

**COLORADO RIVER RECOVERY PROGRAM
FY 2006 ANNUAL PROJECT REPORT**

**RECOVERY PROGRAM
PROJECT NUMBER: 29d**

I. Project Title: **J.W. Mumma NASRF Operation and Maintenance – Colorado.**

II. Principal Investigator(s):

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III. Project Summary:

The J. W. Mumma Native Aquatic Species Restoration Facility (NASRF), located at Alamosa, Colorado currently is rearing bonytail (BYT) for stocking in the Upper Basin system of the Colorado River. In the past we have also produced Colorado Pikeminnow (CPM) for the San Juan, the Gunnison and the Colorado Rivers. However, for 2006 the Colorado stocking schedule for CPM was reduced to zero pending further evaluation of the stocking program by the recovery team. The remaining CPM at NASRF from the 2004 year class was stocked into the San Juan this summer and NASRF did not order CPM fry from Dexter NM in 2006.

IV. Study Schedule: On going

V. Relationship to RIPRAP:

General Recovery Program Support Action Plan

IV.C. Operate and maintain facilities

IV.C.4. Mumma

Green River Action Plan: Mainstem

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

Green River Action Plan: Yampa and Little Snake Rivers

IV.A.1.a.(1) Implement (integrated) stocking plan (for bonytail)

Colorado River Action Plan: Mainstem

IV.A.5.b. Implement bonytail integrated plan

VI. Accomplishment of FY 2006 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

The Native Aquatic Species Restoration Facility (NASRF) received approximately 10,000 bonytail (BYT) fry on 5/06/06 from Dexter NM but did not receive any BYT fry from Dexter in 2005. There was adequate survival from the 2003 and 2004 year classes to cover the 2005 stocking schedule and most of the 2006 schedule. Currently on inventory at NASRF are approximately 300 BYT (6/lb) from the 2003 year class and approximately 4,000 BYT (12/lb) from year class 2004. We attempted to over-winter approximately 6,000 BYT (7/lb) from year class 2004 at the Trinidad State Junior College (TSJC) ponds near Hooper in 2005—2006. Bird predation was substantial and only 2271 BYT from the TSJC ponds were harvested and stocked into Colorado River # 1 in 2006. We will not attempt to over-winter fish at the TSJC ponds again. The BYT at NASRF were sorted to size and 1,598 were stocked into the Green River, bringing the total BYT stocked in 2006 to 3,869.

There were no apparent diseases problems at the TSJC ponds or at NASRF in 2005 or 2006. The efforts to exclude tilapia from the TSJC ponds worked again this year. Tilapia appeared to have been the primary vectors of pathogens in 2003. The problem this year was bird predation on the fish over-wintered at the TSJC ponds.

NASRF received 10,000 Colorado Pikeminnow (CPM) fry from Dexter NM on 6/03/04. We did not receive any CPM fry from Dexter in 2005 or 2006. There was adequate survival from the 2003 and 2004 year classes to cover the 2005 stocking schedule. Because there was no request for CPM from Colorado in 2006, the 7508 CPM remaining on station this year were stocked into the San Juan drainage. NASRF currently has only a few CPM on station for display purposes.

Fish losses at NASRF and TSJC during the year were due to moving, lethal sampling for fish health inspection, and predation. NASRF is scheduled to have 20 small ponds constructed on site this fall. A portion of these new ponds will be used for BYT production and should eliminate the need to lease the TSJC ponds near Hooper beyond 2008. The DOW currently has a two year lease agreement with TSJC expiring in 2008. After the lease expires with TSJC, the DOW will not likely renew the agreement; we anticipate that the total production for BYT and any request for CPM will be met at NASRF.

Fish stocked from NASRF and TSJC as of September 30, 2006:

Species	Year class	Year class	Total
	2003	2004	
BYT	717	3152	3869
CPM	278	7230	7508

Fish remaining on the station as of Sept. 30, 2006:

Species	Year class	Number	Size	# Ponds/Tanks
Bonytail	2006	10,000	259/lb	Pond 1 at NASRF
Bonytail	2004	4,000	12/lb	Pond 4 at NASRF
Razorback	2001	10	0.6/lb	Ponds 4 at NASRF
Razorback	2001	5	0.6/lb	Ponds # 3 at TSJC

VII. Recommendations:

Continue culturing bonytail at NASRF to meet the stocking needs of Colorado. PIT tag bonytail for spring and fall stocking.

VIII. Project Status: On going fish culture.

IX. FY 2005 Budget Status

We were scheduled to receive approximately \$ 73,000 from the BOR and finally some of the fiscal tracking obstacles have been identified so we are now able to utilize some of the monies. The following list will reflect estimated expenditures for 2005–2006. Because we now have only two of our original six FTE positions filled, I do not have the time to glean the records for more accurate numbers.

Feed	3,753.56
Equipment maintenance and repair	6,552.26
Travel/Training/Phone	965.07
Stocking-vehicle use/maintenance	7,232.42
Utilities	13,875.42
Building/Grounds	3,042.23
Discharge chlorine	3,960.00
TSJC lease	19,100.00
TSJC pond improvements	422.48
Miscellaneous equipment/rental	1,521.07
Labor	<u>52,800.00</u>
Total	113,224.51

A. Funds Provided: \$73,500

