

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Geology of Bighorn Canyon Film
Discipline: Natural Resources
Type of Project: Education
Funding Agency: National Park Service - RM CESU
Other Partners/Cooperators: Montana State University
Effective Dates: 3/1/2006 - 12/31/2007
Funding Amount: \$45,055

Investigators and Agency Representative:

NPS Contact: James Staebler, Bighorn Canyon National Recreation Area, 20 Highway 14 A East, Lovell, WY 82431 james_staebler@nps.gov, (307) 548-5403

Investigator: Ronald Tobias, MFA Program in Science and Natural History Filmmaking Department of Media and Theatre Arts, Montana State University, Bozeman, Montana 59717, USA, (406) 994-6227, tobias@montana.edu

Project Abstract: These two films are intended to add a clearer understanding of the geological history as part of the overall interpretation of the main feature in the Bighorn Canyon NRA. It will also satisfy the needs of the Montana State University program that produces films as part of the Science and Natural History Graduate Program. The Bighorn Canyon National Recreation Area does not currently have an animation illustrating the geology though that is perhaps the most effective way of conveying understanding of past geological events. This film will be particularly helpful to University level geological summer field camps and our education programs given in local schools. But it will also provide a clearer understanding of the formation of Bighorn Canyon to the wide variety of our visitors. The film would provide broader audio-visual interpretation and will allow the Recreation Area to clearly and simply explain the important geologic events that led to the formation of the Bighorn Canyon.

Outcomes with Completion Dates: Final product will be a twelve minute and a three minute computer animation depicting the sequence of geologic events that occurred in the region of present day Bighorn Canyon. The 12 minute animation will be for auditorium use and the three minute animation will be for use in the geology exhibit. The 12 minute film will be a complete geological history from 600 million years ago to the present. The three minute film will focus more on the erosional history of and above Bighorn Canyon. The 12 minute film will supplement the regular park film which slighted the geology because an intended animation did not become part of the film as originally planned. Final products are due to BICA by April 2007.

Keywords: film, orientation, geology, Bighorn Canyon NRA, Montana State University

For Administrative Use Only:

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