

REACH 1

T15S-R10W-S15NW

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	4.4	VWI Range:	1 - 9

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	499	2,619	0
Secondary	66	98	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.5	Width	10.2	13.1	16.0
Depth	0.38	Height	0.5	0.9	1.4
		W:D ratio	22.1	Entrenchment	1.3
Stream Flow Type:	LF	Water temp (C): 13.5 - 13.5			
Avg. Unit Gradient:	1.4%	Habitat Units/100m: 7.2			

Riparian, Bank, and Wood Summary

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 83%
Undercut Banks:	9%	Range: 50 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	58	11.6
Volume (m ³):	101	20.2
Key pieces (>=10m x 0.60m):	4	0.8

OREGON DEPARTMENT OF FISH AND WILDLIFE

BUCK CREEK PRE-TX (MC-74)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/25/02

REACH 1		T15S-R10W-S15NW					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	
POOL-ALCOVE	1	10	1.5	0.40	15	0	50	50	0	0	0	0	
POOL-LATERAL SCOUR	16	306	5.0	0.67	1,660	29	2	9	34	29	2	25	
RAPID/BEDROCK	2	73	3.7	0.18	303	7	0	3	18	18	0	63	
RAPID/BOULDERS	7	93	3.3	0.13	350	11	1	4	43	45	1	6	
RIFFLE	5	62	3.6	0.12	262	6	1	5	53	39	1	1	
STEP/COBBLE	5	20	6.4	0.13	127	7	0	1	39	58	2	0	
Total:	36	565	4.5	0.38	2,717	60	Avg 2	7	37	36	1	16	

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	10	1.5	0.40	15	0.55%	0	0.0	
Scour Pools	16	306	5.0	0.67	1,660	61.09%	29	1.7	
Glides	0	0			0	0.00%	0	0.0	
Riffles	5	62	3.6	0.12	262	9.64%	6	2.3	
Rapids	9	166	3.3	0.14	653	24.05%	18	2.8	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	5	20	6.4	0.13	127	4.67%	7	5.5	
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:	17	34.1
Pools >=1m deep:	1	2.0
Complex pools (LWD pieces>=3):	5	10.0
Pool frequency (channel widths/pool):	3.3	
Residual pool depth (avg):	0.52	

RIPARIAN ZONE VEGETATION SUMMARY

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

Total hardwoods/1000	1260
Total conifers/1000 ft	41
Total conifers >20" dbh/1000 ft	41
Total conifers >35" dbh/1000 ft	20

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	0.0	5.3	0.0	7.3	0.0	14.7
15-30cm	0.0	1.0	0.0	1.0	0.0	0.3	0.0	2.3
30-50cm	0.0	1.7	0.0	1.3	0.0	0.3	0.0	3.3
50-90cm	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
>90cm	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0
Total/100m2	0.0	4.7	0.3	7.7	0.3	8.3	0.2	6.9

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	67	66	51
Shrub cover	26	38	70
Grass/forb cover	74	62	30

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	67	50	83
High terrace	33	17	17
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	33	0
Riprap	0	0	0
Surface slope (%)	48	34	45

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		
17	LF	1	HS	100	65	20	80	Conifer							
								Hardwood	1						
17	LF	2	HS	45	70	30	70	Conifer						1	DFIR
								Hardwood	2		1				
17	LF	3	HS	45	50	40	60	Conifer					1		
								Hardwood	1						
17	RT	1	HT	0	65	5	95	Conifer							ALDER
								Hardwood			1				
17	RT	2	RB	0	70	40	60	Conifer							ELDERBERRY
								Hardwood	3						
17	RT	3	HS	65	65	70	30	Conifer							BLM, VMAPLE
								Hardwood	2				1		
22	LF	1	HS	40	70	80	20	Conifer							
								Hardwood	1		1				
22	LF	2	HS	40	65	90	10	Conifer							VMAPLE
								Hardwood	3						
22	LF	3	HS	40	50	90	10	Conifer							
								Hardwood	5		1				
22	RT	1	HS	70	60	20	80	Conifer							
								Hardwood	2	1	1				
22	RT	2	RB	40	40	10	90	Conifer							ALDER, ELDERBERRY
								Hardwood	1		1				
22	RT	3	HS	40	20	90	10	Conifer							ELDERBERRY
								Hardwood	8						
31	LF	1	HS	80	70	20	80	Conifer							
								Hardwood	1	2					
31	LF	2	HS	80	70	30	70	Conifer							VMAPLE, ALDER
								Hardwood	3	1					
31	LF	3	HS	80	80	60	40	Conifer							ALDER
								Hardwood	6						
31	RT	1	HT	0	70	10	90	Conifer							
								Hardwood	1		2				
31	RT	2	HT	0	80	30	70	Conifer							
								Hardwood	4	2	2				
31	RT	3	HT	0	40	70	30	Conifer							SALMONBERR Y, ALDER
								Hardwood		1					

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **2-MC** SITE ID: **74** **BUCK CREEK PRE-TX (MC-74)**

