

SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 006 26R-M

ISSUED TO: Laura Brown
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TEAM MEMBERS: D.Iqaluk, E.Steele, R.Forth, X.Zhao

TITLE: Lake Ice in the Canadian High Arctic

OBJECTIVES OF RESEARCH:

The fieldwork plan for 2026 entails 2 weeks in both May and August in Resolute, including day trips to Nanuit Itillinga National Wildlife Area (NI) and lakes on eastern Cornwallis Island. Equipment currently in place that requires downloading/redeploying includes a Shallow Water Ice Profiler (SWIP) ice thickness sensor to record the full ice season, eight outdoor cameras overlooking Plateau, North, Small and Resolute Lakes and Amituk, Sophia, Laura and Eleanor Lakes on eastern Cornwallis Island to capture the snow/ice conditions. At NI, an automated weather station and a secondary remote camera capturing ice conditions on Hunting Camp Lake need to be maintained seasonally to continue the long-term climate/imagery data record essential for modelling and ongoing collaborative projects. May fieldwork will focus on manually measuring the snow and ice thickness on the study lakes and liaising with the community to gain more local knowledge of ice conditions. August work will involve downloading/redeploying the ice thickness sensor and cameras and conducting some repairs on the weather station in NI. The damage that occurred in May 2025 is a major issue for data continuity, as the only long-term station on Bathurst Island.

TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File # 16YN002) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence.

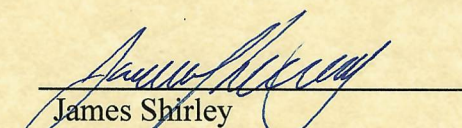
DATA COLLECTION IN NU:

DATES: May 1,2026 to August 31,2026

LOCATION: Cornwallis Island , Bathurst Island

Scientific Research License 02 006 26R-M expires on December 31,2026

Issued at Iqaluit, NU on January 30,2026


James Shirley
Science Advisor

