

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Inventory State Plant Species of Concern to Minimize Impacts from Visitors and Park Management

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: University of Wyoming
Effective Dates: 5/1/2007 - 12/31/2008
Funding Amount: \$5,000

Investigators and Agency Representative:

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Project Abstract: The University of Wyoming and NPS, Devils Tower NM will work together on a project to survey Devils Tower National Monument (DETO) for the location, extent, habitat, and numbers of rare plant species recognized as state plant species of concern (SPSOCs) by the Wyoming Natural Diversity Database. This will include the following tasks:

- Inventory and record likely habitat and SPSOC locations.
- Assess plant locations for unnatural threats that are/may be impacting SPSOCs present and recommend conservation measures for locations to minimize disturbance to SPSOC
- Assemble the resulting information into a final report, including an update to the existing occurrence records for all SPSOCs within DETO (report appendix), and incorporated in statewide status information for each SPSOC documented that will be prepared as a state species abstract for use as a field guide and abbreviated status report by National Park Service personnel and other Wyoming data users (report appendix).

Any additional vascular plant species not previously known from the flora of Devils Tower National Monument that is identified in the course of rare plant survey will be documented. This is not a monitoring study but will assist in reviewing monitoring needs and priorities.

Outcomes with Completion Dates: Due by December 31, 2008:

Products to be delivered to DETO:

- 1 copy of GIS file of survey results and draft enumeration of management questions and concerns
- 5 hard copies and one cd of DETO survey report, including electronic files (text, graphics, digital photographs, shapefiles) in Microsoft word, jpg format, and ArcGIS (NAD83 UTM)
- Electronic copy of the report delivered to the RM-CESU
- Voucher specimens as warranted

Keywords: plant species of concern, inventory, Devils Tower NM, University of Wyoming

For Administrative Use Only:

Date Annual Report Received:

Date Final Report Received:

Publications, etc. on file: