

**SCIENTIFIC RESEARCH LICENCE**

LICENCE # 0401508N-M

ISSUED TO: Scott Lamoureux  
Department of Geography  
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Kingston, ON  
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613 533-6033

TEAM MEMBERS: K. Kathan

AFFILIATION: Queens University

TITLE: Reconstructing climate and river fluctuations at Pelly Bay, Nunavut

**OBJECTIVES OF RESEARCH:**

The goal of this project is to investigate past climate changes and river fluctuations using sediment cores collected from Pelly Bay and lakes in the Kugaaruk region. The amount and type of sediments that rivers deliver into bays and lakes depends on the local weather. Because of this the mud provides a record of the past climate. Observing the modern conditions will help to determine how weather controls which rivers are providing the mud, how much mud there is, where that mud goes in the bay, and when different types of mud are deposited. We hope to be able to evaluate both large (the Arrowsmith and Kellet Rivers) and small lakes to determine how they contribute to the sediment record and how they reflect changes in the climate.

**TERMS & CONDITIONS:**

The holder of this licence will be bound by the terms and conditions from the Nunavut Impact Review Board Screening Decision Report (08YN065) and per the Department of Culture, language, Elders and Youth Archeological Sites Terms and conditions.

**DATA COLLECTION IN NU:**

DATES: August 01, 2008-August 14, 2008

**LOCATION:**

Scientific Research Licence 0401508N-M expires on December 31, 2008

Issued at Iqaluit, NU on July 28, 2008

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Mary Ellen Thomas  
Science Advisor

July 28, 2008

Scott Lamoureux  
Department of Geography, Queens University  
Kingston, ON  
K7L 3N6 CA

**RE: 2008 Science Research Licence**

Please find enclosed your 2008 Research Licence No. **0401508N-M** which was prepared under the *NUNAVUT SCIENTISTS ACT*. Should you require further support from the NRI Research Centre, please contact the Manager to discuss your research needs.

Please be advised that this multi-year licence is subject to all criteria established in the *Nunavut Land Claim Agreement* and will be subject to any future changes that may occur in the *Nunavut Land Claim Agreement*. A multi-year licence may also be revoked for any of the following:

- the researcher fails to submit an Annual Summary Report
- the researcher breaches any term or condition set out in the licence
- the researcher fails to renew associated licences
- complaints with *just cause* are received concerning the project or any project team member
- the researcher fails to notify the NRI of any changes to the project

**Important Renewal Information**

Multi-year licences are granted for the duration indicated on your application form. All NRI licences however, expire at the end of each calendar year. To renew your licence each year, according to the *Scientists' Act*, researchers must submit a 500-1000 word non-technical *Annual Summary* of your research activities and findings in English *and* Inuktitut or Inuinnaqtun. The translation ensures maximum accessibility of your research results to Nunavut residents. A list of translators is available from the NRI.

Upon completion of your fieldwork in Nunavut, please ensure that you submit a *Final Report* with an English and translated executive summary. Copies of papers that you publish are appreciated. Electronic copies of reports Microsoft Word or Adobe PDF would be most appreciated for posting on the NRI web site ([www.nri.nu.ca](http://www.nri.nu.ca)).

Thank-you in advance for assisting in the promotion and development of a scientific research community and database within Nunavut. The reports and information you provide are utilized to prepare an annual research compendium, which is distributed to communities and organizations in Nunavut as well as to researchers across Canada.

Please accept our best wishes for success in your research project.

Sincerely,

Andrew Dunford