

SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 03 012 24R-M

ISSUED TO: Anne-Marie LeBlanc
Geological Survey of Canada
Natural Resources Canada
601 Booth St.
Ottawa, Ontario
K1A 0E8 Canada

TEAM MEMBERS: G.Oldenborger,B.Faucher,W.Sladen,E.Girard,N.Benoit

TITLE: Talik Mapping and Models of Sub-Permafrost Groundwater-Surface Water
Connectivity

OBJECTIVES OF RESEARCH:

The study will take place within the vicinity of the Rankin Inlet area (radius of 25-30 km) in 2023 and 2024. In spring 2023, 2 weeks of fieldwork will be required for water sampling, in-situ water properties measurements, and geophysical (on lake ice) measurements in deep lakes (~>2m depth). During summer 2023, 2 weeks of fieldwork will be required for water sampling, semi-permanent installation of lake bottom instruments in shallow lakes (~<2m depth) that are completely frozen in winter (via small inflatable boats), and permafrost coring. In summer 2024, fieldwork would involve follow-ups at established sites for data collection and retrieval of semi-permanent instruments.

TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and consitions of the Nunavut Impact Review Board Screening Decision Report and the Department of Culture & Heritage archeological sites terms and conditions. These terms and conditions will form part of this licence.

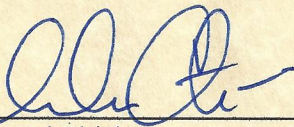
DATA COLLECTION IN NU:

DATES: April 15,2024 to October 15,2024

LOCATION: Rankin Inlet Area

Scientific Research License 03 012 24R-M expires on December 31,2024

Issued at Iqaluit, NU on February 23,2024



Jamal Shirley
Science Advisor

