

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

STREAM: Long Prairie Creek (MC-46)  
BASIN: Siletz River  
SURVEY TYPE: Pre-Tx  
DATE: January 26, 2000  
SURVEY CREW: SG, JJ  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 13.4 km<sup>2</sup>  
USGS MAPS: Eddyville  
ECOREGION: Coast Range Sedimentary

**GENERAL DESCRIPTION:**

The Long Prairie Creek habitat survey extended 464 meters. The channel was unconstrained in a broad valley floor. The average valley width index was 7.8 (range: 3.0 – 15.0). Land use for the reach was timber harvest and young (3-15 cm dbh) trees. The average unit gradient was 0.4 percent. Scour pools (53%), slackwater pools (27%), and riffles (20%) dominated stream habitat. Gravel (56%) dominated stream substrate. Wood volume was low at 14.8 m<sup>3</sup>/100m.

**COMMENTS:**

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



OREGON DEPARTMENT OF FISH AND WILDLIFE

LONG PRAIRIE CREEK PRE-TX (MC-46)

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

1/26/00

REACH 1

T10S-R9W-S17NE

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/BEDROCK	1	9	0.1	0.10	1	0	0	17	11	22	0	50
POOL-BACKWATER	1	8	2.0	1.10	16	0	100	0	0	0	0	0
POOL-DAMMED	1	60	11.0	1.70	660	0	30	30	40	0	0	0
POOL-LATERAL SCOUR	8	180	4.4	1.27	798	0	21	21	51	2	0	6
POOL-STRAIGHT SCOUR	5	108	4.8	1.08	531	0	10	23	57	9	1	0
RIFFLE	7	150	3.2	0.40	509	0	7	10	78	4	0	1
RIFFLE W/ POCKETS	1	14	0.2	0.10	3	0	0	0	50	50	0	0
<b>Total:</b>	<b>24</b>	<b>529</b>	<b>4.0</b>	<b>0.89</b>	<b>2,517</b>	<b>0</b>	<b>Avg 16</b>	<b>17</b>	<b>56</b>	<b>7</b>	<b>0</b>	<b>4</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	2	68	6.5	1.40	676	26.86%	0	0.0
Scour Pools	13	288	4.5	1.20	1,329	52.79%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	8	164	2.9	0.36	511	20.32%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	1	9	0.1	0.10	1	0.03%	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

	Total	# / Km
All Pools:	15	32.3
Pools >=1m deep:	15	32.3
Complex pools (LWD pieces>=3):	4	8.6
Pool frequency (channel widths/pool):	4.4	
Residual pool depth (avg):	0.69	

**STREAM SUMMARY**

**LONG PRAIRIE CREEK PRE-TX (MC-46)**

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Large Boulders (#>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
24	529	4.0	0.89	2,517	16	17	56	7	0	4	

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Dammed & BW Pools	676	26.86%
Scour Pools	1,329	52.79%
Glides	0	0.00%
Riffles	511	20.32%
Rapids	0	0.00%
Cascades	1	0.03%
Step/Falls	0	0.00%
Dry	0	0.00%
Culverts	0	0.00%

# Comment Summary

## Restoration Monitoring Sites 2003

MONITORING AREA: 2-MC SITE ID: 46 LONG PRAIRIE CREEK PRE-TX (MC-46)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	LP	01	0	/TJ	VWI= 3.0,STRT @ THAYE	
5	SP	00	46.4		REST SITE	
10	LP	01	153.9	/TJ		
12	RI	00	217.2		VWI=3.0	
14	CR	11	240.7	/TJ		
16	RI	01	270	/TJ		
18	DP	01	330		VWI= 10.0	
19	BW	10	330		REST SITE	
21	RI	00	371		REST SITE	
22	LP	00	410.5		VWI= 15.0	
24	LP	00	464		END @ REST SITE #2 NE	

