

END OF YEAR PROJECT REPORT/JOB PROGRESS REPORT
FY 92: JULY 1, 1991 - JUNE 30, 1992

Division Fisheries Region 3 SBAS Project Number 3322

Project Title Southwestern Montana Major Reservoirs

Federal Aid Project Number F-46-R-5 (Job #II-d)(if Federal Aid Project)

Date Project Started 07/01/91 Ending Date 06/30/92 (or indicate if ongoing)

- A. List work scheduled to have been completed for this project (include performance standards from your FY 92 workplan). Write either "completed", "not completed", or "partially completed" beside each item listed to indicate work actually done last FY.

List tasks from workplan:

Clark Canyon Reservoir Objectives

1. Maintain shoreline in a state of minimal development to satisfy access needs of recreationists and maintain shoreline integrity and water quality. **COMPLETED.**
2. Maintain wild brown trout populations at intensities reflected by an average sample of >2.0 adult brown trout per surface 125 foot gill net set. **COMPLETED.**
3. Maintain successful stocking program of Arlee rainbow trout to attain densities reflected by an average spring sample of 4.0 per 125 foot gill net set. Maintain growth rates that produce 15 inch rainbow trout at age I+. **NOT COMPLETED.**
4. Establish wild, spring spawning DeSmet strain of rainbow trout to augment the planting program of Arlee rainbow and provide a longer lived, reproducing segment to the rainbow fishery. **COMPLETED.**
5. Evaluate the comparative success of the DeSmet and Arlee strains of rainbow regarding catchability, longevity, survival, growth and recruitment to the Clark Canyon fishery. **COMPLETED.**
6. Maintain fishery for large (20-25") wild burbot sustaining a catch rate of 0.25 fish/hr. **COMPLETED.**

Hebgen Reservoir Objectives

1. Maintain a shoreline in a state of minimal development while providing sufficient access for anglers. Protect spawning streams from impacts of development. **COMPLETED.**
2. Establish wild, self-sustaining rainbow trout population at densities reflected in a sample of >10 adults per 125 foot surface

gill net set in spring of year. **COMPLETED.**

3. Maintain wild brown trout populations at densities reflected in a sample of >18 adults per 125 foot bottom gill net set in spring of year. Maintain averages of 16" in creel with opportunity of catching large, trophy brown trout (>3 lbs). **COMPLETED.**

4. Collect the information necessary to accurately assess fishing pressure, catch rates, and harvest. **COMPLETED.**

5. Provide rainbow and cutthroat to anglers without jeopardizing the establishment of self-sustaining populations. **COMPLETED.**

Willow Creek Reservoir Objectives

1. Attempt to reduce magnitude of reservoir drawdown in fall of year. **COMPLETED.**

2. Determine time of out-migration of rainbow trout fry from spawning streams. **COMPLETED.**

3. Maintain a spawning run of at least 2500 adult wild rainbow trout in Willow Creek as the sate brood stock of DeSmet rainbow. **COMPLETED.**

B. Describe any variance between work scheduled and work completed and explain (i.e., problems incurred and resulting impacts to attainment of project objectives):

Objective 3. Clark Canyon Reservoir. The stocking of the Arlee strain of rainbow trout was discontinued in order to stress establishment of a wild rainbow trout fishery.

C. Discuss impact(s) of project variance to DFWP programs (as related to objectives stated in the strategic plan, species plans, river plans or other long range documents). Also discuss any significant accomplishments of this project (state in terms of outputs produced if possible, i.e., recreation days, etc.)

The use of the wild strains of rainbow trout in Clark Canyon Reservoir should provide a more stable and in the long run a more cost effective rainbow trout fishing than the use of the Arlee strain of rainbow trout.

D. FINAL BUDGET STATUS (TOTAL cost of project...personal services, operations and other). Note any differences between SBAS end-of-fiscal year figures and individual records kept by the region.

Variance:
(If project spending was
as scheduled, put "on

<u>Project Number</u>	<u>Amount Budgeted</u>	<u>Amount Spent</u>	<u>Balance of Funds</u>	<u>schedule". If spending was at variance with planned costs, describe.)</u>
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TOTALS	<u>\$70,965</u>	<u>\$71,338</u>	<u>-\$373.00</u>	On schedule
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E. RECOMMENDED ACTION(S) to improve the effectiveness of this type of work effort in the future.

NONE

Prepared by E. Richard Vincent *E. Richard Vincent* Date 08/27/92

Regional Supervisor K. L. K. M. M. M. Date _____

Comments: _____