

ODFW AQUATIC INVENTORY PROJECT
OREGON PLAN FOR SALMON & WATERSHEDS
STREAM RESTORATION HABITAT REPORT

STREAM: Catching Creek (U127)
BASIN: Cow Creek/South Umpqua River
SURVEY TYPE: Pre-Tx
DATE: March 13, 2002
SURVEY CREW: Loren Stucker, Russ Macal
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 13.6 km²
USGS MAPS: Nickel Mtn.
ECOREGION: Coast Range Umpqua Valleys

GENERAL DESCRIPTION:

The Catching Creek habitat survey extended 531 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 7.8 (range: 3.5-10.0). Land uses for the reach were heavy grazing and young (3-15 cm dbh) trees. The average unit gradient was 2.3 percent. Riffles (53%) and scour pools (25%) dominated stream habitat. Gravel (53%) and cobble (33%) dominated stream substrate. Wood volume was low at 3.5 m³/100m.

COMMENTS:

There were no potential barriers to upstream fish migration in the surveyed length.

REACH

T31S-R6W-S4NE

REACH

Valley and Channel Summary

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	7.8	VWI Range:	3.5 - 10

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	100%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	531	1,720	0
Secondary	10	8	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 5
Width: 3.1	Width: 5.6	7.8 (5.7 - 10.7)	11.8 (9.6 - 14.4)
Depth: 0.34	Height: 0.4	0.8 (0.7 - 0.8)	1.3 (0.9 - 2)

W:D ratio: 14.8

Entrenchment (ACW:FPW ratio): 1.4

Stream Flow Type: MF

Habitat Units/100m (total channel length): 5.9

Average Unit Gradient: 2.3%

Habitat Units/100m (primary channel length): 6.0

Water temperature (°C): 6.0 - 6.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	HG	YT
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:		Reach avg:
Undercut Banks:		Range: -

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	26	4.9
Volume (m ³):	18	3.5
Key pieces (>=12m x 0.60m):	1	0.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

CATCHING CREEK PRE-TX (U-127)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

3/13/2002

REACH		T31S-R6W-S4NE					REACH						
HABITAT DETAIL													
Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (>0.5m)	Substrate Percent Wetted Area						
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
GLIDE	2	43	3.1	0.21	133	0	0	10	63	23	3	3	
POOL-LATERAL SCOUR	11	128	3.2	0.64	418	0	3	7	52	33	5	0	
POOL-PLUNGE	1	4	4.8	0.70	17	0	0	15	70	15	0	0	
RAPID/BOULDERS	4	63	4.0	0.16	237	0	0	3	38	48	10	3	
RIFFLE	13	303	2.9	0.15	923	0	1	5	54	34	7	0	
STEP/LOG	1	0	0.7	0.10	0	0	5	10	70	15	0	0	
Total:	32	541	3.1	0.34	1,728	0	Avg: 1	6	53	33	6	1	

HABITAT SUMMARY								
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m ²)	Percent	Number	(# / 100m ²)
Dammed & BW Pools	0	0			0	0.00%	0	0.0
Scour Pools	12	132	3.3	0.64	435	25.17%	0	0.0
Glides	2	43	3.1	0.21	133	7.70%	0	0.0
Riffles	13	303	2.9	0.15	923	53.43%	0	0.0
Rapids	4	63	4.0	0.16	237	13.70%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	1	0	0.7	0.10	0	0.02%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY			
	Total	Total of all Channel Lengths # / Km	Primary Channel Length # / Km
All Pools:	12	22.2	22.6
Pools >=1m deep:	1	1.8	1.9
Complex pools (LWD pieces>=3):	1	1.8	1.9
Pool frequency (channel widths/pool):	8.0		
Residual pool depth (avg):	0.48		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **4-UMP** SITE ID: **127** **CATCHING CREEK PRE-TX (U-127)**

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
1	RI	00	28.3		BEGIN AT BC, OLD RF
2	LP	00	45.2		FLAG: WOOD SITE
4	LP	00	87.2		FLAG: WOOD SITE
5	RI	00	105.6		ROAD IMMEDIATE LEFT
10	LP	00	182.9		FLAG: SITE #6, 4 LOGS
13	RI	01	240.4	TJ/	
14	RI	11	240.4		TRIB ON MAP
15	LP	00	251.7		CANOPY OPENS, LESS SHADE
18	RI	00	291.9		FLAG: SITE #7, 4 LOGS
19	RI	00	316.9	WL	MALLARDS
24	RI	00	420.2		REDD
26	SL	00	424.2		H = .3
29	RI	00	472.9		FLAG: SITE #8, 3 LOGS
32	GL	00	530.6		FLAG: SITE #9, 3 LOGS