

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Describe existing populations and determine appropriate source populations for restoration of native trout subspecies in ROMO utilizing mitochondrial DNA and microsatellite genetic characterization
Type of Project: Research/biological sciences
Funding Agency: Rocky Mountain National Park
Other Partners/Cooperators: US Fish and Wildlife Service
Effective Dates: August 1, 2003 - May 31, 2006
Funding Amount: \$61,870.00
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Project Abstract: Objectives: 1. Determine the genetic characteristics of historic and restored populations of native greenback cutthroat trout and Colorado River cutthroat trout in Rocky Mountain National Park. 2. Determine which populations possess non-native genes and degree of introgression. 3. Identify populations suitable as source populations for future restoration projects based on genetic information.
Outcomes with completion dates : Annual reports are due at the end of each calendar year. Researchers will also make a presentation to ROMO staff on the results of the project and recommendations. If appropriate, a peer reviewed journal article would be produced. Final Report is due April 31, 2005
Keywords: Rocky Mountain National Park, trout, mitochondrial DNA, microsatellite genetic characterization, greenback cutthroat trout, Colorado River cutthroat trout
<u>For Administrative use only:</u> <i>Date Annual Report Received:</i> <i>Date Final Report Received:</i> <i>Publications, etc. on file:</i>