

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Water Resource Monitoring - Bighorn Canyon NRA

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Montana State University
Effective Dates: 5/1/2013 - 3/31/2015
Funding Amount: \$14,000[FY14: \$4,980; FY13: \$9,020]

Investigators and Agency Representative:

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Project Abstract: The Greater Yellowstone Network (GRYN), in cooperation with Montana State University, has been monitoring water quality and quantity at several locations in Bighorn Canyon National Recreation Area (Bighorn Canyon) since 2006. This cooperative project is a continuation of the long-term monitoring Water Resources Monitoring Protocol specific to Bighorn Canyon.

The project involves a combination of 1) maintenance of continuous monitoring equipment installed at three locations in 2011, 2) developing rating curves for water table levels (a surrogate for discharge), and 3) collect measurements of core water quality parameters and discharge and collect samples for water chemistry at select rivers and streams in Bighorn Canyon.

Outcomes with Completion Dates: March 31, 2015

Keywords: water quality monitoring, Bighorn Canyon NR, Montana State University, Greater Yellowstone Network