

Rocky Mountains Cooperative Ecosystem Studies Unit
Project Summary

Project Title: Implementing a scaled landscape conservation design (LCD) in the Crown of the Continent

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: US. Fish and Wildlife
Other Partners/Cooperators: UM Biological Station
Student Participation: No
Effective Dates: 12/18/2019 – 12/18/2021
Funding Amount: \$41,831

Investigators and Agency Representative:

NPS Contact: Greg Watson, USFWS Region 6
P.O. Box 25486, DFC, MS 60100
Denver, CO 80225-0486
Tel: (303) 929-8069
FAX: (303) 236-3815
greg_watson@fws.gov

Investigator: Erin Sexton, UM Biological Station
32125 Bio Station LN, Polson MT 59860-6815
Tel: (406) 250-8518
Erin.sexton@flbs.umt.edu

Project Abstract: The goal for this opportunity is to complete the technical elements for Phase 1 of the iterative LCD to provide stakeholder draft materials to grasp the potential for a holistic Phase 2 complete Design to be initiated in 2021. Specifically, we will: Use guidance from a Leadership Team and stakeholders to prioritize a set of 10-15 landscape features, elicit key attributes of those features and spatially characterize those attributes; work with subject matter experts to project quantifiable targets for priority feature-attributes and estimate threats to achieving those targets and/or vulnerabilities inherent to features; develop draft spatially-explicit optimization models that describe opportunities to achieve targets and important landscape threats(costs) that limit opportunities, and; document the process rigorously to enable stakeholders and leadership team to cycle immediately into Phase 2 and complete a design for the target geography.