ODFW AQUATIC INVENTORY PROJECT

OREGON PLAN FOR SALMON & WATERSHEDS

STREAM RESTORATION HABITAT REPORT

STREAM:	Lampa Creek Tributary (MS-326)
BASIN:	Coquille River
SURVEY TYPE:	Pre-Tx
DATE:	February 28, 2006
SURVEY CREW:	Scott Venables, Seth Ring
REPORT PREPARED BY:	Paul Jacobsen
BASIN AREA:	6.1 km^3
USGS MAPS:	Bill Peak
ECOREGION:	Coast Range Coastal Lowlands

GENERAL DESCRIPTION:

The Lampa Creek Tributary habitat survey extended 662 meters. The channel was unconstrained in a broad valley floor. The average valley width index was 33.7 (range: 8.5-50.0). Land use for the reach was light grazing and young (3-15 cm dbh) trees. The average unit gradient was 0.5 percent. Scour pools (51%) and beaver pools (39%) dominated stream habitat. Silt (97%) dominated stream substrate. Wood volume was very low at 0.5 m^3/100m.

COMMENTS:

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

OREGON DEPT OF FISH AND WILDLIFE **LAMPA CREEK TRIBUTARY PRE-TX (3-MS, 326)**

HABITAT INVENTORY Report Date: 12/6/2006 Survey Date: 2/28/2006

REACH 1 **T28S-R13W-S32NW** **REACH 1**

Valley and Channel Summary

Valley Characteristics (Percent Reach Length)

Narrow Valley Floor		Broad Valley Floor	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%

Valley Width Index 33.7 VWI Range: 8.5 - 50

Channel Morphology (Percent Reach Length)

Constrained		Unconstrained	
Hillslope	0%	Single Channel	100%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

Type	Length (m)	Area (m2)	Dry Units
Primary Channel	662	1,166	0
Secondary Channel	0	0	0
Off-Channel Units	178	436	0

Channel Dimensions (m)

Wetted		Active		Floodprone *n* = 5	First Terrace *n* = 5
Width:	1.7	Width:	7.4	100.7 (49.3 - 185.9)	110.3 (61 - 191.7)
Depth:	0.55	Height:	0.7	1.5 (1.3 - 1.6)	2.4 (1.6 - 3.3)

W:D ratio: 10.5
Stream Flow Type: MF
Average Unit Gradient: 0.5%
Water temperature (°C): 8.5 - 8.5

Entrenchment (ACW:FPW ratio): 32.4
Habitat Units/100m (total channel length): 6.1
Habitat Units/100m (primary channel length): 7.7

Riparian, Bank, and Wood Summary

	Primary	Secondary
Land Use:	LG	YT
Riparian Vegetation:	G	S

Bank Condition and Shade

Bank Status	Percent Reach Length	Shade (% of 180)
Actively Eroding:		Reach avg:
Undercut Banks:		Range: -

Large Wood Debris

	Total	Total / 100m primary channel
All pieces (>=3m x 0.15m):	18	2.7
Volume (m^3):	4	0.5
Key pieces (>=12m x 0.60m):	0	0.0

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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
CULVERT CROSSING	2	10	1.1	0.13	11	0	100	0	0	0	0	0
POOL-BEAVER DAM	3	89	7.1	0.87	617	0	100	0	0	0	0	0
POOL-LATERAL SCOUR	30	550	1.2	0.69	750	0	99	0	1	0	0	0
POOL-PLUNGE	2	11	0.9	0.60	10	0	100	0	0	0	0	0
POOL-TRENCH	1	39	1.3	0.70	50	0	100	0	0	0	0	0
RIFFLE	10	141	1.0	0.23	153	0	91	0	6	0	0	4
STEP/BEAVER DAM	2	1	7.6	0.05	10	0	100	0	0	0	0	0
STEP/LOG	1	1	1.0	0.10	1	0	95	0	5	0	0	0
Total:	51	840	1.7	0.55	1,602	0	**Avg:** 97	0	2	0	0	1

HABITAT SUMMARY

Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m^2)	Wetted Area Percent	Large Boulders Number	Large Boulders (# / $100m^2$)
Dammed & BW Pools	3	89	7.1	0.87	617	38.51%	0	0.0
Scour Pools	33	599	1.2	0.69	811	50.60%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	10	141	1.0	0.23	153	9.58%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	3	2	5.4	0.07	10	0.63%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	2	10	1.1	0.13	11	0.68%	0	0.0

