

## MONTANA DEPARTMENT OF FISH, WILDLIFE &amp; PARKS

## FISHERIES DIVISION

## Job Progress Report

State: Montana Title: Southwest Montana Fisheries Study  
Project No.: F-9-R-33 Title: Madison River Temperature Study  
Job No.: IIb

## Job Objectives

1. To determine if higher water temperatures below Ennis Reservoir are having detrimental effects on wild trout populations through changes in age structure, size composition, species composition and growth rates. Wild brown and rainbow trout population estimates were made on the Varney section above Ennis Reservoir for September, 1984. Data will be included in a future progress report. No wild trout population estimate was made on the Norris section downstream from Ennis Reservoir due to insufficient time to electrofish.
2. To obtain wild trout population estimates to include age structure, size composition, species composition and condition factors. Data collected will be presented in future progress report.
3. To gather water temperature data above and below Ennis Reservoir from April through September. Thermographs were run at the Varney and Norris bridge stations (above and below Ennis Reservoir) for the March 1, 1984 through October 31, 1984 period. Data will be included in a future progress report.

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Date: August 13, 1985

Waters Referred to: Madison River 13-3440-01