

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

STREAM: Camp Creek (MC-11)
BASIN: Siuslaw River
SURVEY TYPE: Pre-Tx
DATE: March 1, 2000
SURVEY CREW: Chris Mease, Trevan Cornwell
REPORT PREPARED BY: Paul Jacobsen
BASIN AREA: 6.8 km²
USGS MAPS: High Point
ECOREGION: Coast Range Sedimentary

GENERAL DESCRIPTION:

The Camp Creek habitat survey extended 525 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 13.0. Land use for the reach was young (3-15 cm dbh) and second growth (15-30 cm dbh) trees. The average unit gradient was 1.5 percent. Riffles (45%) and scour pools (36%) dominated stream habitat. Gravel (35%) and bedrock (27%) dominated stream substrate. Wood volume was low at 6.2 m³/100m.

COMMENTS:

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

REACH 1

T19S-R07W-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	12.8	VWI Range:	12 - 13

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	525	2,245	0
Secondary	54	74	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.1	Width	5.5	7.3	9.5
Depth	0.42	Height	0.4	0.8	1.5
		W:D ratio	13.9	Entrenchment	1.3

Stream Flow Type: MF Water temp (C): -
Avg. Unit Gradient: 1.5% Habitat Units/100m: 7.4

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
Riparian Vegetation:	D30	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</u>
All pieces (>=3m x 0.15m):	80	15.3
Volume (m ³):	32	6.2
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

CAMP CREEK (PRE WIN 00)

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

3/1/00

REACH 1		T19S-R07W-S25NW					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/BEDROCK	1	7	3.2	0.15	22	0	5	5	9	5	0	77
GLIDE	1	20	4.7	0.23	94	0	5	10	25	10	0	50
POOL-ALCOVE	1	41	1.1	0.05	45	0	100	0	0	0	0	0
POOL-BACKWATER	1	6	1.2	0.35	7	0	90	10	0	0	0	0
POOL-LATERAL SCOUR	16	191	4.2	0.75	806	0	7	17	39	15	3	19
POOL-STRAIGHT SCOUR	1	8	4.3	0.55	35	0	5	10	30	35	0	20
RAPID/BEDROCK	3	49	4.3	0.18	215	0	0	3	6	8	0	83
RAPID/BOULDERS	1	6	3.7	0.15	21	0	0	5	65	30	0	0
RIFFLE	10	244	4.2	0.17	1,039	0	4	7	41	17	0	30
STEP/BOULDERS	1	0	4.2	0.10	1	0	0	0	10	10	80	0
STEP/COBBLE	2	6	5.3	0.15	33	0	3	3	65	30	0	0
STEP/LOG	1	0	4.0	0.10	1	0	0	5	35	10	0	50
Total:	39	578	4.1	0.42	2,319	0	Avg 9	10	35	15	3	27

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	47	1.2	0.20	52	2.23%	0	0.0
Scour Pools	17	199	4.2	0.74	841	36.28%	0	0.0
Glides	1	20	4.7	0.23	94	4.05%	0	0.0
Riffles	10	244	4.2	0.17	1,039	44.80%	0	0.0
Rapids	4	55	4.1	0.18	236	10.17%	0	0.0
Cascades	1	7	3.2	0.15	22	0.97%	0	0.0
Step/Falls	4	7	4.7	0.13	35	1.50%	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>	<u># / Km</u>
All Pools:	19	36.2
Pools >=1m deep:	1	1.9
Complex pools (LWD pieces>=3):	4	7.6
Pool frequency (channel widths/pool):	5.5	
Residual pool depth (avg):	0.57	

STREAM SUMMARY

CAMP CREEK (PRE WIN 00)

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	578	4.1	0.42	2,319	9	10	35	15	3	27	

