

# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

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TITLE: Cretaceous High Arctic Paleoenvironmental and Paleoclimate Change.

### OBJECTIVES OF RESEARCH:

The purpose of our study is to develop a biostratigraphic scheme using small marine microfossils and correlate their occurrences with a framework based on chemical parameters such as carbon isotopes measured on sediments, and to understand ancient marine passageways that connect the Sverdrup Basin during Cretaceous time and with that, revise existing paleogeographic maps. An improved understanding of the past will allow us to project how the present Arctic Ocean might change as the earth continues to warm.

### 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: July 02, 2014-July 26, 2014

LOCATION: Glacier Fiord, Lost Hammer Diapir, Slidre Fiord

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Mary Ellen Thomas  
Science Advisor

