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# Nunavummi Qaujisaqtulirijikkut / 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 # 02 062 10R-M

ISSUED TO: Elizabeth C. Turner  
Department of Earth Sciences  
Laurentian University  
Sudbury, Ontario  
P3E 2C6 Canada  
705 675 1151 x2267

TEAM MEMBERS: E. Turner, D. Long

AFFILIATION: Laurentian University

TITLE: Architecture, evolution and metallogeny of Mesoproterozoic sedimentary basins of the eastern Canadian Arctic Islands

### OBJECTIVES OF RESEARCH:

The project will focus on limestone/ dolostone (known to contain Zn-Pb±Cu±Ag deposits on northern Baffin Island) and sandstone/ conglomerate (potential U hosts) in three Mesoproterozoic (1.6 to 1.0 billion years ago) sedimentary basins of northern Nunavut. This project will make major contributions in three areas: (1) defining the economic prospectivity of the Mesoproterozoic basins of northeastern Nunavut by identifying features that may have contributed to concentrating metals; (2) contributing to the international literature on the nature of early Earth's oceans and biotas, prior to the advent of multicellular life or life on land; and (3) reconstructing the structural, stratigraphic and sedimentological configuration of three basins that are presumed to have been parts of a low-latitude continental margin about 1.2 billion years ago.

### TERMS & CONDITIONS:

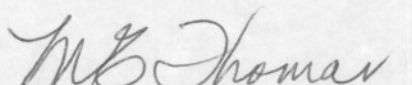
The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (09YN014) and the Department of Culture, Language, Elders and Youth archeological sites terms and conditions. These terms and conditions will form part of this licence.

### DATA COLLECTION IN NU:

DATES: June 01, 2009-August 15, 2011

LOCATION: Adams Sound, Society Cliffs, Fleming Inlet, Paquet Bay

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Mary Ellen Thomas  
Science Advisor

