

Nunavummi Qaujsaqtulirijikkut / Nunavut Research Institute

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SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 031 14N-A

ISSUED TO: Alexis Templeton
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AFFILIATION: University of Colorado

TITLE: Formation and preservation of elemental sulfur in springs relevant to Mars and Europa.

OBJECTIVES OF RESEARCH:

The purpose of this study is to learn what controls the source and chemistry of a spring that discharges water with sulfide gas from a glacier at Borup Fiord. A key question is what microbes live in the water and in the minerals next to the spring. We are also interested in mineral deposits that have formed from ancient springs hundreds to thousands of years ago in almost the same location. Knowledge gained at Borup Fiord will help understand the interaction between water, rocks and life on Earth and other planets such as Mars and Jupiter's moon Europa.

TERMS & CONDITIONS:

The holder of this licence will be bound by the terms and conditions from the Nunavut Impact Review Board's Screening Decision Report and per the Department of Culture & Heritage Archeological sites terms and conditions. These terms and conditions will form part of this licence.

DATA COLLECTION IN NU:

DATES: June 15, 2014-July 15, 2014

LOCATION: Borup Fiord

Scientific Research License 02 031 14N-A expires on December 31, 2014
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for Mary Ellen Thomas
Science Advisor