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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 04 008 24R-M

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TITLE: Permafrost Dynamics in Response to Climate Change on Victoria Island, Nunavut

OBJECTIVES OF RESEARCH:

Permafrost is very vulnerable to rapid changes in climate and increasing air temperatures have recently resulted in the intensification of ground instabilities and hazards, including landslides, thaw failure, subsidence, and erosion. In a warming environment, northern permafrost landscapes are expected to undergo major destabilization, which in turn has the potential to significantly impact the geomorphology, hydrology and vegetation and hence biogeochemical cycles of periglacial environments. Decades of work led by Canadian universities and government agencies have provided important insight into the changing state of permafrost landscapes. However, significant geographic gaps in permafrost monitoring still exist in the central Canadian Arctic.

TERMS & CONDITIONS:
The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (18YN020) and the Department of Culture & Heritage archaeological sites terms and conditions.These terms and conditions will form part of this licence.

DATA COLLECTION IN NU:
DATES: May 1,2024 to October 31,2024
LOCATION: Victoria Island

Scientific Research License 04 008 24R-M expires on December 31,2024
Issued at Iqaluit, NU on April 10,2024

Jamal Shirley
Science Advisor

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