

Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 023 15R-M

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AFFILIATION: University of Rochester

TITLE: The ultra-warm Arctic 90 million years ago

OBJECTIVES OF RESEARCH:

The 90 million-year-old Arctic region contains a geologic history that records extreme climatic warmth that might provide insight into modern conditions and the potential for future climate change. We are studying fossils (including turtles) from Axel Heiberg Island that attest to the high paleo-temperatures, and volcanic rocks from Axel Heiberg and Ellesmere Islands whose eruption may have contributed carbon dioxide to the ancient atmosphere. We wish to better determine ancient Arctic temperatures and to learn if volcanic activity caused the warm conditions 90 million years ago.

TERMS & CONDITIONS:

The holder of the license will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report and by the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this license.

DATA COLLECTION IN NU:

DATES: July 07, 2015-August 08, 2015

LOCATION: Expedition Fiord, Bunde Fiord, Hansen Point

Scientific Research License 02 023 15R-M expires on December 31, 2015

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Mary Ellen Thomas
Science Advisor

