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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 049 22N-M

ISSUED TO: Erin MacNeil
Defense Research & Development Canada
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TEAM MEMBERS: S.Blouin,C.Binder,S.Pecknold,R.Mir,S.Spears,M.Simms,G.Murray

TITLE: Defence Research and Development Canada (DRDC) Gascoyne Inlet

OBJECTIVES OF RESEARCH:
The research project will involve four scientific activities and experiments:
1) Arctic Acoustic Recorders (AAR) trial. The AAR trial will deploy underwater acoustic recorders in three locations in Lancaster Sound and Baffin Bay during the period of 23 August to 1 September 2022.
2) Maritime Autonomous and Remotely Piloted Systems. This trial will be undertaken in shallow water near Pond Inlet, NU.
3) Towed Reelable Active/Passive Sonar and Arctic Behavioural Response. Whales will be tagged with suction cup tags that can be programmed to pop off after 8 to 24 hours. A controlled exposure experiment will be performed, and behaviour of the whales will be observed.
4) Long-Range Underwater Acoustic Communication Experiment - This experiment will take place with the participation of the HMCS GOOSE BAY vessel that will deploy both transmitter and recorders. The trial hopes to extend the range of communications underwater. An acoustic projector will transmit at low power for 1 hour every 2-3 hours for about 18 to 20 hours per day for about 2.5 days. Sound will be recorded on stationary recorders.

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: August 01,2022 to September 31,2022
LOCATION: Gascoyne Inlet, Baffin Bay,Davis Strait, Lancaster Sound,Admiralty Inlet

Scientific Research License 02 049 22N-M expires on December 31,2022
Issued at Iqaluit, NU on September 12,2022

Jamal Shirley
Science Advisor

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