

COLORADO RIVER RECOVERY PROGRAM
FY 2016 ANNUAL PROJECT REPORT

RECOVERY PROGRAM
PROJECT NUMBER: C-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 2016 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

VIII. Additional noteworthy observations:

IX. Recommendations

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

XI. FY 2016 Budget Status

- A. Funds Provided: \$79,788.00
- B. Funds Expended: \$78,896.21
- C. Difference: \$891.79
- D. Percent of the FY 2016 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 2019

XIII. Signed: Kevin Conrad, Operations Manager November 9, 2016
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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Performance:

- 03-26-16 Started Fish Screen
- 03-28-16 Compressor faulting off, replaced pressure transducer and circuit board on standby generator which burned up.
- 04-13-16 There has been shortened time between cleaning cycles due to increase of moss on screens.
- 04-18-16 The hose trolley was stuck, air hose was pulled off and repaired.
- 05-02-16 Sterling Crane did an annual inspection of all seven bulkhead hoists and repaired or serviced them as needed.
- 05-07-16 Debris on trash rack increased significantly and there was a power failure that lasted 10 hours. Standby generator provided power during that time.
- 05-11-16 The springs on raking head of the Atlas Polar unit were replaced.
- 05-23-16 The trolley on the air hose jammed and pulled the hose apart. The hose had to be replaced.
- 06-06-16 There was heavy debris due to rising flows in the river.
- 06-12-16 The cable on the Atlas Polar broke.
- 06-13-16 The Atlas Polar cable was replaced.
- 07-03-16 Heavy rain caused excess debris, the fish screen was bypassed from 1:00 a.m.

until approximately 7:00 a.m.

07-31-16 The fish screen was bypassed and drained in order to replace the brush on #3; down approximately 8 hours.

10-28-16 Shut down fish screen for the 2016 irrigation season.

Irrigation water flows were started on March 26, 2016. We began operation of the Fish Screen on March 26, 2016. Irrigation water flows and screen operations ended November 1, 2016.

The Fish Screen was only by-passed fully for a total of 14 hours for maintenance.

The brushes ran for a total of 680 hours for 2016. The screens were operated approximately 95% of the total irrigation season.

54 loads of debris were removed at the Fish Screen this season.

Use of the Mini Excavator to clean the trash rack continues to be a very reliable, safe and efficient way to deal with the debris. Upon inspection of the HDPE trash racks after the 2015 and 2016 seasons, it looks like they are holding up well and should not need to be replaced. We will continue to monitor the wear and tear on the racks and make recommendations for replacement in the future. We had been carrying \$75,000 in the budget for replacement of the trash racks. We have taken that item out of future budgets until we deem replacement is necessary.