
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 # 0205810N-M

ISSUED TO: Derek Mueller
Environment Canada
Canadian Ice Service
373 Sussex Drive
Ottawa, Ontario
K1A 0H3 Canada
613 947 8504

TEAM MEMBERS: D.Mueller,J.Buggar

AFFILIATION: Canadian Ice Service

TITLE: Ice Island Drift Tracking

OBJECTIVES OF RESEARCH:

The Canadian Ice Service is currently exploring the use of satellite imagery to identify and track ice islands. To fully evaluate these techniques, it is important to have independent confirmation of where the ice islands are drifting. By deploying several tracking beacons on the surface of ice islands we can monitor where some of the dozens of ice islands are in real time. Our results will also be used to create ice charts and advise mariners of these ice hazards in Canadian waters. Several (1 to 5) tracking beacons will be deployed between March and May 2010 near Borden Island by scientists who will be working nearby on a hydrographic survey. They will be placed on ice islands using a helicopter or possibly dropped from an airplane. The ice islands may drift south through the Canadian Arctic Archipelago or to the southwest toward the Beaufort Sea.

TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions (attached) from the Nunavut Impact Review Board Screening Decision Report and by 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: March 01, 2010-April 30, 2011

LOCATION: Ellesmere Island

Scientific Research License 0205810N-M expires on December 31, 2010

Issued at Iqaluit, NU on February 04, 2010


Mary Ellen Thomas
Science Advisor

