

PROJECT COMPLETION REPORT
CATCHING CREEK ENHANCEMENT PROJECT
OWEB Project # 201-609



Typical log installation in Catching Creek, a tributary to Cow Creek, a tributary to the South Umpqua River.

Prepared by

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Umpqua Basin Watershed Council Oregon Department of Fish & Wildlife
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Catching Creek Enhancement Project

BACKGROUND

Landowner(s):

Silver Butte Timber Company
PO Box 4
Riddle, OR 97469
Contact: Lew Howe
(541) 874-2281

Project Location:

T31S, R6W, WM, Section 4

FISHERY

Catching Creek is part of the high priority "Lower Cow Creek" 5th field watershed. The Umpqua Basin Watershed Council's "Technical Advisory Committee" has used the Bradbury Process to prioritize sub-basins for future restoration potential. This sub-basin was designated to be a "High" priority in the Umpqua Basin for the implementation of restoration activities. Catching Creek is an important waterway for coho, winter steelhead and cutthroat trout. The Oregon Department of Fish & Wildlife has conducted extensive monitoring over the years on Catching Creek, including adult coho surveys and habitat surveys.

FISCAL

Agency/Organization:

Oregon Watershed Enhancement Board
775 Summer St. NE
Suite 360
Salem, OR 97301-1290

Program:

Watershed Management Grant
Contact: Mark Grenbemer, Region 2 Rep.
Phone: 541-471-2886 Fax: 541-471-2876

Grant Number: 201-609

Dates:

Amount Obligated: \$12,687

Award:

September 4, 2002

Completion:

October 1, 2002

Budget:

<u>OWEB funds:</u>	<u>Actual</u>	<u>Budget</u>
• Contracted Services: Log and Boulder Placement	\$8,938	\$7,000
• Log Costs	1,626	4,600
• Administration	<u>1,056</u>	<u>1,087</u>
Total	*\$ 11,620	\$ 12,687
* Unallocated Funding	\$ 1,067	
<u>Landowner Contribution (In-Kind):</u>		
• Portion of logs used for project		\$5,100
• All boulders used for project		<u>\$1,500</u>
Total Landowner Contribution		\$6,600
<u>Other Cash Contribution: (Log hauling, log purchase and contractor costs)</u>		
• Umpqua Fisheries Enhancement Derby		2,000
• USFWS (Jobs in the Woods)		504
• Joe Merchep Umpqua River Foundation		<u>100</u>
Total Other Contribution		<u>\$ 2,604</u>
Total project cost		\$ 20,824

PROJECT DESCRIPTION

This reach of Catching Creek previously had very shallow pools based on a 1994 aquatic habitat survey. Also, there were previously no key pieces of large wood throughout the entire project section (1 mile). This project will slow water velocity, accumulate additional spawning gravel in key areas, increase instream cover and scour deeper pools throughout the reach.

A total of 66 logs were placed at 17 sites along this 1-mile section of Catching Creek. All logs were twice as long as the width of the active channel as suggested in the Oregon Aquatic Restoration & Enhancement Guide. The active channel width throughout the project site averages 18 feet. All logs were 34-40 feet in length and at least 18" in diameter. These logs were placed using a track-mounted excavator.

The addition of large wood into Catching Creek has increased fish habitat complexity, which provides more in-stream cover for fish. Increasing the amount of LWD in the system will allow smaller debris to

collect (creating jams). This will significantly slow the water velocity, which will allow more spawning gravel to accumulate. The large wood will also increase the abundance of aquatic insects in Catching Creek, which, in turn, will increase the food supply for salmonids. The addition of large wood will address these limiting factors, which existed due to the lack of large wood in the system.

PERMITS/AGREEMENTS

The DSL permit for the habitat enhancement project was requested and then received on January 30, 2002. It is a General Authorization for Fish Habitat Enhancement, DSL Project No. GA-24999.

MONITORING

The Oregon Department of Fish & Wildlife conducted winter and summer pre-project snorkel surveys throughout the project site. Post project snorkel counts will be conducted by ODFW in the 1st, 3rd and 9th year after large wood implementation. ODFW will also conduct another set of habitat surveys through the proposed project site. The post-project surveys will be conducted in the 1st and 9th year after project implementation.

ODFW has also taken pre-project photos from permanent photo points. The post-project pictures will be taken each year for 5 years to show changes throughout the stream reach.



Catching Creek log structures