

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

Project No.: 16

Lead Agency: Fish and Wildlife Service
Colorado River Fishery Project

Submitted by: Travis Francis – Fishery Biologist

Address: 764 Horizon Drive, Building B
Grand Junction, CO 81506

Phone: (970) 245-9319

FAX: (970) 245-6933

E-Mail: Travis_francis@fws.gov

Date: March 4, 2011

Category

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

Expected Funding Source

- Annual funds
- Capital Funds
- Other

I. Title of Proposal: **Database Management**

II. Relationship to RIPRAP: V.A.1 Conduct interagency data management program to compile, manage, and maintain all research and monitoring data collected by the Recovery Program.

III. Study Background/Rationale and Hypotheses

Development of a centralized database was an initial requirement for formation of the Recovery Implementation Program.

IV. Study Goals, Objectives, End Product:

A. Goal: Maintain a current, computerized database of all fishery data collected from the Upper Colorado River Basin using funds from the Colorado River Recovery Program (UCRRP).

B. Objectives:

Database Management.

1. Compile and provide documentation for all native fishery data collected in the Upper Colorado River Basin under the auspices of the Colorado River Recovery Program.
2. *Compile and provide documentation for all non native fishery data collected in the Upper Colorado River Basin under the auspices of the Colorado River Recovery Program.*
3. Assist cooperators with database management.
4. *Assist with 2nd level synthesis for nonnative fish removal RFP. Provide first tier contact for awarded grantee regarding non native database.*
3. Distribute PIT tags to cooperators, keep records of distribution, maintain tagging list of endangered fish tagged in the upper basin.
4. Provide current list of stocked fish and recaptures to coordinator.

C. End Product: Current database of fish data collected under the Recovery Program.

V. Study area: Upper Colorado River Basin

VI. Study Methods/Approach: Compile data according to study methods of individual investigators.

VII. Task Description and Schedule

Database Management

1. Continue to review 'old' data to eliminate errors from the database.
2. Catalog and distribute PIT tags to cooperators for use in tagging endangered fishes during studies funded by the Recovery Program.
3. Review all tagging files as they are entered into the DBMS for potential errors.
4. Compile and distribute an annual list of all endangered fish tagged during studies funded by the Recovery Program (except during propagation activities restricted to rearing facilities).
5. Receive, catalog, and document all data files submitted by researchers in the Recovery Program.

6. Update on an annual basis the documentation included with all files in the DBMS.
7. Provide technical support to all cooperators in the Recovery Program.
8. Coordinate with program participants to assess possible changes in software or data handling relative to recent advances in technology
9. In coordination with hatchery managers, provide summary information of stocking events to coordinator and researchers. Compile summary of stocked fish recaptures by species, river and year.
10. *In coordination with the UCRRP non native fish removal coordinator, provide technical support and summary information of non native data to researchers and cooperators.*

VIII. FY-2010 Work

Deliverables/Due Dates

Maintain Upper Colorado River Basin database management system; summarize data; provide annual listing of all files contained in the Upper Basin database; provide an annual listing of all PIT-tagged fish captured and released in the upper basin. Provide stocking, recapture, *and non-native* data to corresponding coordinator.

Labor for tasks 1-9

Project Leader (6 weeks @ 3202)	19,212
Fishery Biologist (8 weeks @ 1539)	12,312
Fishery Biologist (4 weeks @ 2429)	9,716
<i>Programmatic Small Mouth Bass Synthesis</i>	
<i>Fishery Biologist (4 weeks @ 1539)</i>	<i>6,156</i>
Admin. Officer (4 weeks @ 1539)	6,156
Biological Technician GS 5 (2 weeks @ 697)	<u>1,394</u>
Labor Subtotal	54,946
office supplies, phone, paper, copy machine	1,000
computer supplies, training, software, maintenance	1,000
computer replacement and repair	1,100
Meeting attendance: travel and per diem	2,000
Vehicle rental, maintenance, gasoline	800
Overhead subtotal	5,900
Total	60,846

FY-2011 Work

Maintain Upper Colorado River Basin database management system; summarize data; provide annual listing of all files contained in the Upper Basin database; provide an annual listing of all PIT-tagged fish captured and released in the upper basin. Provide stocking, recapture, and *non-native* data to corresponding coordinator.

Labor for tasks 1-9

Project Leader (270 hrs @ \$72.14/hr)	19,478
Fishery Biologist (320 hrs @ \$41.57/hr)	13,302
Fishery Biologist (160 hrs @ \$57.96 hr)	9,274
<i>Non-native Database Management</i>	
<i>Fishery Biologist (127 hrs @ \$41.57)</i>	5,279
Admin. Officer (160 hrs @ \$38.80)	6,208
Biological Technician GS 5 (80.5 hrs @ \$17.45/hr)	<u>1,405</u>
Labor Subtotal	54,946
office supplies, phone, paper, copy machine	1,000
computer supplies, training, software, maintenance	1,000
computer replacement and repair	1,100
Meeting attendance: travel and per diem	2,000
Vehicle rental, maintenance, gasoline	800
Overhead subtotal	<u>5,900</u>
Total	60,846

IX. Budget Summary

FY-2010 \$60,846
FY-2011 \$60,846

X. Reviewers: Various Service and Recovery Program staff.

XI. References