

# Project Report:

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**PR Number: R2340012002**

**Award Number: P12AC10353**

**Project Number: CSURM-250**

**Park/NPS Unit:** WASO Inventory and Monitoring Division

**Title of Project:** Vegetation Inventory Program Support: guidance, reports, field data, ecological services in support of the NPS Vegetation Inventory Program and IMR parks (focus on Fort Union)

## **Project Contacts**

**Principal Investigator:** Joe Stevens, Ecology Team Lead, Colorado Natural Heritage Program, Colorado State University, 1475 Campus Delivery, Fort Collins, CO 80521-1475, (970) 491-7760, email: Joe.Stevens@ColoState.edu

## **Phase 1 (\$10,473)**

### **Task 1: Updating Main Data Storage Applications**

CNHP staff updated the NPS PLOTS Database from Version 3.2 to a new version Plots 3.3. Following this version, CNHP made additional changes as the request of NPS to create a new version, NPS PLOTS 4.0. Work was thorough and completion of this task met the needs and satisfaction of the NPS Vegetation Mapping Program.

### **Task 2: Compilation and Reformatting of Vegetation Mapping and Accuracy Assessment documents for the Fort Union National Historic Site, New Mexico (FOUN)**

CNHP staff assisted with preparing and formatting the FOUN vegetation mapping report for publication. The report was finalized and published, citation below.

Muldavin, E., J. Stevens, Y. Chauvin, A. Browder, T. Neville, K. Sever, and T. Talbot. 2012. Vegetation survey and accuracy assessment of vegetation mapping at Fort Union National Monument, New Mexico. Natural Resource Report NPS/FOUN/NRR—2012/553. National Park Service, Fort Collins, Colorado. <https://irma.nps.gov/DataStore/Reference/Profile/2186894>

### **Task 3: Review and editing of Accuracy Assessment Guidance (Lee and Curtis 2010).**

CNHP staff participated in a review cycle of the Lee and Curtis (2010) Accuracy Assessment Guidance document. Work was completed by CNHP to NPS satisfaction.

## **Phase 2 (\$7,500)**

### **Task 1: Updating Main Data Storage Applications**

Following Version 3.3 of the NPS PLOTS DB, CNHP made additional changes as the request of NPS to create a new version, NPS PLOTS 4.0. Work was thorough and completion of this task met the needs and satisfaction of the NPS Vegetation Mapping Program. CNHP also crosswalked plot data collected at the Appalachian National Scenic Trail (APPA) into NPS PLOTS 4.0.

### **Task 2: Accuracy assessment planning, project management and field sampling at Lake Mead NRA in coordination with the NPS VIP and the Bureau of Reclamation for completion of the Vegetation Mapping Project**

This work was listed as a possible project, dependent on funding. This task was not funded under agreement P12AC10353. This work was funded and completed under a separate, stand-alone, task agreement P13AC00467.