

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

STREAM: Clabber Creek Phase 1 (U129)
BASIN: Smith River
SURVEY TYPE: Post-Tx
DATE: February 19, 2002
SURVEY CREW: Loren Stucker, Russ Macal
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 4.1km²
USGS MAPS: Gunter
ECOREGION: Coast Range Sedimentary

GENERAL DESCRIPTION:

The Clabber Creek Phase 1 habitat survey extended 479 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 6.7 (range: 1.1-10.0). Land uses for the reach were second growth (15-30 cm dbh) and mature (50-90 cm dbh) trees. The average unit gradient was 1.7 percent. Riffles (65%) and scour pools (31%) dominated stream habitat. Gravel (44%), cobble (22%) and sand (22%) dominated stream substrate. Wood volume was high at 37.6 m³/100m.

COMMENTS:

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

The crew noted several habitat structures during the survey.

REACH

T21S-R8W-S1NE

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	6.7	VWI Range:	1.1 - 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	479	1,454	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 4
Width: 3.0	Width: 6.4	8.1 (5.1 - 12.5)	10.9 (7 - 17.7)
Depth: 0.33	Height: 0.4	0.9 (0.7 - 1)	1.4 (0.85 - 1.8)

W:D ratio: 15.1

Entrenchment (ACW:FPW ratio): 1.3

Stream Flow Type: LF

Habitat Units/100m (total channel length): 6.7

Average Unit Gradient: 1.7%

Habitat Units/100m (primary channel length): 6.7

Water temperature (°C): 8.0 - 8.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	MT
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):	77	16.1
Volume (m ³):	180	37.6
Key pieces (>=12m x 0.60m):	7	1.5

OREGON DEPARTMENT OF FISH AND WILDLIFE

CLABBER CR PH 1 POST-TX (U129)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

2/19/2002

REACH	T21S-R8W-S1NE							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
CULVERT CROSSING	1	18	3.2	0.15	56	0	0	15	55	30	0	0
POOL-LATERAL SCOUR	13	132	3.0	0.55	434	0	5	28	41	17	3	6
POOL-PLUNGE	1	4	4.3	0.50	16	0	5	25	40	15	5	10
RIFFLE	15	278	2.9	0.16	828	0	1	17	50	26	3	4
RIFFLE W/ POCKETS	1	47	2.5	0.20	118	0	5	15	45	20	5	10
STEP/LOG	1	1	4.3	0.05	2	0	25	25	0	25	25	0
Total:	32	479	3.0	0.33	1,454	0	Avg: 4	22	44	22	4	5

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	14	136	3.1	0.54	449	30.92%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	16	325	2.9	0.17	946	65.08%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	1	1	4.3	0.05	2	0.15%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	18	3.2	0.15	56	3.85%	0	0.0

POOL SUMMARY			
	<u>Total</u>	Total of all Channel Lengths <u># / Km</u>	Primary Channel Length <u># / Km</u>
All Pools:	14	29.2	29.2
Pools >=1m deep:	0	0.0	0.0
Complex pools (LWD pieces>=3):	4	8.4	8.4
Pool frequency (channel widths/pool):	5.3		
Residual pool depth (avg):	0.35		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **4-UMP** SITE ID: **129** CLABBER CR PH 1 POST-TX (U129)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
1	RI	00	19.2	HS	
3	RI	00	51.8	HS	
6	LP	00	74.3		UNDERCUT BANK
8	LP	00	99.7	HS	
11	RI	00	120.6	CS	RIPRAP LEFT AND RIGHT
12	LP	00	132.6	CS	RIPRAP LEFT AND RIGHT
13	CC	00	150.1	CC	NO STEP, 3.2M DIA, METAL
14	RI	00	152.6	/CS	RIPRAP BY CULVERT
15	RI	00	190.6	HS	SNORKEL POOL #2
16	LP	00	198.6	HS	
18	LP	00	226.2	HS	
20	LP	00	256.3	HS	REDD, SNORKEL POOL #3
21	RI	00	289.7	HS	
22	LP	00	295	HS	
25	RI	00	361.6	HS	
28	SL	00	382.6		H = .6, POCKET ABOVE LOG
30	LP	00	418.1		SNORKEL POOL #5, 3" FRY
31	RP	00	465.3	HS	POCKETS BY WOOD
32	LP	00	478.8		END SIGN ALDER RIGHT