

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

STREAM: Camp Creek (MC-11)  
BASIN: Siuslaw River  
SURVEY TYPE: Post-Tx  
DATE: March 8, 2001  
SURVEY CREW: Andrew Gross, David Hering  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 6.8 km<sup>2</sup>  
USGS MAPS: High Point  
ECOREGION: Coast Range Sedimentary

**GENERAL DESCRIPTION:**

The Camp Creek habitat survey extended 550 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 8.2 (range: 7.0 – 10.0). Land use for the reach was young (3-15 cm dbh) and second growth (15-30 cm dbh) trees. The average unit gradient was 1.0 percent. Scour pools (61%) and riffles (24%) dominated stream habitat. Bedrock (38%) and gravel (30%) dominated stream substrate. Wood volume was high at 30.9 m<sup>3</sup>/100m.

**COMMENTS:**

There were no potential barriers to upstream fish migration in the surveyed length.  
The crew noted several habitat structures during the survey.

REACH SUMMARY

REACH 1

T19S-R7W-S25NW

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 avg: 8.2 range: 7.0-10.0

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	550	2,221	0
Secondary	20	43	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.8	Width	5.5	7.7	9.0
Depth	0.32	Height	0.5	0.9	1.3
		W:D ratio	12.2	Entrenchment	1.4

Stream Flow Type: MF Water Temp: 7.0-7.0°C  
 Avg. Unit Gradient: 1.0% Habitat Units/100m: 7.6

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	0%	Reach avg: 0%
Undercut Banks	0%	Range: 0- 0

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces (≥3m x 0.15m)	115	20.9
Volume (m <sup>3</sup> )	170	30.9
Key pieces (≥10m x 0.6m)	0	0.0

HABITAT UNIT SUMMARY

REACH 1

T19S-R7W-S25NW

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	Cbbl	Bldr	Bdrk
CASCADE/BOULDERS	1	4	0.3	0.02	1	0	15	45	40	0	0	0
POOL-BACKWATER	1	4	2.6	0.55	11	0	10	30	50	10	0	0
POOL-ISOLATED	1	2	3.3	0.28	7	0	80	20	0	0	0	0
POOL-LATERAL SCOUR	23	322	4.1	0.48	1,319	0	10	27	23	3	0	36
POOL-STRAIGHT SCOUR	2	13	4.9	0.22	67	0	3	8	45	3	0	43
RAPID/BEDROCK	4	58	4.8	0.08	282	0	1	1	1	0	0	96
RIFFLE	8	153	3.3	0.11	534	0	2	12	42	6	0	38
STEP/COBBLE	3	14	3.3	0.08	44	0	0	12	80	8	0	0
<b>Total:</b>	<b>43</b>	<b>570</b>	<b>3.8</b>	<b>0.32</b>	<b>2,264</b>	<b>0</b>	<b>Avg: 9</b>	<b>20</b>	<b>30</b>	<b>3</b>	<b>0</b>	<b>38</b>

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m <sup>2</sup> )	Percent	Large Boulders Number	#/100m <sup>2</sup>
Dammed & BW Pools	2	6	3.0	0.42	18	0.77	0	0.0
Scour Pools	25	335	4.2	0.46	1,386	61.22	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	8	153	3.3	0.11	534	23.58	0	0.0
Rapids	4	58	4.8	0.08	282	12.44	0	0.0
Cascades	1	4	0.3	0.02	1	0.05	0	0.0
Step/Falls	3	14	3.3	0.08	44	1.94	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

