Nunavut Research Institute / ᓄᓇᕗᑦ ᖃᐅᔨᓴᖅᑐᑦᑕᓕᕆᔨᒃᑯᑦ
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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 022 22R-M

ISSUED TO: Christine Michel
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TEAM MEMBERS: S.Duerksen,P.Trembley,M.P-Jean,E.Kitching,S.Idlout,E.Collins

TITLE: MAP (Multidisciplinary Arctic Program)-Last Ice

OBJECTIVES OF RESEARCH:
This project studies the sea ice of the Canadian Archipelago, to understand the impacts of climate change on the marine ecosystem. This is important since many Arctic species depend on sea ice. The study will take place on the sea ice in the High Arctic Archipelago, during the spring of 2022, from end of April to end of May. We will access sampling sites on the sea ice by snowmobile or helicopter. At each station, we use a small instrument to measure water temperature and salinity. We then collect three ice cores and collect the bottom of the cores where small algae are found. We will also collect water samples to measure small plants (phytoplankton) present in the water and their food. At the end of our sampling, we replace the ice cores in their original location, leaving very little trace of our activities on the site. We are not installing a shelter on the ice as we plan to spend less than 2 h at station. In this project, we plan to collect organisms at bottom to answer questions raised by community members during community consultations in December 2021. Nunavut residents are important members of our team and we anticipate to have 1 or 2 community members in this year's project.

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: April 28,2022 to May 26,2022
LOCATION: Queen Elizabeth Islands

Scientific Research License 02 022 22R-M expires on December 31,2022
Issued at Iqaluit, NU on April 19,2022

Per
Jamal Shirley
Science Advisor