

## **Project Summary**

### **Rocky Mountains Cooperative Ecosystem Studies Unit**

**Project Title:** Conduct assessment of status of bat species at Devils Tower National Monument.

**Discipline:** Natural  
**Type of Project:** Research  
**Funding Agency:** National Park Service  
**Other Partners/Cooperators:** University of Wyoming  
**Effective Dates:** 9/30/2009-3/31/2012  
**Funding Amount:** \$25,000

**Investigators and Agency Representative:**

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**Project Abstract:** The purpose of the project is to have analysis completed on focused-mist net capture events and ANABAT calls recorded throughout Devils Tower National Monument during a Bat Survey in mid- to late-Summer 2010 for approximately 1-2 months with targeted follow-up surveys to occur in 2011 (2 months total field effort). This will allow mist-netting at about 10 sites each year and to conduct passive echolocation monitoring at several additional sites. This work could be supplemented with diurnal roost counts, if roosts are located. As agreed upon by WYNDD and park officials, a portion of the above effort can be used to assess park buildings to determine species use of these structures as roost areas and how to best manage these buildings to exclude bat use in the future (i.e., buildings will be included as possible sites) .

**Outcomes with Completion Dates:**

A progress report will be submitted by December 31, 2010 summarizing the findings from the first year's data collection. A detailed final report will be submitted by December 31, 2011 summarizing the findings from both years of the study and will include management recommendations that will vary depending on the species of bat that are determined to utilize Devils Tower either part of the year or year-round.

**Keywords:** bat survey, Devils Tower National Monument, University of Wyoming