

**Rocky Mountains Cooperative Ecosystem Studies Unit
Project Summary**

Project Title: Water Resources Tools and Database Development

Discipline: Interdisciplinary
Type of Project: Technical Assistance/Education
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Student Involvement: Yes, graduate and undergraduate researchers/technicians
Effective Dates: 10/01/2015 - 03/31/2020
Funding Amount: \$553,266

Investigators and Agency Representative:

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Investigator: Dr. Jim Loftis, Department of Civil & Environmental Engineering, Colorado State University, 1372 Campus Delivery, Fort Collins, CO 80523; (970) 491-2667; jim.loftis@colostate.edu

Project Abstract:

CSU staff will continue to work with the NPS Water Resources Division (WRD) to research and develop new tools, techniques, and databases to quality assure and archive NPS-collected water quality data in the EPA's STORET Data Warehouse and the National Water Quality Monitoring Council's Water Quality Portal to make them available to EPA, states, and the public. This includes continued research and ongoing development of NPSTORET and the various electronic data deliverable format specifications that will be made available for public use. EarthSoft's EQUIS and Aquatic Informatics' Aquarius will be integrated into the process for providing NPS data to the EPA and the public. NPS continuous and discrete water resources data will be archived and made available for Clean Water Act assessments. Other legacy, non-database records and documents will be organized, archived, and made available for dissemination unless prevented by other mandates. A system for providing the public with the impairment status of NPS waters will be updated.

Keywords:

Water resources, electronic data, public accessibility, Clean Water Act, Colorado State University