

MONTANA DEPARTMENT OF FISH, WILDLIFE AND PARKS

FISHERIES DIVISION

JOB PERFORMANCE REPORT

STATE: Montana TITLE: Southwestern Montana Fisheries Study
PROJECT NO: F-9-R-32 TITLE: Inventory and Survey of the Waters
JOB: 1-d of the Jefferson and Madison Drainages
JOB DURATION: July 1, 1983 through June 30, 1984
REPORT PERIOD: April 1, 1983 through March 31, 1984

OBJECTIVES

1. To determine trout populations in sections of the Missouri and Jefferson rivers.
2. To monitor daily flow and summer water temperatures at these study sections.
3. To mitigate or enhance habitat alterations due to agricultural, residential, mining, and industrial development.
4. To monitor fisheries throughout the drainages.

DEGREE OF ATTAINMENT

1. Spring brown trout population estimates were made on the Willow Creek, Three Forks, and Hell's Canyon sections of the Jefferson River. Missouri River work was focused on migrating populations of rainbow and brown trout from Canyon Ferry Reservoir. Data will be presented in a future progress report.
2. Mean daily discharge and water temperature data of the Jefferson and Missouri rivers were collected. Data will be presented in a future progress report.
3. A total of 38 stream alteration projects (Mile High-1, Broadwater-6, and Jefferson Valley-31) were inspected in the Missouri and Jefferson drainages during the project period.
4. Major effort was focused on Canyon Ferry Reservoir during the project period. A partial creel census was conducted throughout 1983 as well as extensive gill netting (55 sets). Data will be presented in a future report.

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DATE: September 28, 1984