

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

STREAM: Clabber Creek Phase 2 (U77)  
BASIN: Smith River  
SURVEY TYPE: Pre-Tx  
DATE: February 19, 2002  
SURVEY CREW: Loren Stucker, Russ Macal  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 4.1 km<sup>2</sup>  
USGS MAPS: Gunter  
ECOREGION: Coast Range Sedimentary

**GENERAL DESCRIPTION:**

The Clabber Creek Phase 2 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 3.3 (range: 1.3–6.0). Land uses for the reach were second growth (15-30 cm dbh) and mature (50-90 cm dbh) trees. The average unit gradient was 2.0 percent. Riffles (52%), rapids (21%) and riffles (21%) dominated stream habitat. Gravel (46%) and cobble (29%) dominated stream substrate. Wood volume was low at 14.3 m<sup>3</sup>/100m.

**COMMENTS:**

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

REACH

**T21S-R7W-S6NW**

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	3.3	VWI Range:	1.3 - 6

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	1,621	0
Secondary	25	17	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 3
Width: 2.9	Width: 5.3	8.6 ( 6.7 - 12 )	8.9 ( 8.1 - 10.2 )
Depth: 0.31	Height: 0.5	1.0 ( 0.8 - 1.1 )	1.5 ( 1.4 - 1.7 )

W:D ratio: 11.2

Entrenchment (ACW:FPW ratio): 1.7

Stream Flow Type: LF

Habitat Units/100m (total channel length): 7.3

Average Unit Gradient: 2.0%

Habitat Units/100m (primary channel length): 7.6

Water temperature (°C): 8.5 - 8.5

**Riparian, Bank, and Wood Summary**

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

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):	74	14.1
Volume (m <sup>3</sup> ):	75	14.3
Key pieces (>=12m x 0.60m):	4	0.8

OREGON DEPARTMENT OF FISH AND WILDLIFE

CLABBER CR PH 2 PRE-TX (U77)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

2/19/2002

REACH	T21S-R7W-S6NW							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	10	0.6	0.10	6	0	5	20	50	20	5	0
CULVERT CROSSING	1	17	1.5	0.20	25	0	0	5	85	10	0	0
GLIDE	1	11	3.5	0.25	39	0	0	15	70	15	0	0
POOL-DAMMED	1	10	2.3	0.55	22	0	0	10	30	45	15	0
POOL-LATERAL SCOUR	11	113	2.4	0.50	266	0	5	23	45	24	4	0
POOL-PLUNGE	3	11	4.4	0.60	50	0	0	21	51	14	6	7
POOL-STRAIGHT SCOUR	1	7	4.5	0.80	32	0	0	15	10	10	20	45
RAPID/BOULDERS	4	92	3.6	0.16	347	0	0	6	51	29	14	0
RIFFLE	13	245	2.9	0.16	732	0	0	6	45	42	6	1
RIFFLE W/ POCKETS	1	32	3.5	0.20	112	0	0	10	55	30	5	0
STEP/LOG	3	3	2.9	0.12	7	0	2	18	30	22	15	13
<b>Total:</b>	40	550	2.9	0.31	1,637	0	<b>Avg:</b> 2	14	46	29	7	3

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	1	10	2.3	0.55	22	1.36%	0	0.0	
Scour Pools	15	131	2.9	0.54	348	21.26%	0	0.0	
Glides	1	11	3.5	0.25	39	2.37%	0	0.0	
Riffles	14	277	3.0	0.16	844	51.52%	0	0.0	
Rapids	4	92	3.6	0.16	347	21.21%	0	0.0	
Cascades	1	10	0.6	0.10	6	0.37%	0	0.0	
Step/Falls	3	3	2.9	0.12	7	0.40%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	1	17	1.5	0.20	25	1.51%	0	0.0	

POOL SUMMARY			
	Total	Total of all Channel Lengths # / Km	Primary Channel Length # / Km
All Pools:	16	29.1	30.5
Pools >=1m deep:	0	0.0	0.0
Complex pools (LWD pieces>=3):	5	9.1	9.5
Pool frequency (channel widths/pool):	6.5		
Residual pool depth (avg):	0.38		

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **4-UMP**    SITE ID: **77**    **CLABBER CR PH 2 PRE-TX (U77)**

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
2	CC	00	26.8	CC	1.8 M DIAM GALV., 2 CULVERTS
5	RI	01	67.9	/TJ	
6	CB	11	67.9		TRIB FLOW = 5%
8	SL	00	71.6		H = .4
9	RP	00	103.6		SG = 3 SQ M
17	SL	00	217.3		H = .5
18	RI	00	244.8	SS/	
21	SL	00	284.9		H = .3
22	DP	00	294.6	DJ	
24	PP	00	331		NO STEP
35	LP	00	453.1		END OF SPAWNING SURVEY SIGN
36	LP	01	467.8	/TJ	
37	RB	11	467.8		TRIB FLOW = 8%
40	RI	00	524.6		END SIGN ALDER LEFT