

- I. Project Title: Grand Valley Project Fish Screen and Fish Passage
- II. Principal Investigator(s): Brent R. Uilenberg
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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 into the canal has been documented. The project consists of constructing a selective 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 diversion dam.
- IV. Study Schedule: Construction of the fish passage was completed in August of 2004. The passage was successfully operated on an intermittent basis during the 2005 and 2006 irrigation seasons. Full time operation of the fish passage is not scheduled to occur until completion of the Price-Stubb Fish Passage (located approximately six miles downstream of the Grand Valley Project Fish Passage) which is tentatively scheduled for May 2008. Construction of the fish screen was substantially completed in September 2005 with the exception of the SCADA system. Installation of the SCADA system was deferred until completion and successful operation of the Redlands Fish Screen SCADA system. The Redlands Fish Screen performed satisfactorily during the 2006 irrigation season and installation and programming of the Government Highline Fish Screen SCADA system is ongoing. Operation of the fish screen is scheduled for March 2007. Some work is anticipated in FY 2007 to trouble shoot and implement corrective actions, and \$225,000 has been budgeted in FY 2007 if needed. If not needed, these funds can be applied to the Elkhead Reservoir Enlargement or Price-Stubb Fish Passage.
- 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 2006 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings: The Grand Valley Project Fish Passage achieved another year of successful operation on an intermittent basis under a wider range of flows. Completion of the Government Highline Fish Screen SCADA system was deferred until proof of concept was achieved at the Redlands Fish Screen. SCADA installation and programming is underway and scheduled for completion in March 2007.
- VII. Recommendations: Operation of the fish screen and fish passage will require more diligent management and administration of storage releases. A strategy needs to be developed in preparation for this potentially contentious issue. The O&M contract covering these two facilities has not yet been executed. Execution of this contract needs to be accomplished prior to the 2007 irrigation season. There will also be a need to provide assistance in troubleshooting problems and implementing corrective actions.
- VIII. Project Status: On track and ongoing.
- IX. FY 2006 Budget Status
- A. Funds Provided: \$170,000
 - B. Funds Expended: \$306,000
 - C. Difference: -\$136,000
 - D. Percent of the FY 2006 work completed, and projected costs to complete: NA
 - E. Recovery Program funds spent for publication charges: None
- X. Status of Data Submission (Where applicable): NA
- XI. Signed: /s/ Brent R. Uilenberg October 31, 2006
Principal Investigator Date

APPENDIX: None