

**SCIENTIFIC RESEARCH LICENSE**

LICENSE NUMBER 02 015 25R-M

ISSUED TO: Catherine Girard  
Département des sciences fondamentales  
Université du Québec à Chicoutimi  
555 Bd de l'Université  
Chicoutimi, Quebec  
G7H 2B1 Canada

TEAM MEMBERS: D.Sarrazin,R.M-Couture,F.Mercier,F.C.Artiwat,P.B-Desbiens,T.Pitot

TITLE: NEIGE (Northern Ellesmere Island in the Global Environment)

**OBJECTIVES OF RESEARCH:**

The NEIGE project focuses on the impact of climate change on high-Arctic Lake ecosystems. Our goal is to describe the microbial diversity and biogeochemical processes of Arctic lakes, and to understand how their enduring but vulnerable ice cover influences aquatic life. Our sampling involves collection of water, sediment, biofilms and associated ice as well as climate monitoring to project how warming will impact these ice-covered lakes. In 2025, we aim to visit Ward Hunt Island for field sampling, based from the Center for Northern Studies (CEN) laboratory. We will also use PCSP helicopter support to sample lakes on the Northern coast of Ellesmere Island (Lake A, C Lakes). We aim to be on the field in Northern Ellesmere Island for a period of 2 weeks (June 25-July 7, depending on aircraft support schedule via the Polar Continental Shelf Program). Before and after our stay on Ellesmere (June 15-25, July 7-15), we will be in Resolute Bay, where we will collect limnological data from lakes near the community as part of our multi-year monitoring. During this time, we will also meet with community members, our Northern collaborators and the HTO to report our activities and recent results.

**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 # 11YNO25) and by the Department of Culture & Heritage's archaeological sites terms and conditions. These terms and conditions will form part of this license.

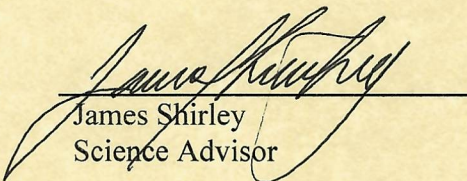
**DATA COLLECTION IN NU:**

DATES: June 10,2025 to July 20,2025

LOCATION: Northern Ellesmere Island Coast, Resolute Bay Lakes

Scientific Research License 02 015 25R-M expires on December 31,2025

Issued at Iqaluit, NU on February 26,2025

  
James Shirley  
Science Advisor

