

# PROPOSAL REVIEW

**Project Number:** 2-15-07

**Applicant:** Troy Pretzlaw

**Title:** Genetic sampling, composition, and demographics survey of Price Charles Island and central Baffin Island Barrenground caribou

**Funding Requested:** Single year funding \$75,000

**Rank:** 11 / 18

**Total Score** 73.10 /100  
(no deductions)

**Scoring Breakdown:** NWMB Priority: 17.50 / 17.50  
Regional Priority: 7.50/ 7.50  
Quality: 25.50 / 35.00  
Consultation: 10.5 / 15  
Funding: 12.10 / 25

## Project Summary:

The primary objectives of this project are to: 1) determine the relatedness between Baffin Island caribou and Price Charles Island caribou through genetic; 2) Determine the age and sex composition of the two; 3) Compare vital rates and diet between the two populations; and 4) estimate the current population size.

## Project Contributions:

Requested from NWMB	\$ 75,000	33%
Other Contributions	<u>\$155,00</u>	<u>67%</u>
Total	\$230,00	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- Baffin Island caribou : updated population assesment

## Project design:

Knowledge holders will be identified and information on location of wolverine habitat, abundance and distribution will be collected through interviews. Following the interviews in the Spring of 2015 182 bait posts will be deployed. Each hair snare will consist of a long spruce post wrapped with barb wire and anchored in packed snow. Caribou or muskox meat and a commercial lure will be used as bait. The bait posts will be visited 3 times at 10 day intervals. Hair samples will be used to sent to a genetics lab to determine individual wolverines. A second field season will occur in 2016.

## Application of results:

Project results will be documented in a Government of Nunavut file report and used in future total allowable harvest decisions and management planning. Information on wolverine density and population size will be used for future trend monitoring that could

help assess possible changes in in wolverine population due to development. This study will also gather and use Traditional Ecological Knowledge and will enhance HTO monitoring capacity.

Community involvement / consultation:

The Project Leader conducted consultations with affected the Kivalliq Wildlife Board and the Arviat Hunters and Trappers Organization in the fall of 2014. HTO Boards in February 2013 and during the field season in 2014. The proposal indicates plans for presentation of results at the Kivalliq Wildlife Board Annual General Meeting in the Fall of 2015.

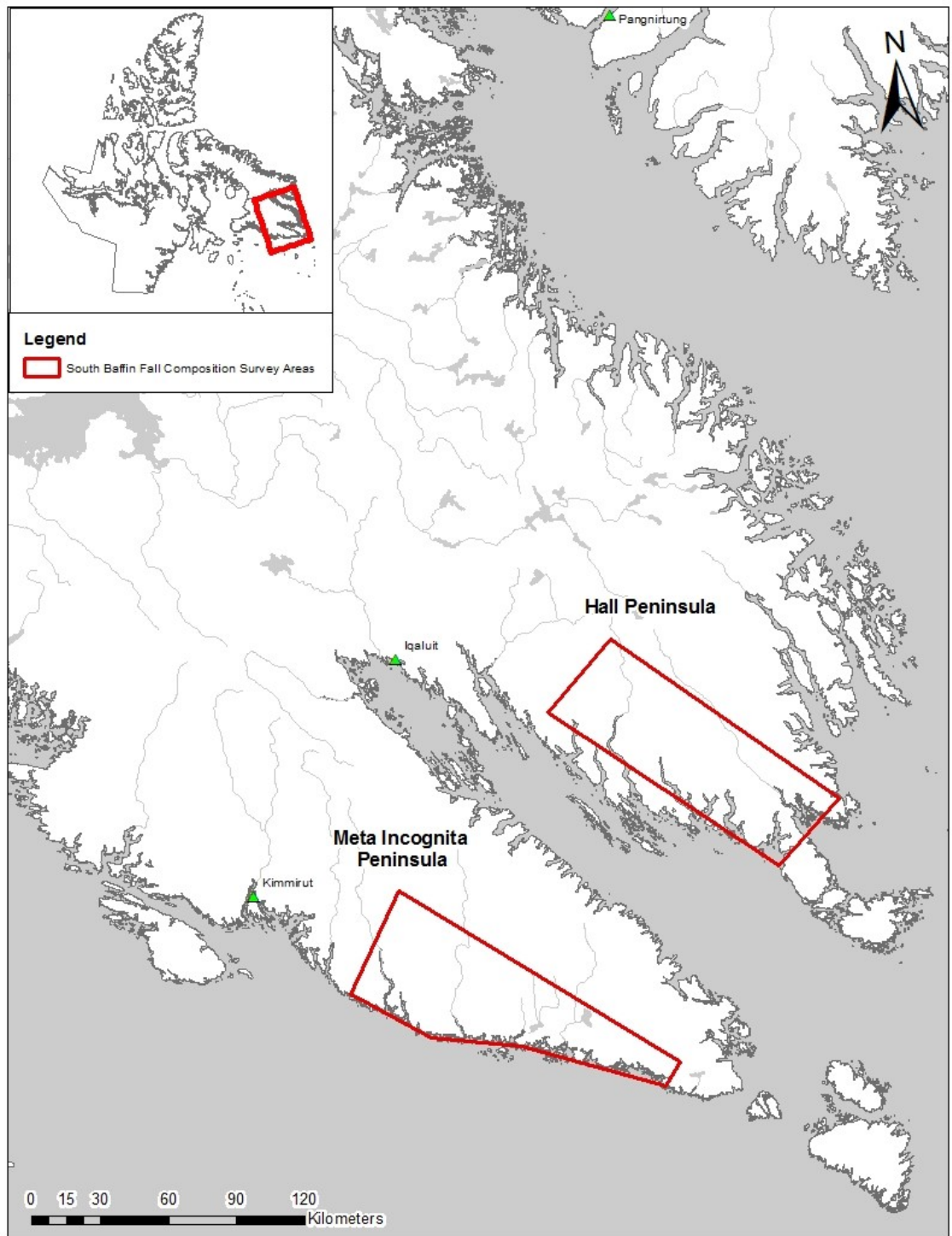
As per the NWRT policy, if the project is funded by the NWRT the project is required to: (1) provide a letter of support from all affected communities by June 30<sup>th</sup>, 2015; **OR** (2) provide a letter of support from a majority of the affected communities by June 30<sup>th</sup>, 2015 and provide evidence that the research has done a “conscientious” job of consulting; **OR** (3) provide the required information to demonstrate that “conscientious” consultation has been conducted by June 30<sup>th</sup>, 2015.

**Recommendations:** If this project is funded, the following conditions should apply:

1. Funding should be conditional on other funding, as identified in the proposal, being approved. This should be confirmed in writing; and
2. Funding should be conditional on meeting the consultation requirements identified as per the NWRT policy.

**Consultations:**

**Prepared By:** Sarah Spencer, Wildlife Management Biologist



**Figure 1.** Proposed study areas for fall 2015 composition and demographic surveys on the Meta Incognita Peninsula and the Hall Peninsula.



