

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

STREAM: Rogue River Tributary C (Coyote Creek) (SC-240)  
BASIN: Rogue River  
SURVEY TYPE: Post-Tx  
DATE: March 7, 2005  
SURVEY CREW: Jennifer Schmitt, Neil Jensen  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 0.5 km<sup>2</sup>  
USGS MAPS: Signal Buttes  
ECOREGION: Coast Range Sitka Spruce

**GENERAL DESCRIPTION:**

The Rogue River Tributary C habitat survey extended 502 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 10.9 (range: 1.3-19.1). Land use for the reach was young (3-15 cm dbh) and second growth (15-30 cm dbh) trees. The average unit gradient was 7.0 percent. Cascades (52%) and rapids (29%) dominated stream habitat. Cobble (42%) and gravel (30%) dominated stream substrate. Wood volume was low at 10.4 m<sup>3</sup>/100m.

**COMMENTS:**

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

REACH 1

T36S-R14W-S11SW

REACH 1

**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	10.9	VWI Range:	1.3 - 19.1

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 Channel	502	1,040	0
Secondary Channel	0	0	0
Off-Channel Units	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 3
Width: 2.1	Width: 5.3	9.2 ( 5.7 - 12.8 )	10.7 ( 5.9 - 14.9 )
Depth: 0.22	Height: 0.5	0.9 ( 0.8 - 1.04 )	1.7 ( 1.22 - 2.3 )

W:D ratio: 11.7  
 Stream Flow Type: LF  
 Average Unit Gradient: 7.0%  
 Water temperature (°C): 9.0 - 9.0

Entrenchment (ACW:FPW ratio): 1.8  
 Habitat Units/100m (total channel length): 6.0  
 Habitat Units/100m (primary channel length): 6.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
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):	66	13.2
Volume (m <sup>3</sup> ):	52	10.4
Key pieces (>=12m x 0.60m):	0	0.0

HABITAT INVENTORY

Report Date: 11/29/2005

Survey Date:

3/7/2005

REACH 1		T36S-R14W-S11SW					REACH 1					
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	13	264	2.0	0.22	542	0	0	5	20	44	30	0
CULVERT CROSSING	1	25	1.7	0.10	43	0	0	5	30	55	10	0
POOL-LATERAL SCOUR	2	10	2.3	0.40	21	0	2	50	40	7	0	0
POOL-PLUNGE	2	33	1.8	0.50	52	0	0	23	43	28	8	0
RAPID/BOULDERS	7	139	2.1	0.15	306	0	0	3	28	56	13	0
RIFFLE	3	28	2.4	0.18	67	0	0	5	68	20	7	0
STEP/BOULDERS	1	1	1.6	0.04	1	0	0	0	0	45	55	0
STEP/COBBLE	1	3	2.3	0.10	7	0	0	1	30	54	15	0
<b>Total:</b>	<b>30</b>	<b>502</b>	<b>2.1</b>	<b>0.22</b>	<b>1,040</b>	<b>0</b>	<b>Avg: 0</b>	<b>8</b>	<b>30</b>	<b>42</b>	<b>20</b>	<b>0</b>

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	0	0			0	0.00%	0	0.0	
Scour Pools	4	43	2.0	0.45	74	7.08%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	3	28	2.4	0.18	67	6.47%	0	0.0	
Rapids	7	139	2.1	0.15	306	29.42%	0	0.0	
Cascades	13	264	2.0	0.22	542	52.15%	0	0.0	
Step/Falls	2	4	2.0	0.07	8	0.78%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	1	25	1.7	0.10	43	4.10%	0	0.0	

POOL SUMMARY			
	Total of all Channel Lengths		Primary Channel Length
	<u>Total</u>	<u># / Km</u>	<u># / Km</u>
All Pools:	4	8.0	8.0
Pools >=1m deep:	0	0.0	0.0
Complex pools (LWD pieces>=3):	0	0.0	0.0
Pool frequency (channel widths/pool):	23.8		
Residual pool depth (avg):	0.29		

# Comment Summary

## Restoration Monitoring Sites 2005

MONITORING AREA: 5-SC SITE ID: 240 ROGUE RIVER TRIB C POST-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
2	RB	00	44.8	WL	DEER	
7	CC	00	150.9	CC		
8	SC	00	154.1		BURIED CULV, 2.5 x 2.7,	
10	SB	00	182.6		H = 0.51, HEAVY THICKET	
16	LP	00	251.3	/LA		
18	RI	00	287.5	LA/		
21	CB	00	319.8	LA/		
25	CB	00	376.8	LA/LA		





Name: SIGNAL BUTTES  
 Date: 6/14/2004  
 Scale: 1 inch equals 2000 feet

Location: 10 390484 E 4702558 N  
 Caption: ROGUE RIVER TRIB C RESTORATION SITE - ROGUE BASIN