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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 04 016 25R-M

ISSUED TO: Milla Rautio
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TEAM MEMBERS: C.M-Jacob, M.Gauthankar, F.Lauzon, C.Rhainds, E.Imbeau, G.Ferland

TITLE: Arctic Freshwater Biodiversity in Cambridge Bay.

OBJECTIVES OF RESEARCH:
In 2025, we will sample lakes, ponds and rivers in the vicinity of Cambridge Bay. The sampling will be conducted in April - December. In April and August, we will sample 5-10 lakes and rivers. In April-December, once a month, we will sample Greiner Lake, a key fishing site and a site of cultural importance to the community. Sampling protocols will consist of standardized limnological sampling and geomorphological measures. We will concentrate on studying the physical environment, carbon, nutrients, and invertebrate communities that provide food for fish in some of the key lakes identified by HTO. Sampling sites will be reached by a skidoo in winter and by an ATV or helicopter (PCSP support confirmed) in summer. An inflatable boat will need to be deployed at each lake in summer. The sampling will be carried out by students and researchers as well as by our local collaborators in Cambridge Bay (identified in the list above). These individuals have also earlier independently sampled for us. The sampling contributes to our ongoing long-term studies carried out in Cambridge Bay since 2017.

TERMS & CONDITIONS:
The holder of the license will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (14YN034) 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: April 20,2025 to December 31,2025
LOCATION: Cambridge Bay, Grenier Lake

Scientific Research License 04 016 25R-M expires on December 31,2025
Issued at Iqaluit, NU on April 3,2025

James Shirley
Science Advisor

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