

## 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<sup>3</sup> TITLE: Inventory and Survey of the Waters  
of the Jefferson and Madison Drainages

JOB: 1-d

JOB DURATION: July 1, 1984 through June 30, 1985

REPORT PERIOD: April 1, 1984 through March 31, 1985

## 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 Creek sections of the Jefferson River. Missouri River work was focused on migrating populations of rainbow trout from Canyon Ferry Reservoir. Data will be presented in a report by February 28, 1986.
2. Mean daily discharge and water temperature data of the Jefferson and Missouri rivers were collected. Data will be presented in a report by February 28, 1986.
3. A total of 50 stream alteration projects (Mile High-11, Broadwater-11, and Jefferson Valley-28) 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. Angler harvest information was collected during spring and early summer as well as duplicating the gill net sets made in 1983 (55 sets). Data will be presented in a report by February 28, 1986.

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September, 1985