

**COLORADO RIVER RECOVERY PROGRAM
FY-2002/2003 PROPOSED SCOPE-OF-WORK for:
ISMP - Utah**

Project No.: 22c

Lead Agency: U.S. Fish and Wildlife Service
Submitted by: Project Manager: Matthew Andersen

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Date: April 19, 2001
Revised: November 26, 2001

Category:

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

Expected Funding Source:

- Annual funds
 Capital funds
 Other (explain)

- I. Title of Proposal: **Interagency Standardized Monitoring - Utah (ongoing)**
- II. Relationship to RIPRAP:
General Recovery Program Support Action Plan
- V. Monitoring populations and habitat and conduct research to support recovery actions (research, monitoring, and data management)
- V.A. Measure and document population and habitat parameters to determine status and biological response to recovery actions.

V.A.1. Conduct standardized monitoring for YOY Colorado pikeminnow.

III. Study Background/Rationale and Hypotheses:

See ISMP handbook.

IV. Goals, Objectives, End Product:

Measure the response of Colorado pikeminnow to recovery actions in the Green River.

Objectives

- 1) Develop annual indices of the relative abundance of YOY Colorado pikeminnow.
- 2) Determine trend(s) in these indices.
- 3) Determine relationships between these indices and streamflow, water temperature, abundance of sympatric fishes, and physical characteristics of backwaters.

Since 1988, ISMP efforts have been directed at collecting trend data. An overall objective for FY2002 and subsequent years is to maintain the collection of this trend data on an annual basis. Continued ISMP efforts would also allow for relating this data to the population estimates of adult Colorado pikeminnow in the middle and lower Green River.

V. Study area:

Four reaches on the Green and Colorado rivers will be designated and standardized based on the eight standard reaches used in previous years. These reaches will overlay those being used for Colorado pikeminnow population estimates in the middle and lower Green River. Two additional "elective" reaches, of 8 to 18 river miles, will be surveyed each year, the location to be rotated every three to four years.

VI. Study Methods/Approach: See the revised ISMP handbook.

VII. Task Description and Schedule (FY-2002):

- Task 1: Baseline ISMP efforts (current sampling protocols) - Field work will be conducted using current ISMP handbook guidelines on monitoring young-of-year Colorado pikeminnow on the Colorado, Green and White rivers. Field work will be conducted in fall for YOY (September-October). Preserved YOY fishes will be identified, catalogued and stored at the Larval Fish Lab in Ft. Collins, Colorado. Data will be entered on the computer and transferred to USFWS by January 15,

2003. A report summarizing this data will be completed before the winter Colorado River researchers meeting.

VIII. FY-2002/2003 Work

Deliverables/Due Dates:

See Above
RIP Annual Report due December 2002.

Budget Estimate:

Task 1

Labor -	
4 Biologists (8 days)	8,100
9 Technicians (9 days)	9,300
2 Project Leaders (2 days)	<u>525</u>
	17,925
Travel -	
Mileage	3,000
Food	850
Gas (boats)	<u>600</u>
	4,450
Equipment -	2,400
Other -	<u>1,200</u>
Total -	\$25,975

FY-2003 Work

Deliverables/Due Dates:

See Above
RIP Annual Report due December 2003.

Budget Estimate:

Task 1

Labor -	
4 Biologists (8 days)	8,500
9 Technicians (9 days)	9,768
2 Project Leaders (2 days)	<u>550</u>
	18,818

Travel -	
Mileage	3,150
Food	890
Gas (boats)	<u>630</u>
	4,670
Equipment -	2,520
Other -	<u>1,260</u>
Total -	\$27,268

IX. Budget Summary

FY-2002 \$25,975

FY-2003 \$27,268

X. References

USFWS. 1987. Interagency Standardized Monitoring Program Handbook. U.S. Fish and Wildlife Service. Grand Junction, Colorado.