Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Evaluating Management Alternatives to Mitigate the Adverse Effects of Climate Change on Whitebark Pine Ecosystems in the Greater Yellowstone Using Landscape Simulation Modeling

Discipline: Natural
Type of Project: Research
Funding Agency: US Fish and Wildlife Service
Other Partners/Cooperators: Montana State University
Effective Dates: 8/27/2015 – 12/31/2016
Funding Amount: $38,000

Investigators and Agency Representative:
USFWS Contact: Yvette Converse, 2327 University Way, Ste 2, Bozeman, MT 59715; Yvette_converse@fws.gov

Investigator: Kathryn Ireland, P.O. Box 173460, Bozeman, MT 59715; grantsgov@montana.edu

Project Abstract: The goal of this project is to evaluate three alternative management scenarios for creating resilient whitebark pine forests in the GYA. The simulation model FireBGCv2 will be used to test the effects of climate change, competition, and mountain pine beetles on whitebark pine forests.

Outcomes with completions dates: December 31, 2016

Keywords: climate change, whitebark pine, modeling, Greater Yellowstone Area, US Fish and Wildlife Service, Montana State University