

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Adaptive management plan for reservoir release schedule for Jackson Lake Dam to improve/restore habitat on the Snake River
Type of Project: Technical Assistance/physical sciences
Funding Agency: National Park Service
Effective Dates: May 1, 2003 - December 20, 2003
Funding Amount: \$5,000
Investigators and Agency Representative: NPS Key Official: Susan O'Ney, Grand Teton National Park, P. O. Drawer 170, Moose, WY 83012, 307-739-3666, susan_o'ney@nps.gov UNIVERSITY CONTACT: Dr. John C. Schmidt (PI), Associate Professor, Department of Aquatic, Watershed, and Earth Resources, Utah State University, Logan, UT 84322-5240, (435) 797-1791, jschmidt@cnr.usu.edu
Project Abstract: The principal investigator and graduate student will collaborate with the Grand Teton National Park and other researchers to accomplish the following: <ul style="list-style-type: none">• Review and evaluate existing geomorphic and hydrologic data as the basis for recommending changes in reservoir release schedules;• Identify rates of change and major areas of undesirable aggradation;• Establish target objectives for recommending changes in the reservoir release schedule to the BOR for Jackson Lake Dam;• Establish contacts with the Bureau of Reclamation to lay groundwork for future studies;• Prepare a preliminary study plan for additional data collection, monitoring needs, etc. leading to the development of science-based recommendations for changing the Jackson Lake Dam reservoir release schedule.
Outcomes with completion dates: Final Products include: (1) a final report summarizing the state of understanding of Snake River hydrology and geomorphology as it relates to the operation of the Jackson Lake Dam; and (2) a preliminary study plan for proceeding with the development of recommendations for changes in the release schedule of Jackson Lake Dam.
Keywords: Grand Teton National Park, Snake River, Jackson Lake Dam, adaptive management
<u>For Administrative use only:</u> <i>Date Annual Report Received:</i> <i>Date Final Report Received:</i> <i>Publications, etc. on file:</i>