

I. Project Title: Fish Passage at the Grand Valley Project Diversion Dam.

II. Submitted by: Bob Norman
Bureau of Reclamation
2764 Compass Drive, Suite 106
Grand Junction, CO 81506
Phone (970) 248-0634
FAX (970) 248-0601
rnorman@uc.usbr.gov

III. Project Summary:

Provide fish passage at the most upstream of the three diversion dams on the Colorado River near Grand Junction, Colorado. This will be a selective passage structure if selective passage is not constructed at the Price-Stubb fish passage.

IV. Study Schedule:

A Biological Assessment has been prepared and the U.S. Fish and Wildlife Service is working on a Biological Opinion. A draft Environmental Assessment was prepared. Construction is scheduled to start in FY 2003.

V. Relationship to RIPRAP:

COLORADO RIVER ACTION PLAN: MAINSTEM
II.B.3. Restore fish passage at Government Highline (Roller Dam).
II.B.3.a. Evaluate and implement viable options.
II.B.3.a.(1) Site design/environmental compliance.
II.B.3.a.(2) Construct.

VI. Accomplishment of FY 02 Tasks and Deliverables:

Near the end of FY 2001, all indications were that Reclamation would design and construct a rock-type fish passage facility at this site. Geologic investigations during the design found that it would not be possible to create a cutoff wall using sheet piling. An option to sheet piling is concrete cutoff walls. Due the depth of the structure and the required length for a rock-type structure, concrete walls were found to be too expensive. Consequently, the decision was made to abandon the rock-type structure and construct a concrete fish passage similar to the proven Redlands Fish Passage design.

Time lost in the abandoned design start caused a delay in the final design and the fall 2002 target construction start was not met. As of September 30, 2002, the design is on schedule for fall 2003 construction. Since operation of the diversion dam would be difficult if not impossible during the construction, Reclamation is planning to construct the fish passage and fish screen during the late fall and winter of 2003 and 2004. This also limits power interference to one winter season.

VII. Recommendations:

Reclamation will proceed with the design and construction of a concrete fish passage structure. The structure will include a fish trap.

VIII. Project Status: Scheduled for construction in FY 2003

IX. FY 02 Budget Status

- A. Funds Provided: \$211,954
- B. Funds Expended: \$211,954
- C. Difference: \$ 0
- D. Percent of the FY 02 work completed, and projected costs to complete: Construction cost is expected to be about \$2,250,000 to \$2,500,000.
- E. Recovery Program funds spent for publication charges: N/A

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

XI. Signed: Robert Norman 1/29/03
Principal Investigator Date