

Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 005 19R-M

ISSUED TO: Alison Criscitiello
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AFFILIATION: University of Alberta

TITLE: Airborne Geophysical Characterization of the Hypersaline Subglacial Lake Complex
Beneath Devon Ice Cap and their Surrounding Subglacial Environment

OBJECTIVES OF RESEARCH:

The purpose of this project is to collect data to further investigate the geological, hydrological and glaciological framework of the Devon hypersaline subglacial lakes. In particular, we aim to derive the full spatial extent of the subglacial lake complex, to characterize their surrounding bedrock conditions (i.e. properties of the sediments/rock) and to derive their hydrological connectivity with the surrounding subglacial environment. Knowledge of the surrounding geological context, in particular where the ice is underlain by the salt-bearing rock unit, along with the surrounding subglacial hydrological conditions are important input parameters for numerical modeling that are required to better understand the physical and chemical characteristics of these hypersaline subglacial lakes.

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.

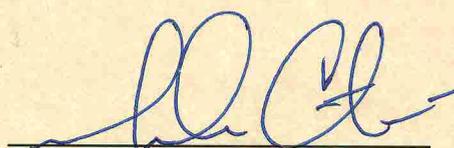
DATA COLLECTION IN NU:

DATES: February 01, 2019-July 31, 2019

LOCATION: Devon Ice Cap, Ellesmere Island, Axel Heiberg Island

Scientific Research License 02 005 19R-M expires on December 31, 2019

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For 

Mary Ellen Thomas
Science Advisor

