

## SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 01 031 24N-M

ISSUED TO: Heather Shilton  
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TEAM MEMBERS: J.Puddister, M.Colden, L.Paczek

**TITLE:** Hydrology Modelling for McKeand River South

### OBJECTIVES OF RESEARCH:

Nunavut Nukkiqsautiit Corporation (NNC) plans to collect river current data at McKeand River South, 60km Northeast of Iqaluit. This is a part of the Front-End Engineering and Design (FEED) stage of investigating the potential for community scale hydroelectric project in Iqaluit. This location was determined in a community vote by Iqalungmiut. The Qikiqtani Inuit Association has also approved support for further investigation of a potential hydroelectric project at this location through a FEED Study. Analysis from a QIA-led Tusaqtavut Study showed that the site at Kuugaluk River had zero reported values in the categories of cultural continuity, fishing and freshwater resource use, marine harvesting, terrestrial harvesting, travel trails and habitation. Based on these factors and support from Iqalungmiut, NNC is continuing to investigate the potential for waterpower at this location. NNC has contracted Sea to Sky Energy Solutions (SSES) to complete the design, installations and monitoring of the two hydrometric stations.

**TERMS & CONDITIONS:**

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File #24YN048) 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:** November 13,2024 to December 31,2024

LOCATION: McKeand River South

Scientific Research License 01 031 24N-M expires on December 31,2024

Issued at Iqaluit, NU on November 13, 2024

  
James Shirley  
Science Advisor

