

PROPOSAL REVIEW

Project Number: 210-15-01

Applicant: Enooyaq Sudlovenick

Title: Arctic char populations

Funding Requested: \$11,500

Rank: 1/2

Total Score 73.15 /100
(0 points deducted)

Scoring Breakdown: NWMB Priority: 7.5 / 7.5
Regional Priority: 17.5/17.5
Quality: 21.75 / 35.00
Consultation: 12.00 / 15
Funding: 14.3 / 25

Project Summary: The primary objective of this project is to determine whether or not fish from seven different lakes in the Pond Inlet area are interbreeding or not (figure 1). The NWMB previously provided funding from the Nunavut Wildlife Studies Fund for the portion of this project that was carried out in the 2014-2105 fiscal year.

Project Contributions:

Requested from NWMB	\$11,500	100%
Other Contributions ¹	<u>\$ 0,000</u>	<u>0%</u>
Total	\$11,500	100%

NWMB Staff Evaluation:

NWMB Priority: #1 - Contributes to the establishment, modification or removal of levels of Total Allowable Harvest (S 5.6.16 to S 5.6.18) for stocks or populations where there is believed to be a conservation concern or that are priority species for harvest by Inuit.

Regional Priority: # 1 Qikiqtaaluk – Explore commercial fishing opportunities for arctic char

Project design: Sample packages consisting of labeled ethanol vials, scissors, and instructions will be sent to the Pond Inlet Hunters and Trappers Organization for them to distribute to local families and hunters. Local hunters will be asked to obtain fin clips from fish caught in the lakes this winter. These fin clips will be preserved in ethanol vials and sent to the applicant at Guelph University. Fifty individual fish samples from each of the seven lakes will be collected. DNA sequencing will be used to determine if the fish in these different lakes display distinct population characteristics in their DNA.

Application of results: With a commercial fishery being proposed in Eclipse Sound, it has become relevant to find out where the fish captured in the ocean originate from.

Community involvement / consultation: The Pond Inlet Hunters and Trappers Organization has been consulted and has provided a letter of support for the project. Members of the Hunters and Trappers Organization and community will be compensated for each fish sample collected.

¹ NOTE: Although an amount was not provided, the applicant indicated that Guelph University will be paying for the DNA sequencing and training.

The proposal also indicates that in-community consultation and presentation of the results will occur upon completion of the research.

Prepared By: Karla Letto, Wildlife Management Biologist, NWMB
Consultations: Danica Crystal, Wildlife Management Biologist, NWMB

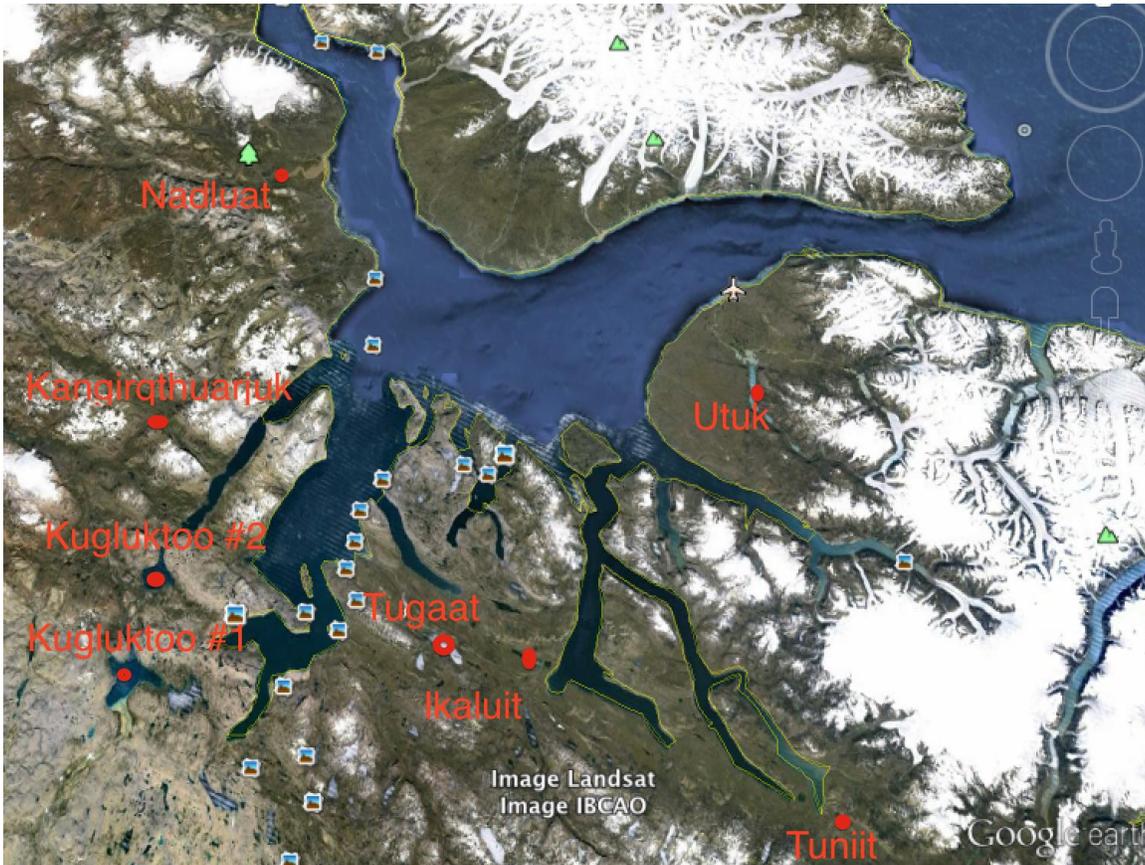


Figure 1: The 7 lakes with traditional place names proposed to be part of the project.