

REACH 1

T14S-R08W-S25SW

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	6.5	VWI Range:	5.5 - 7

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	443	2,262	0
Secondary	58	109	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.2	Width	9.0	11.2	12.4
Depth	0.30	Height	0.5	1.0	1.1
		W:D ratio	18.8	Entrenchment	1.3
Stream Flow Type:	LF	Water temp (C): 12.5 - 12.5			
Avg. Unit Gradient:	2.8%	Habitat Units/100m: 7.7			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	0%	Reach avg: 93%
Undercut Banks:	4%	Range: 64 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	86	19.4
Volume (m ³):	92	20.8
Key pieces (>=10m x 0.60m):	5	1.1

OREGON DEPARTMENT OF FISH AND WILDLIFE

BUMMER CREEK PRE-TX (MC-9)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/1/02

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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	
CASCADE/BOULDERS	1	9	5.0	0.20	43	7	0	0	40	40	20	0	
POOL-BACKWATER	1	6	2.4	0.40	14	1	10	50	30	10	0	0	
POOL-LATERAL SCOUR	14	115	4.1	0.51	489	22	1	8	44	40	2	5	
RAPID/BOULDERS	14	330	4.6	0.16	1,728	122	0	4	46	41	8	1	
RIFFLE	2	35	2.0	0.13	70	4	3	10	45	40	3	0	
STEP/BEDROCK	1	3	7.5	0.01	23	0	0	0	0	0	0	100	
STEP/COBBLE	1	3	2.0	0.03	6	0	0	0	60	40	0	0	
Total:	34	500	4.2	0.30	2,372	156	Avg 1	7	44	39	5	6	

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	1	6	2.4	0.40	14	0.58%	1	7.3	
Scour Pools	14	115	4.1	0.51	489	20.63%	22	4.5	
Glides	0	0			0	0.00%	0	0.0	
Riffles	2	35	2.0	0.13	70	2.95%	4	5.7	
Rapids	14	330	4.6	0.16	1,728	72.86%	122	7.1	
Cascades	1	9	5.0	0.20	43	1.79%	7	16.5	
Step/Falls	2	6	4.8	0.02	28	1.19%	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	33.9
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	5	11.3
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) 3 transects

Total hardwoods/1000	874
Total conifers/1000 ft	81
Total conifers >20" dbh/1000 ft	0
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	0.3	0.0	2.3	1.3	2.3	1.3	5.0
15-30cm	0.0	2.3	0.0	1.0	0.0	0.3	0.0	3.7
30-50cm	0.0	4.0	0.0	0.7	0.0	0.7	0.0	5.3
50-90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
Total/100m2	0.0	6.7	0.0	4.0	1.3	3.7	0.4	4.8

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	78	75	57
Shrub cover	72	88	69
Grass/forb cover	28	12	31

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	0	33	83
High terrace	100	67	17
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 (%)	5	14	30

