

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Acoustics and Wildlife Review of the Literature Relevant to Winter Use in Yellowstone National Park

Discipline: Interdisciplinary
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: University of Montana
Effective Dates: 12/1/2010 - 7/31/2011
Funding Amount: \$12,527

Investigators and Agency Representative:

NPS Contact: Linda Drees, Natural Resource Program Center, National Park Service, 1201, Oakridge Drive, Suite 200, Fort Collins CO 80525; 970-225-3595 phone; 303.898.6163 cell; 970-225-3585 fax; linda_drees@nps.gov

Investigator: Jim Burchfield, Acting Dean, College of Forestry and Conservation, University of Montana, Missoula, MT 59812, 406-243-6650; jsmes_burchfield@umontana.edu

Researcher: Dr. Jedediah Brodie, Wildlife Biology Program, 1875 Missoula Ave, University of Montana, Missoula, MT 59802, 406-274-0505, Jedediah.brodie@gmail.com

Project Abstract: The National Park Service is undertaking a comprehensive review and analysis of environmental and ecological effects of winter use activities which may be relevant to understanding the short and long term impacts of winter use activities in Yellowstone National Park. This review will be limited to acoustics and wildlife.

The first step in this evaluation is to produce a complete review and summary of the relevant literature for use by Department of Interior scientists from the National Park Service and the US Geological Survey. A report will include the citations with descriptions of the research questions posed and significant findings.

Outcomes with Completion Dates: June 30, 2011

Timeline:

- Synthesize literature reviews and annotations
- Submit first draft for review by January 21, 2011.
- Receive comments, amend and submit final by February 4, 2011.
- Do follow up work on the review until July 31, 2011.

Keywords: Literature Review, Acoustics, Wildlife, Winter Use, Impacts, Yellowstone National Park, University of Montana