

I. Project Title: **Wahweap Operation and Maintenance - Utah**

II. Principal Investigator(s):

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III. Project Summary:

Wahweap State Fish Hatchery, located at Big Water, UT rears bonytail for stocking in the Upper Basin system for Utah and Colorado. Wahweap also maintains the Upper Basin's backup razorback sucker broodstock.

IV. Study Schedule:

On going

V. Relationship to RIPRAP:

General Recovery Program Support Action Plan

IV Manage genetic integrity and augment or restore populations
IV.C. Operate and maintain facilities
IV.C.3 Wahweap

VI. Accomplishment of FY 2005 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

Wahweap Hatchery staff assisted the Recovery Program in staffing their information booth at the Colorado River Water Users Association annual meeting and the Utah Water Users meeting. Staff provided live bonytail for display and cared for them for the duration of the meetings.

Wahweap Hatchery stocked 10,574 bonytail* in 2005. These fish were stocked as follows:

574 bonytail from 1996 were stocked into Stewart Lake.

3,400 pit tagged bonytail stocked in Green River at Rainbow Park Boat Ramp*
 3,100 pit tagged bonytail stocked in Green River at Green River State Park*
 3,500 pit tagged bonytail stocked at Cisco boat ramp on the Colorado River*

*Fish ranged from 175-360mm. All two-year-old fish spawned to some extent in the hatchery ponds this year.

Fish stocked from Wahweap, enumerated above, were tagged in 2005. The fish that were stocked for the Utah Stocking plan (10,000 fish) were pit tagged according to the Plan and both old and new tags were used to get rid of the last of the old tags.

The fish stocked at Stewart Lake had been tagged in 2000 when it was thought that they might be used as a brood source. The program had questioned if these fish were of quality for brood source and it was decided that they didn't meet the requirements but were good enough to stock since the lots that they came from had been stocked in the late 1990's.

Wahweap received and reared 20,000 bonytail fry from Dexter National Fish Hatchery. Weekly growth of fish was monitored by capturing fish from the ponds using a combination of minnow traps, seining, and cast netting.

Wahweap also used 60 bonytail that were spawned in the ponds for disease inspection. Wahweap remains disease free and thus we continue to be able to stock fish in Utah.

Wahweap destroyed 25,000 bonytail chub in 2005 because they were wild spawned and exact parentage wasn't known. These fish were 20-100mm and in very good shape when they were destroyed. This was done according to the excess fish policy and BC knowledge. All other losses were due to day-to-day hatchery work.

Colorado River fish remaining on the station in the fall of 2005:

Species	Year class	Number	Size	# Ponds
Bonytail	2003	9,000	200mm+	4
Bonytail	2004	5,000	140mm+	3
Bonytail	2005	18,000	50mm+	3
Razorback	Brood	947	Adult	2

VII. Recommendations:

Continue rearing bonytail at Wahweap to meet the stocking needs of the Integrated Stocking Plan (nesler et al. 2003). Maintain razorback backup brood stock. Supply either species as requested by the Biology Committee. PIT tag 10,000 bonytail and stock in the fall of 2006.

VIII. Project Status:

On going fish culture

IX. FY 2005 Budget Status

A.	Funds Provided:	\$261,278
B.	Funds Expended:	\$261,278
C.	Difference:	\$ 0
D.	Percent of the FY 2005 work completed:	100%

E. Recovery Program funds spent for publication charges: \$ 0

X. Status of Data Submission (where applicable): PIT tag data submitted to database manager by January 1, 2006

XI. Signed: Quentin A. Bradwisch

Principal Investigator

Date 11/01/05