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# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 016 21R-M

ISSUED TO: Warwick Vincent  
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TEAM MEMBERS: D. Antoniadis, V. Langlois, C. Girard, P.B-Desbiens, P. Iqaluk,  
E. Cameron, 1 student TBA

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 archaeological sites terms and conditions. The license holder will abide by all special public health protection measures imposed by Nunavut's Chief Medical Officer of Health in response to the Covid-19 Pandemic, including restrictions on non-essential travel to Nunavut. These terms and conditions will form part of this licence.

### DATA COLLECTION IN NU:

DATES: May 01, 2021-August 31, 2021  
LOCATION: Northern Ellesmere Island Coast

Scientific Research License 02 016 21R-M expires on December 31, 2021  
Issued at Iqaluit, NU on February 25, 2021



Mary Ellen Thomas  
Science Advisor

