

# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 04 002 17R-M

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AFFILIATION: University of Manitoba

TITLE: Winter to Summer Transitions in the Arctic-Ice Covered Ecosystem (Arctic-  
ICE) - Multiyear Project

### OBJECTIVES OF RESEARCH:

Climate warming has induced rapid change in the ice-covered marine ecosystem of the high Arctic. In this project we will investigate: (1) physical and biological processes controlling the timing of marine primary production, which has been hypothesized as an indicator of potential change in the ecosystem, (2) the influence of rivers and sea ice melt on the freshwater budget and organic carbon cycle in coastal bays near Cambridge Bay, and (3) microbial diversity in sea ice, seawater and marine sediments as it relates to in situ biogeochemical cycling and the potential microbial response to increased industrial activity, e.g., oil spills.

### 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.

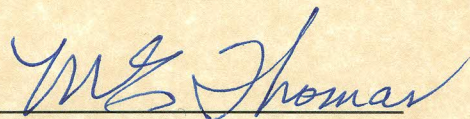
### DATA COLLECTION IN NU:

DATES: January 01, 2017-December 31, 2017

LOCATION: Dease Strait, Wellington Bay, Queen Maud Gulf, Finlayson Islands

Scientific Research License 04 002 17R-M expires on December 31, 2017

Issued at Iqaluit, NU on December 19, 2016



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