



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 **CASE 12 Vednom Fiord**

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: **0202708N-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): **07YN052, 08YN045**

2. Applicant's full name and mailing address:

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Email: **Karsten.Piepjohn@bgr.de**

3. Field Supervisor's name and mailing address:

Detlef Damaske
Federal Institute for geosciences and Natural Resources (BGR)
Stilleweg 2, 30655 Hannover, Germany

Phone: **+49 / 511 643 26 92**
Fax: **+49 / 511 643 36 63**
Email: **Detlef.Damaske@bgr.de**

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

Felix Goldmann, technician, BGR
Harald Andruleit, geologist, BGR
Matrina Dolezych, geologist, Dresden

Lutz Reinhardt, geologist, BGR
Frank Lisker, geologist, Bremen
Steve Rippington, geologist, Cambridge

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 checked="" 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) |
| <input checked="" type="checkbox"/> Department of Culture, Language, Elders, and Youth (CLEY/GN) | <input type="checkbox"/> Other (please specify):
_____ |

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

Permit:	Expiry Date
_____	_____
_____	_____

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 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 checked="" 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 checked="" 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 checked="" 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) =
maximum 14	26	maximum 364

3. Timing

Period of operation:	2011/08/05	to	2011/08/30
Proposed term of authorization:	2011/06/01	to	2011/09/30

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

scheduling of each phase.

Spring 2011: transport of 150 drums of fuel to Vendom Fiord; 2011/08/05: flights Resolute-Vendom Fiord(staff + equipment); 2011/08/06: set-up base camp; 2011/08/07 - 2011/08/28: Aeromagnetic survey and geological field work;
2011/08/29: packing, cleaning-up and putting-down base camp; 2011/08/30: flights back Resolute Bay (staff, equipment); September 2011: transport empty fuel drums back to Resolute Bay

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
Area between Strathcona Fiord and Split Lake	Ellesmere island (North Baffin)	N78°03	49D, 49E	partly Inuit owned?
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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

Lat (degree/minute) **N78°03** Long (degree/minute) **W82°15**

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

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

[Frm634324162808489389land-Overview Map CASE 12.cdr](#)

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?

[Frm634324162808489389land-CASE 12 Non-technical Project Proposal Summary.doc](#)

SECTION 5: MATERIAL USE

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

Equipment type and number	Size â€” dimensions	Proposed use
_____	_____	_____
Twin Otter	_____	Transport of persons and equipment to Vendom Fiord and back
Helicopter 206L	_____	Aeromagnetic survey and support of geologists in the field
tents	_____	base camp
_____	_____	_____
_____	_____	_____

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	2		400 litres	drums
Gasoline	_____		_____	_____
Aviation fuel	150		30000 litres	drums
Propane	3		_____	tanks
Other	_____		_____	_____
Hazardous Materials and Chemicals			Total Amount of Hazardous Materials and Chemicals (in Litres)	
nothing	_____		_____	_____
_____	_____		_____	_____
_____	_____		_____	_____

3. Detail daily water consumption rates

Daily amount (in Litres)	Proposed water retrieval methods	Proposed water retrieval location
50 litres	dipping	sink hole

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

() YES (x) 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)	?	burying	_____
Greywater	?	drainage into sink hole	_____
Combustible wastes	?	Return to Resolute Bay	_____
Non-Combustible wastes	?	Return to Resolute Bay	_____
Overburden (organic soil, waste material, tailings)	Nothing	_____	_____
Hazardous waste	Nothing	_____	_____
Other:	batteries	Return to Resolute Bay	_____

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	Name	Organization	Date Contacted
Grise Fiord	_____	Hamlet	2011/01/31
Grise Fiord	_____	Iviq Hunters and Trappers Organsation	2011/01/31
_____	_____	_____	_____

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

As we do not have any licenses for guns, we would like to hire three young Inuit from Grose Fiord and/or Resolute Bay as field guides and polar bear monitors

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

CASE 12 is supported by PCSP, Reoslute Bay

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:

No

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:

Karsten Piepjohn

Signature

Dr

Title

2011/02/04

Date

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