

COLORADO RIVER RECOVERY PROGRAM
FY 2013 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. Project is on-going.

V. Study Schedule: On-going.

VI. Relationship to RIPRAP: n/a.

VII. Accomplishment of FY 2013 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

1. A long reach excavator was rented to facilitate in the removal of silt buildup at the Fish Screen both downstream and also in the Forebay area. We were able to clean out the Forebay completely, but there was a small amount that could not be reached on the downstream side. It is our hope that what was left will be washed out by the canal flows.
2. GVVUA crews also fabricated and erected a 20' X 60' roof to cover the Control Panels, Standby Generator, Air Compressor, and a small area to park equipment
3. Three new water level sensors were installed to replace others that had quit working properly. The new sensors use radar technology to measure the water levels. The old ones were pressure transducers which required them to be in the water thus increasing the problems with water entering the sensor and wiring causing failure. The Radar Level Sensors are mounted above the water and eliminates those problems. Investigation has shown them to be very reliable with low maintenance.

A new Caterpillar, track driven skid loader, was purchased for handling the debris that is screened out at the Fish Screen.

VIII. Additional noteworthy observations:

Report a tabulation of ancillary species “boarded and recorded” (e.g. non-target endangered species [although this information is incorporated in the PIT tag database, a summary of captures in the annual report serves as a complimentary metafile], nonnatives removed, juvenile [or suspected juvenile], endangered species too small to PIT tag [photographs encouraged]); observations such as new or unusual species (even if not captured but positively identified (e.g. grass carp); fish kills; observations of unusual fish condition; unusual water or sediment conditions (e.g., post-fire runoff); and the like. Researchers conducting population estimates are particularly encouraged to include these kinds of observations, but any field work in which significant observations are made and not reported under accomplishments should include them here.

IX. Recommendations:

There are three more Radar Water Level Sensors on the Fish Screen that we would like to install, replacing the old pressure transducers as they fail.

No other improvements are scheduled at this time.

2014 Work Plan was submitted on July 22, 2013 with a projected cost of \$71,092.00.

X. Project Status: On track and ongoing.

XI. FY 2013 Budget Status

- A. Funds Provided: \$127,240
- B. Funds Expended: \$122,548.68
- C. Difference: \$4,691.32
- D. Percent of the FY 2013 work completed, and projected costs to complete: 100%
- E. Recovery Program funds spent for publication charges:

XII. Status of Data Submission (Where applicable): *Indicate what data have been submitted to the database manager and when they were submitted.*

XIII. Signed: Kevin Conrad, Operations Manager and /Mark Harris
Principal Investigator Date: November 13, 2013

For projects where more than one agency/entity receives funds from the Bureau of Reclamation, append one PPR from each agency/entity. Otherwise, delete.

ANNUAL PERFORMANCE PROGRESS REPORT (PPR)

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

UPPER COLORADO RIVER RECOVERY PROGRAM PROJECT NUMBER: 23

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Performance:

04-22-13 Attempted to startup Fish Screen, found problems in operating program and with air compressor program. Settings were lost in both over the winter. No explanation for why this happened.

04-29-13 Started Fish Screen.

05-09-13 Major storm event brought in debris from Pine Ridge fire area clogging screens. Had to bypass fish screen.

05-10-13 Started Fish Screen back up.

05-19-13 Bypassed screens due to Atlas Polar trash rake not working properly. Repairs made.

05-20-13 Started Fish Screen back up.

07-18-13 Heavy rainstorm brought down more fire debris. Screen was shut down overnight.

07-19-13 Started Fish Screen back up.

08-23-13 Shut screen down due to heavy rainfall and fire debris clogging screens.

08-26-13 Started Fish Screen back up.

09-23-13 Heavy rains, more fire debris. Shut down screens.

09-24-13 Started Fish Screen back up.

10-31-13 Shut down screens at end of irrigation season.

The Grand Valley Water Users' Association Fish Screen continues to be plagued by the fire debris that is brought down by the monsoonal rains, but has operated very well otherwise with only minor maintenance issues. The actual run time was 498 hours for the 2013 irrigation season. The screens ran 84% of the total irrigation season. The 28 days off were due to low flows in the river; 4 days were due to high loads of debris in the water. Estimated costs in the 2013 Work Plan were \$127,240.00. Actual costs were \$122,548.68.