

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Modeling Habitat-Specific Probability of Occurrence of Grizzly Bears in the Greater Yellowstone Ecosystem

Type of Project: Research

Project Discipline: Natural

Funding Agency: USGS

Other Partners/Cooperators: Montana State University

Effective Dates: 7/13/2009 - 7/14/2013

Funding Amount: \$88,000 (FY11: \$51,200; FY10: \$18,400; FY09: \$18,400)

Investigators and Agency Representative:

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Project Abstract:

The objective of this study is to develop a GIS-based, spatially explicit model of probability of occurrence of grizzly bears in the GYE. The model will be used to identify important habitats and rank them according to the probability that they will be used by grizzly bears.

Outcomes with completion dates: The final report shall be submitted within 90 days of the end of the project period.

Keywords: grizzly bears, Greater Yellowstone Ecosystem, GIS, probability model, USGS, Montana State University