

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

**Project Title: Demography and Vulnerability of Grouse Populations**

**Discipline:** Natural  
**Type of Project:** Research  
**Funding Agency:** USGS  
**Other Partners/Cooperators:** Colorado State University  
**Effective Dates:** 9/30/2014 - 9/30/2019  
**Funding Amount:** \$178,399 [FY15: \$94,014; FY14: \$84,385]

**Investigators and Agency Representative:**

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**Project Abstract:** The objectives for this project will be to conduct initial analyses to assess the genetic structure of Gunnison Sage-grouse populations and evaluate connectivity between these populations; and to understand links between ptarmigan demographic parameters and broad-scale climatic data, local weather data, and vegetation growth phenology, primarily collecting field data.

**Keywords:** Gunnison Sage-grouse, genetic structure, connectivity, USGS, Colorado State University