

HABITAT IMPROVEMENT PROJECT

Fishery Division



OREGON STATE GAME COMMISSION
P. O. BOX 3503
PORTLAND, OREGON 97208

Stream Clearance Segment

NUMBER 14

STATE OF OREGON
OREGON STATE GAME COMMISSION
FISHERY DIVISION

C. J. Campbell, Chief of Operations

State-wide Stream Improvement
Stream Clearance Segment

Completion Report for Project F-70-D-1
February 1, 1964 - June 30, 1965

by

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The following projects were accomplished between February 1, 1964 and June 30, 1965, under the stream clearance segment of State-wide Stream Improvement. The projects were accomplished by selecting contractors under the procedure of using sealed bids. Smaller projects were completed by Force Account. The heavy equipment used on each project varied as to those specified in each contract. On all major projects the contractor obtaining the bids furnished all personnel for the entire job. Force Account projects were accomplished by hiring the equipment with Game Commission stream clearance personnel working directly with the operator. As a result of the clearance projects, approximately 176 miles of additional spawning streams were made available to anadromous fish.

District fishery biologists and stream improvement personnel made physical surveys of the stream prior to clearance work. The work was accomplished before the project was advertised for bid or equipment was rented.

The D. C. Logging Company, with the aid of a TD-9 tractor, accomplished cleanup work on Hawley and Sandy Creeks both tributaries to the upper Siuslaw River. The project in Lane County required approximately 49 working hours.

April 1964 a stream clearance project was initiated on the Siuslaw River and tributaries in Douglas County. The Woolbright Logging Company was the principal contractor. A total of 724 tractor hours were used to clear logging debris from 16 tributaries of the river. Surveys indicated that on the project approximately $59\frac{1}{4}$ miles of gravel were made available for spawning by anadromous species. The contract was terminated July 28, 1964.

April 1964 a stream clearance project was started on the Devils Lake Fork of the Wilson River. The Tillamook County project required the use of a D-6 tractor owned by James R. Olsen. The project was completed in May 1964 after completing $141\frac{1}{2}$ working hours of tractor time.

The D-C Logging Company again acted as the contractor in a stream clearance project during May 1964 on Lake and Wildcat Creeks, tributaries to the Siuslaw River. The D-6 tractor and crew completed the contract during the last of July 1964 after expending 475 working hours.

One of the largest logjams ever attempted for removal was started on the first of June 1964 on the upper Kilchis River in Tillamook County. E. J. Welding was the contractor. Primary equipment included a 98-link belt crane with grapples. The State Board of Forestry agreed to burn the piles of debris removed by the crane when weather permitted. The contract included removal of a large logjam on Drift Creek, a tributary of the Pacific Ocean. The Kilchis logjam itself required 170 hours total working time. The Drift Creek project required 40 hours.

July 22, 1964, another stream clearance project was initiated on the upper Smith River in Douglas County, under contract with the D-C Logging Company. Five tributary streams and a section of the main river were cleaned of logjams. The project opened 20 miles of river to anadromous fish. The project required 497½ tractor hours to complete the work.

July 1964 another stream clearance project was started on the lower Umpqua River and tributaries. Milton Bedortha was the contractor working with a crew and an HD-9 tractor. Approximately 597½ tractor working hours were required on 13 different tributaries to make 53 miles of stream again available to anadromous fish. The project area was all located in Douglas County. Surveillance was given to another project on Yellow Creek that was under contract and paid for by Douglas County.

The stream clearance crew, by sawing and blasting a channel, was able to cut through a logjam on Parker Creek, tributary to the North Fork of the Alsea in Benton County.

A logjam on East Foley Creek in Clatsop County, tributary to the Nehalem River, was removed by the stream clearance crew with the landowner sharing the cost of the project.

A combination of blasting, using an HD-20 tractor and a dragline, a stream improvement crew cut a channel through an old mill dam on Smoot Creek, tributary to Indian Creek. Smoot Creek is now available to anadromous fish for spawning purposes.

Considering all projects, it has been calculated that approximately 176 miles of additional spawning streams were made available to anadromous fish through the projects outlined above.

Maintenance was accomplished on all equipment controlled by the State improvement crew. Several of the projects required minor maintenance at various times to prohibit collection of debris during high water.

Financial Statement:

Project approval	\$ 81,300.00
Actual Expenses	74,204.28

Approved by:

Submitted by:

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Kilchis River logjam before removal



Kilchis River logjam after removal but prior to
burning of debris