

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

STREAM: Cedar Creek (S128)
BASIN: Elk River
SURVEY TYPE: Pre-Tx
DATE: March 12, 2002
SURVEY CREW: Sara Meguffy, Sarah Schuster
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 3.4 km²
USGS MAPS: Cape Blanco
ECOREGION: Coast Range Sitka Spruce

GENERAL DESCRIPTION:

The Cedar Creek habitat survey extended 512 meters. The channel was unconstrained in a wide floodplain. The average valley width index was 20.0. Land uses for the reach were light grazing and young (3-15 cm dbh) trees. The average unit gradient was 0.5 percent. Glides (50%) and riffles (36%) dominated stream habitat. Sand (44%), silt/organics (28%) and gravel (26%) dominated stream substrate. No large wood was present in the surveyed length.

COMMENTS:

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

REACH

T32S-R15W-S17SW

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	0%
Open V-shape	0%	Wide Floodplain	100%
Valley Width Index	20.0	VWI Range:	20 - 20

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	512	1,371	0
Secondary	19	11	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 0
Width: 2.4	Width: 3.6	200.0 (200 - 200)	(-)
Depth: 0.39	Height: 0.7	1.5 (1.2 - 1.8)	(-)

W:D ratio: 5.1
Stream Flow Type: MF
Average Unit Gradient: 0.5%
Water temperature (°C): 11.0 - 11.0

Entrenchment (ACW:FPW ratio): 67.0
Habitat Units/100m (total channel length): 4.7
Habitat Units/100m (primary channel length): 4.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LG	YT
Riparian Vegetation:	D3	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):		
Volume (m ³):		
Key pieces (>=12m x 0.60m):		

OREGON DEPARTMENT OF FISH AND WILDLIFE

CEDAR CREEK PRE-TX (S-128)

HABITAT INVENTORY

Report Date: 11/15/2013

Survey Date:

3/12/2002

REACH		T32S-R15W-S17SW					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
GLIDE	6	183	4.7	0.56	692	0	28	38	34	0	0	0
POOL-STRAIGHT SCOUR	1	26	6.8	0.90	173	0	30	50	20	0	0	0
RAPID/BOULDERS	1	9	1.6	0.15	14	0	10	20	50	20	0	0
RIFFLE	17	314	1.4	0.31	503	0	29	47	23	1	0	0
Total:	25	531	2.4	0.39	1,382	0	Avg: 28	44	26	2	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	0	0			0	0.00%	0	0.0	
Scour Pools	1	26	6.8	0.90	173	12.54%	0	0.0	
Glides	6	183	4.7	0.56	692	50.08%	0	0.0	
Riffles	17	314	1.4	0.31	503	36.39%	0	0.0	
Rapids	1	9	1.6	0.15	14	0.98%	0	0.0	
Cascades	0	0			0	0.00%	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			
	<u>Total</u>	Total of all Channel Lengths	
		<u># / Km</u>	Primary Channel Length <u># / Km</u>
All Pools:	1	1.9	2.0
Pools >=1m deep:	0	0.0	0.0
Complex pools (LWD pieces>=3):	0	0.0	0.0
Pool frequency (channel widths/pool):	146.6		
Residual pool depth (avg):	0.70		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 5-SC SITE ID: 128 CEDAR CREEK PRE-TX (S-128)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTES
1	GL	00	75	20	SMALL REPLANTED TREES
2	RI	00	85.8		RIPARIAN FENCING
3	RI	00	110.8		SMALL WHITE PIPE OVER STREAM
4	RI	00	135.8		LOTS OF BLACKBERRIES
8	RB	01	204.3	/TJ	
11	GL	00	254.3		PLANTED EUCALYPTUS
12	GL	01	279.3	TJ/	
15	GL	00	312.1	SS/	
16	RI	00	337.1	WL	SNIPE, MARSHY AREA
17	RI	00	362.1	TJ/	
21	RI	01	437.1	SS/	
25	RI	00	512.1		END AT ROAD AND SMALL CULVERT