

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Continuation of Geographic Information Systems, Remote Sensing, Global Positioning Systems, and Mobile Mapping Research and Development for the NPS GIS Program

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 9/1/2012 - 9/30/2014
Funding Amount: \$590,000 [FY13: \$429,000; FY12: \$161,000]

Investigators and Agency Representative:

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Project Abstract:

The CSU cooperators will continue to in-depth research and provide tactical implementation guidance for integration of web mapping services required by partner GIS project components that lack the ability to manage and provide public access to their program information. Project components include Abandoned Mine Lands, Civil War, Federal Lands to Parks, National Trails, Coastal and Marine Resources, and Transpiration-related geospatial features and sites of interest that require the ability to dynamically link disparate attribute databases, digital images, and documents into a common, web-based service. To understand and meet these requirements, CSU will collaborate with affiliates at other universities, non-Federal support groups, DOI interns, and NPS staff to research, compile, integrate and test new ideas and methods to manage and publish eclectic resource information for easy public access.

Outcomes with Completion Dates: Research reports and recommendations, user and stakeholder requirements, project plans, application extension(s), computer program code, a variety of analog and digital mapping products, and detailed user and technical documentation, due by September 30, 2014.

Keywords: GIS, geographic information system, geospatial data, web mapping, Abandoned Mine Lands, Civil War, Federal Lands to Parks, National Trails, Coastal and Marine Resources, Transpiration-related geospatial features, Colorado State University