

**COLORADO RIVER RECOVERY PROGRAM
FY-2016-2017 SCOPE OF WORK**

Project No.: 142

Provide Technical Assistance to the Recovery Program

Lead Agency: SWCA Inc., Environmental Consultants

Submitted by: Richard A. Valdez & Brian Bader (SWCA)

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Date: 6/30/2016 AKantola

Category:

Ongoing

Ongoing-revised project

Requested new project

Unsolicited proposal

Expected Funding Source:

Annual funds

Capital funds

Other (Section 7)

I. Title of Proposal: *Provide Technical Assistance to the Recovery Program*

II. Relationship to RIPRAP:

- General Recovery Program Support Action Plan
 - VII.A.5 Conduct species status review and update recovery goals at least every 5 years.

III. Study Background/Rationale and Hypotheses:

- Program Management: Revise Recovery Goals for Four Big River Fish.— Recovery Goals for humpback chub, Colorado pikeminnow, razorback sucker, and bonytail were approved in August 2002 by the U.S. Fish and Wildlife Service (Service). The Service began revising these recovery goals in 2007; the Service subsequently committed to revising the entire recovery plans. Dr. Valdez assisted the Service (in coordination with the Recovery Program) in developing the 2002 recovery goals, and will assist the Service in revising these goals under this Scope of Work.

IV. Study Goals, Objectives, End Product:

Goal

The goal of this scope of work is to respond to requests for assistance by the Recovery Program including, but not limited to assistance with revision of recovery plans as requested by the Program Director and/or his designated staff.

Objective: Assist in revising the four endangered fish species recovery goals.

End Products: Draft and final revisions of recovery plans for Colorado pikeminnow, humpback chub, razorback sucker, and bonytail.

V. Study Area:

This work applies to the entire range of the endangered Colorado River fishes. The work itself will be performed principally at the office of Dr. Richard A. Valdez, SWCA Inc., in Logan, UT; and also at the Upper Colorado River Endangered Fish Recovery Program Director's Office in Lakewood, CO.

VI. Study Methods/Approach:

Assist the Service (in coordination with the Recovery Program) with completing revision of the four endangered fish species recovery plans. Dr. Valdez is, at the request of the Service and Program Director, assisting the Service with revision of the four endangered fish species recovery plans. Dr. Valdez helped to draft the 2002 recovery goals. The revised recovery goals will be assimilated with past and new information, and consistent with the ESA, implementing regulations, and the Service handbook for recovery plan development.

VII. Task Description and Schedule

Description

Assist the Service (in coordination with the Recovery Program) with completing revision of the four endangered fish species recovery plans.

Schedule

Current schedules for humpback chub and Colorado pikeminnow work are:

Humpback chub recovery plan

Recovery Plan development is expected to span 20 months. Five meetings are expected about 3 months apart with intervening communications and document exchanges. A Species Status Assessment is expected to be completed and delivered to Project # 142 Technical Assistance to Recovery Pgm, FY 2016-2017 SOW, Page 2

the USFWS in about 6 months, and a Draft Final Recovery Plan is expected to be delivered to the Regional Director by June 2017.

Meetings and Task	2015		2016												2017					
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Meeting #1: Strategy	█																			
Meeting #2 – SSA				█																
Species Status Assess.	█	█	█	█	█	█														
Meeting #3 – Rec. Plan							█													
Recovery Plan							█	█	█											
Meeting #4 – Impl. Plan										█										
Implementation Plan										█	█									
Meeting #5 –T.A. Draft												█								
Tech Review Draft												█	█	█						
Internal Review Draft															█	█				
Public Review Draft																	█	█	█	
Draft Final Recovery Plan																			█	

Colorado pikeminnow PVA (Valdez serving as an advisor)

Deliverables/Due Dates – This project will begin September 1, 2015 and end October 31, 2016. Work will be initiated through the PDOs’ offices and the PVA scientist will begin on February 1, 2016. The work will be done according to the following schedule:

Task	20015				2016										
	S	O	N	D	J	F	M	A	M	J	J	A	S	O	
1: Develop Extinction Criteria	←————→														
2: Assimilate Data	←————→														
3: Conduct / Develop PVA					←————→										
3a: Incorporate Data into Model					← - - - - ->										
3b: Workshop #1 to Review Model							← - - - - ->								
3c: Workshop #2 to Identify Extinction Risk										← - - - - ->					
4: Review / Finalize PVA												←————→			

Schedules for razorback sucker and bonytail recovery plans TBD.

VIII. FY-2016-2017 Work

Deliverables/Due Dates:

Assist in preparing Species Status Assessments, Population Viability Analyses, and revising species Recovery Plans. Deliverable dates TBD, depending on review process.

Budget

Task Name	Labor Hours	Labor Dollars	Expense Dollars	Total Budget \$
Task 01: Project Management	24	\$ 1,980	\$ -	\$ 1,980
Task 02: Technical Assistance	1,000	\$82,500	\$10,000	\$92,500
	1,024	\$84,480	\$10,000	\$94,480

Labor (hourly rate) = \$82.50

IX. Budget summary

FY2016-2017 up to \$100,000

X. Reviewers:

Tom Czapla, Upper Colorado River Endangered Fish Recovery Program
Angela Kantola, Upper Colorado River Endangered Fish Recovery Program
Tom Chart, Upper Colorado River Endangered Fish Recovery Program

XI. References

None