

## 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*.

For more information about the Nunavut Research Institute (NRI) please visit our web site [www.nri.nu.ca](http://www.nri.nu.ca)

### 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.

### SECTION 1: APPLICANT INFORMATION

1a. Project Title

THE PALAEOENVIRONMENTAL AND STRUCTURAL  
EVOLUTION OF THE SVERDRUP BASIN.

1b. Project Number

701-14 (P.C.S.P.)

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:

02 001 142-M

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 project number(s):

074N003

2. Applicant's full name and mailing address:

DR PETER HULSE  
CASP, WEST BUILDING,  
181A HUNTINGDON ROAD,  
CAMBRIDGE, CB30DH, UK

Phone: 00 44 1223 768292

Fax:

Email: peter.hulse@casp.cam.ac.uk

3. Field Supervisor's name and mailing address:

MR CLIVE JOHNSON  
(LOGISTICS MANAGER)  
CASP

Phone: 00 44 1298 25405

Fax:

Email: clive@polarsphere.co.uk

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

DR BERTA LOPEZ-MIR

GEOLOGIST - CASP

DR SIMON SCHNEIDER

GEOLOGIST - CASP

MR TIMOTHY BURTON

FIELD ASSISTANT - CASP

### SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

☐  
☒  
☐

Regional Inuit Association (RIA)

Nunavut Water Board (NWB)

Nunavut Planning Commission (NPC)

☐  
☐

Department of Indian And Northern Development (DIAND)

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)  
☐ Canadian Launch Safety (CLS)  
☐ Environment Canada (EC)  
☐ Department of Environment (GN)

- ☐ Department of National Defense (DND)  
☐ Hamlet  
☐ Parks Canada (PC)  
☐ Canadian Wildlife Service (CWS)  
☒ Other (please specify):

P.C.S.P.

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

- ☒ Temporary camp (to be removed at end of field season)  
☐ Permanent camp (to remain for life of authorization)  
☐ Construction of recreational or safety cabin  
☐ Temporary fuel storage (to be removed at end of field season)  
☐ Permanent fuel storage (to remain for life of authorization)  
☐ Placement of structures for life of permit (other than camp or cabin – i.e. scientific instruments)  
☐ Placement of permanent structures (other than camp or cabin – i.e. scientific instruments)  
☐ Air surveys (i.e. geophysical, wildlife)  
☐ Use of aircraft/watercraft/land vehicle for personnel drop-off and pick-up to project location  
☐ Use of on-site mechanized vehicles (i.e. atv, snowmobile, truck, zodiac)  
☐ Sewage or grey water disposal via sump  
☐ Hazardous waste storage or disposal  
☐ Solid waste disposal  
☐ Chemical storage  
☐ Explosives storage  
☐ Soil testing

- ☐ Soil disposal/ soil storage  
☒ Incineration of combustible wastes and removal of non-combustible wastes  
☐ River/ stream/ lake crossing or work/ bridge  
☐ Drainage alteration  
☐ Geoscientific sampling by diamond drilling  
☐ Geoscientific sampling by soil sampling  
☐ Geoscientific sampling by trenching  
☐ Geoscientific sampling by borehole core  
☐ Blasting  
☐ Channeling  
☐ Excavation  
☐ Hydrological testing  
☐ Abandonment and restoration  
☐ Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring)  
☒ Research  
☐ Ecological survey  
☐ Harvesting  
☐ Removal of vegetation for scientific purposes  
☐ Other:

#### 2. Personnel

Total No. of personnel on site = (A)

4

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

60

Total No. of Person days

(A) × (B) = 240

#### 3. Timing

Period of operation:

Proposed term of

authorization:

20<sup>th</sup> JUNE 2015

to

20<sup>th</sup> - AUG 2015

to



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

PHASE 1 - TANQUARY FJORD - 2015 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 #	Land Status Crown, Commissioners', Inuit Owned
TANQUARY	ELLESMERE ISLAND	81° 07' N, 78° 50' W	—	N/K

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

Lat (degree/minute) \_\_\_\_\_ Long (degree/minute) \_\_\_\_\_

NTS Map Sheet # (if different from above) \_\_\_\_\_

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?

## SECTION 5: MATERIAL USE

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

Equipment type and number	Size – dimensions	Proposed use
N/A		

### 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			
<b>Hazardous Materials and Chemicals</b>		<b>Total Amount of Hazardous Materials and Chemicals (in Litres)</b>	

### 3. Detail daily water consumption rates

Daily amount (in Litres)	Proposed water retrieval methods	Proposed water retrieval location

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

☐ 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)	SMALL	BURIED	—



Greywater			
Combustible wastes	10 kg	BURNED	
Non-Combustible wastes	10 kg	RETURNED FOR DISPOSAL.	
Overburden (organic soil, waste material, tailings)	N/A		
Hazardous waste	N/A		
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:

NO COMMUNITY INVOLVEMENT

Community	Name	Organization	Date Contacted

2. How will the proposed project benefit Nunavut?

TO ALLOW A GREATER UNDERSTANDING OF THE GEOLOGY IN THE AREA. HOW THIS RELATES TO OTHER PARTS OF THE ARCTIC AND TO INDICATE ECONOMIC RESOURCE POTENTIAL.

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

3. In addition to the application form, applicants are required to submit additional information in an electronic format to the Manager, Research Liaison, [cfilion@nac.nu.ca](mailto:cfilion@nac.nu.ca). Please check that the following have been submitted to NRI:

- ☒ Project Summary -in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot)
- ☒ NTS Maps of the project

Applicant:

Clive Johnson  
Signature

CLIVE JOHNSON

LOGISTICS MANAGER  
Title

CASP

26 NOV 2014  
Date