COLORADO RIVER RECOVERY PROGRAM

Lead Agency: Fish and Wildlife Service, CRFP, Grand Junction, CO

Submitted by: Bob Burdick, Fishery Biologist
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FAX: (970) 245–6933
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Date: April 27, 2005 (revised 6/14/05 by Pat Nelson)

Category: Expected Funding Source:
X Ongoing project
_ Ongoing-revised project
_ Requested new project
_ Unsolicited proposal
X 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 Action Plan: Mainstem
II.B.1.b. Screen GVIC diversion to prevent endangered fish entrainment.
II.B.3.b. Screen Government Highline diversion to prevent endangered fish entrainment.

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, the screen has not been run for a full season since its construction. A fish screen will be completed in the summer of 2005 for the Grand Valley Water Users Canal.

IV. Study Goals, Objectives, End Product:

Estimate the number of fish entrained in the GVIC and GVP canals. Return native fish to the Colorado River.
V. Study Area

GVIC and GVP 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


VIII. FY-2006 Work

– Deliverables/Due Dates
  Sample canal, provide summary of fish collected — November, 2006

– Budget

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22,658.00

Equipment

Three vehicles, rental, gasoline, maintenance 600.00
Office supplies, phone, copy machine etc 500.00

1,100.00

23,758.00
FY-2007 Work (for multi-year study)
Sample canal, provide summary of fish collected — November, 2007

– Budget

Labor

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Equipment

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1,300.00

25,343.00

IX. Budget Summary

 FY-2006 $23,758
 FY-2007 $25,343
 Total: $49,101

X. Reviewers

XI. References

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