

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

STREAM: Clover Creek (U130)  
BASIN: North Umpqua River  
SURVEY TYPE: Pre-Tx  
DATE: March 13, 2002  
SURVEY CREW: Sara Meguffy, Sarah Schuster  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 18.2 km<sup>2</sup>  
USGS MAPS: Winchester  
ECOREGION: Coast Range Umpqua Valleys

**GENERAL DESCRIPTION:**

The Clover Creek habitat survey extended 525 meters. The channel was alternately constrained by hillslopes and terraces in a broad valley floor. The average valley width index was 5.7 (range: 2.5 – 11.0). Land use for the reach was light grazing. The average unit gradient was 1.1 percent. Riffles (47%) and scour pool (45%) dominated stream habitat. Gravel (28%) and cobble (19%) dominated stream substrate. Wood volume was very low. Only two small pieces of wood were counted in the surveyed section.

**COMMENTS:**

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

REACH

**T26S-R5W-S26NW**

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	5.7	VWI Range:	2.5 - 11

Channel Morphology (Percent Reach Length)

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

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	525	2,142	0
Secondary	11	4	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 4
Width: 4.0	Width: 5.9	9.1 ( 7.5 - 11.1 )	11.9 ( 10.1 - 13.5 )
Depth: 0.47	Height: 0.9	1.8 ( 1.5 - 2 )	2.4 ( 2.1 - 2.6 )

W:D ratio: 6.8  
Stream Flow Type: MF  
Average Unit Gradient: 1.1%  
Water temperature (°C): 7.0 - 7.0

Entrenchment (ACW:FPW ratio): 1.6  
Habitat Units/100m (total channel length): 5.4  
Habitat Units/100m (primary channel length): 5.5

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LG	
Riparian Vegetation:	D30	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):	2	0.4
Volume (m <sup>3</sup> ):	0	0.0
Key pieces (>=12m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

CLOVER CREEK PRE-TX (U-130)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

3/13/2002

REACH	T26S-R5W-S26NW							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/BEDROCK	1	2	6.0	0.10	11	0	5	5	5	10	0	75	
POOL-LATERAL SCOUR	8	240	4.1	0.91	963	0	13	23	33	15	14	3	
RAPID/BOULDERS	4	46	3.4	0.24	164	0	20	11	14	21	21	13	
RIFFLE	16	248	3.9	0.33	1,008	0	9	16	31	21	14	9	
<b>Total:</b>	29	536	4.0	0.47	2,146	0	<b>Avg:</b> 12	17	28	19	15	10	

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	240	4.1	0.91	963	44.86%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	16	248	3.9	0.33	1,008	46.99%	0	0.0	
Rapids	4	46	3.4	0.24	164	7.62%	0	0.0	
Cascades	1	2	6.0	0.10	11	0.53%	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 of all Channel Lengths		Primary Channel Length
	<u>Total</u>	<u># / Km</u>	<u># / Km</u>
All Pools:	8	14.9	15.2
Pools >=1m deep:	2	3.7	3.8
Complex pools (LWD pieces>=3):	0	0.0	0.0
Pool frequency (channel widths/pool):	11.3		
Residual pool depth (avg):	0.69		

# Comment Summary

## Oregon Plan Monitoring Sites 2002

**MONITORING AREA: 4-UMP    SITE ID: 130    CLOVER CREEK PRE-TX (U-130)**

<b>UNIT#</b>	<b>TYPE</b>	<b>CHAN</b>	<b>DIST. (m)</b>	<b>COMMENTS</b>	<b>NOTES</b>
1	RI	00	25	SS/SS	T = 7, SITE 18
5	RI	00	72.4		SITE 2
6	RI	00	97.4	FC, RF	
7	RI	00	112.5	FC	SITE 3
8	LP	00	166.5		SITE 4
9	RB	00	173.5	/SS	SITE 5
14	RI	00	248.9		SG = 2 SQ M
15	LP	00	278.4		SITE 6, SG = 2 SQ M
18	RB	00	320.8	BC	
21	LP	01	399.7	TJ/	SITE 7
23	RI	00	424.7		SITE 8
24	RI	00	445.2		SITE 9
26	RI	00	482.7	FC, RF	
27	LP	01	511.2	TJ/	
29	RI	01	525	TJ/	END AT TRIB