

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

STREAM: Coon Creek (U131)  
BASIN: Calapooya River  
SURVEY TYPE: Post-Tx  
DATE: March 13, 2002  
SURVEY CREW: Sara Meguffy, Sarah Schuster  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 33.1 km<sup>2</sup>  
USGS MAPS: Hinkle Creek  
ECOREGION: Coast Range Umpqua Valleys

**GENERAL DESCRIPTION:**

The Coon Creek habitat survey extended 516 meters. The channel was unconstrained with a single channel in a broad valley floor. The average valley width index was 4.4 (range: 3 - 6). Land use for the reach was second growth (15-30 cm dbh) trees. The average unit gradient was 1.1 percent. Riffles (62%) and scour pools (31%) dominated stream habitat. Cobble (30%) and gravel (29%) dominated stream substrate. Wood volume was high at 41.2 m<sup>3</sup>/100m.

**COMMENTS:**

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

The crew noted several habitat structures during the survey.

REACH

**T24S-R3W-S9NW**

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	4.4	VWI Range:	3 - 6

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	100%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	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	516	5,821	0
Secondary	6	5	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 4	<u>First Terrace</u> n = 1
Width: 10.3	Width: 12.6	53.6 ( 14.5 - 75 )	15.5 ( 15.5 - 15.5 )
Depth: 0.48	Height: 0.9	1.9 ( 1.6 - 2.2 )	2.5 ( 2.5 - 2.5 )

W:D ratio: 13.8  
Stream Flow Type: MF  
Average Unit Gradient: 1.1%  
Water temperature (°C): 6.0 - 6.0

Entrenchment (ACW:FPW ratio): 4.3  
Habitat Units/100m (total channel length): 4.8  
Habitat Units/100m (primary channel length): 4.8

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D15	G

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):	97	18.8
Volume (m <sup>3</sup> ):	212	41.2
Key pieces (>=12m x 0.60m):	2	0.4

OREGON DEPARTMENT OF FISH AND WILDLIFE

COON CREEK POST-TX (U-131)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

3/13/2002

REACH	T24S-R3W-S9NW							REACH				
HABITAT DETAIL												
Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk
CASCADE/BOULDERS	1	3	1.2	0.10	4	0	5	5	5	5	5	74
POOL-LATERAL SCOUR	7	132	10.9	0.73	1,460	0	12	22	32	27	7	0
POOL-STRAIGHT SCOUR	1	24	15.0	0.90	362	0	9	27	27	18	9	9
RAPID/BOULDERS	2	43	9.9	0.35	409	0	5	10	25	35	20	5
RIFFLE	14	320	10.4	0.37	3,591	0	6	20	29	33	10	2
<b>Total:</b>	25	522	10.3	0.48	5,825	0	<b>Avg:</b> 8	19	29	30	10	5

HABITAT SUMMARY									
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders		
					(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )	
Dammed & BW Pools	0	0			0	0.00%	0	0.0	
Scour Pools	8	156	11.4	0.75	1,822	31.27%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	14	320	10.4	0.37	3,591	61.65%	0	0.0	
Rapids	2	43	9.9	0.35	409	7.01%	0	0.0	
Cascades	1	3	1.2	0.10	4	0.06%	0	0.0	
Step/Falls	0	0			0	0.00%	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:	8	15.3	15.5
Pools >=1m deep:	0	0.0	0.0
Complex pools (LWD pieces>=3):	8	15.3	15.5
Pool frequency (channel widths/pool):	5.2		
Residual pool depth (avg):	0.41		

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 4-UMP    SITE ID: 131    COON CREEK POST-TX (U-131)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
1	RI	00	17.9	HS	
2	LP	00	32.6	HS	
3	RI	00	47.2	HS	
4	LP	00	68.7	HS	
5	RI	00	109.2	HS	
6	LP	01	134.5	HS, /TJ	
7	RI	11	134.5	HS	
8	RI	00	159.5	HS, /SS	
13	RI	01	283.6	TJ/	
15	RB	00	308.6		OLD NON-FUNCTIONING HS
16	RB	00	326.3	HS	
18	LP	00	373	HS	
19	RI	00	398	HS	
20	LP	00	416.5	HS	SITE 6
23	RI	00	471.5	HS	
24	LP	00	488.5	HS	
25	RI	00	516	HS	