

SCIENTIFIC RESEARCH LICENSE

LICENSE # 04 027 26R-M-Amended

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TEAM MEMBERS: Please other attached for team members

AFFILIATION: Korea Polar Research Institute

TITLE: Atmospheric Sciences and Terrestrial Ecosystem Studies in Victoria Island

OBJECTIVES OF RESEARCH:

Calibration of gas analyzers, routine maintenance of measurement systems, and data retrieval will be conducted to ensure optimal performance and continuous data acquisition from two flux towers. During the vegetation growing season (early June to mid-September), soil chambers will be deployed to measure CO₂ and CH₄ fluxes across different vegetation types, along with the collection of soil-related environmental data. For the climate change manipulation experiments, environmental data will be collected from the OTCs and snow fences. Soil chambers will also be deployed to measure CO₂ fluxes in collaboration with CHARS. Additionally, soil samples will be collected periodically for the analysis of soil properties during the vegetation growing season. Another objective of the proposed research is to better understand the effect of wind on the snowpack structure. We therefore wish to add a small station for complementary meteorological measurements.

TERMS & CONDITIONS:

The holder of the license will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File # 12YN024) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this license.

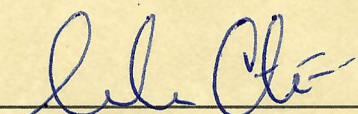
DATA COLLECTION IN NU:

DATES: June 01, 2026-October 31, 2026

LOCATION: Cambridge Bay, Grenier Lake

Scientific Research License 04 027 26R-M-Amended expires on December 31, 2026

Issued at Iqaluit, NU on August 04, 2026

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James Shirley
Science Advisor

