

---

## Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

Box 1720, Iqaluit, NU X0A 0H0 phone:(867) 979-7279 fax: (867) 979-7109 e-mail:

[mosha.cote@arcticcollege.ca](mailto:mosha.cote@arcticcollege.ca)

---

### SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 023 16R-M-amended

ISSUED TO:

Wayne Pollard  
Department of Geography  
McGill University  
805 Sherbrooke St. W.  
Montreal, Quebec  
H3A 2K6 CA  
514 398-4454

TEAM MEMBERS:

C. Omelon, D. Anderson, H.Larsson, M. Templeton, M. Ward,  
C.Bernard Grand'Maison, G. Alcorn, X. Gao, H. Moidu

AFFILIATION:

McGill University

TITLE: An investigation of the sensitivity of high Arctic permafrost to climate change

OBJECTIVES OF RESEARCH:

This project looks at the impact of climate change on high arctic permafrost conditions and high arctic landscapes. The aims of this project are: (1) to monitor climate conditions for different types of landscape (eg tundra, mountains, coasts, wetlands ...) and assess how much the climate is changing, (2) to determine the amount and rate of landscape change caused by warming and melting permafrost, and (3) to map these changes from for the period 2007-2011. The information collected in this study will improve our general understanding about climate and permafrost as well as help to predict how the land will respond as climates warm. This study also contributes new information about high Arctic permafrost and ground ice conditions, the sensitivity of high arctic permafrost to climate change and background data upon which landscape changes can be documented. Another component of this project looks at long-term changes in high Arctic landscapes by looking at how rock surfaces are being weathered and eroded. This research will help northern understand how landscapes are changing and will change in the future.

TERMS & CONDITIONS:

The holder of this licence will be bound by the terms and conditions from the Nunavut Impact Review Board Screening Decision Report and per the Department of Culture & Heritage Archeological Sites terms and conditions. These terms and conditions will form part of this licence

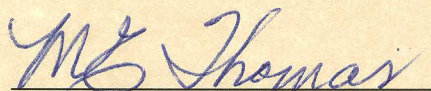
DATA COLLECTION IN NU:

DATES: July 01, 2016-August 30, 2016

LOCATION: Ellesmere Island, Axel Heiberg Island

Scientific Research License 02 023 16R-M-amended expires on December 31, 2016

Issued at Iqaluit, NU on March 01, 2015



Mary Ellen Thomas  
Science Advisor

