

# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 025 19R-M

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AFFILIATION: Laval University

TITLE: NEIGE (Northern Ellesmere Island in the Global Environment)

### OBJECTIVES OF RESEARCH:

This is a follow-on of our work in the program NEIGE, to continue monitoring and environmental measurements in Quttinirpaaq National Park's lakes, fiords and vicinity. We will determine the diversity of microbial life in shallow water communities using state of the art molecular techniques, characterize the physical characteristics and processes within northern Ellesmere Island's meromictic lakes, and define the structure and function of microbial food webs within Lake A, C1, Ward Hunt, Disraeli Fjord and Milne Fjord using HPLC and flow cytometry analyses at Laval University. Our climate stations will continue to provide long-term air and soil monitoring data for this globally important site.

### 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 archeological sites terms and conditions. These terms and conditions will form part of this licence.

### DATA COLLECTION IN NU:

DATES: May 01, 2019-August 31, 2019

LOCATION: Quttinirpaaq National Park, Resolute Bay Lakes, Markham Ice Shelf

Scientific Research License 02 025 19R-M expires on December 31, 2019

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*for*  
  
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Mary Ellen Thomas  
Science Advisor

