

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: UW-NPS Grand Teton Research Center, Small Grants Program 2008

Discipline: Interdisciplinary
Type of Project: Education/Research
Funding Agency: National Park Service
Other Partners/Cooperators: University of Wyoming
Effective Dates: 5/1/2008-5/1/2011
Funding Amount: \$20,000

Investigators and Agency Representative:

NPS Contact: Sue Consolo-Murphy, Chief of Science and Resource Management, Grand Teton National Park, P.O. Drawer 170, Moose, Wyoming 83012, 307-739-3481, sue_consolo-murphy@nps.gov

Investigator: Hank Harlow, Director, UWY/NPS Research Station; Department of Zoology and Physiology, POB 3166, University of Wyoming, Laramie, WY 82071; 307-766-4227; hharlow@uwoyo.edu

Project Abstract: Individual university research projects are presented to the University of Wyoming in response to a request for proposals. Proposals are reviewed by a panel of University of Wyoming faculty as well as Grand Teton and Yellowstone National Park personnel. Projects are ranked and selected based on merit, contributions to science, and applicability to park and ecosystem needs. FY 2008 projects were selected by April 22, 2008 and final reports of those projects are due by April 15, 2011. Projects selected for work in Grand Teton NP are:

- Jessica Cable, UWY, *Using stable isotopes of water to determine the contribution of glacial melt to stream flow and plant water use in GTNP*
- Bob Gresswell, MSU and USGS, *Evaluating the movement patterns of finespotted cutthroat trout in the Snake River below Jackson Lake Dam*
- Matthew Kaufman, UWY, *Resource selection, seasonal distribution, movement, and recruitment of bighorn sheep in the Teton Range*
- James Pritchard, Iowa State, *Determination of eligibility for National Register nomination for backcountry patrol cabins*
- Clayton Marlow, MSU, *Impact of irrigation cessation on wetland communities within the Elk Ranch, part II*

Outcomes with Completion Dates: Annual progress reports must be submitted to the NPS web-based research permit and reporting system; final research reports are due by April 15, 2011.

Keywords: Grand Teton NP, University of Wyoming, small research grants, AMK Ranch