

## **Project Summary**

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

**Project Title:** Update Reptile & Amphibian Checklist and Mammal & Fish Checklist for Devils Tower NM

**Discipline:** Natural  
**Type of Project:** Technical Assistance  
**Funding Agency:** National Park Service  
**Other Partners/Cooperators:** University of Wyoming  
**Effective Dates:** 3/1/2011 - 12/31/2012  
**Funding Amount:** \$5,000

**Investigators and Agency Representative:**

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Project Abstract: Devils Tower National Monument (DETO) currently has an educational pamphlet available to visitors entitled, "Mammal, reptile, fish, & amphibian checklist". It was created in 1995 and lists the species that were thought or known to occur in the Park at that time. Since then, additional surveys have been conducted by the Northern Great Plains Inventory and Monitoring Network and the Wyoming Natural Diversity Database, resulting in an increase in the species known to occur in DETO as well as more complete information about their status. This new information should be incorporated into an updated checklist which will enhance the educational experience of visitors and keep Park staff abreast of the wildlife resources they manage. In order to serve visitor's interests better, the Park would also like to see the current list divided into 2 separate pamphlets: "Reptile & Amphibian Checklist" and "Mammal & Fish Checklist." Many visitors like to download information from Park websites before or after visiting, therefore it would also be helpful to have the updated checklists available in a PDF electronic format that can be posted on the DETO website.

The University of Wyoming's Wyoming Natural Diversity Database (WYNDD) will draw from written reports, existing datasets, and biological opinion to update the checklists for Devils Tower National Monument. First, they will coordinate with the Northern Great Plains Inventory and Monitoring Network to make sure that all species detected during those surveys are incorporated. Second, data from bat surveys conducted by WYNDD in 2010 & 2011 will be integrated. WYNDD will also coordinate with natural resources staff at DETO to assure that any other biological inventory work is included. Finally, WYNDD has a comprehensive database of species observations from across Wyoming and has recently developed distribution maps for all vertebrates in the state. These resources will be used in combination with the professional opinion of a staff Zoologist to include additional species which may not have been documented in DETO but are likely to occur there.

**Outcomes with Completion Dates:**

Updated lists delivered by December 31, 2011

**Keywords:** Reptile, Amphibian, Mammal, Fish, checklist, educational pamphlet, Devils Tower National Monument, University of Wyoming, Wyoming Natural Diversity Database (WYNDD)