

REACH 1

T25S-R10N-S25NE

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	5.9	VWI Range:	2 - 10

Channel Morphology (Percent Reach Length)

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

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	554	1,569	0
Secondary	49	125	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.6	Width	6.0	7.8	14.3
Depth	0.29	Height	0.6	1.2	2.4
		W:D ratio	10.2	Entrenchment	1.3
Stream Flow Type:	LF	Water temp (C): 15.5 - 15.5			
Avg. Unit Gradient:	1.6%	Habitat Units/100m: 7.8			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	TH
Riparian Vegetation:	D15	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	8%	Reach avg: 84%
Undercut Banks:	10%	Range: 36 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	120	21.7
Volume (m ³):	120	21.8
Key pieces (>=10m x 0.60m):	3	0.5

OREGON DEPARTMENT OF FISH AND WILDLIFE

FALL CREEK TRIB A PRE-TX (MS-162)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/16/02

REACH 1		T25S-R10N-S25NE					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	
CULVERT CROSSING	1	22	3.0	0.10	66	1	6	18	24	47	6	0	
POOL-BACKWATER	1	5	2.5	0.35	11	4	23	38	15	8	15	0	
POOL-DAMMED	2	22	7.0	0.60	179	6	10	17	27	37	10	0	
POOL-LATERAL SCOUR	15	222	3.1	0.54	645	18	11	17	52	9	3	9	
POOL-PLUNGE	1	5	2.0	0.60	11	2	10	19	57	5	10	0	
RAPID/BEDROCK	1	32	3.5	0.08	111	0	5	5	20	5	0	65	
RIFFLE	12	201	2.1	0.10	426	15	6	15	66	8	4	1	
RIFFLE W/ POCKETS	4	82	2.8	0.12	234	31	6	14	61	10	7	1	
STEP/COBBLE	1	2	0.5	0.12	1	0	5	10	80	5	0	0	
STEP/LOG	5	10	1.0	0.07	11	8	6	17	61	10	4	2	
Total:	43	603	2.6	0.29	1,694	85	Avg	8	16	55	11	4	5

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	3	27	5.5	0.52	190	11.22%	10	5.3	
Scour Pools	16	227	3.0	0.54	656	38.71%	20	3.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	16	283	2.3	0.10	660	38.94%	46	7.0	
Rapids	1	32	3.5	0.08	111	6.55%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	6	12	1.0	0.08	12	0.69%	8	68.7	
Dry	0	0			0	0.00%	0	0.0	
Culverts	1	22	3.0	0.10	66	3.90%	1	1.5	

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	19	34.3
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	7	12.6
Pool frequency (channel widths/pool):	5.3	
Residual pool depth (avg):	0.45	

RIPARIAN ZONE VEGETATION SUMMARY

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Summary of Riparian Zone (0-30m) 3 transects

Total hardwoods/1000	853
Total conifers/1000 ft	813
Total conifers >20" dbh/1000 ft	183
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	5.3	0.0	0.0	2.0	1.3	2.0	6.7
15-30cm	0.0	3.7	1.7	1.3	3.0	1.0	4.7	6.0
30-50cm	0.7	0.3	1.0	0.7	2.0	0.0	3.7	1.0
50-90cm	0.7	0.3	0.7	0.0	1.7	0.0	3.0	0.3
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	1.3	9.7	3.3	2.0	8.7	2.3	4.4	4.7

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	75		77		88	
Shrub cover	8		3		0	
Grass/forb cover	78		61		55	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	33		33		67	
High terrace	50		33		33	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	17		33		0	
Riprap	0		0		0	
Surface slope (%)	14		14		23	

RIPARIAN ZONE VEGETATION

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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		
12	LF	1	HT	4	75	5	85	Conifer							
								Hardwood	2	3	1				
12	LF	2	HT	4	85	0	85	Conifer					2		
								Hardwood		1	1				
12	LF	3	HT	4	95	0	70	Conifer		1					
								Hardwood	4	3					
12	RT	1	HT	4	80	15	80	Conifer							
								Hardwood	1	2					
12	RT	2	RB	0	60	0	30	Conifer		2	1				
								Hardwood							
12	RT	3	HS	20	90	0	45	Conifer	1	3	1				
								Hardwood							
21	LF	1	HT	10	90	5	90	Conifer				1	1		
								Hardwood	6	1					
21	LF	2	HT	10	90	5	90	Conifer		1					
								Hardwood		3	1				
21	LF	3	HT	5	70	0	90	Conifer				1	3		
								Hardwood							
21	RT	1	RB	0	35	0	35	Conifer						1	
								Hardwood		1					
21	RT	2	HS	35	70	15	70	Conifer				1			
								Hardwood							
21	RT	3	HS	35	95	0	50	Conifer	3	2			1		
								Hardwood							
31	LF	1	HS	40	85	10	85	Conifer							EST. DUE TO SLOPE
								Hardwood	7						
31	LF	2	HS	35	100	0	65	Conifer		1	1				
								Hardwood							
31	LF	3	HS	35	100	0	40	Conifer	2	3	2				
								Hardwood							
31	RT	1	HS	28	85	10	90	Conifer				1			
								Hardwood		4			1		
31	RT	2	RB	0	55	0	25	Conifer		1					
								Hardwood							
31	RT	3	HS	38	75	0	35	Conifer				2	1		
								Hardwood							

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **3-MS** SITE ID: **162** FALL CREEK TRIB A PRE-TX (MS-16)

