Nunavut Research Institute / ᓄᓇᕗᒻᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᑦ
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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 020 23N-M

ISSUED TO: Dorthe Dahl-Jensen
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TEAM MEMBERS: T.Gerber,N.Nymand,D.D-Jensen,D.Steinhage

TITLE: An Ice Core on Muller Ice Cap

OBJECTIVES OF RESEARCH:

The project involves going to Axel Heiberg Island twice, once to pick the site of the core and once to drill. In 2023, we plan to have a team of five survey the ice with an ice-penetrating radar and collect some snow samples. We also plan to fly 6 hours of surveys from Resolute Bay, with one aircraft more than 1200 ft above the ice. None of these measurements affect people or animals. In 2024, about 12 people will spend 2-3 months camping on the glacier, drilling the core, and making measurements on the snow. The core will be sent back to laboratories to determine past temperature, snowfall, and sea-ice conditions in the area. The measurements will inform models of the evolution of Müller Ice Cap.

TERMS & CONDITIONS:
The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report 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 8,2023 to May 24,2023
LOCATION: Axel Heiberg Island

Scientific Research License 02 020 23N-M expires on December 31,2023
Issued at Iqaluit, NU on March 22,2023

Jamal Shirley
Science Advisor

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