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# Nunavummi Qaujsaqtulirijikkut / Nunavut Research Institute

Box 1720, Iqaluit, NU X0A 0H0 phone:(867) 979-7279 fax: (867) 979-7109 e-mail:  
[mosha.cote@arcticcollege.ca](mailto:mosha.cote@arcticcollege.ca)

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 043 21N-A

ISSUED TO: Robert Pickart  
266 Woods Hole Road  
Woods Hole, MA  
02543 USA

TEAM MEMBERS: H.Furey,F.Bahr,A.Pacini,A.Nornamdeau,E.Patton,P.A-  
Disiage,J.Welker,S.Pedron,B.Kopec,E.Jeansson,K.Vage,S.Semper,  
E.Park

AFFILIATION: Woods Hole Oceanographic Institution

TITLE: Healy Baffin Bay Survey

### OBJECTIVES OF RESEARCH:

The project addresses the pathways and fate of the freshwater and heat carried by the boundary current system of Baffin Bay. We will conduct a shipboard survey on the US Coast Guard Cutter Healy, occupying transects extending from Baffin Island to West Greenland, including transects along some of the channels leading to West Greenland's glacial fjords. Physical and chemical Measurements of the water column will be collected at roughly 300 sites using an instrument package lowered over the side of the ship, and also from sensors on the ship while it is steaming. Seafloor mapping and sub-bottom profiling will be done in designated areas adjacent to Baffin Island. An autonomous vehicle will be deployed in the vicinity of Jakobshavn glacier, West Greenland, to collect detailed physical measurements there.

### 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. The license holder will abide by all special public health protection measures imposed by Nunavut's Chief Medical Officer of Health in response to the Covid-19 Pandemic, including restrictions on non-essential travel to Nunavut. These terms and conditions will form part of this licence.

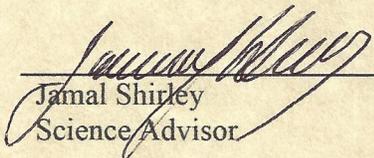
### DATA COLLECTION IN NU:

DATES: September 17, 2021-October 10, 2021

LOCATION: Baffin Bay

Scientific Research License 02 043 21N-A expires on December 31, 2021

Issued at Iqaluit, NU on August 20, 2021

  
Jamal Shirley  
Science Advisor

