

STATE Montana  
PROJECT F-7-R-1  
DATE March 31, 1952  
VOL. I NO. 3

QUARTERLY PROGRESS REPORT FOR  
INVESTIGATIONS PROJECTS

As Required by

FEDERAL AID IN FISH AND WILDLIFE RESTORATION ACTS

1. Title of Project: Northwest Montana Fishery Study
2. Leader: Frank A. Stefanich, Biologist
3. Report of Progress:

Job I-A: Contribution of Hatchery Reared Trout to Total Catch.  
Arrangements have been made to hold the fish and then fin-clip and plant them in May.

Job II-A: Inventory of the Project Area's Waters from the Stand-point of Physical and Chemical Characteristics.  
A list of 53 lakes of the Swan River Drainage was made and their areas measured by a planimeter.

Job II-B: Inventory of the Project Area's Waters from the Stand-point of Fish Response to Environment.  
Inactive during report period.

Job III-A: Natural Reproduction of Kokanee in Flathead Lake and Tributaries:  
Kokanee eggs were found at Rollins Bay, Somers Hatchery Bay, Doc Richardsons Bay, Yellow Bay and Hole in the Wall Bay. Some were also found in Spring Creek. The level of the lake has dropped seven feet since January 1, thus leaving much of the spawning areas exposed. Eyed eggs were first found on February 4. Kokanee were still active in spawning area by the Somers Fisheries Station on February 16. On March 24 the first fry were found in Hole in the Wall Bay and they were estimated to be two weeks old. On March 27, in the same area, recently hatched fry were found as were also eyed eggs. The level of the lake is at its lowest and fry and eggs were found about three inches above water level, thus indicating that Kokanee spawn in nine feet of water. This project is still in the active state.

Job IV-A: Establishing Measures of Abundance of Cutthroat Trout in Ashley Lake.  
Work finished; job completion report attached.

Job IV-B: Developing Measures to Determine Kokanee Abundance in Flathead Lake.  
Inactive during report period.

Job V-A: Effectiveness of Smith Lake Rearing Pond.  
Completion report sent with December Quarterly report.

Job VI-A: Grayling Spawning Areas for Rogers Lake.  
Inactive during report period.

Job VII-A: The Effects of Logging on Pinkham Creek's Fish Population.  
Completion report sent in with December Quarterly Report.

Submitted by:

Name Frank A. Stefanich

Title Biologist

Approved by:

Montana State Department of Fish and Game

By

Title State Game Warden

Date April 7, 1952