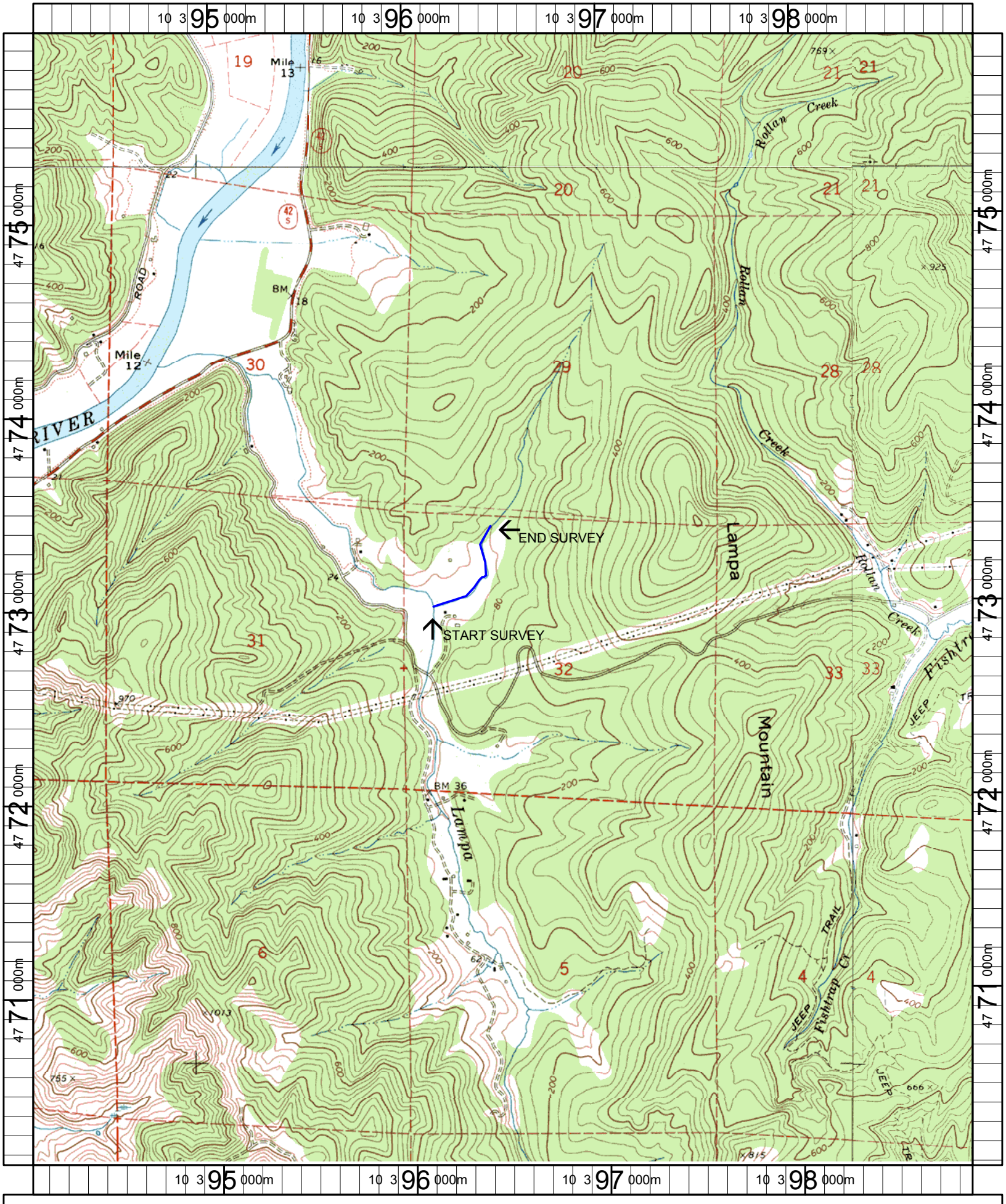
POOL SUMMARY

	Total	Total of all Channel Lengths # / Km	Primary Channel Length # / Km
All Pools:	36	42.8	54.3
Pools >=1m deep:	1	1.2	1.5
Complex pools (LWD pieces>=3):	3	3.6	4.5
Pool frequency (channel widths/pool):	3.2		
Residual pool depth (avg):	0.45		

Comment Summary
Restoration Monitoring Sites 2006

MONITORING AREA: 3-MS SITE ID: 326 LAMPA CREEK TRIBUTARY PRE-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	TP	00	38.6		T = 8.5 AT 9am	
6	CC	00	78.4	CC	.85m WIDE x 3.8m LONG	
8	LP	01	121.3	/TJ		
9	LP	11	121.3		ACW = 2.2, T = 8.0 AT 10:40	
20	LP	01	259	TJ/		
21	RI	11	259		T = 8.0 AT 1:20 pm	
22	LP	11	259		ACW = 3.1	
23	RI	00	269.1		SIX INCH FISH	
29	SL	01	331.75		H = 0.35	
30	LP	11	331.75	/TJ		
31	RI	11	331.75		ACW = 1.0, T = 8.5	
33	LP	01	362.35	TJ/	HARDPAN	
34	RI	11	362.35		HARDPAN	
35	LP	11	362.35		ACW = 1.0, T = 9.5	
41	LP	00	498.85	/SS		
43	CC	00	529.85	CC	1.3m HIGH x 1.3m WIDE	
47	SD	00	594.4	BD	H = 0.6	
48	BP	00	630	BV		
49	SD	01	630.45	TJ/, BD	H = 0.45	
50	BP	01	662.45	BV	SALAMANDER EGGS	
51	BP	11	662.45	BV		



Name: BILL PEAK
Date: 1/19/2006
Scale: 1 inch equals 2000 feet

Location: 10 396483 E 4773033 N
Caption: LAMPA CREEK TRIBUTARY RESTORATION SITE - COQUILLE BASIN