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# Nunavummi Qaujisaqtulirijiklut / Nunavut Research Institute

Box 1720, Iqaluit, NU X0A 0H0 phone: (867) 979-7279 fax: (867) 979-7109 e-mail:  
[mosha.cote@arcticcollege.ca](mailto:mosha.cote@arcticcollege.ca)

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 05 061 11N-A

ISSUED TO: Terry Prowse  
Water & Climate Impacts Research Centre/Environment Canada  
University of Victoria  
PO Box 3060  
Victoria, BC  
V8W 3R4 Canada  
250 363 3901

TEAM MEMBERS: T.Prowse, L.deRham, T.Carter, R.Brooks, F.Wrona, P.diCenzo

AFFILIATION: University of Victoria

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 will be obtained by sampling of lake ice thickness during spring 2011.

### 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, Language, Elders and Youth archaeological sites terms and conditions. These terms and conditions will form part of this licence.

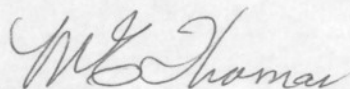
### DATA COLLECTION IN NU:

DATES: April 15, 2011-September 02, 2011

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

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Mary Ellen Thomas  
Science Advisor

