

REACH 1

T30S-R11W-S09NW

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	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index 1.9		VWI Range: 1 - 4	

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	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	595	8,368	0
Secondary	88	231	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	9.3	Width	18.7	20.9	27.5
Depth	0.43	Height	0.9	1.7	6.3
		W:D ratio	22.0	Entrenchment	1.1
Stream Flow Type:	MF	Water temp (C): 20.0 - 20.0			
Avg. Unit Gradient:	0.4%	Habitat Units/100m: 4.9			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	RR
Riparian Vegetation:	M30	M15

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:		Reach avg: 86%
Undercut Banks:	1%	Range: 72 - 97

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	10	1.7
Volume (m ³):	1	0.2
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

MYRTLE CREEK PRE-TX (MS-144)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/11/02

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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	
GLIDE	3	68	12.0	0.17	922	31	1	30	52	6	7	4	
POOL-BACKWATER	3	57	3.2	0.14	188	1	0	56	26	15	2	2	
POOL-DAMMED	1	75	15.0	0.80	1,130	25	4	38	38	4	8	8	
POOL-ISOLATED	4	14	1.3	0.19	19	0	0	32	56	5	0	7	
POOL-LATERAL SCOUR	8	290	14.9	0.98	4,526	63	1	48	23	11	10	7	
POOL-PLUNGE	2	19	6.0	0.50	122	12	0	33	38	10	5	15	
RIFFLE	6	142	9.1	0.17	1,552	28	0	22	45	15	6	12	
STEP/BEDROCK	1	1	10.0	0.05	6	1	0	5	5	0	0	90	
STEP/COBBLE	1	17	8.0	0.20	137	5	0	22	22	33	22	0	
Total:	29	682	9.3	0.43	8,600	166	Avg	0	36	36	11	6	10

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	8	146	3.7	0.25	1,336	15.53%	26	1.9
Scour Pools	10	309	13.1	0.89	4,647	54.04%	75	1.6
Glides	3	68	12.0	0.17	922	10.72%	31	3.4
Riffles	6	142	9.1	0.17	1,552	18.04%	28	1.8
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	2	18	9.0	0.13	143	1.66%	6	4.2
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	18	30.3
Pools >=1m deep:	2	3.4
Complex pools (LWD pieces>=3):	0	0.0
Pool frequency (channel widths/pool):	2.0	
Residual pool depth (avg):	0.52	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	1422
Total conifers/1000 ft	488
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	1.0	6.3	0.0	2.0	1.3	3.0	2.3	11.3
15-30cm	0.0	4.7	1.3	0.3	1.3	4.3	2.7	9.3
30-50cm	0.7	2.7	0.0	0.0	0.0	0.0	0.7	2.7
50-90cm	0.0	0.0	0.7	0.0	1.7	0.0	2.3	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	1.7	13.7	2.0	2.3	4.3	7.3	2.7	7.8

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	78		65		64	
Shrub cover	42		39		49	
Grass/forb cover	40		35		28	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	67		67		67	
High terrace	33		33		33	
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 (%)	36		27		28	