RIPARIAN ZONE VEGETATION

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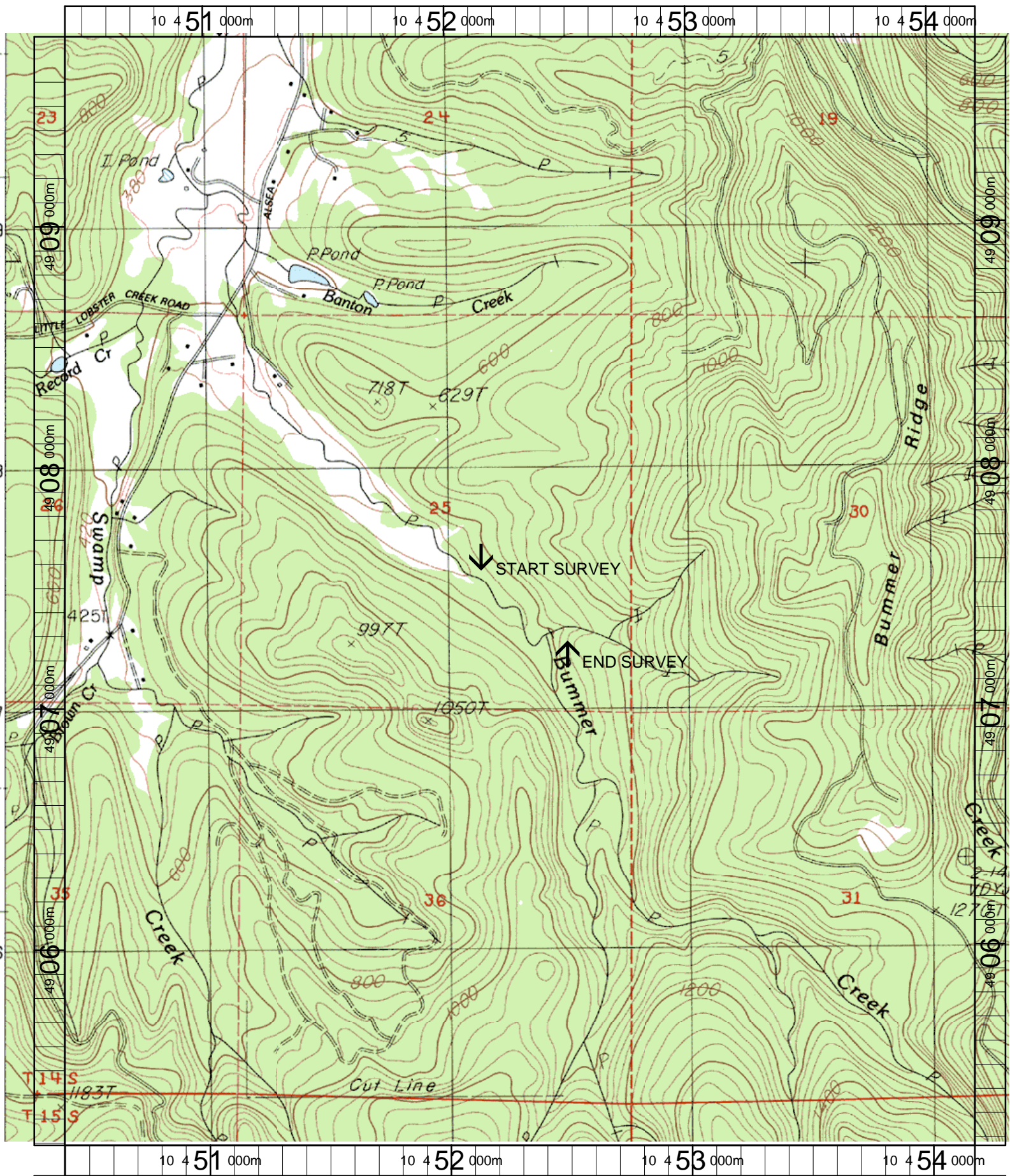
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
9	LF	1	HT	4	85	35	65	Conifer							
								Hardwood	1	3	1				
9	LF	2	HT	6	75	90	10	Conifer							
								Hardwood							
9	LF	3	HS	25	0	0	100	Conifer							
								Hardwood							
9	RT	1	HT	2	70	80	20	Conifer							
								Hardwood		1	2				
9	RT	2	HT	10	80	95	5	Conifer							
								Hardwood			2				
9	RT	3	HS	30	65	95	5	Conifer							
								Hardwood		1					
23	LF	1	HT	11	80	70	30	Conifer							
								Hardwood		1	4				
23	LF	2	HS	33	70	80	20	Conifer							
								Hardwood	3						
23	LF	3	HS	40	60	90	10	Conifer							
								Hardwood	2		2				
23	RT	1	HT	3	75	95	5	Conifer							
								Hardwood		1	1				
23	RT	2	HT	5	60	95	5	Conifer							
								Hardwood							
23	RT	3	HT	4	70	95	5	Conifer							
								Hardwood	1						
29	LF	1	HT	5	75	90	10	Conifer							
								Hardwood			3				
29	LF	2	HT	8	80	90	10	Conifer							
								Hardwood	3						
29	LF	3	HS	35	80	95	5	Conifer							
								Hardwood	4						
29	RT	1	HT	4	85	60	40	Conifer							
								Hardwood		1	1				
29	RT	2	HS	20	85	80	20	Conifer							
								Hardwood	1	3					
29	RT	3	HS	45	65	40	60	Conifer	4						
								Hardwood							1

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **2-MC** SITE ID: **9** **BUMMER CREEK PRE-TX (MC-9)**

<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	LP	00	6.8		T=12.5C@0930, START	START SURVEY
8	LP	00	87.8	/SS		
9	RB	00	131.5		RIP#1	RIP#1
10	LP	00	142.5		FISH	FISH
12	LP	01	166.4			FISH, SCULPIN
14	LP	01	190.6	SS/	COHO, SS/	COHO
15	RB	01	198.9	SS/		BR= HARDPAN
19	LP	02	204.2			FISH
20	RI	02	204.2	DJ	DJ	
23	RB	01	250.2	/SS	/SS, RIP #2	RIP#2
24	BW	10	250.2		COHO	FISH
25	LP	00	260.7		ORANGE TAPE W/ "SITE #	
29	RB	01	381.3	TJ/	TJ/, RIP #3	
30	RB	11	381.3			TRIB UNIT
34	LP	00	442.5		END SURVEY	FISH, END SURVEY



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

Location: 10 452295 E 4907480 N
 Caption: BUMMER CREEK RESTORATION SITE - ALSEA BASIN