



Study area

The project is taking place around the Mayo region, with a focus on the Beaver River Planning Area (dark blue) and Mayo Moose Management Unit (light blue).

For more information, please contact

Megan Hornseth
 Cumulative effects biologist
Megan.Hornseth@yukon.ca
 867-667-5281

Mark O'Donoghue
 Northern Tutchone regional biologist
Mark.ODonoghue@yukon.ca
 867-996-2162

Tyler Kuhn
 Senior biologist, habitat
Tyler.Kuhn@yukon.ca
 867-667-3538

FWTB-2021-003

Multi-species Remote Camera Cumulative Effects Monitoring Program

Project objectives

We are conducting this project to:

1. Collect current information on the distribution and abundance of grizzly bears and moose within the Beaver River Planning Area and the Mayo Moose Management Unit.
2. Assess the impact of current disturbance levels on the distribution of grizzly bears and moose to inform cumulative effects assessment.

This is the second year of a multi-year study.

Project overview

We are working collaboratively with the Wildlife Conservation Society Canada and the First Nation of Na-Cho Nyäk Dun to gather information on wildlife and their habitats in the Beaver River watershed, as well as the adjacent Mayo Moose Management Unit. Remote cameras provide an effective and minimally invasive means of monitoring large mammals across all seasons.

Moose and grizzly bears were identified as two important values within the Beaver River Land Use Planning process. The data from our remote cameras, along with other survey information (e.g., moose aerial surveys, grizzly bear DNA surveys), will be used to understand how the current levels of disturbance impact the distribution and abundance of moose and grizzly bears within the study area.

Remote cameras will also allow us to gather information on other species such as caribou, wolves and wolverines. Our results may also inform wildlife management, land management direction and zoning in the area, and cumulative effects assessments.

This summer, we will be revisiting remote cameras to download photos and change batteries. We will also be installing new camera stations. We will be maintaining cameras in the study area until 2022.

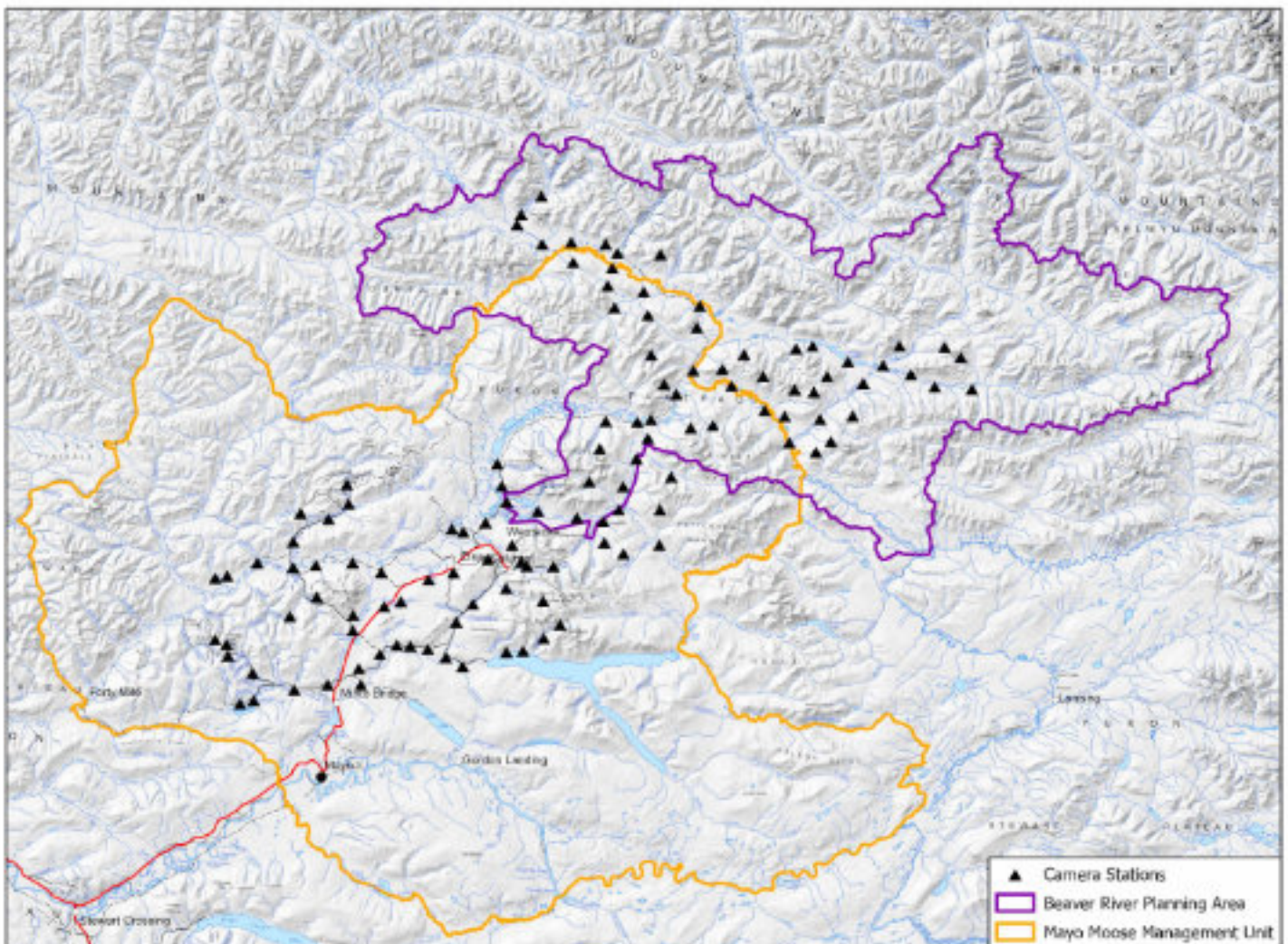
Remote camera stations

Our remote camera stations consists of a single camera attached to a tree adjacent to a game trail. We position our remote cameras approximately 2-5 km apart on a 5 km grid. We select these camera sites to capture different levels of natural and human disturbance. Each station is baited with scent lure and checked annually to retrieve photos and change batteries. Vegetation is cleared within the line of sight of the camera. Currently, we have set up 64 cameras in the Beaver River Planning Area and 55 in the Mayo Moose Management Unit. We will be setting up an additional 10 to 20 cameras in each area this summer.

Our remote camera stations are positioned to maximize chances of capturing wildlife, while minimizing the chances of recording any human activity. If people or other human activities are captured, these photographs will be immediately deleted.



An example of a remote camera station.



Remote camera trap locations.

