

# Predicting the Future of Apparent Competition for Northern Mountain Caribou

A graduate research project by **Oliver Holt**, under the supervision of Dr. Chris Johnson



## | Project Description |

I will use hair samples from predators and prey to quantify the proportion of different prey species within the diet of wolves, black bears, and grizzly bears throughout several northern mountain caribou ranges (see map).

Your participation in this project will help me collect the samples I require to provide a reliable estimate of predator diet. This research is focused on not only a better understanding of the predator-prey dynamics of northern mountain caribou, but also identifying new ways to monitor caribou population change.

## | Collaboration |

I am seeking the opportunity to work with hunters and trappers to acquire hair samples from predators and prey.

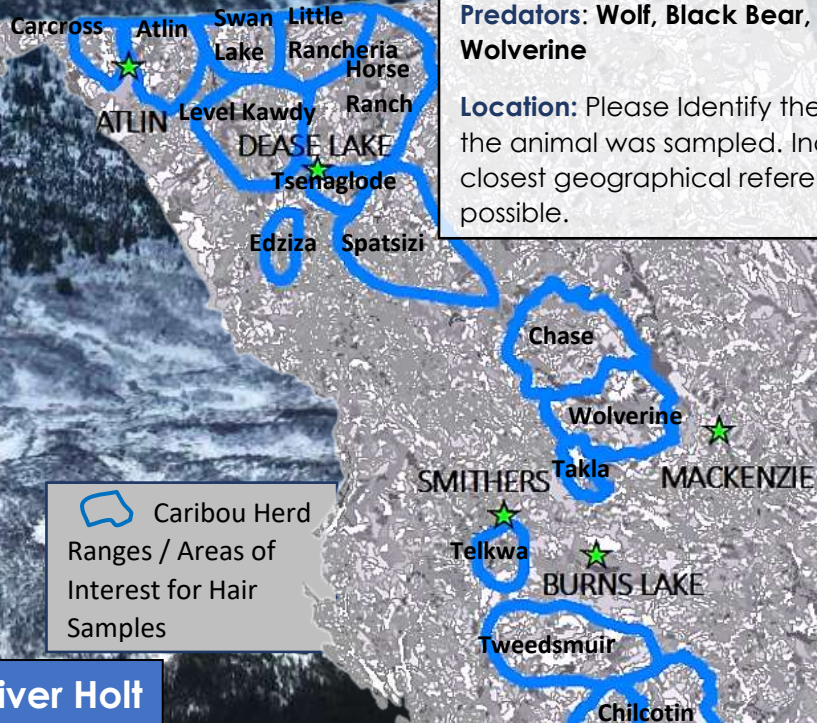
### Sampling

A sample of 200 individual hairs pulled from the root. Please store the hair in a paper envelope.

**Prey: Moose, Caribou, Sheep, Elk, Deer**

**Predators: Wolf, Black Bear, Grizzly Bear, Wolverine**

**Location:** Please Identify the WMU where the animal was sampled. Including the closest geographical reference if possible.



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