

- I. Project Title: Grand Valley Project Fish Passage and Fish Screen
- II. Principal Investigator(s): Brent R. Uilenberg
Bureau of Reclamation
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- III. Project Summary: The Grand Valley Project Diversion Dam, located on the Colorado River approximately six miles upstream from Palisade, CO, diverts water into the Government Highline Canal. The dam is an impediment to upstream movement of native and non-native fish and entrainment of native fish has been documented. The project consists of constructing a concrete fish passage through the dam near the left abutment and a fish screen and fish return pipeline in the Government Highline Canal two miles downstream from the dam.
- IV. Study Schedule: Construction of a selective fish passage was completed in August 2004. The fish passage was operated on June 16, 20, 21, 22, 23 and 24, 2005. A total of 2,527 fish used the passage (1,341 native, 1,034 nonnative and 152 hybrids). The passage was again operated on September 23, 26, 27, 28, 29 and 30, 2005. A total of 2,111 fish used the passage during this period (1,524 native, 330 nonnative and 257 hybrids). Flows ranged from 13,600 cfs to 2,520 cfs during these test operations.

A construction contract for the fish screen was awarded in August 2004. Construction of the fish screen was substantially completed in September 2005 and test operations were conducted in manual mode intermittently in October. Installation and testing of the SCADA system will be complete in March 2006 at which time the fish screen facility will be fully operational.
- V. Relationship to RIPRAP: Colorado River Action Plan: Mainstem II.B.3.b. Screen Government Highline diversion to prevent endangered fish entrainment, and Colorado River Action Plan: Mainstem II.B.3. Restore fish passage at Government Highline (Roller Dam)
- VI. Accomplishment of FY 2005 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings: The fish passage was successfully test operated in 2005 and is ready for full time operation upon completion of the Price-Stubb fish passage.

Construction of the fish screen was substantially completed in September 2005 and the facility was test operated in manual mode. Full automated operation was not achieved as the SCADA system was not completed.

- VII. Recommendations: Complete installation and testing of the SCADA system during the winter of 2005-2006. Continue to operate the fish passage intermittently until completion of the Price-Stubb fish passage.
- VIII. Project Status: Construction and testing of the fish passage and fish screen will be completed in March 2006 at which time title to the facilities will be transferred to the Grand Valley Water Users Association as well as responsibility for operation and maintenance of the fish screen and maintenance of the fish passage. The Fish and Wildlife Service will assume responsibility for operation of the fish passage.
- IX. FY 2005 Budget Status
- A. Funds Provided: \$3,905,000
 - B. Funds Expended: \$7,437,000
 - C. Difference: FY 2005 expenditures include prior year obligations.
 - D. Percent of the FY 2005 work completed, and projected costs to complete: All major FY 2005 work was completed with the exception of the fish screen SCADA system, \$898,000 has been budgeted in FY 2006 to complete the SCADA system and address any unanticipated design/construction deficiencies.
 - E. Recovery Program funds spent for publication charges: None
- X. Status of Data Submission (Where applicable): Not Applicable
- XI. Signed: /s/ Brent R. Uilenberg November 9, 2005
Principal Investigator Date

APPENDIX: None