

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Acoustic monitoring in Northern Great Plains Network parks

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 8/1/2008-12/31/2009
Funding Amount: \$5,250

Investigators and Agency Representative:

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Project Abstract: Colorado State University will provide support to the Northern Great Plains Network (NGPN) to guide their acoustical monitoring. The Northern Great Plains Network (NGPN) is comprised of 13 National Park units in North and South Dakota, Nebraska and eastern Wyoming (Agate Beds NM, Badlands NP, Devils Tower NM, Fort Laramie NHS, Fort Union Trading Post NHS, Jewel Cave NM, Knife River Indian Village NHS, Missouri NRR, Mount Rushmore NMEM, Niobrara NSR, Scotts Bluff NM, Theodore Roosevelt NP, Wind Cave NP). Two of these park units have Air Tour Management Plans in progress. Three others are candidates for future plans. NGPN staff and staff of the Natural Sounds Program will work with CSU to develop a plan for acoustical monitoring in these I&M parks. CSU research associates will help generate acoustical sampling protocols for the NGPN park units, and provide software and advice for efficient analyses of acoustical monitoring data.

Outcomes with Completion Dates: Work with NGPN to develop a plan for work in 2009; Provide draft sampling plans by March 1, 2009; Complete draft report by March 31, 2009; Provide a draft NGPN report by November 1, 2009.

Keywords: soundscapes, acoustic monitoring, Northern Great Plains I&M network; Colorado State University