

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

STREAM: Little Wallooskee River (NC-366)  
BASIN: Columbia River  
SURVEY TYPE: Post-Tx  
DATE: March 7, 2007  
SURVEY CREW: Jeff O'Leary, Sheri Etchemendy  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 13.1 km<sup>2</sup>  
USGS MAPS: Cathlamet Bay  
ECOREGION: Coast Range Coastal Uplands

**GENERAL DESCRIPTION:**

The Little Wallooskee River habitat survey extended 2,480 meters. The channel was alternately constrained by hillslope and multiple terraces in a broad valley floor. The average valley width index was 6.5 (range: 1.5-9). Land use for the reach was second growth timber (15-30 cm dbh) and young timber (3-15 cm dbh). The average unit gradient was 0.9 percent. Scour pools (58%) and riffles (30%) dominated stream habitat. Gravel (32%), sand (31%) and cobble (28%) dominated stream substrate. Wood volume was low at 8.8 m<sup>3</sup>/100m.

**COMMENTS:**

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

The crew noted several habitat structure sites during the survey.



OREGON DEPT OF FISH AND WILDLIFE      LITTLE WALLOOSKEE RIVER POST-TX      (1-NC, 366)

HABITAT INVENTORY      Report Date: 4/25/2007      Survey Date: 3/7/2007

REACH 1		T08W-R08W-S31SE					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	3	81	2.6	0.17	271	0	5	7	52	30	7	0
POOL-BACKWATER	2	14	2.5	0.65	38	0	12	68	7	5	7	0
POOL-LATERAL SCOUR	69	1,414	4.8	0.82	7,027	0	1	40	28	24	3	4
RAPID/BOULDERS	8	178	4.6	0.29	783	0	1	14	34	36	9	6
RIFFLE	37	762	4.6	0.22	3,519	0	1	17	37	37	6	1
RIFFLE W/ POCKETS	2	23	3.8	0.28	98	0	5	47	41	7	0	0
STEP/COBBLE	8	54	5.0	0.22	268	0	1	18	39	35	6	0
STEP/LOG	3	9	5.0	0.12	45	0	3	58	34	5	0	0
<b>Total:</b>	132	2,534	4.7	0.54	12,049	0	<b>Avg:</b> 2	31	32	28	5	3

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	14	2.5	0.65	38	0.32%	0	0.0	
Scour Pools	69	1,414	4.8	0.82	7,027	58.32%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	39	785	4.6	0.22	3,617	30.02%	0	0.0	
Rapids	8	178	4.6	0.29	783	6.50%	0	0.0	
Cascades	3	81	2.6	0.17	271	2.25%	0	0.0	
Step/Falls	11	63	5.0	0.19	313	2.60%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

