

## **Project Title: Defence Research and Development Canada (DRDC) – Northern Watch Technology Demonstration Project**

Project Location: Gascoyne Inlet, NU

Land Use Permit: N2014N0019

NPC File No.: 150057

NIRB File No.: 08DN056

The DRDC Northern Watch Technology Demonstration Project will demonstrate an arctic maritime surveillance capability to the Department of National Defence and other concerned federal departments. This is a multi-year undertaking and is based at Gascoyne Inlet.

The surveillance demonstration system will be unmanned, semi-autonomous, and remotely controlled through a satellite system connection to one of the DRDC centres.

In preparation for the technology demonstration, annual trips to the Gascoyne Inlet camp will be required. Once the team has arrived the camp their main tasks will include routine camp maintenance and science (research) activities. The on-site team for the 2023 field season is expected to range from 10 to 20 persons, with the normal load being approximately 10 people. The duration of their time on site is expected to be for five weeks within the July 1, 2023 to September 30, 2023 timeframe.

The Gascoyne Inlet camp will also support research activities such as the Recovery of Northern Watch Array, Maritime Autonomous and Remotely Piloted Systems (MARPS) trial, and Long Range Acoustic Transmission (LRAT) trial which will be conducted off-site, via support platforms such as small boats and the Canadian Coast Guard vessel.

The Department of National Defence and the Canadian Armed Forces strive for excellence in environmental stewardship. A Simplified Environmental Study (SES) will be conducted, and the research trials will be conducted with due diligence towards the environment.