

Project Title: Grand valley Water Users' Association
OM&R for Fish Screen Fish Passage

Bureau of Reclamation Agreement Number:
08-WC-40-313

Project/Grant Period:
Start date: June 5, 2008
End date: Ongoing
Reporting period end date: October 31st, 2022
Is this the final report? Yes _____ No X

Principal Investigator:
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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

Study Schedule:
Ongoing

Relationship to RIPRAP:
Colorado River:
II.B.3a(3) Operate and maintain fish passage at Government Highline Canal
II.B.3a(3) Operate and maintain screen at Government Highline Canal to prevent
Endangered fish entrapment.

Accomplishment of FY 2022 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

Name of Project Segment, Task as desired

Additional noteworthy observations:

Recommendations:

Standby Generator and air compressor were serviced
Drive cables on brushes will need replaced before next season
Brushes on brush arms replaced as needed
Downstream screen left water level sensor needs replaced

Performance:

4/2/2022	Irrigation Flows Began
4/27/2022	Fish Screen was put into operation
4/28-5/5/2022	Air compressor down—brought in rental machine
5/8-5/12/2022	Fish screen was bypassed while replacing tail pulley bearings
5/27/2022	Fish screen return pipeline plugged with debris. Shut down bypass flows and cleaned out debris. Return flow meter cable became entangled in debris and pulled loose from mounting clips
7/22/2022	Replaced seals in slide gate gearbox.
7/28/2022	Began seeing moss on screens
8/15-8/16/2022	Flash flooding upstream brought a large amount of debris
8/23/2022	Repaired air hose on #1 brush
8/24/2022	Replace air valve on #2 brush
8/27-8/28/2022	Air compressor was down (used portable compressor)
10/3/2022	Flash flood debris had to partially bypass screen for the day
11/4/2022	Irrigation flows shut down along with the fish screen

Project Status: Screen Operated 1941 hours during 2022 Season- This was almost double the hours over 2021 mainly due to debris caused by flash flooding the previous year.

FY 2022 Budget Status

Funds Reimbursed FY 2021: \$160,577.74
Funds Expended FY 2022: \$125,313.45
Difference: \$35,264.29
Percent of the FY 2022 work completed, and projected costs to complete: 100%
Recovery Program funds spent for publication charges: None

Status of Data Submission

(Where applicable): Work Plans through 2024

**Signed: Kevin Conrad, Operations Manager
December 1, 2022**

