

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Compilation and Development of National Park Service Water Resources Databases and Tools

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: September 30, 2010- September 30, 2013
Funding Amount: \$224,000

Investigators and Agency Representative:

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Project Abstract: The purpose of this effort is to engage CSU students, faculty, and research staff in real world activities related to their fields of study/interest by developing information (data) baselines that support state data needs under the Clean Water Act, graduate and faculty research projects, and the greater public need for more accessible water quality data to better manage all of the nation's aquatic resources. The research and development activities undertaken by CSU, NPS, EPA, and the states as a result of this cooperative agreement will improve the EPA's STORET/WQX Data Warehouse by facilitating archiving NPS water quality data and documents in the STORET/WQX Data Warehouse for public use. Once in the STORET/WQX Data Warehouse these data can be used by states to assess water-quality status and trends within the state as required by the Clean Water Act. The data will also foster a variety of other academic and research applications for both CSU and other universities. Additionally, a robust STORET/WQX Data Warehouse will support the development of summary reports and other products at the national, regional, and local levels documenting water quality conditions throughout the country for both state and public use.

Outcomes with Completion Dates: September 30, 2013

Databases, schemas, software tools, reports, and maps

Keywords: NPS-Water Resources Division, Colorado State University, water resources, database