Project Completion Report
Rocky Mountains Cooperative Ecosystem Studies Unit (RM-CESU)

Project Title: **Appalachian Highlands Inventory and Monitoring Network Water Quality Analysis**

Project : CSURM-199 P10AC00119

Type of Project: Technical Assistance

Funding Agency: National Park Service

Partner University: Colorado State University

NPS Agreement Technical Representative:
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Start Date of Project: 8/17/2010

End Date of Project: 12/31/2013

Funding Amount: $11,750.00

Project Summary
The Colorado State University, Soil, Water and Plant Testing Lab provided assistance with the analysis of Appalachian Highlands Inventory and Monitoring Network (APHN) water samples. Sample collection and water quality parameters to be analyzed were derived from the APHN's draft water quality monitoring protocol. Analysis results for all constituents, including method, detection limits, and interpretation of quality assurance data were provided in electronic form, in spreadsheets. These data reports included sample site identification, date of sampling, date and time of laboratory login of samples, date and time of analyses, and analysis results. Analyses results, including metals, metalloids and dissolved organics, were generally available within 60 days of sending the samples in.

Number of students participating in this project: N/A

Lessons Learned from this project: Dr. Self and his lab have been very good to work with on this project. Their response time getting results back to us has been somewhat hampered because the Forest Service Air Resource Management Lab, who CSU has been working through on this project, has experienced delays in relaying samples and communicating results back to us . None of these delays have been attributable to the CSU Lab. The CSU Lab has been very responsive when we've had questions and their record keeping system is quite good, allowing them to resolve most questions very efficiently. We would recommend this Lab to anyone seeking similar analytical services from a water quality lab.

Other RM-CESU agencies or research partners who participated in this project: USFS water lab in Fort Collins.