

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

STREAM: Cedar Creek (NC-13)
BASIN: Wilson River
SURVEY TYPE: Pre-Tx
DATE: March 2, 2000
SURVEY CREW: Andrew Gross, Joe Zuccarello
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 13.3 km²
USGS MAPS: Jordan Creek
ECOREGION: Coast Range Volcanic

GENERAL DESCRIPTION:

The Cedar Creek habitat survey extended 487 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 5.9 (range: 5.0 – 7.0). Land use for the reach was second growth (15-30 cm dbh) trees. The average unit gradient was 1.0 percent. Riffles (57%) and scour pools (30%) dominated stream habitat. Gravel (38%) and cobble (28%) dominated stream substrate. Wood volume was low at 13.4 m³/100m.

COMMENTS:

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

REACH 1

T1N-R7W-7NE

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index 5.9		VWI Range: 5 - 7	

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	487	5,303	0
Secondary	346	1,265	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.9	Width	9.7	13.0	14.2
Depth	0.58	Height	0.5	0.9	1.4
		W:D ratio	19.4	Entrenchment	1.4
Stream Flow Type:	HF	Water temp (C):		7.0	- 7.0
Avg. Unit Gradient:	1.0%	Habitat Units/100m:		8.0	

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	ST
Riparian Vegetation:	D15	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</u>
All pieces (>=3m x 0.15m):	67	13.8
Volume (m ³):	67	13.8
Key pieces (>=10m x 0.60m):	1	0.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

CEDAR CREEK PRE-TX

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

3/2/00

REACH 1

T1N-R7W-7NE

REACH 1

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
							CASCADE/BOULDERS	3	27	1.3	0.07	35
POOL-BACKWATER	1	4	3.5	0.60	13	0	0	70	0	0	0	30
POOL-ISOLATED	1	2	1.4	0.25	3	0	0	5	40	45	10	0
POOL-LATERAL SCOUR	7	104	7.8	1.01	788	0	8	31	34	16	2	9
POOL-STRAIGHT SCOUR	7	136	7.9	1.09	1,166	0	0	15	33	30	11	10
PUDDLED UNIT	1	44	1.5	0.25	66	0	5	52	33	5	5	0
RAPID/BOULDERS	4	69	6.9	0.35	497	0	0	9	41	40	9	2
RIFFLE	10	375	8.6	0.36	3,630	0	2	12	40	33	13	1
RIFFLE W/ POCKETS	1	45	3.2	0.25	144	0	0	15	60	25	0	0
STEP/COBBLE	4	27	8.1	0.38	225	0	0	4	51	39	6	0
Total:	39	832	6.9	0.58	6,569	0	Avg 2	18	38	28	8	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	2	6	2.5	0.43	17	0.25%	0	0.0
Scour Pools	14	240	7.8	1.05	1,954	29.75%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	11	420	8.1	0.35	3,774	57.46%	0	0.0
Rapids	4	69	6.9	0.35	497	7.57%	0	0.0
Cascades	3	27	1.3	0.07	35	0.53%	0	0.0
Step/Falls	4	27	8.1	0.38	225	3.43%	0	0.0
Dry	1	44	1.5	0.25	66	1.01%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY

	Total	# / Km
All Pools:	16	32.9
Pools >=1m deep:	7	14.4
Complex pools (LWD pieces>=3):	6	12.3
Pool frequency (channel widths/pool):	5.4	
Residual pool depth (avg):	0.62	

STREAM SUMMARY

CEDAR CREEK PRE-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Large Boulders (>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
39	832	6.9	0.58	6,569	2	18	38	28	8	5	

