

JOB COMPLETION REPORT
INVESTIGATIONS PROJECTState of MontanaProject No. F-7-R-7Name Northwest Montana Fishery StudyJob No. ITitle Inventory of Waters of the Project Area

Period Covered: May 1, 1957 to April 30, 1958

Abstract: Forty lakes were surveyed for chemical, physical and biological characteristics. Three lakes were surveyed in preparation for rehabilitation. Aerial photographs were taken of thirteen lakes and work maps were made. Five lakes were checked for fish populations.

Objectives: The purpose of this project is to determine the physical chemical and biological characteristics of the waters of highest importance to the total recreational fisheries picture of the project area, and where practicable to obtain estimates of existing or potential fisherman use.

Techniques Used: Widths, lengths, depths and volumes were taken of lakes surveyed. Samples of fish were taken by gill netting. Inlets to lakes were observed for spawning facilities. Aerial photographs were taken of lakes and work maps constructed.

Findings: The following lakes were sampled for fish population: Lower Stillwater Lake, Upper Stillwater Lake, Lake Five, Skyles Lake and Spencer Lake.

The following lakes were surveyed for rehabilitation: Sophie Lake, Rainbow Lake and Lake Rogers.

Aerial photographs and work maps were made of the following lakes: Lake Rogers, Sophie Lake, Moran Lake, Tetrault Lake, Mud Lake, Halfmoon Lake, Lake Five, Spoon Lake, Bailey Lake, Loon Lake, Horseshoe Lake, Van Lake, and Shay Lake.

The following lakes were surveyed for various physical, biological and chemical characteristics: Moran Basin Lake, St. Paul Lake, Engle Peak Lakes, Little McGregor Lake, Upper Whitefish Lake, Bull Lake, Grouse Lake, Martin Lakes, Island Lake, Vinal Lake, Hoskin Lake, Howard Lake, Bluebird Lake, Therriault Lakes, Little Therriault Lake, Wolverine Lakes (5), Flower Lake, Frozen Lake, Skag Lake, Pierce Lake, Spruce Lakes, Cyclone Lake, Birch Lake, Bootjack Lake, Lost Lake, Weasel Lake, Boyle Lake and Van Lake.

Information on these lakes are filed on 6 x 9 survey cards in Kalispell and the Helena office.

Recommendations:

It is recommended that this study be continued as it is furnishing much needed data for the rehabilitation work that is anticipated and also sound recommendations for the planting of fish.

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Approved by George D. Holton

Date April 30, 1958