

- 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:
Colorado River:
II.B.3a(3) Operate and maintain fish passage at Government Highline Canal
II.B.3b(3) Operate and maintain screen at Government Highline Canal to prevent endangered fish entrainment
- VII. Accomplishment of FY 2018 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:
- VIII. Additional noteworthy observations: None.
- IX. Recommendations: None.
- X. Project Status: On track and on-going.
- XI. FY 2018 Budget Status
- A. Funds Provided: \$71,290.63
B. Funds Expended: \$79,599.23
C. Difference: -\$8,308.60
D. Percent of the FY 2018 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 2021
- XIII. Signed: Kevin Conrad, Operations Manager November 5, 2018
Principal Investigator Date

ANNUAL PERFORMANCE PROGRESS REPORT (PPR)

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

UPPER COLORADO RIVER RECOVERY PROGRAM PROJECT NUMBER: C-23

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Performance:

- 03-28-18 Started water to Orchard Mesa Power Plant.
- 03-30-18 Started irrigation water through Tunnel 3.
- 04-16-18 Started Fish Screen.
- 05-08-18 Replaced drive belt on #2 brush.
- 08-24-18 Replaced drive belt on #3 brush.
- 08-27-18 Replaced wires to #3 brush motor
- 10-07-18 Lightning strike cause VFD faults that shut screen off – By-Pass was open for 2 hours.
- 10/12/18 Replaced wire to #3 position sensor
- 10/29/18 Shut Fish Screen off for season

Irrigation flows began on 3/30/18.

The Fish Screen was put into operation on 04/16/18 and was shut down on 10/29/18 when irrigation flows ceased. The brushes ran a total of 1,406 hours. Run time increased this year due to the low flows and clear water in the river that allowed algae to flourish, which causes the screens to quickly plug up.

Approximately 97 loads of debris were hauled from the screen this year, many of which were moss. Two wires were replaced this season; one provided power to a brush motor and the other was a signal wire for a sensor. Otherwise, normal maintenance including greasing and adjusting water-level sensors, drive belts and cleaning the trash racks was required.