

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

STREAM: Edson Creek (S135)
BASIN: Rogue River
SURVEY TYPE: Pre-Tx
DATE: March 11, 2002
SURVEY CREW: Sara Meguffy, Sarah Schuster
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 10.2 km²
USGS MAPS: Gold Beach
ECOREGION: Coast Range Sitka Spruce

GENERAL DESCRIPTION:

The Edson Creek habitat survey extended 510 meters. The channel was alternately constrained by hillslopes and terraces in a broad valley floor. The average valley width index was 16.4 (range: 10 – 20). Land uses for the reach were light grazing and second growth (15-30 cm dbh) trees. The average unit gradient was 0.5 percent. Riffles (68%) and scour pools (32%) dominated stream habitat. Gravel (40%) and sand (34%) dominated stream substrate. Wood volume was low at 4.1 m³/100m.

COMMENTS:

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

REACH

T36S-R14W-S8NE

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	16.4	VWI Range:	10 - 20

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	510	2,682	0
Secondary	21	8	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 2
Width: 4.5	Width: 6.9	42.2 (6 - 125)	11.5 (11 - 12)
Depth: 0.55	Height: 1.2	2.3 (1.6 - 3)	2.4 (1.6 - 3.2)

W:D ratio: 6.3
Stream Flow Type: MF
Average Unit Gradient: 0.5%
Water temperature (°C): 10.0 - 10.0

Entrenchment (ACW:FPW ratio): 6.7
Habitat Units/100m (total channel length): 6.0
Habitat Units/100m (primary channel length): 6.3

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LG	ST
Riparian Vegetation:	S	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):	22	4.3
Volume (m ³):	21	4.1
Key pieces (>=12m x 0.60m):	1	0.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

PEA CREEK PRE-TX (S-145)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

3/5/2002

REACH	T34S-R14W-S10NW						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	17	1.9	0.15	32	0	14	38	38	10	0	0
POOL-LATERAL SCOUR	5	34	2.7	0.53	84	0	12	32	41	14	1	0
POOL-PLUNGE	1	8	2.8	0.60	21	0	10	29	33	24	5	0
RAPID/BOULDERS	1	8	2.0	0.10	15	0	5	10	19	29	38	0
RIFFLE	22	463	1.7	0.16	802	0	7	26	38	26	3	0
STEP/LOG	1	0	0.7	0.05	0	0	10	29	33	24	5	0
Total:	31	529	1.9	0.23	955	0	Avg: 8	27	37	23	4	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	0	0			0	0.00%	0	0.0
Scour Pools	6	42	2.8	0.54	105	11.02%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	22	463	1.7	0.16	802	83.97%	0	0.0
Rapids	1	8	2.0	0.10	15	1.59%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	1	0	0.7	0.05	0	0.01%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	17	1.9	0.15	32	3.40%	0	0.0

POOL SUMMARY			
	<u>Total</u>	Total of all Channel Lengths <u># / Km</u>	Primary Channel Length <u># / Km</u>
All Pools:	6	11.3	11.6
Pools >=1m deep:	0	0.0	0.0
Complex pools (LWD pieces>=3):	0	0.0	0.0
Pool frequency (channel widths/pool):	18.3		
Residual pool depth (avg):	0.43		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC** SITE ID: **135** **EDSON CREEK PRE-TX (S135)**

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
1	LP	01	17.1	TJ/	OPEN PASTURELAND, SG = 6
5	LP	01	66.5	/TJ	
8	RI	01	120.1	/TJ	SG = 4 SQ M
10	RI	00	132.6		CATTAILS, SOME MARSHY SPOTS
11	LP	00	143.1		SG = 6 SQ M
13	RI	00	182.1		SG = 4 SQ M
16	RI	00	237.8		SG = 4 SQ M
18	RI	00	262.7		SG = 4 SQ M
19	RI	00	282.5		SG = 26 SQ M
21	RI	01	332.5	/TJ	SG = 22 SQ M
23	RI	00	357.5		SG = 4 SQ M
25	RI	00	407.5		SG = 6 SQ M
26	RI	00	432.5	DJ	
27	RI	00	457	TJ/	
28	LP	00	470.4		SG = 4 SQ M
29	RI	00	486.3		SG = 4 SQ M
31	RI	01	509.8	/TJ	