

REACH 1

T25S-R09W-S20SW

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	6.8	VWI Range:	1.5 - 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	574	1,570	0
Secondary	42	82	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.5	Width	5.6	7.2	18.8
Depth	0.28	Height	0.6	1.2	3.1
		W:D ratio	9.6	Entrenchment	1.3
Stream Flow Type:	LF	Water temp (C):		13.5 - 13.5	
Avg. Unit Gradient:	1.7%	Habitat Units/100m:		9.2	

Riparian, Bank, and Wood Summary

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	3%	Reach avg: 90%
Undercut Banks:	18%	Range: 44 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	119	20.7
Volume (m ³):	81	14.1
Key pieces (>=10m x 0.60m):	1	0.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

FALL CREEK TRIB B PRE-TX (MS-163)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/16/02

REACH 1		T25S-R09W-S20SW					REACH 1					
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	1	17	2.0	0.10	33	0	10	20	50	10	10	0
POOL-DAMMED	1	20	3.5	0.60	70	30	14	19	38	14	14	0
POOL-ISOLATED	1	4	1.0	0.20	4	0	5	16	74	5	0	0
POOL-LATERAL SCOUR	19	214	2.7	0.47	614	19	11	16	55	10	2	7
POOL-PLUNGE	4	47	4.1	0.60	193	12	10	14	49	10	6	12
RAPID/BEDROCK	2	39	2.5	0.13	91	4	6	12	27	8	3	45
RIFFLE	17	234	2.2	0.10	563	18	7	14	60	15	4	0
RIFFLE W/ POCKETS	1	16	2.0	0.15	32	2	5	16	42	21	5	11
STEP/BEDROCK	2	8	2.8	0.10	27	2	5	5	14	0	2	74
STEP/COBBLE	2	7	2.8	0.07	15	0	5	13	77	5	0	0
STEP/LOG	2	10	0.5	0.02	5	1	6	17	70	6	3	0
STEP/STRUCTURE	1	3	1.2	0.12	3	0	12	18	50	10	10	0
Total:	53	616	2.5	0.28	1,652	88	Avg 9	15	54	11	4	8

HABITAT SUMMARY								
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m ²)	Percent	Number	(# / 100m ²)
Dammed & BW Pools	2	24	2.3	0.40	74	4.50%	30	40.3
Scour Pools	23	261	3.0	0.49	808	48.89%	31	3.8
Glides	0	0			0	0.00%	0	0.0
Riffles	18	250	2.2	0.11	596	36.05%	20	3.4
Rapids	2	39	2.5	0.13	91	5.52%	4	4.4
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	7	27	1.9	0.07	50	3.05%	3	6.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	17	2.0	0.10	33	2.00%	0	0.0

POOL SUMMARY

	Total	# / Km
All Pools:	25	43.5
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	7	12.2
Pool frequency (channel widths/pool):	4.4	
Residual pool depth (avg):	0.41	

RIPARIAN ZONE VEGETATION SUMMARY

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

Total hardwoods/1000	589
Total conifers/1000 ft	1118
Total conifers >20" dbh/1000 ft	142
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	2.0	0.7	0.0	1.3	2.0	2.0	4.0
15-30cm	1.3	3.0	1.0	0.0	4.0	0.3	6.3	3.3
30-50cm	0.7	2.0	3.0	0.0	4.0	0.0	7.7	2.0
50-90cm	0.0	0.3	1.3	0.0	1.0	0.0	2.3	0.3
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	2.0	7.3	6.0	0.0	10.3	2.3	6.1	3.2

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	72	80	88
Shrub cover	1	0	0
Grass/forb cover	83	71	36

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	67	33	67
High terrace	33	50	17
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	17	17
Riprap	0	0	0
Surface slope (%)	15	6	15

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		
15	LF	1	HT	5	55	5	90	Conifer							
								Hardwood		2			1		
15	LF	2	HT	1	90	0	85	Conifer			4				
								Hardwood							
15	LF	3	RB	0	90	0	40	Conifer		1	1				
								Hardwood							
15	RT	1	HS	13	30	0	95	Conifer		1					
								Hardwood							
15	RT	2	HS	11	85	0	85	Conifer					1		
								Hardwood							
15	RT	3	HS	9	95	0	50	Conifer	2	3			1		
								Hardwood							
23	LF	1	HS	20	85	0	90	Conifer							
								Hardwood	1	2	2				
23	LF	2	RB	0	60	0	35	Conifer				2	1		
								Hardwood							
23	LF	3	HS	40	50	0	70	Conifer				1			
								Hardwood							
23	RT	1	HS	10	85	0	90	Conifer					2		
								Hardwood	3		4				
23	RT	2	HS	8	80	0	70	Conifer	2	1	1	1			
								Hardwood							
23	RT	3	HS	11	95	0	5	Conifer	2	5	3				
								Hardwood							
33	LF	1	HS	31	80	0	40	Conifer		3					
								Hardwood							
33	LF	2	HT	7	80	0	55	Conifer		2	1				
								Hardwood							
33	LF	3	HT	-5	100	0	15	Conifer		2	5	2			
								Hardwood							
33	RT	1	HT	8	95	0	90	Conifer							
								Hardwood	2	5					
33	RT	2	HT	8	85	0	95	Conifer				1	1		
								Hardwood							
33	RT	3	HS	35	95	0	35	Conifer			1	2		ALDER	
								Hardwood	6	1					

