

COLORADO RIVER RECOVERY PROGRAM
FY 2019 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): June 5, 2008
End date: (Mo/Day/Yr): Ongoing
Reporting period end date: October 31, 2019
Is this the final report? Yes _____ No X
- III. Principal Investigator(s): Grand Valley Water Users Association
1147 24 Road, Grand Junction, CO 81505
E-mail: Office@GVWUA.com
Phone: (970) 242-5065
- 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 2019 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 2019 Budget Status
- A. Funds Provided: \$79,599.23
 - B. Funds Expended: \$90,985.53
 - C. Difference: -\$11,386.30
 - D. Percent of the FY 2019 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 2022
XIII. Signed: Kevin Conrad, Operations Manager November 13, 2019
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

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

Principal Investigator: Grand Valley Water Users Association
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Performance:

04-04-19 Began delivering approximately 400cfs to Grand Valley Power Plant.
04-06-19 Increased diversion approximately 100cfs and started irrigation flows into Tunnel 3
04-11-19 Fish Screen by-pass was closed and Fish Screen operation began.
04-23-19 Found and replaced broken wire leading to #2 brush motor.
05-16-19 Annual Air Compressor Service.
05-29-19 Removed shroud to check #4 motor and replaced drive belt.
06-05-19 Replaced boom cable on Atlas Polar trash rake.
06/06/19 Gear reducer for #4 brush failed. #4 shut down until new reducer was received.
06/14/19 Installed new gear reducer on #4 brush.
07/08/19 Brush #3 stuck by-passed Fish Screen and drained, removed obstruction and started screen back up
09/13/19 P.L.C. which controls brush operation failed. Bob Norman repaired it and normal operations resumed.
10/30/19 Shutdown and by-passed Fish Screen for the season.
Irrigation flows began on 4/06/19 with the Fish Screen being put into operation on 04/11/19 and was shut down on 10/30/19 with irrigation flows ceasing on 11/1/19.

The Fish Screen operated a total of 2,564 hours, which is up from 1,406 hours in 2018. This was mostly because of debris due to high runoff on the river. Approximately 500 cubic/feet of debris was removed at the screen this year. Wires to the #2 brush motor were replaced, a cable on the Atlas Polar was replaced as well as the gear reducer for the #4 brush. Spare gear reducers were ordered and one was rebuilt to provide replacements for future repairs. We also began experiencing problems with the operators for the slide gates, which are used to control flows through the return pipelines on the screens and also flush debris that collects at the end of the screens. We have replacement operators on order that will be installed for the 2020 season.