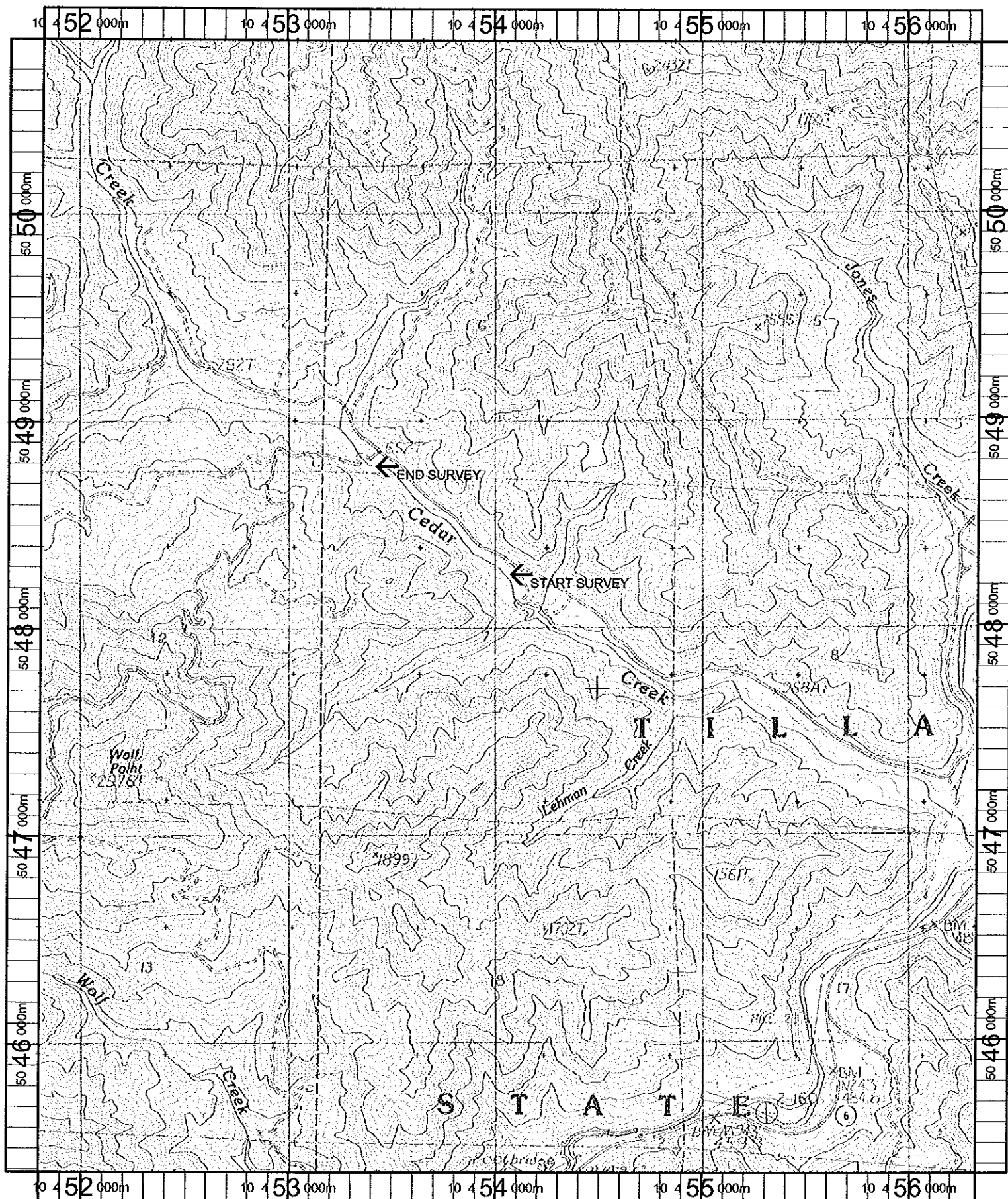
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	17	0.25%
Scour Pools	1,954	29.75%
Glides	0	0.00%
Riffles	3,774	57.46%
Rapids	497	7.57%
Cascades	35	0.53%
Step/Falls	225	3.43%
Dry	66	1.01%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 1-NC SITE ID: 13 CEDAR CREEK PRE-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RI	00	50			T= 7°C @ 9:30, VWI=6
4	RB	01	98.3	SS/		
8	RB	02	147.3			03 CH COMES IN HERE
9	SP	01	176.5			03 CH WIDTH=4.1,FP= 13.
11	LP	01	200.5			VWI= 5
16	SC	01	251.9			H= 0.3
21	RI	01	316.4	/TJ		03 CHANNEL STARTS
22	CB	11	316.4			T=8°C
23	RP	03	316.4			VWI= 5.5
29	CB	11	316.4	TJ/		
36	SP	01	437.5			PIC # 34
37	RI	01	486.6	BC		END OF SURVEY @ BC
38	PD	02	486.6	TJ/		HIGH FLOW CHANNEL



<p>Name: JORDAN CREEK Date: 10/13/100 Scale: 1 Inch equals 2000 feet</p>	<p>Location: 10 453976 E 5048085 N Caption: CEDAR CREEK RESTORATION SITE <i>W/ Jim Brown</i></p>
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