

**COLORADO RIVER RECOVERY PROGRAM
FY-2004–2005 PROPOSED SCOPE OF WORK for:
(Habitat construction)**

Project No.: C-6-Construction

Lead Agency: U. S. Fish and Wildlife Service
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<u>Category:</u>	<u>Expected Funding Source:</u>
<input checked="" type="checkbox"/> Ongoing project	<input type="checkbox"/> Annual funds
<input type="checkbox"/> Ongoing-revised project	<input checked="" type="checkbox"/> Capital funds
<input type="checkbox"/> Request new project	<input type="checkbox"/> Other (explain)
<input type="checkbox"/> Unsolicited new project	

I. Title of Proposal: **Habitat restoration for easements acquired by the Recovery Program.**

II. Relationship to RIPRAP:
GREEN RIVER ACTION PLAN: MAINSTEM
II. Restore habitat
II.A. Restore and manage flooded bottomland habitat
II.A.3. Implement levee removal strategy at high-priority sites
II.A.3.a. Pre-construction environmental compliance
II.A.3.b. Construction
COLORADO RIVER ACTION PLAN: MAINSTEM
II. Restore habitat
II.A. Restore and manage flooded bottomland habitat
II.A.4. Implement levee removal strategy at high-priority sites
II.A.4.a. Pre-construction environmental compliance
II.A.4.b. Construction

III. Study Background/Rationale and Hypotheses:

Easements were acquired on three properties during FY 03. Plans are to create habitats that will entrain drifting razorback sucker larvae and serve as nursery areas to assist in recovery of the species.

IV. Study Goals, Objectives, End Product:

Goal: To restore/enhance nursery habitats for larval razorback sucker.

Objectives:

1. Review design plans.
2. Conduct NEPA.
3. Construct/configure habitats.

End Product: Razorback sucker nursery habitats.

V. Study Area:

-Thunder Ranch on Green River RM 306

-Audubon property on Colorado River RM 168

-Hot Spot Area Complex on Colorado River RM 175

VI. Study Methods/Approach:

Thunder Ranch

Currently, the Green River overtops the levee every 10 to 25 years on average, when flows at Jensen exceed 30,000 cfs. The levee will be notched in 8 locations so that the river flows through the wetlands every 2 years on average, when Jensen flows exceed 16,900 cfs. Each notch will be 100 feet wide. The outlet area will be stabilized to protect adjacent pipeline easements. A ditch will be cut from an existing dry well to allow 2 cfs freshening flows when Jensen flows exceed 7,000 cfs. To reduce selenium levels, a perforated manifold pipe will be installed to intercept selenium-laden water seeping from the hillside, and seep water will be piped directly into the river.

Audubon Property

A 50-foot wide notch will be cut into the upstream end of the levee to allow a portion of the Colorado River to flow through the existing wetlands during spring runoff. The notch will be stabilized with rip-rap. Excavated spoils will be used to build up a levee along the east fence line to provide existing levels of flood protection to adjacent landowners.

Hot Spot Complex

Levees will be breached to connect the Tipping property with the Mesa County property (Pickup Pond) on the upstream end, and with the Colorado Division of Parks properties (Gravel Pit at 29 5/8 Road) on the downstream end. A portion of the Colorado River will flow through the area nearly every year during spring runoff.

VII. Task Description and Schedule

Construction at each site will be scheduled upon completion of NEPA.

See attached for task descriptions.

VIII. FY-2004 Work:

1. Deliverables/due dates: Annual Report November 2004

2. Budget (Construction only; see attached for budget breakdown):

<u>Thunder Ranch</u>	\$172K
Includes selenium remediation	
<u>Audubon Property</u>	\$ 49K
See attached for budget breakdown	
<u>Hot Spot Complex</u>	<u>\$149K</u>
Includes clean-up of debris, asbestos, and mill tailings	
Total	\$370K

IX. Budget Summary:

FY-2004 \$370K

Note: Budget does not include costs for NEPA

X. Reviewers: Biology Committee, Management Committee

XI. References: