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# Nunavummi Qaujisaqtulirijikkut / 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 # 04 009 17R-M

ISSUED TO: Jane Eert  
Institute of Ocean Sciences  
Department of Fisheries and Oceans  
9860 West Saanich Road  
Sidney, BC  
V8I 4B2 Canada

TEAM MEMBERS: M. Dempsey, B. Williams, H. Melling

AFFILIATION: Department of Fisheries and Oceans

TITLE: Canadian Ranger Ocean Watch

### OBJECTIVES OF RESEARCH:

CROW is a project carried out mainly by Canadian rangers as part of their regular activities for DND. Initially, simple but key observational parameters will be measured: snow and ice thickness; snow/ice interface temperature; and in the sea water: temperature, salinity, chlorophyll content, and dissolved oxygen. These quantities will be measured at flexibly determined locations by Canadian Rangers on snowmobiles near the villages of Kugluktuk, Cambridge Bay, Gjoa Haven and Taloyoak on patrols during the ice-covered period. Water properties will be profiled using an internally recording instrument. Profiles will help in understanding circulation and changes in the ocean.

### 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.

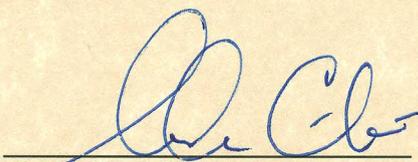
### DATA COLLECTION IN NU:

DATES: March 2, 2017-December 31, 2019

LOCATION: On Waters and Ice near Cambridge Bay, Kugluktuk, Taloyoak, Gjoa Haven

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for   
Mary Ellen Thomas  
Science Advisor

