgs per day	Burned as much as	Unburned waste to be sealed
Greywater	2 litres per day	In dugged out pits	Pits to be backfilled
Combustible wastes	1 kg per day	Burned as much as	Unburned material packed and
Non-Combustible wastes	1 kg per day	Crushed and bagged	Shipped to Resolute for disposal
Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			

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

☒ 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	<input type="text" value="Browse..."/>	<input type="text" value="Browse..."/>	<input type="text" value="Browse..."/>
Community	Name	Organization	Date Contacted

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

This project creates scientific knowledge that will help Nunavut understand its geological history

3. Please describe the nature of local services and/or logistic support that will be required from local communities, eg. Equipment, accommodations, outfitting, translations...**4. Describe and attach documentation regarding community support or concerns for the proposed project?****5. Is there a traditional knowledge component to this research project? If yes, please explain:**

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?

☒ YES

☐ NO

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

☐ YES

☒ NO

Applicant:



Benoit Beauchamp

Professor

Feb 13, 2013

Signature

Title

Date

P.O. Box 1720 Iqaluit, NU, X0A 0H0 • PHONE: 867-979-7279 • FAX: 867-979-7109 • email mosha.cote@arcticcollege.ca

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Submit

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