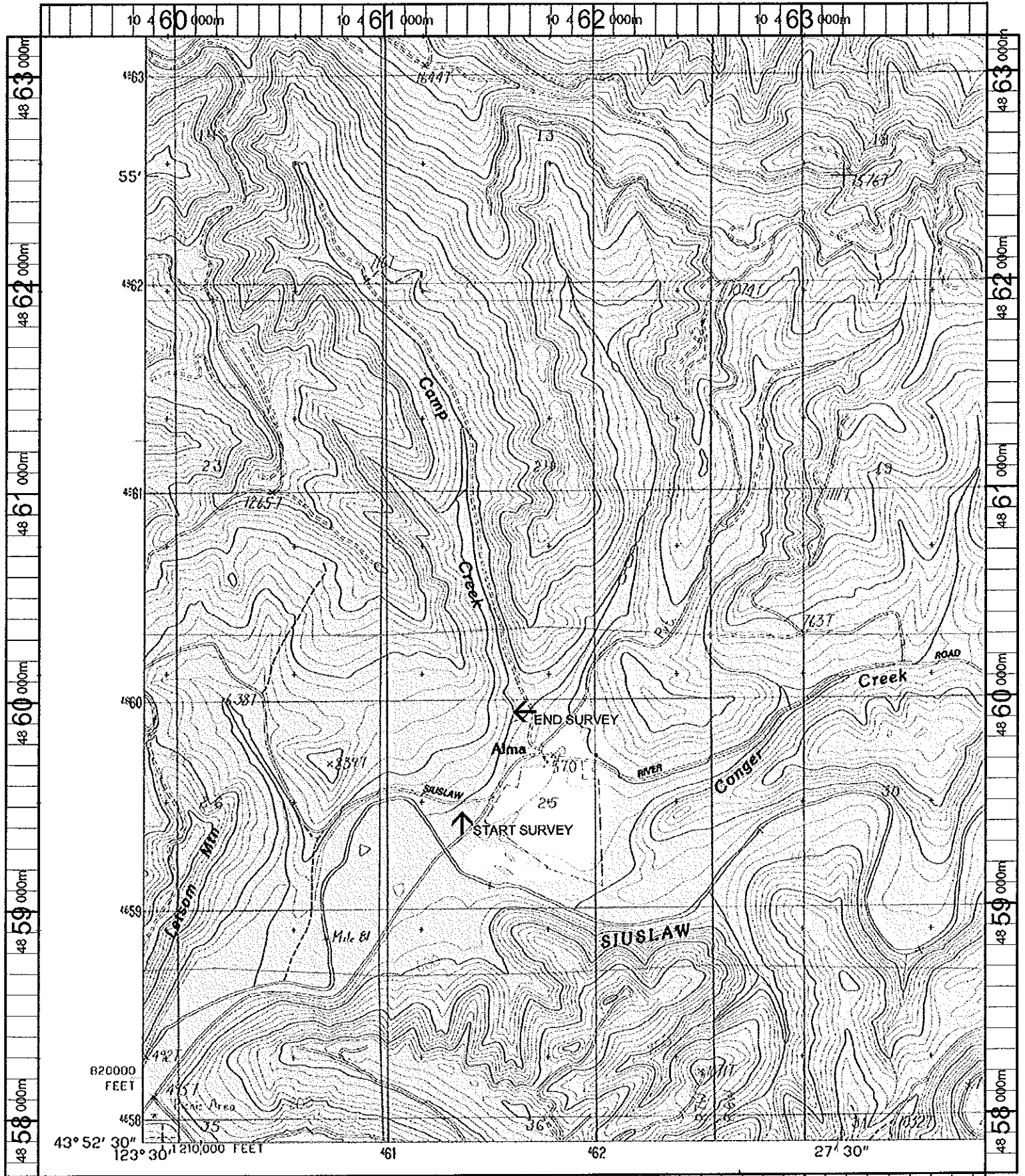
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	52	2.23%
Scour Pools	841	36.28%
Glides	94	4.05%
Riffles	1,039	44.80%
Rapids	236	10.17%
Cascades	22	0.97%
Step/Falls	35	1.50%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 2-MC SITE ID: 11 CAMP CREEK (PRE WIN 00)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RB	00	5.7			START ABOVE CULVERT
4	LP	01	26.2	BV		
5	AL	10	26.2	SS		W/FLOWING WATER FRO
6	RI	00	31			VWI= 12-15
9	LP	00	67.2			GOOD UNDERCUT
12	BW	10	89.7			EGG MASSES
15	LP	00	129.6	/SS		
19	LP	00	175.8			CLEARCUT 10M ON LEFT
20	RI	00	202.8			FLAG "LAMPREY REDD"
21	LP	00	211	SS/		BIG SPRING ON LEFT
22	SC	00	214			FLAG "SITE 3"
24	RI	00	270			FLAG "SITE 4"
27	RI	00	352.5			FLAG "SITE 5"
28	LP	00	367.1	BV		
31	SL	00	394.4			H= 0.2
32	LP	00	407.7			BEAVER HOLE OLD
34	RI	01	479.2	/SS		97 ODFW SPAWNING EN
35	CR	11	479.2			UP TRIB RIGHT-30%FLO
36	SB	00	479.5			H= 0.3
39	RI	00	524.5			END @ BIG COTTONWOO



Name: HIGH POINT
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 461508 E 4860435 N
 Caption: CAMP CREEK RESTORATION SITE
Suslaw Basin