

# Community-Based Sea Ice and Ocean Research Project

## General Description of Proposed Project and Community Visit

Prepared By:

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### Background:

In January 2017, our group at the University of Manitoba (UofM) Centre for Earth Observation Science (CEOS) in collaboration with the Arctic Eider Society and support from Aqigiq, Arviq, and Sanikiluaq HTO's developed a proposal to POLAR (Polar Knowledge Canada) seeking funding for a community-based sea ice and ocean research project. This project builds on the successful community-based ice and ocean research conducted in Eastern Hudson Bay (Sanikiluaq, Kuujjuarapik, Umiuaq, and Inukjuak) and James Bay (Chisasibi) during the last few years. It expands the research effort into the coastal region of northwestern Hudson Bay, particularly near the communities of Chesterfield Inlet and Naujaat. This project was successful in securing funding from POLAR for the next two years (winter 2018 and 2019).

For more information on the work that has been conducted in Eastern Hudson Bay and James Bay, please visit the Arctic Eider website at <https://arcticeider.com/en/about> and navigate to the IK-Map

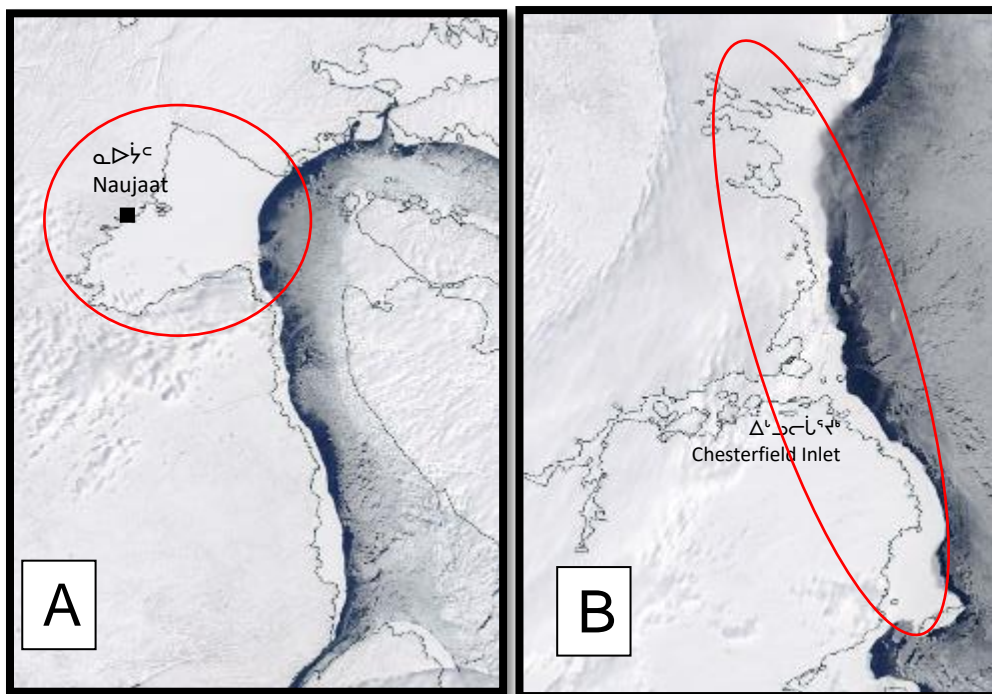
### Proposed Field Work and Data Collection near Naujaat and Chesterfield Inlet (to discuss with communities):

The proposed study and data collection include surveys of sea ice and ocean properties in winter in areas that can be accessed from the community along the landfast ice (see red circles in images below). The proposed overall data collection/field work timeline is:

- 1) February 2018
- 2) April 2018
- 3) February 2019

We would also like to leave a water measuring device in the community for hunters to take out with them and use at their convenience, while at the same time, being compensated for their work.

Images: Our proposed area (marine area circled in red) to study sea ice and winter oceanography near Naujaat (A) and Chesterfield Inlet (B).



## **Proposed Community Visit**

To prepare and plan for this project, we wish to visit Chesterfield Inlet and Naujaat **November 22 to 29, 2017** to discuss this project and receive feedback and input from the community. We wish to meet with members of the HTO and the Hamlet of each community. We would also like to discuss ways to involve youth and will meet with teachers.

Below is an outline of our overall meeting plans (weather dependent).

### **Wednesday November 22nd:**

- Travel from Winnipeg to Naujaat
- Meet with HTO at 7pm
  - Discuss our proposed project
  - Receive feedback on where we should go, what the community would like to see done
  - Discuss logistics and training
  - Seek individuals that would be interested in working with us on this project (guides and citizen scientist)

### **Thursday November 23rd:**

- Meet with Naujaat School in the morning
- Meet with Naujaat with Hamlet Council at 13:30
- Call in radio show in the evening

### **Friday November 24th:**

- Travel back Rankin Inlet
- Jens Ehn and Michelle Clyde Travel to Coral Harbour for the weekend
- Michelle Kamula stays in Rankin Inlet for the weekend.

### **Monday November 27th:**

- Depart Rankin Inlet for Chesterfield Inlet
- Arrive in Chesterfield at ~1:00 pm
- Meet with HTO and Hamlet in the Hamlet Chamber Room
  - Discuss our proposed project
  - Receive feedback on where we should go, what the community would like to see done
  - Discuss logistics and training
  - Seek individuals that would be interested in working with us on this project (guides and citizen scientist)
- If possible call in radio show in the evening (6 pm)

### **Tuesday November 28th**

- Meet with Chesterfield Inlet School
- Jens Ehn flies back to Winnipeg

### **Wednesday November 29<sup>th</sup>**

- Michelle Kamula and Michelle Clyde fly back to Winnipeg.

## **For more information, please contact:**

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