

SCIENTIFIC RESEARCH LICENSE

LICENSE # 03 019 26R-M

ISSUED TO: Duane Petts
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AFFILIATION: Natural Resources Canada

TITLE: Bedrock Mapping in the Kivalliq Region

OBJECTIVES OF RESEARCH:

Research in 2026 involves targeted bedrock mapping in the Kivalliq region, including following up on previous 2023 field research. Previous mapping, combined with laboratory analyses during 2024-2025, revealed unexpected rock types and new structures in the study area, and changed our interpretation of when and how these rocks formed. Our 2026 field research is focused on confirming the presence of interpreted structures and inferred rock types discovered during previous mapping work. We are proposing two weeks of low-impact geoscience field work, including detailed mapping, sample collection and ground-based geophysics. Geophysics measurements will be conducted using a passive backpack system, which contains specialized sensors that scan the magnetic response of the rocks below the surface. The research team will consist of 5-7 people and we plan to collect hand-sized samples of bedrock from the study area, located approximately 30-80 km N-NE of Rankin Inlet. We plan to be based in Rankin Inlet for the duration of the research, with daily helicopter flights to the map area.

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 #23YN009) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this license.

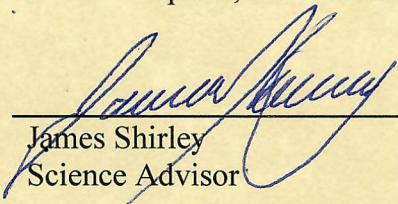
DATA COLLECTION IN NU:

DATES: July 24, 2026-August 05, 2026

LOCATION: Rankin Inlet North

Scientific Research License 03 019 26R-M expires on December 31, 2026

Issued at Iqaluit, NU on June 05, 2026


James Shirley
Science Advisor

