

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

Division Fisheries Region 3 SBAS Project Number 3324

Project Title Big Hole River Grayling

Federal Aid Project Number F-46-R-5 (Job #I-k) (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:

1. Make population estimates of fluvial arctic grayling on the McDowell - Wisdom sections during the spring (June) with the objective of maintaining arctic grayling populations of at least 40 II and older grayling per mile (Headwaters of Big Hole to Pintlar Creek). **COMPLETED.**

2. Make a September population estimate of arctic grayling for the entire McDowell - Divide reach of the Big Hole River. **NOT COMPLETED.**

3. Determine spring spawning migration of grayling to winter habitat using tagging and electrofishing survey. **COMPLETED.**

4. Determine the Fall - Winter migration of grayling to winter habitat using fish tags, electrofishing and radio telemetry gear. **COMPLETED.**

5. Capture and spawn 10-15 ripe female grayling to continue to stock in Axolotl lake to establish a wild brood stock of fluvial grayling. **COMPLETED.**

6. Trap and spawn the fluvial arctic grayling established in Axolotl Lake taking eggs and sperm to hatchery for rearing and restocking in the Big Hole River. **COMPLETED.**

7. Mark and evaluate the success of grayling stocked into the Big Hole River from grayling spawned from the Axolotl and hatchery brood of fluvial grayling. **PARTIAL COMPLETED.**

8. Map and inventory grayling habitat using aerial photography, orthoquads, physical and observational measurements. Habitat would include: 1) spawning areas; 2) rearing areas; 3) summer, and 4) wintering areas. **COMPLETED.**

9. Determine thermal suitability using USGS gage at Wisdom and four thermographs placed downstream from Wisdom. **COMPLETED.**

10. Monitor losses of young-of-year grayling to larger irrigation diversions upstream from Wisdom using electrofishing gear. **COMPLETED.**

11. Conduct a hooking mortality study which would monitor losses of angler released grayling held in live cars for a 24 hour period. **PARTIALLY 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):

Objectives 2 was not completed due to time constraints and lack of adequate water flows in Big Hole River.

Objectives 7 and 11 were partial completed because part of the evaluation period spans into FY93.

- 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.)

NONE

- 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.

<u>Project Number</u>	<u>Amount Budgeted</u>	<u>Amount Spent</u>	<u>Balance of Funds</u>	Variance: (If project spending was as scheduled, put "on schedule". If spending was at variance with planned costs, describe.)
TOTALS	<u>\$39,661</u>	<u>\$31,013</u>	<u>+\$8,648</u>	Biologist was begin on 8/22/92, thus less than one year on project.

- E. RECOMMENDED ACTION(S) to improve the effectiveness of this type of work effort in the future.

NONE

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E. Richard Vincent

Date 08/27/92

Regional Supervisor

E. Richard Vincent

Date

Comments: