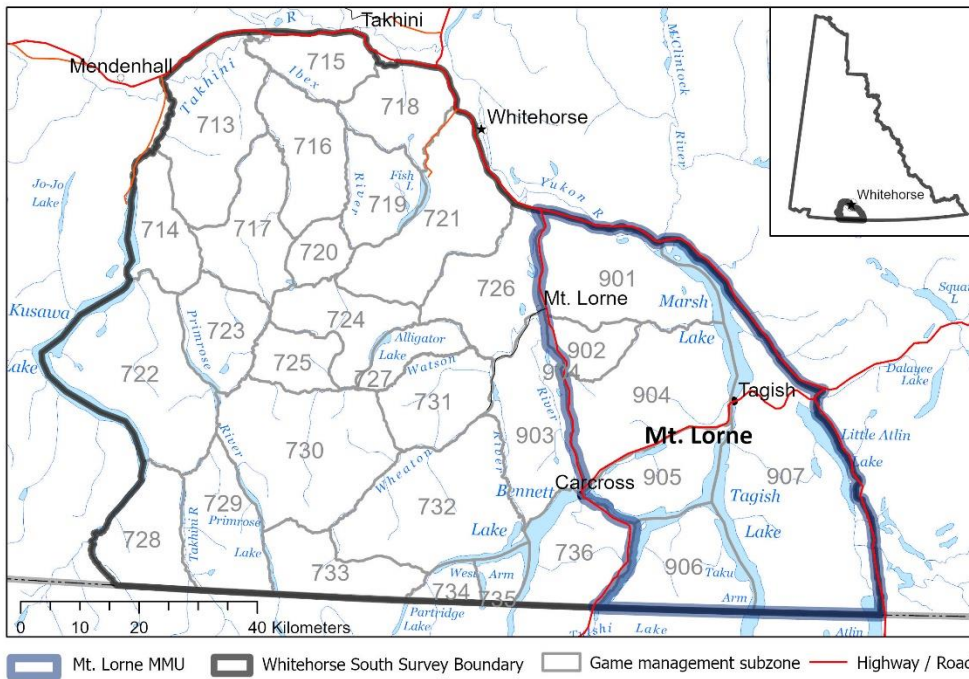




Whitehorse South Survey Area: Mt. Lorne MMU (plus GMS 907)

Early – Winter Moose Survey, November 21-29, 2021



Moose Survey Method

In the Yukon, we use a model-based approach that incorporates local knowledge and habitat information (i.e., fire history, land cover, vegetation type, and elevation). We use the information from surveyed blocks to estimate the number of moose in blocks that were not surveyed and adjust the total number of moose observed and estimated to account for moose that were missed (9% sightability error).

Mt. Lorne MMU Status

GMS: 9-01, 9-02, 9-04 to 9-07

Survey Area: 2,501 km²

Density (in moose habitat): 340 moose / 1,000 km²

Sustainable Harvest: 23 bulls

Avg. Annual Licensed Harvest (2017-2021): 0.8 bulls

First Nation Harvest: unknown

Total No. of Moose: 719

Total No. of Adult Bulls: 233

Adult Bulls / 100 Adult Cows: 70

Calves / 100 Adult Cows: 22

Yearlings / 100 Adult Cows: 25

Location

The Mt. Lorne Moose Management Unit (MMU) is included in the Whitehorse South survey area and is located southeast of Whitehorse, extending south to the British Columbia border. It is bounded by the Alaska Highway, South Klondike Highway, and Atlin Road, and is within the traditional territories of the Ta'an Kwäch'än Council, and Kwanlin Dün and Carcross/Tagish First Nations.

FOR MORE INFORMATION, PLEASE CONTACT:

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Survey Results

Survey Overview

The purpose of this survey was to estimate the abundance, distribution, and composition of the moose population in the Whitehorse South survey area, and to use this information to determine the sustainable moose harvest in the Mt Lorne MMU. We counted moose in 50 of 147 survey blocks, or about 34% of the total area. A total of 569 moose were observed (184 mature bulls; 295 cows; 35 yearling bulls; and 55 calves).

