

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

STREAM: Haney Creek (U142)
BASIN: Smith River
SURVEY TYPE: Post-Tx
DATE: March 6, 2002
SURVEY CREW: Charlie Stein, Paul Jacobsen
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 12.8 km²
USGS MAPS: Gunter
ECOREGION: Coast Range Sedimentary

GENERAL DESCRIPTION:

The Haney Creek habitat survey extended 517 meters. The channel was unconstrained in a broad valley floor. The average valley width index was 8.2 (range: 7.0 – 10.0). Land uses for the reach were second growth (15-30 cm dbh) and young (3-15 cm dbh) trees. The average unit gradient was 0.3 percent. Scour pools (76%) dominated stream habitat. Gravel (53%) and sand (33%) dominated stream substrate. Wood volume was low at 16.1 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. These structures were constructed from large boulders.

REACH

T20S-R07W-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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	8.2	VWI Range:	7 - 10

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	517	3,027	0
Secondary	105	211	1

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 0
Width: 4.8	Width: 10.1	45.4 (30 - 55)	(-)
Depth: 0.67	Height: 0.6	1.2 (1.1 - 1.2)	(-)

W:D ratio: 17.5
Stream Flow Type: MF
Average Unit Gradient: 0.3%
Water temperature (°C): 7.0 - 7.0

Entrenchment (ACW:FPW ratio): 4.6
Habitat Units/100m (total channel length): 6.1
Habitat Units/100m (primary channel length): 7.4

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D30	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):	63	12.2
Volume (m ³):	83	16.1
Key pieces (>=12m x 0.60m):	3	0.6

OREGON DEPARTMENT OF FISH AND WILDLIFE

HANEY CREEK POST-TX (U-142)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

3/6/2002

REACH		T20S-R07W-S26NW						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	
POOL-BACKWATER	8	49	2.4	0.42	117	0	27	64	9	0	0	0	
POOL-ISOLATED	4	31	2.5	0.54	76	0	43	40	18	0	0	0	
POOL-LATERAL SCOUR	17	426	5.8	1.08	2,458	0	5	27	67	0	0	0	
PUDDLED UNIT	1	25	0.7	0.10	18	0	50	50	0	0	0	0	
RIFFLE	4	65	6.4	0.20	389	0	0	8	91	1	0	0	
STEP/COBBLE	4	26	7.1	0.18	181	0	0	6	94	0	0	0	
Total:	38	621	4.8	0.67	3,238	0	Avg: 14	33	53	0	0	0	

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	12	80	2.4	0.46	193	5.96%	0	0.0	
Scour Pools	17	426	5.8	1.08	2,458	75.90%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	4	65	6.4	0.20	389	12.01%	0	0.0	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	4	26	7.1	0.18	181	5.58%	0	0.0	
Dry	1	25	0.7	0.10	18	0.54%	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:	29	46.7	56.1
Pools >=1m deep:	12	19.3	23.2
Complex pools (LWD pieces>=3):	10	16.1	19.3
Pool frequency (channel widths/pool):	2.1		
Residual pool depth (avg):	0.81		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **4-UMP** SITE ID: **142** **HANEY CREEK POST-TX (U-142)**

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
1	LP	01	27	HS	BOULDERS, SG~4M^2
5	LP	00	58.5		SG~3M^2
6	LP	00	83.5	HS	SG~5M^2, BOULDERS
7	SC	00	90.5	HS	BOULDERS
10	LP	00	142		SG=2
11	LP	00	161	HS	SG=5, BOULDERS
13	LP	00	181	HS	BOULDERS, SG=5
14	LP	00	207.5	HS	SG=6, BOULDERS
17	LP	01	241		SG=5
19	LP	00	260.5		SG=6, OLD REDD
20	LP	00	289.5	/SS	SG=7
21	LP	00	314.5		SG=4
23	LP	01	356.5		SG=10
25	LP	00	374.5		SG=6
27	LP	01	416.9		SG=10
29	RI	01	449.9		POCKET ~1.9M DEEP
32	LP	01	470.9	/SS	SG=9, BEGIN CLEARCUT ON HS/
37	LP	01	516.9		SG=5
38	BW	10	516.9		END BELOW TREE PLANTING & BLDR