

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 Colorado River in 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.A. Genetic management
- IV.A.4. Secure and manage genetic stocks in refugia
- IV.A.4.a Razorback sucker
- IV.A.4 Develop basin wide bonytail restoration plan and implement as approved
- IV.C. Operate and maintain facilities

VI. Accomplishment of FY 2004 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

Wahweap Hatchery stocked 10,100 bonytail¹ in 2004. These fish were as follows:

¹ Fish ranged from 175-250mm. All two year old fish spawned to some extent in the hatchery ponds this year.

- 400 untagged bonytail given to Arizona Game and Fish, Flagstaff, for tapeworm studies.
- 3,500 pit tagged bonytail stocked in the Green River at Rainbow Park Boat Ramp.
- 3,100 pit tagged bonytail stocked in the Green River at Green River State Park.
- 3,100 pit tagged bonytail stocked at the Cisco boat ramp on the Colorado River.

All fish stocked from Wahweap, enumerated above, were tagged in 2004. Fish stocked for the Utah Stocking Plan (9,700 fish) were pit tagged as outlined in the Plan.

Wahweap received and reared 15,000 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 destroyed 15,000 wild-spawned bonytail chub in 2004 because exact parentage was unknown. These fish were 20-100mm and in good shape when they were destroyed. This was done according to the excess fish policy, with Biology Committee knowledge.

Colorado River fish remaining on station in the fall of 2003:

Species	Year class	Number	Size	# Ponds
Bonytail	2002	20,000	120 mm+	4
Bonytail	2003	6,000	100 mm+	2
Bonytail	Brood	600	250+ mm	2
Razorback	Brood	947	Adult	2

All other fish losses during the year were due to moving, tagging, or lethal sampling for fish health inspection.

VII. Recommendations:

Continue rearing bonytail at Wahweap to meet Utah's stocking needs. Maintain razorback backup brood stock. Supply either species as requested by the Biology Committee. Pit tag 9,000 bonytail and stock in the fall.

VIII. Project Status:

On going fish culture.

IX. FY 2004 Budget Status

A.	Funds Provided:	\$246,489
B.	Funds Expended:	\$246,489
C.	Difference:	\$ 0
D.	Percent of the FY 2003 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, 2005

XI. Signed: Quentin A. Bradwisch

Principal Investigator

Date 11/0/04