

# Nunavummi Qaujsaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

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TEAM MEMBERS: M. Sliger, A. Pedersen, J. Tiktalek, A. Maksagak, M. Bjorkman

AFFILIATION: Polar Knowledge Canada

TITLE: Permafrost Dynamics in Response to Climate Change on Victoria Island, Nunavut

### OBJECTIVES OF RESEARCH:

Permafrost (frozen ground) is very vulnerable to rapid changes in climate and has the potential to affect many aspects of life for the people that live there. However, very little information exists on the permafrost conditions in the Central Canadian Arctic. The objective of the project is to gather baseline information on the current permafrost conditions in this part of the Arctic. As a first step, our fieldwork activities will focus on the Cambridge Bay area. This project has three specific objectives: (1) Characterize the permafrost conditions; (2) Monitor changes in permafrost landscapes; (3) Assess the impacts of permafrost disturbances on the ecosystems.

### TERMS & CONDITIONS:

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


### DATA COLLECTION IN NU:

DATES: June 15, 2019-August 31, 2019

LOCATION: Grenier Lake Watershed, Cambridge Bay

Scientific Research License 04 030 19R-M expires on December 31, 2019

Issued at Iqaluit, NU on June 13, 2019

for   
Mary Ellen Thomas  
Science Advisor

