

I. Project Title: Fish Passage at the Price-Stubb Diversion Dam.

II. Principal Investigator(s):

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III. Project Summary: Provide fish passage at the Price-Stubb Diversion Dam

IV. Study Schedule: Project is scheduled to be constructed in FY 2005.

V. Relationship to RIPRAP:

COLORADO RIVER ACTION PLAN: MAINSTEM

II.B.2. Restore fish passage at Price Stubb

II.B.2.a. Evaluate and implement viable options.

II.B.2.a.(1) Obtain landowner consent/agreement.

II.B.2.a.(2) Site design/environmental compliance.

II.B.2.a.(3) Construct.

VI. Accomplishment of FY 02 Tasks and Deliverables:

Alternative designs for a rock-type fish passage were evaluated in Reclamation's hydraulic lab in Denver. A hydraulic model to evaluate passage options was constructed and tested in Reclamation's Denver Office. It does appear to be feasible to construct a passageway similar to the GVIC fish passageway. Costs for this type of passageway appear to be significantly higher than a conventional fish ladder. Landslide monitoring has also continued.

FERC Hydropower License – In 1990, the Federal Energy Regulatory Commission (FERC) granted a license to develop a hydroelectric power generation project at the dam site (the Jacobson Hydro No. 1 Project). The project was put on hold in 1994, and has not been constructed. FERC amended the Jacobson Hydro No. 1 license in September 2001. The amendment included the means to reimburse the licensee for the cost of the fish passage. The maximum amount of the reimbursement was the anticipated cost of the least-cost passage alternative. The license had several performance

requirements which were not achieved. Consequently, the license was terminated by FERC on July 15, 2002.

Since the FERC license was terminated, Mr. Eric Jacobson has contacted Congressman McInnis and asked for intervention. Congressman McInnis has indicated to Mr. Jacobson that he would support special legislation provided that a fish passage alternative can be identified which is compatible with the hydroelectric project.

Reclamation published a revised draft Environmental Assessment on July 26, 2002. A hydropower compatible alternative was identified in the EA and our understanding is that Mr. Jacobson is pursuing his project. The Recovery Program's Biology Committee asked Reclamation to assess the viability of constructing a selective passage at this site.

Reclamation's Technical Service Center in Denver also published Technical Memorandum No. P2-8313-2, Stability Analysis for Price-Stubb Dam Removal, in May 2002. The report was a result of the landslide stability analysis that was performed to determine if dam removal would create any instability in the landslide adjacent to the dam. The analysis found that dam removal "appears to have a stabilizing effect on the stability of the landslide even if river scour should occur." The text of this report (without figures and appendices) is available upon request to Pat Nelson.

VII. Recommendations:

After determining whether or not the passage will be selective, Reclamation will finalize the EA and begin securing necessary land interests.

VIII. Project Status: Ongoing

IX. FY 02 Budget Status

- A. Funds Provided: \$73,970
- B. Funds Expended: \$73,970
- C. Difference: \$ 0
- D. Percent of the FY 02 work completed, and projected costs to complete: Depends on alternative chosen for fish passage.
- E. Recovery Program funds spent for publication charges: N/A

X. Status of Data Submission (Where applicable): N/A

XI. Signed: Robert Norman                      1/30/03  
Principal Investigator                      Date

