

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Molecular Analysis of Bluehead Sucker from Canyon de Chelly National Monument

Discipline: Natural Resources

Type of Project: Technical Assistance

Funding Agency: National Park Service

Other Partners/Cooperators: Colorado State University

Effective Dates: 6/1/2007 - 12/31/2008

Funding Amount: \$1175

Investigators and Agency Representative:

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Project Abstract: This task agreement is to provide genetic analysis of Bluehead Sucker [*Catostomus (Pantosteus) discobolus*] tissue to determine if they are Zuni Bluehead Sucker [*C.(P.) discobolus yarrowii*], a federally threatened subspecies which occurs in nearby drainages, in proximity to Canyon de Chelly NM (CACH). This is a part of a region-wide assessment of genetics of Bluehead Sucker. CSU collaborators and NPS fisheries experts and managers will confer on the results of the analysis to determine (1) management implications, and (2) need for additional research. Tasks include:

1. Genetic analysis and classification of samples, compared with known Zuni Bluehead Sucker samples.
2. Determine if fish are Zuni Bluehead Sucker or have Zuni Bluehead Sucker haplotypes
3. A report detailing findings will be provided to the NPS and will also be published in a peer reviewed journal.
4. Recommendation on additional studies needed to determine status of fish in CACH

Outcomes with Completion Dates: Due by September 30, 2007

1. By September 2007, the collaborators will prepare a report of findings. NPS will review the report and provide recommendations to CACH managers,
2. If results are not definitive we will amend this agreement to allow for collection of additional samples in FY08.

Keywords: genetic analysis, fisheries, Bluehead Sucker, Canyon de Chelly NM, Colorado State University

For Administrative Use Only:

Date Annual Report Received:

Date Final Report Received:

Publications, etc. on file: