

- 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 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, 2006 and 2007 irrigation seasons. Full time operation of the fish passage was initiated upon completion of the Price-Stubb Fish Passage (located approximately six miles downstream of the Grand Valley Project Fish Passage) in April 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 was initiated in 2007 and was essentially completed in September of 2008.
- 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 2008 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings: An operation and maintenance contract between the Grand Valley Water Users Association, Fish and Wildlife Service and Bureau of Reclamation was executed on June 5, 2008. Operation of the fish screen was initiated in September of 2008 and has proved successful; however, some additional work is anticipated in FY 2009 to trouble shoot and implement corrective actions and transfer operational responsibility to the Grand Valley Water Users Association in FY 2009. A large sediment bar has developed at the upstream fish passage exist and attraction flow intake. Correction of this problem

will require annual removal and disposal of large volumes of sediment with associated costs or the development of operating criteria for the Grand Valley Project Diversion Dam that will sluice sediment from this area if possible. If it is not possible to sluice sediment through modified dams operations a structural solution should be evaluated.

- VII. Recommendations: Conduct transfer inspection, develop corrective action punch list, implement corrective actions and transfer responsibility for operation and maintenance of the fish screen and maintenance of the fish passage to the Grand Valley Water Users Association in FY 2009.
- VIII. Project Status: Both the Grand Valley project fish screen and fish passage are operational.
- IX. FY 2008 Budget Status
  - A. Funds Provided: \$40,000
  - B. Funds Expended: \$7,830
  - C. Difference: \$32,170
  - D. Percent of the FY 2008 work completed, and projected costs to complete: Not known until transfer inspection is completed
  - E. Recovery Program funds spent for publication charges: NA
- X. Status of Data Submission (Where applicable): NA
- XI. Signed: Brent R. Uilenberg November 19, 2008  
Principal Investigator Date  
(Just put name and date here, since you will be submitting the report electronically)

APPENDIX: *[More comprehensive/final project reports (NOT to be used in place of a complete annual report.). If distributed previously, simply reference the document or report.]*