

**Project Summary**  
**Rocky Mountains Cooperative Ecosystem Studies Unit**

**Project Title:** Greater Sage Grouse Seasonal Habitat Assessment and Modeling

**Discipline:** Natural  
**Type of Project:** Technical Assistance  
**Funding Agency:** Bureau of Land Management  
**Other Partners/Cooperators:** University of Wyoming  
**Effective Dates:** 9/17/2017 - 9/16/2022  
**Funding Amount:** \$8,000

**Investigators and Agency Representative:**  
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**Project Abstract:** Conduct studies to address biological and management questions regarding sage-grouse populations on the Lander Field Office, to:

- Evaluate the effects of habitat treatments on sage-grouse reproductive demographic response;
- Identify the spatial and temporal scales where habitat treatments affect use versus availability of habitat;
- Examine the relationship of sage grouse fitness and habitat selection in response to livestock grazing and range improvement projects;
- Study juvenile survival by deploying radio transmitters;
- Test the relationship between forb phenology and reproductive success; and
- Investigate dynamics of the sagebrush ecosystem

**Keywords:** University of Wyoming, Bureau of Land Management, Lander Field Office, Greater Sage Grouse