

## **Project Summary**

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

**Project Title:** Late-seral woody riparian plants and their environment along the upper Missouri River, Montana

**Discipline:** Natural  
**Type of Project:** Research  
**Funding Agency:** Bureau of Land Management  
**Other Partners/Cooperators:** University of Montana  
**Effective Dates:** February 10, 2010 to February 28, 2013  
**Funding Amount:** \$73,000 [FY2012: \$8,000; FY2011: \$29,000; FY2010: \$36,000]

**Investigators and Agency Representative:**

BLM Contact: Chad Krause, Bureau of Land Management Chad.Krause@blm.gov (406) 538-1908

Investigator: Michael Merigliano, Cory Cleveland, and Kali Pennick, University of Montana Mike.Merigliano@cfc.umt.edu

**Project Abstract:**

There is concern about the scarcity of late-seral woody plants (e.g., green ash, box-elder, chokecherry) along the Missouri River in the Missouri Breaks National Monument. Such scarcity can be due to livestock grazing, site quality, or a combination of these. This study will test if there is a relationship between soil factors and the abundance of late-seral woody species with grazing use as a covariate.

**Outcomes:** Yearly performance reports on January 31, 2011 and January 31, 2012. Final report February 28, 2013

**Keywords:** Missouri River, Missouri Breaks National Monument, green ash, soil texture, livestock grazing