

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Wildlife Disease Risk Analysis

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: USGS
Other Partners/Cooperators: Montana State University
Students Involvement:
Effective Dates: 9/1/2015 - 8/31/2020
Funding Amount: \$59,991

Investigators and Agency Representative:

USGS Contact: Paul C. Cross, Northern Rocky Mountain Science Center, 2327 University Way, Suite #2, Bozeman, MT 59715, phone: 406-994-8908, email: pcross@usgs.gov

Investigator: Raina Plowright, Montana State University, 113-B Lewis Hall, Bozeman, MT 59717, phone: 406-994-2939, email: raina.plowright@montana.edu

Project Abstract: The research objective is to collate the available information on elk space use, abortion timing, seroprevalence and density which will facilitate the subsequent development of models that quantify elk to livestock transmission risk in space and time, and to understand factors driving variations in the level of risk across space and time.

Keywords: Elk space use, elk abortion timing, seroprevalence, population density, disease transmission risk, USGS, Montana State University