

**COLORADO RIVER RECOVERY PROGRAM
FY 2009 PROPOSED SCOPE-OF-WORK for:**

Project No.: New

Site visit to the Duchesne and Yampa Rivers to determine the feasibility of weir placement

Lead Agency: UDWR, CDOW, Ute Tribe F&WD

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Date: March 25, 2009

Category:

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

Expected Funding Sources:

- Annual funds
- Capital funds
- Other (explain)

I. Title of Proposal:

Site visit to the Duchesne and Yampa Rivers to determine the feasibility of weir placement

II. Relationship to RIPRAP:

GENERAL RECOVERY PROGRAM SUPPORT ACTION PLAN

- III.A.2. Identify and implement viable active control measures.
- III.A.2.c. Implement and evaluate the effectiveness of viable active control measures.

III. Study Background/Rationale and Hypotheses:

The Upper Colorado River Endangered Fish Recovery Program has determined that control of nonnative fish in the upper Colorado River basin is essential to the recovery of the four endangered fish species: Colorado pikeminnow, razorback sucker, humpback chub, and bonytail.

The use of a weir has been identified in numerous locations as a means for increasing catch rates of target species. Researchers have used this gear type at Bright Angel Creek to remove brown trout; floating weirs have been used in the Klamath Basin to increase catch rates for an endangered sucker and in Alaska to count salmon and Dolly Varden. Weirs have also been used in the Blackfoot River, Idaho to monitor and count the number of Yellowstone cutthroat trout spawning adults going up river to spawn.

The use of floating weirs within the Duchesne and Yampa Rivers could be an effective tool in the removal of nonnative fish species.

An on-site visit from the consultant that manufactures floating weirs would aid the Program in determining if the Duchesne River and various locations on the Yampa River would be suitable for the evaluation of the effectiveness of a floating weir in aiding in the removal of nonnative fish species.

IV. Study Goals, Objectives, End Product:

Goal: On-site visit from the consultant that manufactures floating weirs to determine the best location for weir placement.

Objectives: Conduct an on-site visit with Doug Demko from the consulting firm FISHBIO in late summer 2009.

End Product: An evaluation of the feasibility of using floating weirs at sites in Utah and Colorado.

V. Study Area:

The study area encompasses the Duchesne River and various locations on the Yampa River.

VI. Study Methods/Approach:

We will request an on-site visit from Doug Demko from FISHBIO in late summer 2009. He will visit the Duchesne River and various locations on the Yampa River to determine if the use of a weir is feasible and if so, what locations would be best suited for weir placement.

VII. Task Description and Schedule:

Task 1. Schedule site visit through FISHBIO

Task 2. Accompany Mr. Demko on his site visits to the Duchesne and Yampa Rivers

Task 3. Present the results of the site visits in a summary report format to the Biology Committee for their review and evaluation. Along with the optimum site location for the floating weir, this report will also contain a detailed summary of the expected costs associated with the operation of the weir as well as any permitting issues that may arise with the placement of this structure.

VIII. FY 2009 Work:

Deliverables/Due Dates

February 2009. A proposed scope of work will be available for the Biology Committee meeting.

Budget:

Site visit prep

	Work Days	Cost
Preparation Doug Demko (\$125/hr + 2%admin)	2	\$2,040.00
Total		\$2,040.00

Site Visit

	Work Days	Cost
Site visit Doug Demko (\$125/hr + 2%admin)	5	\$6,375.00
Total		\$6,375.00

Summary and Planning Report

	Work Days	Cost
Summary and Planning report Doug Demko (\$125/hr + 2%admin)	40 hrs	\$5,100.00
Total		\$5,100.00

Expenses

	Cost
Flight, hotel, rental car, per diem	\$1,500.00
Total	\$1,500.00

IX. Program Budget Summary

FY 2009	\$15,015.00
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X. Reviewers

XI. References: