

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

Project Title: Phase I of Visitor Center National Register Archeology: Remote Sensing

Project Code : Award Number: P12AC10560; Project Number: UMT-270

Type of Project : Technical Assistance

Funding Agency: National Park Service

Partner University: University of Montana

NPS Agreement Technical Representative :

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Principal Investigator:

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Start Date of Project: June 4, 2012

End Date of Project: December 31, 2014

Funding Amount: \$10,000

Project Summary, including descriptions of products, work accomplished and/or major results. If the information is restricted (e.g. location of endangered species or cultural resources), indicate the title and location of the final report. Also add web sites where project-related information may be found.

The goal of this study is to help locate and site potential archaeological test units to gather enough data to make a National Register Determination of Eligibility for the Stuart-Menard home site and surrounding area. In order to help evaluate subsurface integrity of the archaeology in this area total field magnetic and ground penetrating radar data were acquired.

The surveys were largely successful despite there being considerable impact from modern facilities and the utilities for those facilities. Some of the area cannot be successfully surveyed with magnetic or radar due to these facilities, the anomalies from them, or the ground conditions. Regardless, among the results are several anomalies likely pointing to archaeologically significant sources. These anomalies were taken

The information found in final technical report is restricted. This report “ Total Field Magnetic and Ground Penetrating Radar Studies at the Grant-Kohrs National Historic site” is on file at the Grant-Kohrs Ranch National Historic Site.

Number of students participating in this project: undergraduates, graduate students, degrees conferred.

Principal Investigator, Steve Sherriff, provided an educational opportunity for six Youth Conservation Corp staff employed at the park. They worked for an afternoon helping locate sites and observing equipment being used.

Lessons Learned from this project:

Remote sensing can give clues, not answers, about below surfaces resources. The more types of remote sensing used, the clearer the clues. Various conditions impact the quality of the results. This was not so much a lesson learned for the technicians but for park managers.

Other RM-CESU agencies or research partners who participated in this project:

This report and its author used results of this project to locate test pits for next phase of project being conducted by PI Dr. Jeff Bendermer, Salish Kootenai College.