

**COLORADO RIVER RECOVERY PROGRAM
FY-2001 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 21, 2000

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:

Monitoring

III. Study Background/Rationale and Hypotheses:

See ISMP handbook.

IV. Goals, Objectives, End Product:

Post-larval Colorado pikeminnow survey 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.

Late-juvenile/adult Colorado pikeminnow monitoring program objectives:

- 1) Develop annual indices of relative abundance for late-juvenile/adult Colorado pikeminnow and sympatric species.
- 2) Determine trend(s) in the late juvenile/adult Colorado pikeminnow population.
- 3) Determine relationships between these indices and other environmental parameters.

Since 1988, ISMP efforts have been directed at collecting trend data. An overall objective for FY2001 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 from the eight standard reaches used in the past. 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-2001):

Task 1: Baseline ISMP efforts (current sampling protocols) - Field work will be conducted using current ISMP handbook guidelines on monitoring young-of-year, late juvenile, and adult Colorado pikeminnow on the Colorado, Green and White rivers. Field work will be conducted in spring for late juvenile/adults(April- May) and 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, 2002. A report summarizing this data will be completed before the winter Colorado River researchers meeting.

VIII. FY-2001 Work

Deliverables/Due Dates:

See Above
RIP Annual Report due December 2001.

Budget Estimate:

Task 1

Labor -	\$21,500
Travel -	\$ 7,900
Equipment -	\$ 7,100
Other -	<u>\$ 3,500</u>
Total -	\$40,000

FY-2002 Work

Deliverables/Due Dates:

See Above
RIP Annual Report due December 2002.

Budget Estimate:

Task 1

Labor -	\$22,600
Travel -	\$ 8,300
Equipment -	\$ 7,500
Other -	<u>\$ 3,700</u>
Total -	\$42,100

FY-2003 Work

Deliverables/Due Dates:

See Above
RIP Annual Report due December 2003.

Budget Estimate:

Task 1

Labor -	\$23,800
Travel -	\$ 8,700
Equipment -	\$ 7,900
Other -	<u>\$ 3,900</u>
Total -	\$44,300

IX. Budget Summary

FY-2001 \$40,000
FY-2002 \$42,100
FY-2003 \$44,300

X. References

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