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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 030 24R-M

ISSUED TO: Derek Mueller
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TITLE: Arctic Coastal and Drifting Ice Processes and Dynamics.

OBJECTIVES OF RESEARCH:

Changes in Arctic climate have profound implications for the break-up of coastal ice. In the recent past, there have been large calving events of ice shelves and glaciers that have produced many vast ice islands and icebergs that drift through Nunavut waters. Our research is focused on understanding how various types of coastal ice interact with the atmosphere above, the ocean below as well as meltwater and glacier ice from the adjacent land. In particular, we are interested in how both thick ice (ice tongues, ice shelves) and thin ice (landfast sea ice and lake ice) are melting and breaking-up in a changing climate. In addition, we study how large ice masses (icebergs and ice islands) that break away from the coast, drift and deteriorate.

TERMS & CONDITIONS:
The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (08YN010/09YN071) 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 8,2024 to July 30,2024
LOCATION: Queen Elizabeth Islands, Baffin Island

Scientific Research License 02 030 24R-M expires on December 31,2024
Issued at Iqaluit, NU on May 6,2024

Jamal Shirley
Science Advisor

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