

ANNUAL PERFORMANCE REPORT

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STATE: UTAH

Recd:

GRANT NO. F-84-M

Cert:

GRANT TITLE: Fish Hatchery Operation & Maintenance (Glenwood, Mantua, Egan, Administration, Fountain Green, Kamas, Loa, Mammoth Creek, Midway and Whig

SEGMENT NO. 18

PROGRESS REPORT (July 1, 2008 - June 30, 2009)

Objective: To operate and maintain the Glenwood, Mantua, Egan, Fountain Green, Kamas, Loa, Mammoth Creek, Midway Whiterocks hatcheries providing for the restoration of sportfish in waters statewide as shown in the attached stocking history for 2008-2009.

Project No. 2: Glenwood Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Glenwood stocked 1,370,845 trout weighing 126,198 pounds during the segment. Spring flows decreased to an average annual flow of 6.7 cfs in 2008, and continue the downward trend of the last 3 years. Glenwood operated the Manning Meadow wild trap for collection of southern Bonneville cutthroat and took 523,776 green eggs. Percent hatch of the green eggs was 79.1%. These eggs will be raised in the hatchery system then stocked back into the drainage in October 2009.

Building and facilities maintenance continued during the last segment. All equipment and facility maintenance was tracked and an annual inspection of all facilities was completed the by Division of Construction and Management. The South Spring development was completed during this period.

The staff size remained at four permanent personnel.

Project No. 3: Mantua Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Mantua stocked 638,554 trout weighing 79,384 pounds during the segment. Mantua produced 2,879,973 green eggs and shipped 1,709,887 eyed eggs from the Bear Lake cutthroat brood to Utah Division of Wildlife Resources hatcheries. Personnel from the hatchery also operated the wild spawning trap at Bear Lake which produced 398,072 eyed eggs from the trap that were shipped to Midway hatchery and the Fisheries Experiment Station. Spring average flows decreased in 2008 to 6.8 c.f.s.

Building and facilities maintenance continued during the last segment. All equipment and facility maintenance was tracked and an annual inspection of the facility was completed the by Division of Construction and Management. Hatchery building was re-roofed, and the building was water sealed.

Mantua's staff remained at three permanent personnel.

Project No. 4: Egan Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Egan produced and stocked a total of 243,627 fish weighing 64,847 pounds during the segment. It also produced 27,971,006 green eggs and shipped 11,945,989 eyed eggs to Division hatcheries, out-of-state hatcheries and federal hatcheries nationwide during the

segment. Egan continued to refine production process of triploid rainbow and brook eggs using heat and pressure methods of inducing triploidy.

Building and facilities maintenance continued during the last segment. All equipment and facility maintenance was tracked and an annual inspection of all facilities was completed the by Division of Construction and Management. All blacktop was repaired and seal coated.

Egan's staff remained at six permanent personnel.

Project No. 5: Administration, Coordination, and Fish Distribution for the State Fish Hatcheries in Utah

Results: Administration and coordination was provided for the production and stocking of the number and types of fish laid out in the grant agreement.

Locations:

Glenwood Hatchery:	Vicinity of Glenwood (town), Sevier County
Mantua Hatchery:	Vicinity of Mantua (town), Box Elder County
Egan Hatchery:	Vicinity of Bicknell (town), Wayne County
Fountain Green Hatchery:	Vicinity of Fountain Green (town), Sanpete County
Kamas Hatchery:	Vicinity of Kamas (town), Summit County
Loa Hatchery:	Vicinity of Fremont (town), Wayne County
Mammoth Creek Hatchery:	Vicinity of Hatch (town), Garfield County
Midway Hatchery:	Vicinity of Midway (town), Wasatch County
Whiterocks Hatchery	Vicinity of Whiterocks (town), Duchesne County

Project No. 6: Fountain Green Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Fountain Green produced and stocked 1,473,893 fish weighing 180,425 pounds during the segment. Average water flows decreased at the hatchery during 2008 to 6.6 c.f.s..

Building and facilities maintenance continued during the last segment. Equipment and facility maintenance was tracked and an annual inspection was completed by the Division of Construction and Management.

Fountain Green's staff remained at four permanent personnel.

Project No. 7: Kamas Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Kamas produced and stocked 766,132 fish weighing 132,212 pounds during the segment. Average water flows at Kamas increased to 4.65 c.f.s. during the segment.

Building and facilities maintenance continued during the last segment. Equipment and facility maintenance was tracked and an annual inspection was completed the by Division of Construction and Management. All blacktop was repaired and sealed.

Kamas's staff remained at four permanent personnel.

Project No. 8: Loa Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Loa produced and stocked 541,138 fish weighing 141,487 pounds during the segment. All but 17 waters stocked by Loa prior to finding NZMS in the water supply have been checked with no mud snail infestations reported.

Loa's staff remained at three permanent personnel.

Project No. 9: Mammoth Creek Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Mammoth Creek produced and stocked 287,890 fish weighing 58,393 pounds during the segment.

The Division of Construction and Management completed an annual inspection of equipment and facilities maintenance. Average water flows were 3.3 c.f.s. during the segment which is slightly up.

Mammoth Creek's staff remained at three permanent employees.

Project No. 10: Whiterocks Hatchery

Results: The objectives outlined in the 2008-2009 Grant Agreement for this project were met. Whiterocks produced and stocked 1,252,511 fish weighing 108,897 pounds during the segment. Average spring flow increased to 5.45 c.f.s. for 2008.

Whiterock's staff remained at four permanent employees.

Costs: Actual expenditures on the projects totaled \$4,324,921.55. The breakdown for each project is as follows:

<u>Project No.</u>	<u>Hatchery</u>	<u>Actual Amount Expended</u>
2	Glenwood	\$427,249.47
3	Mantua	\$430,418.74
4	Egan	\$570,270.61
5	Administration	\$257,353.03
6	Fountain Green	\$488,754.23
7	Kamas	\$491,937.96
8	Loa	\$309,941.31
9	Mammoth Creek	\$338,578.83
10	Midway	\$575,317.24
11	Whiterocks	\$435,100.13
	TOTAL	\$4,324,921.55

Total cost of \$4,324,921.55 includes state share of \$2,273,742.29 (cost over-run of \$1,590,015.87) and total federal share of \$2,051,179.26