

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Flow and Sediment Transport Monitoring, Upper Colorado River, RMNP

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 6/1/2013 - 12/31/2014
Funding Amount: \$5,578

Investigators and Agency Representative:

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Project Abstract: In preparation for future channel and floodplain restoration, the PI will continue data collection on river stage and discharge and sediment transport at five gauges along Lulu Creek and the Colorado River in Rocky Mountain National Park. Groundwater levels of wells adjacent to the stream gauges will also be measured. Data on flow and sediment transport is especially important at two of the five gauging stations because of channel aggradation and avulsions in 2011 that necessitated relocating and reinstrumenting two gauges. Longer data sets on discharge and sediment transport allow representative rating curves to be developed for baseline comparisons prior to restoration activities.

Outcomes with Completion Dates: Final Report - 5/31/2014

Keywords: Rocky Mountain National Park, Colorado State University, Upper Colorado River, flow, sediment transport, restoration