RIPARIAN ZONE VEGETATION

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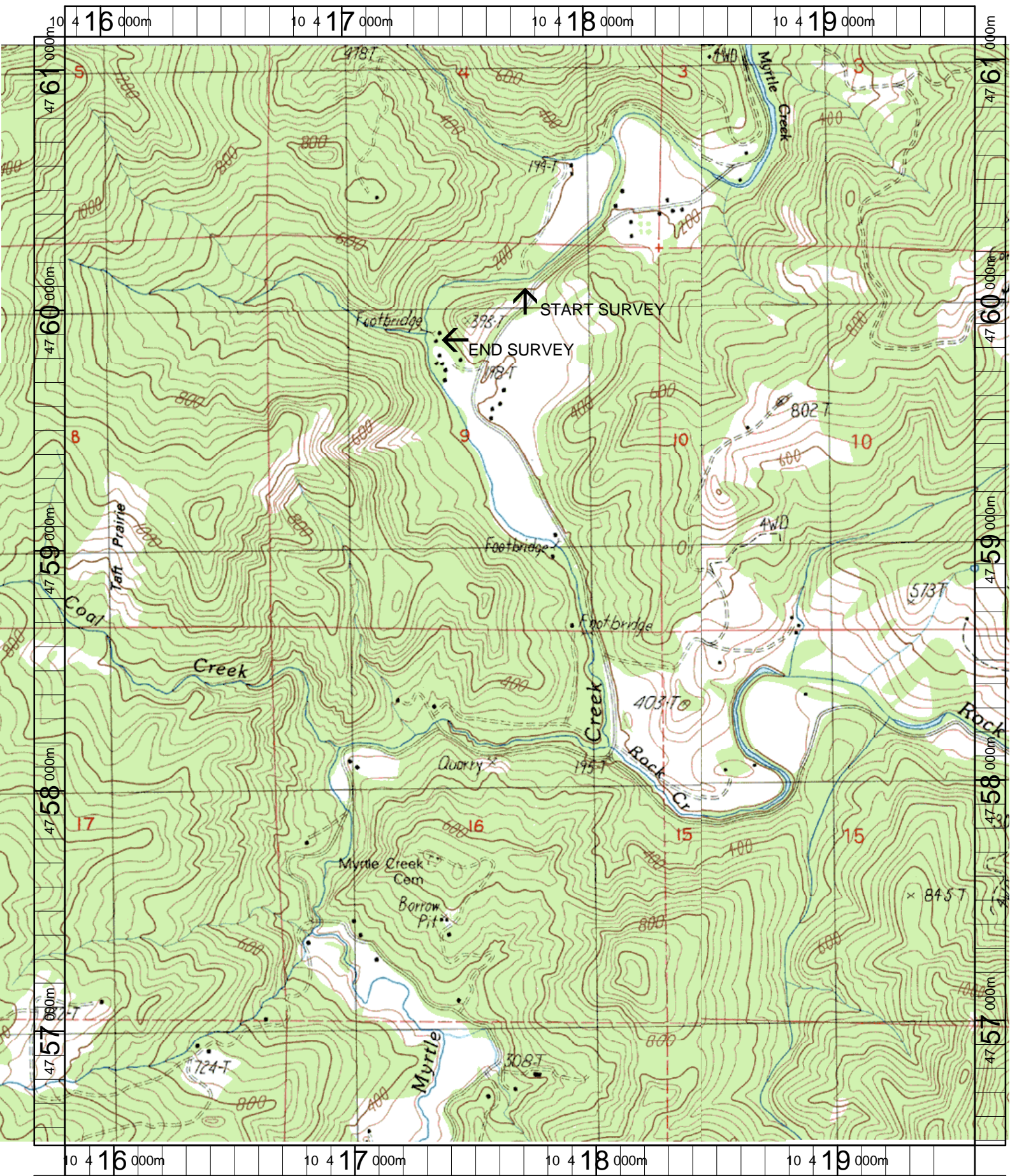
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
7	LF	1	HS	60	80	20	60	Conifer			1				
								Hardwood	2	2					
7	LF	2	HS	50	60	80	5	Conifer							
								Hardwood							
7	LF	3	HS	50	85	80	10	Conifer		2					
								Hardwood		2					
7	RT	1	HT	5	90	60	30	Conifer				1			
								Hardwood		8	6				
7	RT	2	HT	0	15	20	80	Conifer							SHED IN BACKGROUND
								Hardwood							
7	RT	3	HT	0	0	10	90	Conifer							
								Hardwood							
12	LF	1	HS	70	95	10	65	Conifer							
								Hardwood		1	1				
12	LF	2	HS	35	70	15	60	Conifer					2		
								Hardwood	1						
12	LF	3	HS	15	75	80	10	Conifer					2		
								Hardwood	1	5					
12	RT	1	HS	40	100	5	40	Conifer							
								Hardwood	5						
12	RT	2	HS	40	95	30	20	Conifer							
								Hardwood	5	1					
12	RT	3	HS	55	90	70	20	Conifer	1	2					1.5 CEDAR STUMP
								Hardwood	7	4					
19	LF	1	HT	10	40	80	20	Conifer	2						EST. DUE TO BBERRY
								Hardwood	4						
19	LF	2	HT	0	90	5	30	Conifer		4					
								Hardwood							
19	LF	3	HT	0	55	5	20	Conifer	3			3			CAMPFIRE CIRCLE
								Hardwood							
19	RT	1	HS	30	65	75	25	Conifer	1						EST. DUE TO BBERRY
								Hardwood	8	3	1				
19	RT	2	HS	35	60	85	15	Conifer							
								Hardwood							
19	RT	3	HS	45	80	50	20	Conifer							
								Hardwood	1	2					

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **3-MS** SITE ID: **144** MYRTLE CREEK PRE-TX (MS-144)

<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	14.8		CRYAFISH ABUNDANT	T = 20C, START SN/, P 1
2	GL	00	42.6	WL	REDDS AT TAIL	4 REDDS, CRAWFISH, COHO
3	LP	00	67	WL	JUV. COHO	CRAWFISH
4	GL	00	92.6		CLEARING /SHED	
5	RI	00	115.1			RIP 1
7	RI	01	170.7		RIP @ TOP	/BW
9	GL	00	185.4		5 REDDS-1 LARGE	4 REDDS
10	PP	00	199.9		4 REDDS	REDDS
11	SR	00	200.5		H = .2M	
12	DP	00	275.8		REDDS, /FOREST	BROKEN PIECES OF BEDRO
17	IP	10	318.5			COHO, P 2
19	RI	00	369		RIP 3	
20	SC	01	386.1		FPW EST. DUE TO BBERR	
22	RI	00	409		JUV. CHINOOK	JUV. COHO
23	LP	01	454.4			RIP, P 3 & 4
26	LP	00	534.7		EST. WIDTH, DEPTH	SWAM POOL, DEPTH EST.
27	LP	01	594.7			P 5 FROM BRIDGE
28	RI	11	594.7	TJ		T = 14C
29	PP	11	594.7	TJ	END	END



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

Location: 10 417706 E 4758813 N
 Caption: MYRTLE CREEK RESTORATION SITE - COQUILLE BASIN