
Nunavummi Qaujisagtulirijikkut / Nunavut Research Institute

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SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 017 15R-M

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TITLE: Climate change effects of a changing cryosphere on Northern lakes

OBJECTIVES OF RESEARCH:

Climate change is projected to cause significant change to arctic aquatic ecosystems. Changes in the thickness and composition of arctic lake ice covers will produce second order impacts on lake biological productivity and ecology. The most important effects are likely to result from changes in temperature (ice growth) and precipitation (ice cover composition). While a number of models have been developed to model these changes, their validation has been stalled by lack of relevant field data. Relevant field data has been gathered annually since 2009. In 2014, the objective is to repeat surveys at the above noted lakes with the assistance of local contractors or agencies.

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: May 08, 2012-June 16, 2016

LOCATION: Cornwallis Island, Axel Heiberg Island, Victoria Island, Ellesmere Island, Queen Maude Gulf, Grenier Lake

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Mary Ellen Thomas
Science Advisor

