
Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 066 10R-M

ISSUED TO: David Burgess
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TEAM MEMBERS: D. Burgess, J. Zheng, J. Bourgeois

AFFILIATION: Canada Centre for Remote Sensing

TITLE: Glacier Mass Balance and Pollution Studies in the Canadian high Arctic

OBJECTIVES OF RESEARCH:

This is an ongoing study aimed at monitoring the mass balance and pollution levels of the Melville, Meighen, Agassiz, Devon ice caps, and the Grise Fiord Glacier (Figure 1). An additional component to this work will be to measure variations in flow rates of 3 glaciers on the Devon ice cap in order to understand how these glaciers will respond to future climate warming. Transportation at each site will be by snowmobile or helicopter where requested. Meteorological data will also be collected from the 11 automatic weather stations deployed as part of this network. Mass balance measurements provide an indication as to whether the ice caps under investigation are shrinking or growing in any particular year. This work will be performed out of permanent huts that exist on the Meighen and Melville ice caps, and tents on the Agassiz and Devon ice caps.

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 09YA006. These terms and conditions will form part of this licence.

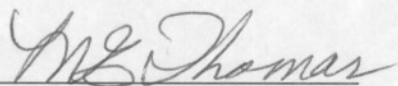
DATA COLLECTION IN NU:

DATES: April 16, 2009-May 01, 2011

LOCATION: Devon Island, Ellesmere

Scientific Research License 02 066 10R-M expires on December 31, 2010

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Mary Ellen Thomas
Science Advisor

