

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

**Project Title:** Sierra Nevada Network Lake Monitoring and Water Chemistry

**Project Code:** P11AC90504, UCOB-84

**Type of Project:** Technical Assistance

**Funding Agency:** National Park Service

Partner University: University of Colorado Boulder

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Start Date of Project: June 1, 2011

End Date of Project: August 31, 2013

Funding Amount: \$6740

Project Summary: The Sierra Nevada Network (SIEN) collected water samples from high-elevation lakes throughout Yosemite, Sequoia, and Kings Canyon National Parks per methods described in the SIEN Lakes Monitoring protocol. Samples were shipped to the Kiowa Lab upon collection and analyzed for magnesium, sodium, potassium, calcium, chloride, nitrate, sulfate, pH, specific conductance, acid neutralizing capacity, total dissolved nitrogen, and total dissolved phosphorus (Refer to <http://snobear.colorado.edu/Seiboldc/kiowa.html> for laboratory methods).

The Kiowa Laboratory processed a total 90 samples for SIEN's 2011 and 2012 field seasons. Sample and quality assurance/quality control results were provided to SIEN in spreadsheet format in July 2012 (2011 field season) and June 2013 (2012 field season). The original data products are stored on internal SIEN network drives.

Number of students participating in this project: Four

Other RM-CESU agencies or research partners who participated in this project: None