

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Analysis of PRIMENet Data and Contributions to Final Report
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: University of Colorado at Boulder
Effective Dates: 7/1/2004 - 7/1/2006
Funding Amount: \$50,000

Investigators and Agency Representative:

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Project Abstract:

The University of Colorado at Boulder will cooperate with the National Park Service, RM-CESU and NPS-ARD to compile and analyze data sets at the 14 PRIMENet parks: ACAD, GRSM, SHEN, EVER, BIBE, THRO, ROMO, GLAC, CANY, OLYM, SEKI, HAVO, VIIS and DENA:

- 1) wet and dry deposition
- 2) Climate variables
- 3) Sensitive surface waters and other AQRVs

Analyses to be performed include:

- 1) creation of a geodatabase
- 2) time trend analysis for deposition and surface water chemistry, as data are available
- 3) summary of relevant climate data
- 4) spatial analysis of deposition data, using both the PRIMENet data sets and other sources of information (e.g. Rockies snowpack data, SNOTel data, regional climate data).

Outcomes with Completion Dates:

1. October 1, 2004: NPS (RM-CESU and ARD) will meet with CU-Boulder researchers to develop data compilation and analysis plan for existing information on wet and dry deposition, and sensitive receptors in the fourteen PRIMENet parks.
2. January 15, 2005: Preliminary data base developed and reviewed.
3. May 1, 2005: Time trend and spatial analysis for deposition and surface water chemistry presented and reviewed.
4. July 1, 2005: Draft final report on deposition analysis and AQRV analysis
5. July 30, 2005: Additional analysis tasks defined and agreed upon as time and funding permits.
6. December 30, 2005: Final report completed; database delivered; peer-reviewed journal publications submitted.

Keywords: deposition, water chemistry, data analysis, spatial analysis, PRIMENet Parks, University of Colorado at Boulder

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Date Annual Report Received:
Date Final Report Received:
Publications, etc. on file: