

## **Project Summary**

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

**Project Title:** Enterprise Geographic Information Systems and Web Mapping Research and Development for NPS GIS Program

**Discipline:** Interdisciplinary  
**Type of Project:** Research  
**Funding Agency:** National Park Service  
**Other Partners/Cooperators:** Colorado State University  
**Effective Dates:** 8/1/2013 - 12/31/2014  
**Funding Amount:** \$288,888

**Investigators and Agency Representative:**

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**Project Abstract:** NPS GIS Program (GISP) and Colorado State University (CSU) will together to conduct and share in-depth research and to provide tactical implementation guidance for integration of volunteered geographic information (VGI) and web mapping services required by partner enterprise geographic information systems (EGIS) projects that lack the ability to manage and provide public access to their program information. Project partners include Denali National Park, the Harper's Ferry Center, Yellowstone National Park, National Trails, Planning, and Transportation programs interested in finding new tools and tactics for compiling, managing, and publishing enterprise data and maps that promote better understanding of natural, cultural, and anthropogenic resources. Tasks include gathering and integrating geospatial features and sites of interest with the ability to dynamically link disparate attribute databases, digital images, and documents into common, web-based services. To understand and meet these requirements, CSU researchers will collaborate with affiliates at other universities and agencies, non-Federal technical and support groups, volunteers and 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:** December 31, 2014

**Keywords:** NPS-Intermountain Region Geographic Resources Division, Colorado State University, enterprise geographic information systems (EGIS), web mapping, volunteered geographic information (VGI)