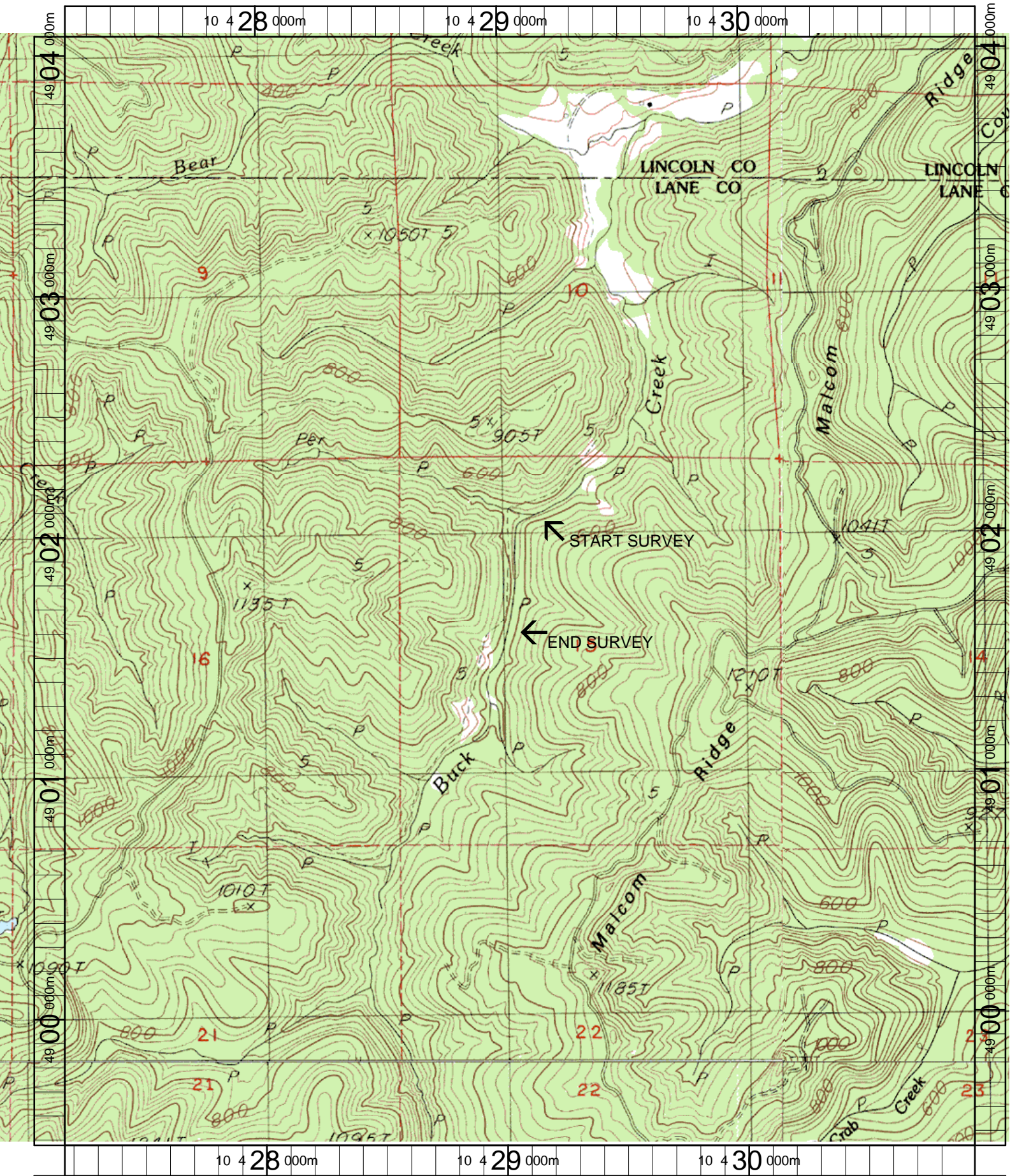
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	LP	00	12.3		BEGIN ABOVE TRIB	COHO, START ABOVE TJ
2	SC	01	15.9		T=13.5C@1130	
5	LP	01	69.8			COHO
7	LP	02	69.8		FISH	
9	LP	02	69.8		COHO	COHO
12	LP	00	102.1			COHO
13	RI	00	115.8	SS/		
14	LP	00	140.6			COHO
16	LP	00	157		OLD ROAD BED ON RIGH	
17	RB	01	191.3	TJ/		
18	RB	11	191.3			TRIB UNIT
19	LP	00	205.5		COHO	COHO
21	LP	00	243.6	WL	COHO, CRAYFISH	CRAYFISH
22	RB	00	255.7		NO TERRACE - BOTTLEN	
23	LP	00	279.1			COHO
26	RR	00	373.4	BV		
27	RB	00	388.9	BV		
28	LP	00	400.5	BV		
31	SC	00	418.6	BV		
32	LP	01	457.1		T=15.5C@1416	
33	AL	10	457.1	WL	/SS, PHOTO #204	RSN, COHO

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 2-MC SITE ID: 74 BUCK CREEK PRE-TX (MC-74)

<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	SC	00	462.6	BV		
35	RI	00	480.1	BV		COHO
36	LP	00	498.6	SS/, RF	SS/ END SURVEY @ POO	END SURVEY, RF @ TAILOU



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

Location: 10 429069 E 4901762 N
 Caption: BUCK CREEK RESTORATION SITE - ALSEA BASIN