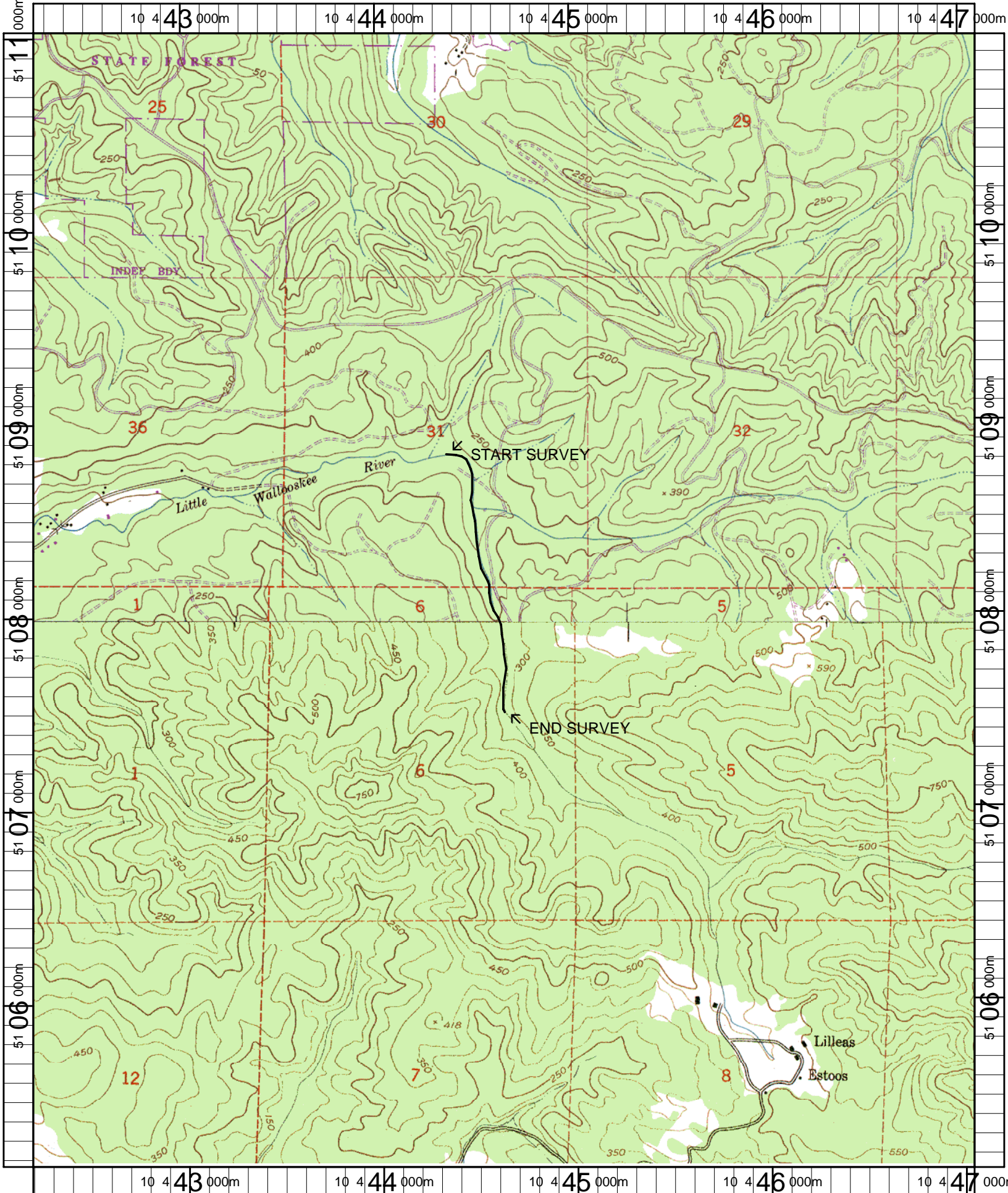
POOL SUMMARY			
	<u>Total</u>	Total of all Channel Lengths	Primary Channel Length
		<u># / Km</u>	<u># / Km</u>
All Pools:	71	28.0	28.6
Pools >=1m deep:	15	5.9	6.0
Complex pools (LWD pieces>=3):	37	14.6	14.9
Pool frequency (channel widths/pool):	5.4		
Residual pool depth (avg):	0.61		

# Comment Summary

## Restoration Monitoring Sites 2007

MONITORING AREA: 1-NC      SITE ID: 366      LITTLE WALLOOSKEE RIVER POST-T

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR
7	RI	00	125.4		YELLOW SIGN SAYS 306° TO SITE
8	LP	00	162.4	/SS	
10	RI	00	230.4		FLAGGING INDICATES HAB WOOD
16	LP	00	344.9	/SS	
33	LP	00	695.9		HAB SITES 14 N 15 ARE DOWNSTRM
38	LP	00	794.5	SS/	
42	SC	00	862		ODFW SITE 18 FLAG.
44	LP	00	931.5	SS/	
53	LP	00	1080.7		ODFW SIGN SAYS NO WOOD PLACED
64	SL	00	1296.2	/SS	
71	RI	00	1442.2	SS/	
83	LP	00	1666.2	SS/	
94	RI	00	1850.9		FLAGGING SAYS SITE 40.
98	RI	11	1890.7	TJ/	ACW=1.7.
102	CB	11	1936.2	/TJ	ACW=1.0M
104	RI	00	2007.2		FLAGGING SAYS SITE 43.
105	SL	00	2008.2		SITE 44 FLAGGING
107	RP	11	2021.5	/TJ	ACW=0.8M. TEMP=8.0°C.
111	LP	00	2087.7	SS/	
120	RI	00	2258.5		OLD ROAD CROSSING
123	LP	00	2322	/SS	



Name: CATHLAMET BAY  
 Date: 4/25/2007  
 Scale: 1 inch equals 2000 feet

Location: 10 0444642 E 5108077 N  
 Caption: LITTLE WALLOOSKEE RIVER RESTORATION SITE -  
 COLUMBIA/YOUNGS BAY BASIN