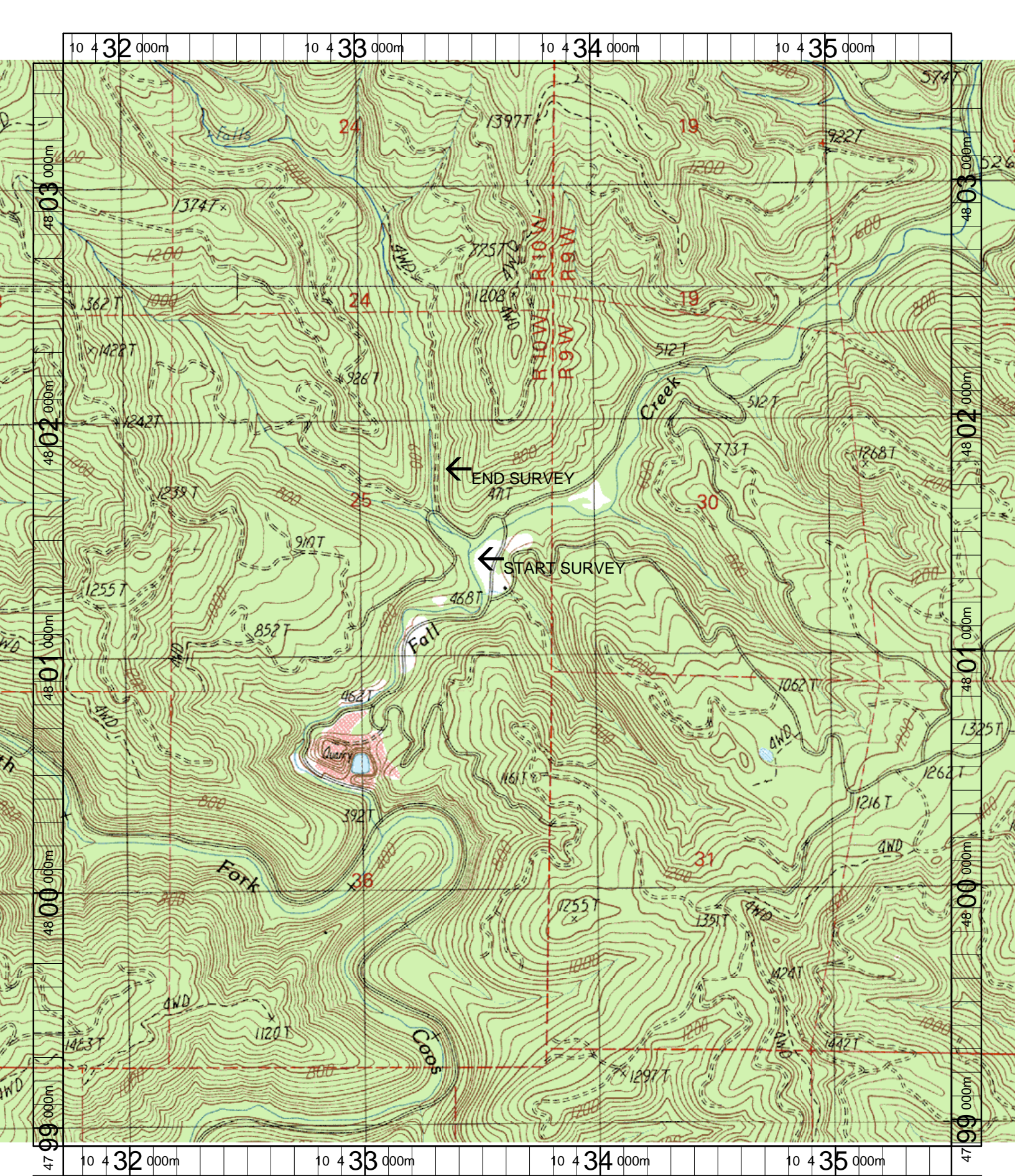
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RR	00	31.7		SHADE BY ALDER & MYR	
2	RI	00	52			JUV. COHO
3	LP	00	63.7	DJ		
4	SL	00	68.2		H = .5M	
5	LP	00	75.5			JUV. COHO
9	RI	02	114.8			JUV. COHO
11	RI	00	132.3		TAKEN AT BOTTOM OF U	/BW, ORANGE ALGAL GROW
12	LP	00	147.8			RIP 1
13	RP	00	166.1			/BW
14	LP	00	193.6			5" COHO
16	RP	01	237.1	/TJ		
17	RP	11	237.1			TEMP = 20C
19	CC	00	276.4		D = 3.5M	NO DROP
21	LP	00	297.7			RIP 2
23	SL	00	309.1		H = .4M	LOG AS SUBSTRATE
27	SL	00	333		H = .5M	
28	LP	00	346.9			JUV. COHO
29	SL	00	347.9		H = .3M	
31	LP	00	380.7		/CT, /RB	JUV. COHO
32	RI	01	415.7			DEBRIS SLIDE
33	BW	10	415.7	DJ		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 3-MS SITE ID: 162 FALL CREEK TRIB A PRE-TX (MS-16)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
34	RI	00	440.8			HS ON RIGHT
35	DP	00	448	WL		LARGE ELK FOOTPRINTS
38	LP	00	476.3			BW/
39	RI	00	486.7			/BW
41	DP	00	520.6	DJ		
42	RI	00	538.7	DJ		
43	LP	00	553.7			END ON ALDER RIGHT



Name: TIOGA
Date: 3/20/2003
Scale: 1 inch equals 1666 feet

Location: 10 433623 E 4801212 N
Caption: FALL CREEK TRIBUTARY A RESTORATION SITE - COOS
BASIN