

**COLORADO RIVER RECOVERY PROGRAM  
FY 2013 ANNUAL PROJECT REPORT**

**RECOVERY PROGRAM  
PROJECT NUMBER: 29d**

**I. Project Title:** J. W. Mumma Native Aquatic Species Restoration Facility  
Operation and Maintenance - Colorado

**II. Bureau of Reclamation Agreement Number(s):** 08-FG-40-2747

**Project/Grant Period:** Start date (Mo/Day/Yr): 10/01/2007  
End date: (Mo/Day/Yr): 09/30/2013  
Reporting period end date: 09/30/2013  
Is this the final report? Yes \_\_\_\_\_ No X

**III. Principal Investigator(s):**

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**IV. Abstract:**

The J. W. Mumma Native Aquatic Species Restoration Facility (Mumma), located in Alamosa, Colorado, was constructed in the year 2000 to facilitate the conservation of rare aquatic native species through captive propagation, genetic conservation, scientific research and public education. Currently there are 11 fish species and one amphibian species housed on the unit. Many are State Threatened, Endangered or Species at Risk and one, the Bonytail chub (BYT), is federally listed as Endangered and given full protection under the Endangered Species Act since 1980. Mumma currently produces BYT in numbers and sizes sufficient to meet the annual stocking plan of the Upper Colorado River Recovery Program (UCRRP) for BYT in the Upper Basin of the Colorado River drainage.

**V. Study Schedule:**

Initial Year: 2002  
Final Year: 2017

**VI. 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.4. Mumma

Green River Action Plan: Yampa and Little Snake Rivers:

IV.A. Yampa River in Dinosaur National Monument

IV.A.1. Augment or restore populations as needed.

IV.A.1.a. Develop State stocking plan for Bonytail in the Yampa River

IV.A.1.a. (1) Implement stocking plan.

Colorado River: Main stem:

IV.A.5. Develop State stocking plan for Bonytail in the Colorado River from Palisade to Loma.

IV.A.5.b. Implement Bonytail State stocking plan.

**VII. Accomplishment of FY 2013 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:**

- A grand total of **5,400 BYT** were successfully stocked by Mumma FY 2013.
- **On August 13, 2013**, Mumma stocked 2,934 BYT into the Colorado River #2 at Debeque Canyon. The fish averaged 304.7996 mm Total Length (TL) and were stocked in the backwater near the West bound truck pull off. Discharge was 2,220 cubic feet per second (cfs), measured at the Glenwood Springs gauge.
- **On September 19, 2013** Mumma stocked 2,466 BYT into the Green River at Echo Park. The fish averaged 322.8475 mm TL. They were stocked into an oxbow approximately 100 meter long and connected to the main channel. Discharge was 2,290 cfs at the Jensen, UT gauge.
- The receiving water temperature for both fish plants was 18.3 degrees Celsius. Hatchery rearing water temperature prior to stocking was between 17.7 and 18.3 degrees Celsius. All fish were flow trained in two 20 ft. diameter circular tanks for approximately 3 weeks prior to stocking. All fish received anti-Platyhelminthes treatments prior to stocking.
- **On November 28, 2012** Mumma imported 15,991 BYT, averaging 96 mm TL and 7.42 grams per fish from the Wahweap SFH in Utah. These fish were stocked into 4 of Mumma's smaller 0.03 surface acre lined-impoundments.
- Mumma has made 8 impoundments (four 0.10 surface acre lined-ponds and four 0.03 surface acre lined-ponds) available to the recovery of this specie as specified in the **FY2013 Proposed Scope of Work**.

• **Fish stocked** from Mumma as of September 19, 2013

<u>Species</u>	<u>YC</u>	<u>Fish No.</u>	<u>Fish/lb.</u>	<u>Date Stocked</u>	<u>Destination</u>
BYT	2010	2,934	1.956/lb.	08/13/2013	Colorado River#2
BYT	2010	<u>2,466</u>	1.872/lb.	09/19/2013	Green River

**5,400 Total BYT stocked for calendar year 2013**

• **Fish remaining** on unit as of November 1, 2013

<u>Species</u>	<u>Year Class</u>	<u>Fish No.</u>	<u>Impoundment</u>
BYT	2008	120	POND 3
BYT	2010	6,500	POND 1
BYT	2010	5,000	POND 2
BYT	2010	1,609	POND 3

