

I. Project Title: Wahweap Operation and Maintenance

II. Principal Investigator(s):

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III. Project Summary:

Wahweap State Fish Hatchery, located at Big Water, Utah rears bonytail for stocking in the Upper Colorado River Basin for the Upper Colorado River Recovery Program. Wahweap also maintains a refuge population of razorback sucker brood stock for the Upper Colorado River Recovery Program.

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 2010 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

- Wahweap Hatchery staff assisted the Recovery Program in staffing the information booth at the Colorado River Water Users Association annual meeting and the Utah Water Users meeting. Staff provided live bonytail for the display and took care of them for the duration of the meetings.
- Wahweap Hatchery personnel assisted the Bureau of Reclamation and National Park Service with Native Fish Aquarium display at the Carl Haden Visitor Center at the Glen Canyon Dam. This tank displays razorback sucker and bonytail chub.

- Wahweap Hatchery personnel assisted Chris Wilson in teaching a Health Condition Profile (HCP) class to the participating parties of the Upper Colorado Recovery Program. Wahweap also provided 8 BT for necropsies during the HCP class.
- Wahweap Hatchery stocked or is in the process of stocking 6,780 bonytail during the fall of 2010. These fish were as follows:
 1. 0 pit tagged bonytail stocked in Green River at Jensen, UT*
 2. 5,347 pit tagged bonytail stocked in Green River at Green River State Park*
 3. 1,433 pit tagged bonytail stocked at Cisco boat ramp on the Colorado River*

*Fish ranged from 180 – 262 mm, with an average of 206.00 mm. No natural reproduction was observed in ponds this year due to age.
- Fish stocked from Wahweap, enumerated above, were tagged in 2010. The fish that were stocked for the Utah Stocking Plan (6,780 fish) were pit tagged according to the Plan.
- Wahweap received and reared 30,000 bonytail fry from Dexter National Fish Hatchery. Fry were held inside until pond temperatures were adequate in ponds. After entering ponds weekly growth was monitored by capturing fish from the ponds and using a combination of minnow traps, seining, and cast net.
- Wahweap used 60 bonytail from the ponds for the fish disease inspection. Wahweap passed and remains disease free and able to stockfish in Utah. The Utah fish health approval number is DWR10-079.
- Wahweap was also required to retest Bonytail YOY 2010 (51 individual) that were received from Dexter. This was to insure the fish received were not carrying the Large Mouth Bass Virus that was recently found at the Dexter National Fish Hatchery.

Colorado River fish remaining on the station in the fall of 2010:

<u>Species</u>	<u>Year class</u>	<u>Number</u>	<u>Size</u>	<u># Ponds</u>
Bonytail	2008 & 2009	65	200mm+	1
Bonytail	2009	28,517	172mm+	9
Bonytail YOY 2010		29,877	81mm+	3
Razorback	Brood	418	471mm	2

VII. Recommendations:

Continue rearing bonytail at Wahweap to meet the stocking needs of the Recovery Program. Maintain razorback backup brood stock. Supply either species as requested by the Recovery Program. We would like to make up the numbers not stocked this year in 2011. Pit tag bonytail and stock in the fall.

VIII. Project Status:
On going fish culture and propagation at the Wahweap Hatchery.

IX. FY 2010 Budget Status

A.	Funds Provided:	\$200,000
B.	Funds Expended:	\$200,000
C.	Difference:	\$ 0
D.	Percent of the FY 2010 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, 2010

XI. Signed: Zane Olsen, Principal Investigator Date 10/19/10