

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: , Sage Grouse Winter Range Mapping Project
Type of Project): Technical Assistance
Project Discipline: Natural
Funding Agency: BLM
Other Partners/Cooperators:
Effective Dates: June 15, 2005 – December 31, 2007
Funding Amount: \$12,350.00: \$6000.00 (2006); \$ 6350.00 (2005)
Investigators and Agency Representative: PI: Roland L. Redmond <i>Research Associate Professor of Wildlife Spatial Analysis / Director of Wildlife Spatial Analysis Laboratory</i> Phone: (406) 243-4906 ; red@wru.umt.edu
Project Abstract: Objectives: The Wildlife Spatial Analysis Lab (WSAL) will produce a digital database of existing land cover for the Powder River Basin to be used during Brett Walker's and Kevin Doherty's greater sage grouse research (see Naugle, David, Potential Effects of Coal Bed Methane Development on Demography of Sage Grouse). The project is based on SPOT-5 5m resolution satellite imagery and encompasses the study area for each of their projects. WSAL will utilize all available ground-reference data collected by Kevin Doherty and Brett Walker as training data during the classification phase of the project. The digital database will be of sufficient resolution and quality for Kevin Doherty and Brett Walker to perform their analysis.
Outcomes with completion dates (reports, publications, workshops, videos, etc.):
Keywords: Sage Grouse, sagebrush/grasslands, SPOT-5 satellite imagery