

## **Project Summary**

### **Rocky Mountains Cooperative Ecosystem Studies Unit**

**Project Title:** Archeological Data Recovery Reports For Precontact Archeological Sites 48YE116, 48YE357, and 48YE406, Yellowstone National Park

**Discipline:** Cultural Resources  
**Type of Project:** Technical Assistance  
**Funding Agency:** National Park Service  
**Other Partners/Cooperators:** University of Wyoming  
**Effective Dates:** 5/15/2009-12/31/2011  
**Funding Amount:** \$98,948

**Investigators and Agency Representative:**

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**Project Abstract:** The Office of the Wyoming State Archaeologist (OWSA), University of Wyoming will provide for a variety of technical and scientific tests to be conducted on the archeological artifacts and geologic samples collected during the data recovery excavations at three sites, 48YE116, 48YE357, and 48YE406, all associated with obsidian procurement and tool manufacture activities from Obsidian Cliff National Historic Landmark, 48YE433. Excavations to recover archeological data from these three sites was conducted in the 2007 and 2008 field seasons under the data recovery plans previously approved by the Wyoming State Historic Preservation Office.

In addition to laboratory processing of collected field specimens and artifacts, additional scientific analysis such as radiocarbon dating, obsidian source analysis, soils and stratigraphy analysis, faunal analysis, blood residue analysis, macrobotanical analysis, collagen, protein pollen and other tests will be conducted at appropriate laboratories. Tool material types, use wear, life cycle, flake debris and other analysis of stone tools and other artifacts will be conducted at the OWSA laboratories. Museum cataloging of the significant artifacts and photographic recording of the important artifacts will be done at the OWSA facility.

**Outcomes with Completion Dates:** June 10, 2012, 15 copies of each of the three (3) final data recovery reports plus a copy of each of the three reports on a cd.

**Keywords:** archeological artifacts, radiocarbon dating, obsidian source analysis, soils and stratigraphy analysis, faunal analysis, blood residue analysis, macrobotanical analysis, collagen, protein pollen and other tests, Obsidian Cliff National Historic Landmark, Yellowstone National Park, University of Wyoming