

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Inventory of Invasive Non-Native Plants in Six Northern Colorado Plateau Network (NCPN) Parks
Type of Project: Research/biological sciences
Funding Agency: National Park Service
Effective Dates: April 2003 - March 30, 2004
Funding Amount: \$85,340
<p>Investigators and Agency Representative: NPS KEY Official: Dr. Angie Evenden, NCPN Vegetation Ecologist, SE Utah Group, Moab, UT; 435-719-2342, angela_evenden@nps.gov INVESTIGATOR: Dr. Steve Dewey, Invasive Plant Scientist, USU Agricultural Experiment Station, 4810 Old Main Hill, Logan, UT 84322 Phone: (435) 797-2256, steved@ext.usu.edu</p>
<p>Project Abstract: Primary objectives of this project:</p> <ol style="list-style-type: none"> 1) Work with the park and network natural resource staff and existing data sources to develop lists of target invasive plants for inventory purposes. The invasive list will likely include approximately 35 to 40 target taxa 2) Conduct targeted field surveys to document distribution and abundance of invasive non-native plant species across the range of habitats represented in the designated areas within the 6 parks (10,000 acres) and additional areas and parks as time allows. 3) Identify specific habitat characteristics that may be important in controlling the distribution and abundance of species of interest. 4) Work with national, regional, network, and park staff to test and refine data collection and management tools and field techniques that may be used in future invasive plant inventory, monitoring and data management systems developed by NPS, in cooperation with partner agencies and organizations. 5) Collect voucher specimens for any target invasive non-native plants encountered in the six parks that presently lack vouchers. Process the specimens for deposit in herbaria at the appropriate park and USU. 6) Based on inventory results, identify significant sources of weed introductions and vectors involved in weed spread in each area surveyed. Recommend methods for invasive plant monitoring to aid NPS staff in developing an effective invasive plant management plan. 7) Summarize information in appropriate formats to contribute to the population of National Park Service service-wide and network databases, including GIS, NPSpecies, Dataset Catalog, NRBibliography, ANCS+, and any prototype invasive plant databases that are under development. 8) Provide field-based training for NPS hired seasonal inventory crews.
<p>Outcomes with completion dates: Preliminary Field Report - Due September 30, 2003 and September 30, 2004; First Field Season Progress Report and Data Final Products - Due December 15, 2003; Draft Final Report and Data Products - Due December 15, 2004; Final Report and Data Products - Due January 20, 2005</p>
<p>Keywords: Arches National Park, Canyonlands National Park, Hovenweep National Monument, Natural Bridges National Monument, Black Canyon of the Gunnison National Park, Zion National Park, invasive non-native plants; biological inventories</p>
<p><u>For Administrative use only:</u> <i>Date Annual Report Received:</i></p> <p><i>Date Final Report Received:</i></p> <p><i>Publications, etc. on file:</i></p>

