

I. Project Title: **Operation and Maintenance of J.W. Mumma Native Aquatic Species Restoration Facility, 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 bonytails for stocking in the Upper Basin system for Colorado and Colorado Pikeminnow for the San Juan drainage.

IV. Study Schedule: On going

V. Relationship to RIPRAP:

General Recovery Program Support Action Plan

IV.B. Conduct annual fish propagation activities

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.a. Develop State stocking plan for bonytail in the Yampa River

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

Colorado River Action Plan: Mainstem

IV.A.2.b.(2) Implement Colorado pikeminnow State stocking plan

IV.A.2.c.(2) Implement bonytail State stocking plan

Colorado River Action Plan: Gunnison River

IV.A.2.b. Implement Colorado pikeminnow State stocking plan

VI. Accomplishment of FY 2002 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

NASRF received 40,000 bonytail fry from Dexter NM on 5/02/02. Survival was good, ammonia was not a problem this year and we currently have approximately 38,225 bonytail weighing 345/lb. They are smaller this year because we were not able to move them into ponds early in the year. Improvements needed to be completed at Trinity State Junior College (TSJC) before moving the 2001 year class out, freeing-up pond space at NASRF for the 2002 year class. Most of the 2002 fish are now in ponds and they should grow over-winter.

NASRF received 5,000 Colorado pikeminnow fry from Dexter, NM on 6/04/02. Survival was “very” good and we currently have 7,315 weighing 500/lb. These fish are also small because pond space was not available early in the year. Most of these fish are now in ponds and should grow over-winter.

Improvements at TSJC have now been completed, relieving the bottleneck on pond space for bonytail and pikeminnow.

NASRF stocked 19,445 razorback sucker fingerlings (399.53/lb) into recovery ponds near Grand Junction on 10/18/2001.

NASRF stocked 16,614 razorback sucker fingerlings (76.28/lb) into recovery ponds near Farmington New Mexico on 4/22/02.

NASRF also PIT tagged 8,464 bonytail in September for an October river stocking.

Fish remaining on the station as of Sept. 30, 2002:

Species	Year class	Number	Size	# Ponds/Tanks
Pikeminnow	2002	7,315	500/lb	Pond and tanks at NASRF
Bonytail	2002	38,225	345/lb	Ponds and Tanks at NASRF
Bonytail	2001	31,426	5.2/lb	Ponds at NASRF and TSJC
Razorback	2001	1,000	6.9/lb	Tanks at NASRF

Fish losses during the year were due to moving, lethal sampling for fish health inspection, and predation. When possible, dead fish were preserved in ethanol for possible genetic work.

VII. Recommendations:

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

VIII. Project Status: On tract and ongoing.

IX. FY 2002 Budget Status

A. Funds Provided:	\$ 50,000
B. Funds Expended:	\$ 50,000
C. Difference:	\$ 0
D. Percent of the FY 2002 work completed:	100%
E. Recovery Program Funds spent for publication charges:	\$ 0

The following list will reflect expenditures:

Feed	\$ 400
Equipment maintenance and repair	\$ 400
Travel	\$ 1,500
Stocking-vehicle use/maintenance	\$ 6,200
Utilities	\$ 2,240
Discharge chlorine	\$ 850
TSJC lease	\$18,500
TSJC pond improvements	\$12,190
NASRF pond improvements	\$ 1,440
Miscellaneous equipment	\$ 950
<u>Labor*</u>	<u>\$ 6,330</u>
Total	\$50,000

*Volunteer labor: 206 hours for PIT tagging and 10 hours per month or 120 hours per year general labor on bonytail, Colorado pikeminnow, and razorback sucker.

Approximately \$ 30,000 of the total expenses were one-time expenditures.

X. Status of Data Submission: PIT-tag data is to be submitted to data manager by January 31, 2003

XI. Signed: K. David Schnoor 18 December, 2003
Principal Investigator Date