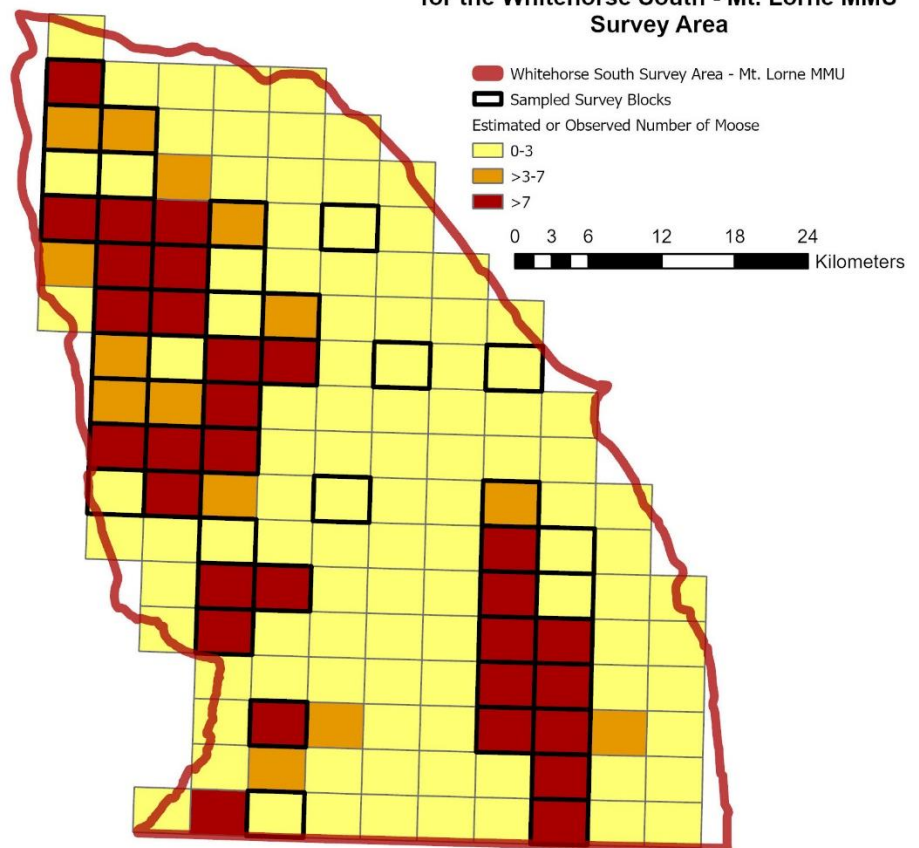
Population Estimate/Composition

We estimated **719 (682-777)** moose in the Mt Lorne MMU. This equates to a density of **340 moose per 1,000 km² of available moose habitat** which is above the typical range of moose densities in Yukon (100-250 / 1,000 km²).

We estimated **22 calves and 25 yearlings per 100 adult cows**, which is slightly below the average observed calves across surveyed areas in the Yukon, but above the average observed yearlings (29 calves and 18 yearlings per 100 adult cows).

We estimated **70 adult bulls / 100 adult cows** which is well above the minimum of 30 adult bulls / 100 adult cows that is recommended in our *Science-Based Guidelines for the Management of Moose in Yukon*.

Moose Survey Results for the Whitehorse South - Mt. Lorne MMU Survey Area



Acknowledgements

We would like to thank the Kwanlin Dün, Champagne and Aishihik, and Carcross/Tagish First Nations, and the Carcross/Tagish Renewable Resources Council for their support during this survey. Thanks to Kluane Clarke, Errol Ekholm, Neil McGrath, Ondrej Culen, John Smarch, Troy Friday, Mitch Heynen, Kenji Tatsumi, Robert Perry, Matthias Zinsli, Tim Cole, Nick Hogan, Ross Elgin, Meghan Larivee, Adam Henderson, Catherine Pinard, Elise-Brown Dussault, Paul McCarney, Kaz Kuba, Pascale Savage, Hugh Bernasco, Chris Wall, Gabe Rivest, Shailyn Drukus, Ryan Benson, Rob Florkiewicz, and Lauren Wonfor for their assistance as aerial observers, and to our pilots Matt McCullough (Capital Helicopters) and Luke Melanson (TRK Helicopters).

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