

COLORADO RIVER RECOVERY PROGRAM  
FY 2014 ANNUAL PROJECT REPORT

RECOVERY PROGRAM  
PROJECT NUMBER: 23

I. Project Title: GRAND VALLEY WATER USERS' ASSOCIATION  
OM&R for Fish Screen and Fish Passage

II. Bureau of Reclamation Agreement Number(s): 08-WC-40-313

Project/Grant Period: Start date (Mo/Day/Yr):  
End date: (Mo/Day/Yr):  
Reporting period end date:  
Is this the final report? Yes \_\_\_\_\_ No X

III. Principal Investigator(s): Grand Valley Water Users' Association  
1147 24 Road, Grand Junction, CO 81505  
(970) 242-5065  
E-mail: office@gvwua.com

IV. Abstract:

Maintain and operate Fish Screen in the Government Highline Canal in order to protect endangered fish and return them to the river. Progress has been made toward keeping the fish screen operating as much as possible during the irrigation season through upgrades and modifications of the screens and operating procedures. Project is on-going.

V. Study Schedule: On-going.

VI. Relationship to RIPRAP: N/A

VII. Accomplishment of FY 2014 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

1. Lift nut on Attraction Flow Gate was replaced.
2. Sonic water level sensors were installed at the Fish Screen.
3. Fish Screen Brush Bumpers were installed.
4. Bearings and shafts for Idler Pulley's on Brush Drives were replaced.
5. Repaired Hydraulic Ram on Atlas Polar Trash Cleaner Unit B.

VIII. Additional noteworthy observations:

IX. Recommendations

X. Project Status: On track and on-going.

XI. FY 2014 Budget Status

- A. Funds Provided: \$71,092.00
- B. Funds Expended: \$68,628.84
- C. Difference: \$2,463.16
- D. Percent of the FY 2014 work completed, and projected costs to complete: 100%
- E. Recovery Program funds spent for publication charges: none

XII. Status of Data Submission (Where applicable): Work Plans through 2017

XIII. Signed: Kevin Conrad, Operations Manager November 17, 2014  
Principal Investigator Date

*APPENDIX: E.g., 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.*

## ANNUAL PERFORMANCE PROGRESS REPORT (PPR)

BUREAU OF RECLAMATION AGREEMENT NUMBER: 08-WC-40-313

UPPER COLORADO RIVER RECOVERY PROGRAM PROJECT NUMBER: \_\_\_\_\_

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OM&R for Fish Screen and Fish Passage

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### Performance:

04-14-14 Started Fish Screen

04-30-14 Had Standby Generator serviced and tested by EmTech, Inc.

06-10-14 Hydraulic Ram on Atlas B broke.

08-04-14 Bypassed Fish Screen to replace brush on Screen 1

08-05-14 Heavy Rain caused ash and fire debris to coat screens

09-10-14 Heavy Rain caused ash and fire debris to coat screens

09-11-14 Heavy Rain caused ash and fire debris to coat screens

10-02-14 Number 1 Brush off due to broken spindle on Idler Pulley

10-21-14 Replaced spindle and bearings on Brush number 1 and restarted Fish Screen

10-22-14 Replaced spindles and bearings as needed on Numbers 2, 3 and 4 Brushes

11-10-14 Shut down Fish Screen for the winter months.

Irrigation water flows were started on March 31, 2014. We began operation of the Fish Screen on April 14, 2014. Irrigation water flows and screen operations ended November 10, 2014.

The fish screen was only by-passed fully for one 24 hour period due to heavy debris. There were several other times when the screen was by-passed for a few hours at a time.

The brushes ran for a total of 1,702.7 hours for 2014. The screens were operated approximately 93% of the total irrigation season.

We seemed to have more silt build up this year, probably due to the high runoff flows. Over all, the screens operated well.

The large debris on the trash rakes continue to be a big problem. One half of the Atlas Polar Trash Rake will be removed this winter and we will clean that half of the grate with a mini excavator.