

FISHERY RESEARCH



Job Performance Report
Project F-73-R-16
STATUS AND ANALYSIS OF SALMONID FISHERIES
Subproject II, Study IV
Job 5. Sensitive Species

By:

George Stephens, Information Manager
Natural Resource Policy Bureau
Conservation Data Center

IDFG 95-5
January 1995

JOB PERFORMANCE REPORT

State: Idaho

Name: Status and Analysis of Salmonid Fisheries

Project: F-73-R-16

Title: Sensitive Species

Subproject: II

Study: IV

Job: 5

Period Covered: April 1, 1993 to March 28, 1994

OBJECTIVES

- 1) To develop a fisheries portion of the Conservation Data Center's (CDC) databases on the status and distribution of rare, threatened, and endangered aquatic plants and animals in Idaho.
- 2) To develop manual, map, and computerized data files on rare fish occurrences in Idaho.
- 3) Respond to requests for information on rare and sensitive fishes.

RESULTS

During the second year of development of a rare resident fishes database, the CDC processed information on the following species:

- Wood River sculpin
- interior redband trout
- burbot
- leatherside chub

Distributional data were entered into a computerized database (Element Occurrence Record database), one of several related databases in what is known as the Biological and Conservation Data system (BCD). The BCD is a dynamic relational database management system and records are intended to be updated as new information becomes available. Additionally, the distributions were added to 7.5-ft topographic maps.

No current distributional data was located for Pacific lamprey, and the species' status in Idaho remains uncertain.

The BCD and map files were updated from new distributional information for the following:

- bull trout
- Bonneville cutthroat trout

Pertinent literature on these species was added to the CDC's library and the associated bibliographic information entered into a computerized (Source Abstract) bibliographic database in BCD.

Known distributions of all rare, resident fishes were supplied to the Department's Geographic Information System Analyst as ASCII files or directly entered into ARC-INFO from the CDC.

As a provider of information, the Conservation Data Center routinely responds to site-specific requests, primarily from federal agencies, state agencies, conservation organizations, and private consultants. During fiscal year 1994, the CDC responded to over 900 requests; approximately 20% of these requests involved waterways and/or wetlands.

The CDC provided its database records on fish species to Bureau of Land Management district wildlife biologists and to Sensitive Species coordinators in U.S. Forest Service regions 1 and 4, and will continue to do so on a biannual basis.

Author:

George Stephens
Information Manager
Conservation Data Center

Submitted by:

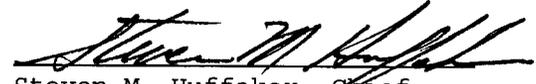
George Stephans
Information Manager

Approved by:

IDAHO DEPARTMENT OF FISH AND GAME

COSTS INCURRED:

Federal - \$12,631
State - \$ 4,210
Total - \$16,841



Steven M. Huffaker, Chief
Bureau of Fisheries



Al Van Vooren
Fishery Research Manager