

**COLORADO RIVER RECOVERY PROGRAM  
FY-2010-2011 PROPOSED SCOPE OF WORK for:**

Project No.: C29a

(Salvage of fish from the Grand Valley Irrigation Company and Grand Valley Water Users canals).

Lead Agency: Fish and Wildlife Service  
Colorado River Fishery Project

Submitted by: Bob D. Burdick, Fishery Biologist (LEAD)  
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Date: 30 April 2009

Category:

- Ongoing project
- Ongoing-revised project
- Requested new project
- Unsolicited proposal

Expected Funding Source:

- Annual funds
- Capital funds
- Other (explain)

- I. Title of Proposal: **Salvage of fish from Grand Valley Irrigation Company and Grand Valley Water Users Canals**
- II. Relationship to RIPRAP: Colorado River Mainstem II.B.1.b. Screen Grand Valley Irrigation Company Canal.
- III. Study Background/Rationale and Hypotheses:

A fish screen was constructed on the Grand Valley Irrigation Company (GVIC) irrigation canal in winter 2001 – 2002. However, for the first few years following construction, the screen was not operated for a full season. The GVIC fish screen is now fully operational. A fish screen was completed in the summer of 2005 for the Grand Valley Water Users Canal. It is scheduled to full operational for 2009. However, during events when debris overloads the screens and water cannot pass through them, the irrigation companies have the option of either lifting the screens (GVIC) or use the bypass channel (GVWUs). When this occurs, fish can pass downstream of the fish screen and underground pipe that returns them to the river. Hence, fish can swim down canal and ultimately become stranded in the canal when it is dewatered during the fall.

IV. Study Goals, Objectives, End Product:

Estimate the number of fish entrained in the GVIC canal. Return native fish to the Colorado River.

V. Study Area

GVIC and GVWU irrigation canals, Grand Junction, Colorado

VI. Study Methods/Approach

The upstream portions of the main canals and major laterals that hold water after irrigation diversions are terminated will be sampled using a barge electrofishing system carried in the back of a pickup truck. The truck will travel the canal roads searching for pools of water that could still hold fish. When pools of water are found, crews will walk the canal using electrofishing probes and capture all fish possible. Native fish will be placed in a hatchery truck, transported to the Colorado River and released alive. Records of species and numbers of fish collected will be maintained.

VII. Task Description and Schedule

Task 1. Sample GVIC and GVWU canals

Schedule

Task 1. 11/2010; 11/2011

VIII. FY-2010 Work

Deliverables/Due Dates: Sample canal, provide summary of fish collected—November, 2010

Budget (actual salary rates w/ benefits provided by CRFP Administrative Officer used for labor; vehicle and office supplies expenses increased by 3%/yr incrementally from 2007 budget)

Task 1. Sample GVIC and GVWU canals, remove native fish and re-locate to the Colorado River

Labor (salary and benefits)

Project Leader (1-GS-14@ 3,202/wk)	2 weeks	\$ 6,404
Fishery Biologist (3-GS-12@ 2,429/wk)	2 weeks	\$ 14,574
Biological Technicians (2-GS-9@ 1,539/wk)	2 weeks	\$ 6,156
Admin. Assistant (1-GS-9, @ 1,539/wk)	1 week	<u>\$ 1,539</u>
	Subtotal	\$ 28,673

Equipment/Supplies			
Three 4 X 4 vehicles (GSA-leased, FWS owned)			
gasoline, maintenance			\$ 765
Office supplies, phone, copy machine			<u>\$ 656</u>
	Subtotal		\$ 1,421
	<b>FY2010</b>	<b>Total</b>	<b>\$ 30,094</b>

VIII. FY-2011 Work  
Deliverables/Due Dates: Sample canal, provide summary of fish collected—November, 2011

Budget (actual salary rates w/ benefits provided by CRFP Administrative Officer used for labor; vehicle and office supplies expenses increased by 3% from 2010 budget)

Task 1. Sample GVIC and GVWU canals, remove native fish and re-locate to the Colorado River

Labor (salary and benefits)			
Project Leader (1-GS-14@ 3,330/wk)	2 weeks		\$ 6,660
Fishery Biologist (3-GS-12@ 2,525/wk)	2 weeks		\$ 15,150
Biological Technicians (2-GS-9@ 1,600/wk)	2 weeks		\$ 6,400
Admin. Assistant (1-GS-9, @ 1,600/wk)	1 week		<u>\$ 1,600</u>
	Subtotal		\$ 29,810

Equipment/Supplies			
Three 4 X 4 vehicles (GSA-leased, FWS owned)			
gasoline, maintenance			\$ 788
Office supplies, phone, copy machine			<u>\$ 676</u>
	Subtotal		\$ 1,464
	<b>FY2011</b>	<b>Total</b>	<b>\$ 31,274</b>

IX. Budget Summary

FY-2010	\$	30,094
FY-2011	\$	<u>31,274</u>
Grand Total:	\$	<b>61,368</b>

X. Reviewers

XI. References

\* Do NOT include overhead costs on funds transferred from Reclamation to the Service.

Prepared and compiled by: Bob D. Burdick, 30 April 2009  
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