

**COLORADO RIVER RECOVERY PROGRAM
FY-2004–2005 PROPOSED SCOPE OF WORK for
(Redlands screen)**

Project No.: C-33

Note: Annual reports only.

Lead Agency:	U.S. Bureau of Reclamation		
Submitted by:	Bob Norman	<u>Category (check</u>	<u>Expected</u>
Address:	Bureau of Reclamation	<input checked="" type="checkbox"/> Ongoing	<input type="checkbox"/> Annual
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Date:	June 3, 2003 (revised 6/23/03, 10/2/03 by Pat Nelson)		

I. Title of Program

Screening of the Redlands Power and Water Diversion Dam

II. Relationship to RIPRAP

Gunnison River Action Plan: Mainstem

II.B.1.g. Screen Redlands diversion structure to prevent endangered fish entrainment.

III. Study Goals, Objectives, End Product

Project goals are to design and construct a fish screen for the Redlands diversion that will exclude, without harm, adult fish approximately 300 mm in length while allowing unimpeded diversion of the Redlands Power and Water decreed water.

IV. Study Area

The Gunnison River in the vicinity of the Redlands Power Canal diversion dam

V. Task description

1. Work with the irrigation company staff and board. (Ongoing)
2. Preliminary study to identify alternatives and define design criteria. (Complete)
3. NEPA and permitting.
4. Develop an operation and maintenance agreement for the long-term operation and maintenance of the screen.
5. Prepare plans and specifications for recommended screening option. (80% complete)
6. Construction of screen.

7. Operate and evaluate screen operation
8. Long-term operation of screen and passage structures.

VIII. FY-2004 Work

Task 3 - NEPA and permitting

Deliverable	NEPA document and permits	
Budget		
	Labor (7 wks @ \$2,300/wk)	16,100
	Travel	0
	Equipment (IT Equipment Assessment)	300
	Other - Construction contract	
	Total	<u>16,400</u>

Task 4 - Easements and O&M Agreement

Deliverable	Preconstruction documents	
Budget		
	Labor (3 wks @ \$2,300/wk)	6,900
	Travel	0
	Equipment (IT Equipment Assessment)	150
	Other	0
	Total	<u>7,050</u>

Task 5 - Design and Specifications

Deliverable	Design and specifications	
Budget		
	Contract Admin (35 wks @ \$2,300/wk)	80,500
	Travel	0
	Equipment (IT Equipment Assessment)	1,600
	Other - Construction contract	250,000
	Total	<u>332,100</u>

FY-2005 Work

Task 6 - Construct Fish Screen

Deliverable Design and specifications

Budget

Inspection Labor (26 wks @ \$1,900/wk)	49,400
Materials testing (8 wks @ \$1,900/wk)	15,200
Surveying (6 wks @ \$2,400/wk)	14,400
Contract Ad (22 wks @ \$2,300/wk)	50,600
Travel	0
Equipment	2,600
Other	3,350,000
Total	<u>3,482,200</u>

Note: Estimated construction completion by September 2005.

Task 7 - Operate and Evaluate

Deliverable

Budget

USBR Labor (8 wks @ \$1,875/wk)	15,000
Redlands labor (see O&M SOW)	0
Travel	0
Equipment (IT Equipment Assessment)	300
Redlands Labor (68 wks @ \$800 wk)	<u>54,400</u>
Total	<u>69,700</u>

IX. Budget Summary

	2004	2005
Construction	355,550	3,551,900

X. Reviewers

XI. References