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **3-MS** SITE ID: **163** **FALL CREEK TRIB B PRE-TX (MS-16)**

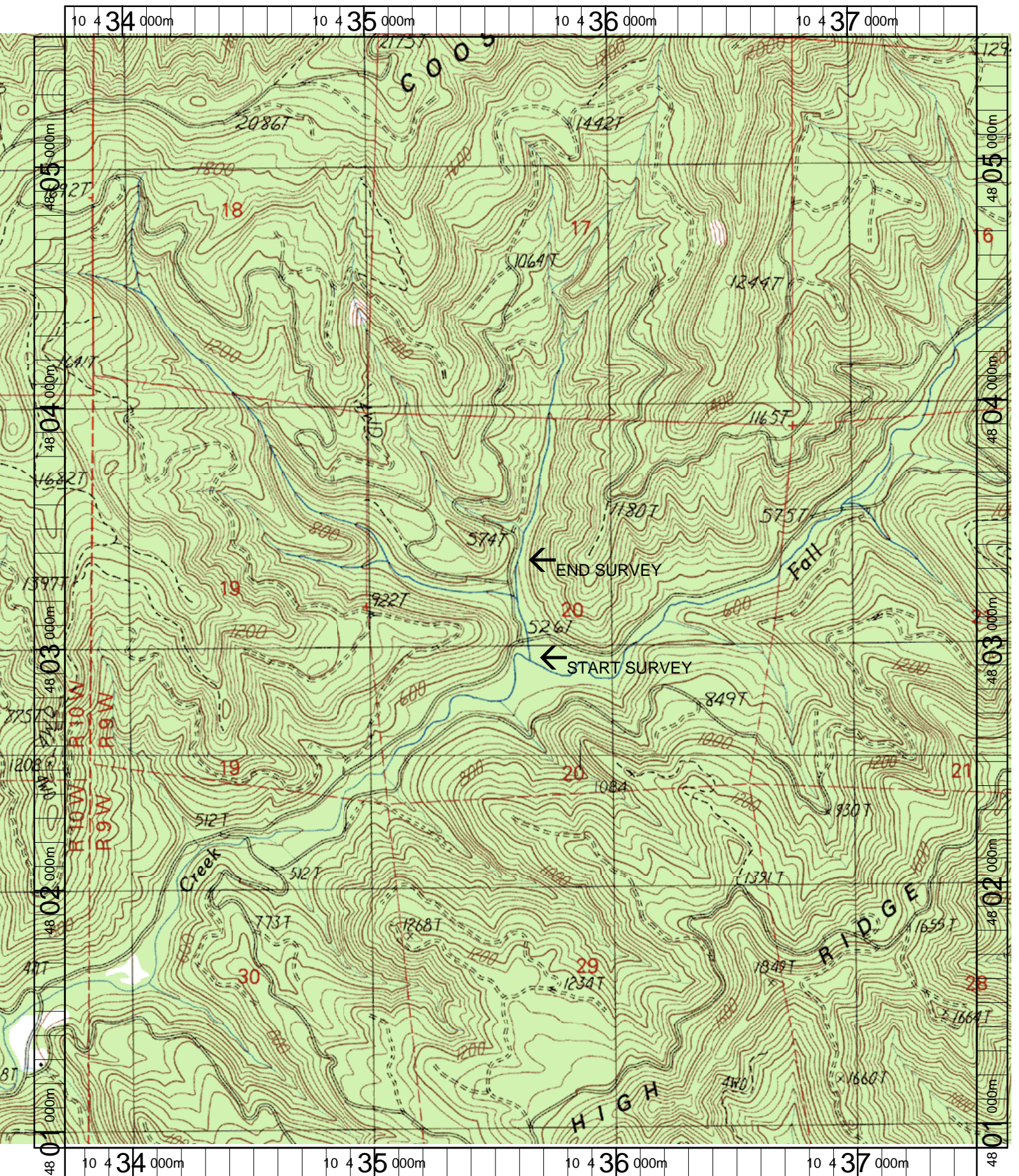
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RI	00	9.3		START SURVEY AT CONF	START SURVEY
3	RI	00	35.7	IP/	COHO	
4	LP	00	48.9			COHO
9	SS	00	104.6		H=.4	
10	CC	00	121.1	CC	CULVERT	OLD CC-NO SUBSTRATE
11	DP	00	141.2	CS		RIPRAP
13	LP	00	155.1	CS/	RIP #1	
15	LP	00	179.7	DJ		
17	LP	00	203	/DJ		
18	LP	00	221.4		CONIFERS AND MULTI TE	JUV COHO
20	LP	00	233.3		COHO	
23	RI	00	276.2	BW/	PHOTO	
26	SR	00	312.7		H=1.2M	LOTS OF SNAILS
27	RR	01	326.3	TJ/	TJ	
28	RI	11	326.3			TRIB UNIT T=14C
32	RR	00	397.5			COHO
33	PP	00	410.1		RIP #3	RIP#3
34	SR	00	412.6		H=.25	
41	SL	01	476.7	DJ	H=1.0M	
42	RI	01	489.3	/BW		
45	SL	02	503.2		H=2M	

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 3-MS SITE ID: 163 FALL CREEK TRIB B 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>
46	IP	10	503.2			COHO
53	PP	00	574.3		END SURVEY	END SIGN ON RIGHT



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

Location: 10 435623 E 4803223 N
 Caption: FALL CREEK TRIBUTARY B RESTORATION SITE - COOS BASIN