

State: Montana Title: Southwest Montana Fisheries Study
Project No: F-9-R-35 Title: Investigation of the Influence of
Job No.: II-a Clark Canyon Reservoir on the
Fishery of the Beaverhead River

Project Period: July 1, 1986 through June 30, 1987
Report Period: July 1, 1986 through June 30, 1987

OBJECTIVES AND DEGREE OF ATTAINMENT

1. To determine spring and fall trout populations in at least two sections of the Beaverhead River. Spring and fall brown and rainbow trout population estimates were made for the Hildreth and Pipe Organ sections as well as spring brown trout estimates made for the Henneberry section. Data will be presented in a subsequent progress report.
2. To evaluate the effect of flow released on trout populations. Daily flow data were collected at a USGS gage site located near Grant, Montana. This data has been evaluated with brown and rainbow trout population data and will be presented in a subsequent progress report.
3. To evaluate the effect of population density on trout growth. Scale samples were analyzed to age fish from the Hildreth section. The age data was used to determine growth of brown and rainbow trout and compared with density of each species. This data will be presented in a subsequent progress report.

Prepared by: Richard A. Oswald

Date: June 23, 1987