

SCIENTIFIC RESEARCH LICENCE

LICENCE # 0402409R-M

ISSUED TO: Scott Lamoureux
Department of Geography
Queens University
Kingston, ON
K7L 3N6 CA
613 533-6033

TEAM MEMBERS: K. Kathan

AFFILIATION: Queens University

TITLE: Reconstructing climate and river fluctuations at Pelly Bay, Nunavut

OBJECTIVES OF RESEARCH:

The goal of this project is to investigate past climate changes and river fluctuations using sediment cores collected from Pelly Bay and lakes in the Kugaaruk region. The amount and type of sediments that rivers deliver into bays and lakes depends on the local weather. Because of this the mud provides a record of the past climate. Observing the modern conditions will help to determine how weather controls which rivers are providing the mud, how much mud there is, where that mud goes in the bay, and when different types of mud are deposited. We hope to be able to evaluate both large (the Arrowsmith and Kellet Rivers) and small lakes to determine how they contribute to the sediment record and how they reflect changes in the climate.

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

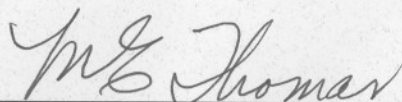
DATA COLLECTION IN NU:

DATES: May 01, 2009-December 31, 2009

LOCATION: Pelly, Kugaaruk region

Scientific Research Licence 0402409R-M expires on December 31, 2009

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Mary Ellen Thomas
Science Advisor

