

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Electroshocking to Induce Mortality of Lake Trout Embryos in Yellowstone Lake

Discipline: Natural
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Montana State University
Effective Dates: 7/1/2013 - 6/30/2015
Funding Amount: \$39,147

Investigators and Agency Representative:

NPS Contact: Todd M. Koel, Supervisory Fisheries Biologist, Center for Resources, Fisheries and Aquatic Sciences Program, P.O. Box 168, Yellowstone National Park, WY 82190; 307-344-2281; todd_koel@nps.gov

Investigator: Christopher S. Guy, Assistant Leader, USGS Montana Cooperative Fishery Research Unit, 301 Lewis Hall, P.O. Box 173460, Montana State University, Bozeman, MT 59715; (406) 994-3491; cguy@montana.edu

Project Abstract: The intent of this project is to refine and test a benthic oriented electrode array for reducing survival of lake trout embryos. The electrode array will be developed and lab tested in the spring and early summer. In situ experiments will be conducted in the autumn of 2013. This project will supplement an ongoing Montana State University project to develop an identical electrode array for the same purpose in Swan Lake, Montana.

Outcomes with Completion Dates:

Draft Final Report - December 31, 2013
Final Report - June 30, 2014

Keywords: lake trout, suppression, electroshocking, Yellowstone Lake, Yellowstone National Park, Montana State University