

COLORADO RIVER RECOVERY PROGRAM  
FY 2012 ANNUAL PROJECT REPORT

RECOVERY PROGRAM  
PROJECT NUMBER: 116/C33

Project Title: Operation and Maintenance of the Fish Screen and Maintenance of the Fish Passage Facility at the Redlands Water and Power Company Diversion Dam.

Bureau of Reclamation Agreement Number(s): 04-WC-40-040

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  

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Project Summary: The Redlands Water and Power Diversion, located on the Gunnison River near Grand Junction, Colorado, diverts water into the Redlands Power Canal. A fish passage structure was constructed around the diversion dam in 1996. A fish screen and fish return pipeline was constructed in the canal in 2004. The fish passage is operated by the U.S. Fish and Wildlife Service. Redlands operates and maintains the fish screen and performs maintenance on the fish passage.

Study Schedule: Redlands makes every effort to operate the fish screen whenever diverting water into the Power Canal. Maintenance on the fish passage is performed after the U.S. Fish and Wildlife Service complete annual operation.

Relationship to RIPRAP: Colorado River Action Plan: Mainstem II.B.3.

Accomplishment of FY 2012 Tasks and Deliverables, Discussion of Initial Findings and shortcomings:

The following major maintenance activities were completed on the fish passage:

Refer to US Fish and Wildlife Service – Dale Ryden

Redlands Water and Power Co. cooperated with FWS on maintenance

The following improvements were made to the fish passage:

Refer to US Fish and Wildlife Service – Dale Ryden

Redlands Water and Power Co. cooperated with FWS on maintenance

The fish screen was operated during the following periods:

Bypassed	10/01/11	Continued offline due to pebbles and sediment plugging screen. Flushing system to attempt to clear sediment.
Bypassed	10/04/11	Continued to flush.
Bypassed	03/12/12	Cut east bay grate for access to clean the inside of the screen. Cleaned sediment and pebbles out of screen. Cleaned canal and pond of sediment from the 2011 runoff.
Bypassed	04/19/12	Re-installed east grate. Repair trash rake.
Online	04/30/12	
Bypassed	05/04/12	Low water in the river/canal
Bypassed	05/09/12	Replaced and repaired Electronics in air compressor.
Online	05/15/12	
Bypassed	05/31/12	Fish Ladder closed due to low water.
Online	06/05/12	Fish Ladder online
Bypassed	06/11/12	Low water levels
Online	07/02/12	
Bypassed	08/07/12	Low water levels
Online	08/14/12	

Bypassed	09/17/12	Remove TV stuck in discharge throat
Online	09/17/12	
Offline for Season	11/01/12	

The following major maintenance activities were completed on the fish screen:  
Removed several hundred yards of sediment from the Fish Screen and canal inlet.  
Sediment caused the Fish Screen to plug and be taken offline.

The following improvements were made to the fish screen:

Recommendations:

Project Status: On schedule and on budget.

FY 2012 Budget Status:

Funds Provided: \$76,422.70

Funds Expended: \$72,833.31

Status of Data Submission (where applicable): Not applicable

Kevin E. Jones, Superintendent  
REDLANDS WATER AND POWER COMPANY