

I. Project Title: Pilot Project - Cyprinid Removal in the Lower Colorado and Green rivers

II. Principal Investigator:

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III. Project Summary:

The objective of the nonnative cyprinid removal project is to remove small bodied, baitfish species (red shiner (*Cyprinella lutrensis*), sand shiner (*Notropis stramineus*), and fathead minnow (*Pimephales promelas*)) from habitats used by larval and young-of-year (YOY) native endangered species (primarily Colorado pikeminnow (*Ptychocheilus lucius*) and razorback sucker (*Xyrauchen texanus*)) on the lower Green and Colorado rivers, Utah. It is believed that removal of these nonnative cyprinids will reduce predation and competition with native fish larvae (young) in these habitats, resulting in an increase in survival and growth of the young.

Funding in FY2001 was provided to complete the final report. A draft final report is currently in the peer review process with a final report expected in late winter of 2001-2002.

IV. Study Schedule: 1998-2001

V. Relationship to RIPRAP:

General Recovery Program Support Action Plan

- III. Reduce negative impacts of nonnative fishes and sportfish management activities (nonnative and sportfish management).
- III. A. Reduce negative interactions between nonnative and endangered fish.
- III.A.2. Identify and implement viable active control measures.
- III.A.2.a. Identify options (including selective removal) to reduce negative impacts of problem species and assess regulations and options (including harvest) to reduce negative impacts on native fishes from nonnative sportfish.
- III.A.2.c. Implement and evaluate the effectiveness of viable control measures.

Green River Action Plan: Mainstem

- III. Reduce negative impacts of nonnative fishes and sportfish management activities (nonnative and sportfish management).
- III.A. Reduce negative interactions between nonnative and endangered fish.
- III.A.4 Remove small nonnative cyprinids from backwaters and other low velocity habitats.

Colorado River Action Plan: Mainstem

- III. Reduce negative impacts of nonnative fishes and sportfish management activities (nonnative and sportfish management).
- III.A. Reduce negative interactions between nonnative and endangered fish.
- III.A.4 Remove small nonnative cyprinids from backwaters and other low velocity habitats.

VI. Accomplishment of FY 2001 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

Task 1: Field season summary report for Utah finished and delivered.

Task 2: Draft final report is currently in the peer review process.

VII. Recommendations:

Final recommendations for this project will be included in the final report.

VIII. Project Status: Final report scheduled to be completed late winter of 2001-2002.

IX. FY 2001 Budget Status

- A. Funds Provided: \$12,600
- B. Funds Expended: \$ 9,450
- C. Difference: \$ 3,150
- D. Percent of the FY 2001 work completed: 75%
- E. Recovery Program funds spent for publication charges: \$ 0.00

X. Status of Data Submission: Data will be submitted to database manager upon finalization of report.

XI. Signed: *J. Michael Hudson* Date: 12/10/2001