

REACH 1

T27S-R11W-S5NE

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	10.0	VWI Range:	10 - 10

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	233	498	0
Secondary	16	23	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.1	Width	4.5	6.6	12.9
Depth	0.24	Height	0.6	1.2	3.1
		W:D ratio	7.5	Entrenchment	1.6
Stream Flow Type:	LF	Water temp (C):		12.5 - 12.5	
Avg. Unit Gradient:	1.1%	Habitat Units/100m:		12.5	

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	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:	8%	Reach avg: 92%
Undercut Banks:	17%	Range: 81 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	54	23.2
Volume (m ³):	57	24.3
Key pieces (>=10m x 0.60m):	2	0.9

OREGON DEPARTMENT OF FISH AND WILDLIFE UNNAMED TRIB - NF COQUILLE PRE (MS-168)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/15/02

REACH 1		T27S-R11W-S5NE					REACH 1						
HABITAT DETAIL													
Habitat Type	Number	Total	Avg	Avg	Total	Large	Substrate						
	Units	Length	Width	Depth	Area	Boulders	Percent Wetted Area						
		(m)	(m)	(m)	(m ²)	(>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
POOL-BACKWATER	1	5	2.5	0.40	11	0	15	15	70	0	0	0	
POOL-LATERAL SCOUR	14	133	2.8	0.41	342	0	12	16	69	1	0	2	
RIFFLE	11	95	1.4	0.05	145	0	8	15	73	2	0	1	
RIFFLE W/ POCKETS	1	13	1.5	0.15	20	0	10	14	62	0	0	14	
STEP/COBBLE	1	3	1.0	0.10	3	0	6	11	67	17	0	0	
STEP/LOG	1	1	0.5	0.05	0	0	5	11	79	5	0	0	
Total:	29	249	2.1	0.24	521	0	Avg 10	15	71	2	0	2	

HABITAT SUMMARY								
Habitat Group	Number	Total	Avg	Avg	Wetted Area		Large Boulders	
	Units	Length	Width	Depth	(m ²)	Percent	Number	(# / 100m ²)
		(m)	(m)	(m)				
Dammed & BW Pools	1	5	2.5	0.40	11	2.16%	0	0.0
Scour Pools	14	133	2.8	0.41	342	65.72%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	12	108	1.5	0.06	165	31.59%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	2	3	0.8	0.08	3	0.53%	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	64.4
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	9	38.6
Pool frequency (channel widths/pool):	3.7	
Residual pool depth (avg):	0.37	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1	REACH 1
Summary of Riparian Zone (0-30m) 2 transects	
Total hardwoods/1000	1250
Total conifers/1000 ft	213
Total conifers >20" dbh/1000 ft	61
Total conifers >35" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	0.5	0.5	3.0	0.5	4.0	1.0	7.5
15-30cm	0.0	2.5	0.5	1.0	1.0	2.0	1.5	5.5
30-50cm	0.0	3.5	0.0	0.5	0.0	1.5	0.0	5.5
50-90cm	1.0	0.5	0.0	0.5	0.0	1.0	1.0	2.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	1.0	7.0	1.0	5.0	1.5	8.5	1.2	6.8

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	68	61	71
Shrub cover	60	41	33
Grass/forb cover	35	36	46

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	0	0	0
High terrace	100	100	100
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	0	0
Riprap	0	0	0
Surface slope (%)	2	3	1

