

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Seed Zones for Wyoming Sage Grouse Habitat Forbs

Discipline: Natural
Type of Project: Research
Funding Agency: Bureau of Land Management
Other Partners/Cooperators: University of Wyoming
Effective Dates: 5/1/2013 - 4/30/2018
Funding Amount: \$170,000 [FY14: \$85,000; FY13: \$85,000]

Investigators and Agency Representative:

BLM Contact:

Investigator: Kristina Hufford, Department of Renewable Resources, University of Wyoming, 1000 E. University Avenue, Laramie, WY, 82071

Project Abstract: The objective of this project is to study genetic variation and establishment performance of three sage grouse habitat forb species across a wide geographic range. The species of interest should be useful for reclamation and restoration efforts in Wyoming (and potentially surrounding states) rangeland sage grouse habitat where surface disturbance is often due to resource extraction development. The results will contribute to the delineation of seed zones for these species; which can then be used to guide revegetation efforts. The results should determine key genetic resources in the form of native plant accessions that may be incorporated into current collection programs, as well as contribute to future efforts to develop new native seed sources available for reclamation through the commercial seed industry.

Outcomes: April 30, 2018

Keywords: University of Wyoming, Bureau of Land Management, Sage Grouse habitat, seed zones, forbs