

# **Project Completion Report**

## **Rocky Mountains Cooperative Ecosystem Studies Unit (RM-CESU)**

**Project Title: Wyoming Conservation Corps BICA Historic Ranch Restoration**

**Project Code: UWY-169 P12AC10631**

**Type of Project: Technical Assistance and Education**

**Funding Agency: National Park Service**

**Partner University: University of Wyoming/Wyoming Conservation Corps**

**NPS Agreement Technical Representative:** Cassity Bromley, Chief of Resources, Bighorn Canyon NRA, 20 Highway 14 A East, Lovell WY 82431; 307 548 5416; Cassity\_bromley@nps.gov

**Principal Investigator:** Kendall Peacock, Wyoming Conservation Corps, University of Wyoming, Environment and Natural Resource Program, Dept. 3971, 1000 E. University Ave. Laramie, WY 82071, [wcc@uwyo.edu](mailto:wcc@uwyo.edu);

**Start Date of Project: June 10, 2012**

**End Date of Project: June 10, 2013**

**Funding Amount: \$11,410**

### **Project Summary:**

The WCC crew worked directly with BICA's historic preservation crew in the stabilization of the Lockhart North Bunkhouse. This structure needed new sill and wall logs replaced along with a sod roof installed. Logs were replaced in-kind and will be peeled, shaped, and notched to replicate the historic context of the original logs. Crews also assisted with the application of a synthetic log chinking on the Hillsboro Post Office. To further provide educational experiences for the crews, they worked with archeological monitors on excavations as well as work with the natural resource crew in the control of noxious weeds and trail building and maintenance.

### **Activities included:**

- Worked extensively on an archeological interpretive trail (cleared tread, side walls to hold gravel, geo textile weed barrier, filled with gravel).
- Removed Tamarisk
- Opened up corridor around a buck n' rail fence
- Maintained a sod roof on Lockhart Cabin
- Buck and limbed 8 trees near cabin
- Cleaned brush and cut back trees around the front yard of Ewing-Snells Ranch
- Felled, limbed, and bucked 10 hazard trees
- Removed approx. 300 feet of fence and approx. 15 fence posts
- Created/flagged a hydrology grid for the sprinkler system

- Received educational tour of Highland Falls
- Sprayed weeds and Tamarisk
- Additional maintenance around Lockheart Ranch
- Cut away brush from guard rails

**Number of students participating in this project: 6**, Michael de Graff, Ian Johnson, Matthew Karges, Emily Keppler, Sarah Rea, Christian Bopp

**Lessons Learned from this project:**

The WCC crew was educated in the process and application of synthetic log chinking, sod roof systems, and log construction stability, to further the existence of these historic structures. They also aided the Archaeological Technicians with surveys and excavations on sites within the Park.