Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: The impacts of anthropogenic noise on wildlife: experiments, modeling and collaborative conservation

Discipline: Natural Resources
Type of Project: Research
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 7/15/2010 – 3/31/2013
Funding Amount: $153,840

Investigators and Agency Representative:
NPS Contact: Kurt Fristrup, National Park Service, 1201 Oakridge Drive, Suite 100, Fort Collins, CO 80525, 970-267-2102, kurt_fristrup@nps.gov

Investigator: Kevin Crooks, Professor, Department of Fish, Wildlife and Conservation Biology, 115 Wagar, Colorado State University, Fort Collins, CO 80523, 970-491-7936, kcrooks@cnr.colostate.edu

Researcher: Jesse Barber, Postdoctoral Research Associate, Department of Fish, Wildlife, and Conservation, 136 Wagar, Colorado State University, Fort Collins, CO 80523, 970-491-8740, barber.jesse@gmail.com & Chris Burdett, Postdoctoral Research Associate, Department of Fish, Wildlife, and Conservation Biology, 135 Wagar, Colorado State University, Fort Collins, CO 80523, 970-491-8740, cburdett@warnercnr.colostate.edu

Project This project will approach the scientific study of noise impacts on wildlife from several perspectives. We will continue our experimental investigations on the impacts of anthropogenic noise on wildlife. We will also use modeling techniques to forecast future levels of sound pollution in National Parks using spatially-explicit land-change models. This spatial ecology approach will allow our behavioral results to be interpreted on a landscape scale. Finally, we will participate in wildlife meetings and may sponsor a collaborative conservation workshop.

Outcomes with Completion Dates:
Investigator’s annual report: 31 March, annually
Due Date for Final Report and/or Other Products: 31 January 2013

Keywords: anthropogenic noise, predator-prey interactions, sound pollution, WASO Natural Sounds Program, Grand Teton National Park, Colorado State University