

SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 022 26N-M

ISSUED TO: Peter Crockford
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AFFILIATION: Carleton University

TITLE: Co-Evolution of Life and Environment across the Ediacaran-Cambrian boundary in
Northeastern Ellesmere Island

OBJECTIVES OF RESEARCH:

The short-term objective of the proposed July 2026 field season is to conduct detailed geological investigation of late Ediacaran to early Cambrian sedimentary strata exposed on Judge Daly Promontory in northeastern Ellesmere Island. During this field season, the research team will measure high-resolution stratigraphic sections, update existing geological mapping, and collect small carbonate and shale samples at approximately 1–3 metre stratigraphic resolution for laboratory-based geochemical analyses. These data will be used to reconstruct changes in marine oxygenation and the global carbon cycle across the Ediacaran–Cambrian boundary. The long-term objectives of the project are to establish the first modern, high-resolution chemo stratigraphic dataset from this stratigraphic succession; to advance understanding of the geological and environmental evolution of Arctic Canada during a critical interval in Earth history; to publish findings in open-access formats; and to deposit resulting datasets in publicly accessible repositories

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 #26YN017) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence.

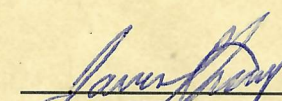
DATA COLLECTION IN NU:

DATES: July 01, 2026-August 05, 2026

LOCATION: Ellesmere Island

Scientific Research License 02 022 26N-M expires on December 31, 2026

Issued at Iqaluit, NU on May 14, 2026


James Shirley
Science Advisor

