

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Air Quality and Nitrogen Deposition in the Rocky Mountain and Bakken Formation Regions

Discipline: Natural

Type of Project: Technical Assistance

Funding Agency: National Park Service

Other Partners/Cooperators: Colorado State University

Effective Dates: 8/10/2013 - 8/31/2016

Funding Amount: \$823,897 [FY16: \$80,000; FY14: \$318,398; FY14: \$425,499]

Investigators and Agency Representative:

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Project Abstract: The goal of the project is to improve our understanding of the sources, transport, atmospheric transformation, deposition, and impact of air pollutants in the US National Parks. The project efforts are designed to complement measurements from routine monitoring networks (e.g. Interagency Monitoring of Protected Visual Environment (IMPROVE), Ammonia Monitoring (Amon). National Atmospheric Deposition Program (NAPD), Clean Air Status, and TrendsNetwork to provide more detailed characterization of air quality problems in the particular parks and regions and to identify key gaps associated with current air quality and deposition monitoring strategies.

Outcomes with Completion Dates: May 31, 2016

Keywords: Colorado State University, NPS-Air Resources Division, Rocky Mountain and Bakken Formation Regions, air quality, nitrogen deposition