

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Cooperative GIS Research and Support for Enterprise Data Management and Delivery Tools

Discipline: Interdisciplinary
Type of Project: Technical assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 7/1/2015 - 6/30/2018
Funding Amount: 226,255

Investigators and Agency Representative:

NPS Contact: Darcee Killpack, Intermountain Region Geographic Resources Division Chief, National Park Service, 12795 W. Alameda Parkway, Denver, Colorado 80225, 303-969-2523, Darcee_Killpack@nps.gov

Investigator: Melinda Laituri, Colorado State University, Warner College of Natural Resources, Ecosystem Science and Sustainability, 1476 Campus Delivery, Fort Collins, Colorado 80523-1372, melinda.laituri@colostate.edu 970-491-0292.

Project Abstract: NPS Intermountain Region Geographic Resource Division (IMR GIS) requires cooperative technical expertise in geospatial technologies from Colorado State University (CSU) to support land management projects utilizing GIS in the National Park Service. Although additional projects may develop, there are two particular projects that require assistance at this time. The first is the development of workflows and tools to support enterprise data management. The region is working towards enterprise data for our 92 park units to support better access to regional data by the public and other federal agencies. The second project is the development of Park Atlases which are a key GIS based web mapping tool used by park staff and the public to support park management. A key piece of the Park Atlas is to create publically assessable park-specific data and web services. These data and services can support greater research and understanding of park's resources by the general public. CSU will provide Research Associates with the skills needed to support both these types of projects, plus a variety of other data management, training, and cartography projects. CSU can provide access to Research Associates with knowledge of technological advances in GIS, access to researchers, and be able to provide new ideas to better the development of data and data access tools for the parks and the public. The Research Associates will be able to tap into the CSU Geospatial Centroid network and bring back real experiences in data management and issues within the federal sector to the University to help influence research and project work.

Keywords: NPS- Intermountain Region Geographic Resources, Colorado State University, GIS, technical support