RIPARIAN ZONE VEGETATION

Reach 1

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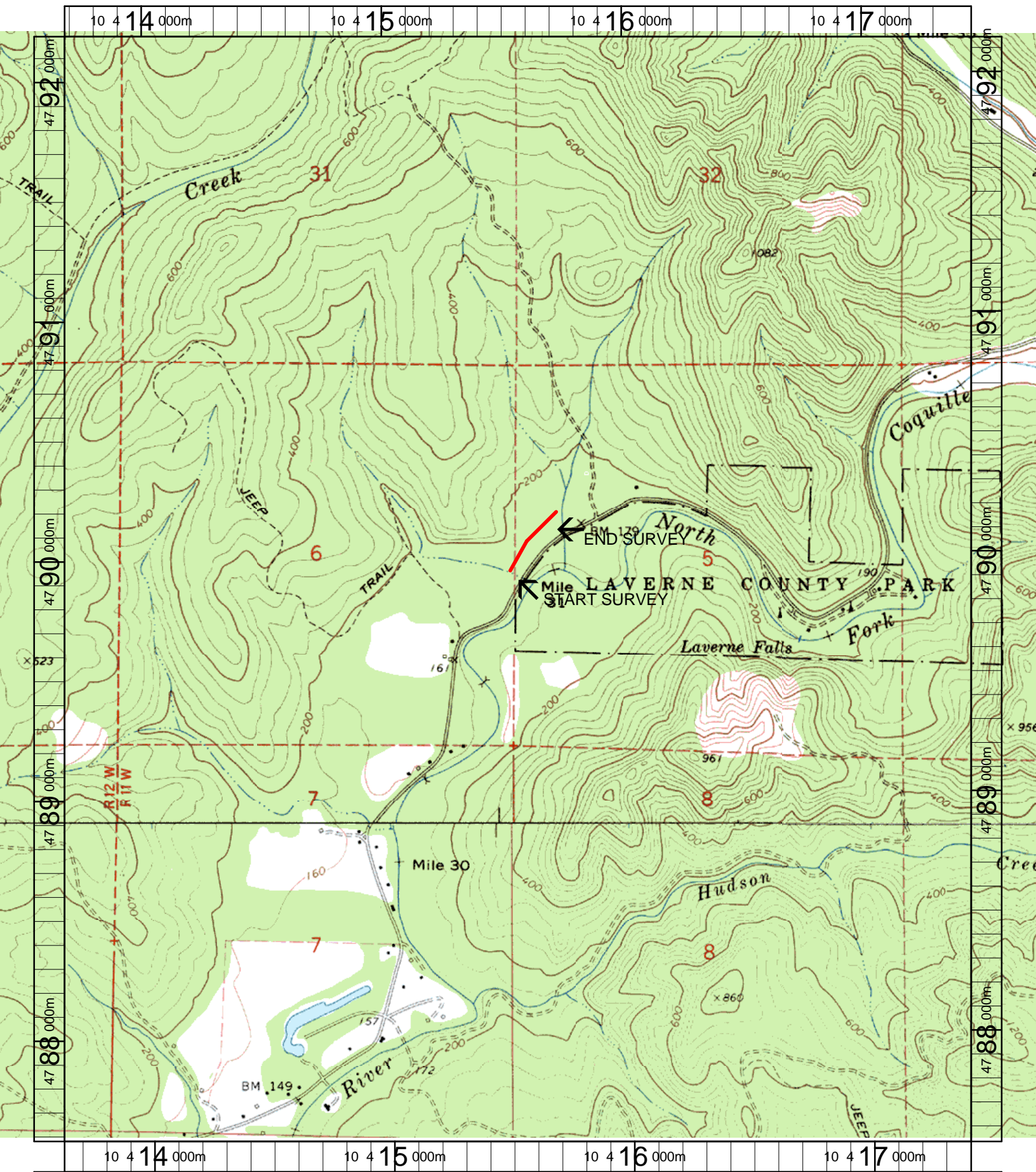
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
16	LF	1	HT	2	75	60	30	Conifer						ALDERS
								Hardwood	1	2	3			
16	LF	2	HT	1	95	40	30	Conifer						SALMONBERRY, ALDERS, FFRNS
								Hardwood	4		1	1		
16	LF	3	HT	3	85	20	70	Conifer						
								Hardwood			2	1		
16	RT	1	HT	5	60	80	20	Conifer						
								Hardwood				1		
16	RT	2	HT	5	20	30	70	Conifer						
								Hardwood	1					
16	RT	3	HT	0	10	30	70	Conifer						OLD ROADBED
								Hardwood						
29	LF	1	HT	0	70	10	80	Conifer						
								Hardwood			4			
29	LF	2	HT	5	90	5	35	Conifer	1	1				
								Hardwood	1					
29	LF	3	HT	0	100	5	25	Conifer	1	2				
								Hardwood	8	3	1			
29	RT	1	HT	0	65	90	10	Conifer					2	
								Hardwood		3				
29	RT	2	HT	0	40	90	10	Conifer						
								Hardwood		2				
29	RT	3	HT	0	90	75	20	Conifer						
								Hardwood		1		1		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 3-MS SITE ID: 168 UNNAMED TRIB - NF COQUILLE PRE

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RI	00	9.9			5 TO 10 JUVENILE COHO
5	LP	00	42.5		CT	
6	RI	00	49.9			JUVENILE COHO
10	LP	00	74.7		LOTS OF COHO	20 TO 30 JUVENILE COHO
16	LP	00	112.3		RIPARIAN	
17	LP	00	118.6		SHADED BY SALMONBER	
20	SC	00	135.8		H = .3	
21	LP	00	147.2	CE/		NOT FUNCTIONAL
22	SL	00	147.7		H = .4	
24	LP	00	162.7	/TJ		DRY TRIB - ACW = 1.5
25	RI	00	174.1			WHITE/RED FLAG "4 LOGS"
26	LP	00	199.6			JUVENILE COHO
28	LP	00	219.9			TWO POOLS
29	RP	00	232.9		RIPARIAN	END SURVEY - FLAG RIGHT



Name: DANIELS CREEK
 Date: 3/21/2003
 Scale: 1 inch equals 1666 feet

Location: 10 415536 E 4789867 N
 Caption: UNNAMED TRIB OF NF COQUILLE (BLUE CREEK)
 RESTORATION SITE - NF COQUILLE BASIN