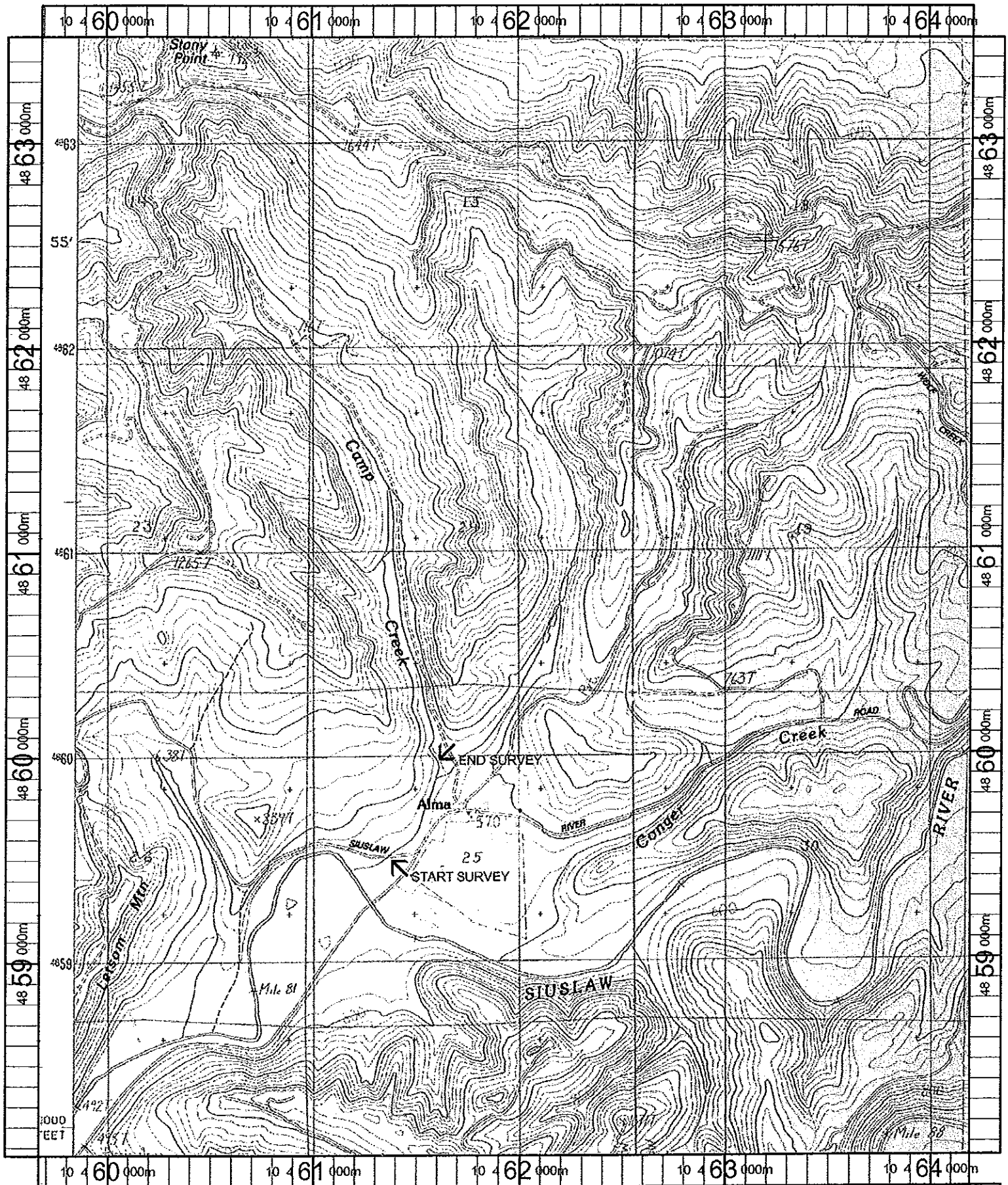
All Pools	<u>Total</u>	<u>#/Km</u>
	27	47.4
Pools ≥1m deep:	1	1.8
Complex pools (LWD pieces ≥3):	9	15.8
Pool Frequency (channel widths/pool):	3.8	
Residual pool depth (avg)	0.39m	

STREAM SUMMARY

CAMP CREEK POST-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	Bdrk	
43	570	3.8	0.32	2,264	9	20	30	3	0	38	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	1,386	61.2
Backwater Pools	18	0.8
Glide	0	0.0
Riffle	534	23.6
Rapid	282	12.4
Cascade	1	0.1
Step	44	1.9
Dry	0	0.0



Name: HIGH POINT  
 Date: 11/8/100  
 Scale: 1 inch equals 2000 feet

Location: 10 461838 E 4860762 N  
 Caption: CAMP CREEK RESTORATION SITE - SIUSLAW BASIN