
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

SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 033 13N-M

ISSUED TO: Gordon Osinski
Department of Earth Sciences
University of Western Ontario
1151 Richmond Street
London, Ontario
N6A 5B7 Canada

TEAM MEMBERS: C. Marion, L. Tornabene, A. Coulter, A. Pontefract, J. Gattacceca,
P. Rochette, C. Romey, 2 TBA students

AFFILIATION: University of Western Ontario

TITLE: The Houghton impact structure, Devon Island, Nunavut: Geological,
biological, and environmental effects

OBJECTIVES OF RESEARCH:

The Houghton impact structure is one of the best preserved and best exposed meteorite craters on Earth. Geological investigations at this crater over the past several years have revolutionized our understanding of various aspects of the impact cratering process. The research of this project focuses on understanding the geological, biological, and environmental effects of the impact event. The objectives of this year's field work is to investigate magnetic/gravity anomaly in the centre of the crater. Map and investigate hydrothermal alteration. Examine endolithic habitats within shocked rocks. Detailed study of the intra-crater sedimentary deposits. Continuation of long term environmental monitoring via several weather stations installed around the crater.

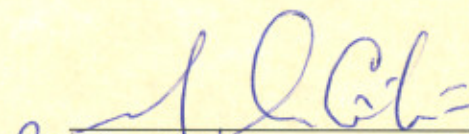
TERMS & CONDITIONS:

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 archeological sites terms and conditions. These terms and conditions will form part of this license.

DATA COLLECTION IN NU:

DATES: July 14, 2013-August 10, 2013
LOCATION: Devon Island

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Mary Ellen Thomas
Science Advisor

