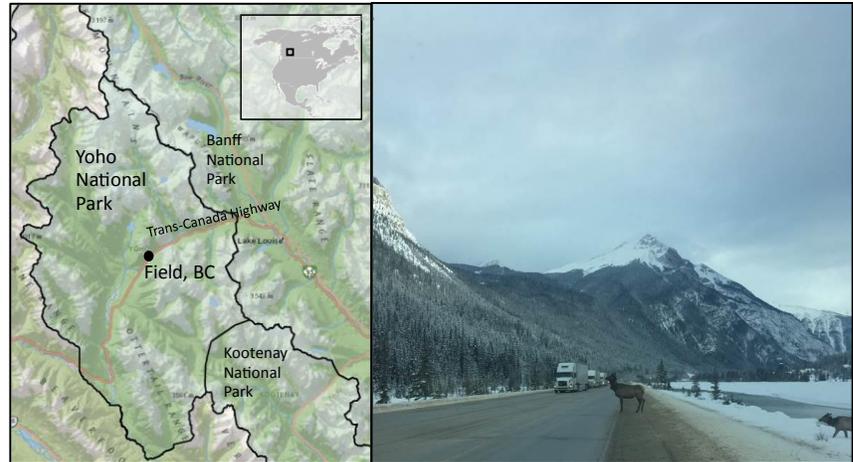


M.S. Assistantship studying how roads affect migratory ungulates in Western North America

The Merkle Research Group in collaboration with Yoho National Park (British Columbia) is looking for a highly motivated, creative, and quantitative-minded M.S. student to lead a field-based project studying the movements of migratory ungulates with respect to roads. The successful applicant will be admitted through [Department of Zoology and Physiology](#) at the University of Wyoming and will be based in Laramie, Wyoming (USA). However, all field work will be conducted in Yoho National Park (Canada).



The goals of the research project will be to make fundamental contributions to the field of movement ecology while also providing reliable knowledge to manage and conserve migratory wildlife. There are two components of the project. First, the applicant will study movements of GPS collared elk along the Trans-Canada Highway in Yoho National Park. This project will involve winter and/or summer field work out of the town of Field, British Columbia. Second, the applicant will study more generally how roads influence migratory wildlife. This project will involve analyzing multiple datasets (including, but not limited to elk, mule deer, and pronghorn) across western North America.

Candidates must have a B.S. in Ecology, Biology, Wildlife, or related fields. Applicants must have an excellent undergraduate GPA, and a demonstrated ability to work independently and with a team in harsh field conditions. Prior experience with GIS, and managing and analyzing large datasets in program R is ideal. Prior experience conducting field research on large mammals, working in remote locations, and driving 4x4 vehicles is also desired. Successful applicants will be expected to participate in a team environment, present results at professional conferences and agency meetings, and publish results in a timely manner in peer-reviewed scientific outlets.

A competitive graduate assistantship will be provided for both local and international candidates, which includes annual stipend, tuition, and benefits. To apply, please email a SINGLE PDF file that includes 1) a cover letter outlining field and quantitative experience and interest in studying animal movement, 2) a CV, 3) unofficial GRE score sheet (if you have taken it), 4) contact information for three references, and 5) transcripts to Jerod Merkle (jmerkle@uwyo.edu) and Seth Cherry (seth.cherry@canada.ca). Review of applicants will begin on 9 April 2019. The successful applicant will start in autumn 2019.