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# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 024 12R-M

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TEAM MEMBERS: E.Turner,D.Long,K.Hahn,T.Chevrier

AFFILIATION: Laurentian University

TITLE: Geology of the Mesoproterozoic Bylot Basins, Nunavut

### OBJECTIVES OF RESEARCH:

This project's field activity is focussed on the origin of a set of 1.1 billion year-old dolostone rocks on northern Baffin Island. The dolostone was deposited in an ancient ocean during a time when Earth's crust in what is now eastern Nunavut was stretching and forming a low area filled by sea water, which spans what is now northern Baffin Island. These dolostone masses were deposited in deep water only where regional fractures in Earth's crust reached the sea floor; the fractures facilitated stretching and faulting of the crust and emitted fluids that promoted dolostone formation.

### 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 by the Department of Culture, Language, Elders and Youth archeological sites terms and conditions. These terms and conditions will form part of this licence.


### DATA COLLECTION IN NU:

DATES: June 10, 2012-August 20, 2014

LOCATION: Bylot Island Basins

Scientific Research License 02 024 12R-M expires on December 31, 2012

Issued at Iqaluit, NU on April 10, 2012



Mary Ellen Thomas  
Science Advisor

