

REACH 1

T29S-R14W-S12SE

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 5.7		VWI Range: 3 - 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	988	3,490	0
Secondary	93	119	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.9	Width	9.1	11.6	15.1
Depth	0.48	Height	0.6	1.2	2.0
		W:D ratio	15.2	Entrenchment	1.3
Stream Flow Type:	LF	Water temp (C): 16.8 - 16.8			
Avg. Unit Gradient:	0.1%	Habitat Units/100m: 6.9			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	
Riparian Vegetation:	D30	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	13%	Reach avg: 69%
Undercut Banks:	16%	Range: 22 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	151	15.3
Volume (m ³):	181	18.3
Key pieces (>=10m x 0.60m):	21	2.1

OREGON DEPARTMENT OF FISH AND WILDLIFE

BEAR CREEK PRE-TX (MS-125)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/27/02

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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	
DRY UNIT	1	8	2.0	0.00	16	0	5	10	40	40	5	0	
POOL-BACKWATER	2	16	0.9	0.20	15	0	13	18	70	0	0	0	
POOL-ISOLATED	4	23	1.6	0.23	37	0	20	22	58	0	0	0	
POOL-LATERAL SCOUR	39	851	3.7	0.75	3,202	1	17	21	62	0	0	0	
RIFFLE	9	111	2.1	0.16	212	0	12	17	68	3	1	0	
RIFFLE W/ POCKETS	1	16	1.5	0.10	24	0	10	15	75	0	0	0	
STEP/COBBLE	12	57	1.9	0.06	103	0	10	15	74	0	0	0	
Total:	68	1,082	2.9	0.48	3,609	1	Avg 15	19	65	1	0	0	

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	6	39	1.3	0.22	53	1.46%	0	0.0
Scour Pools	39	851	3.7	0.75	3,202	88.71%	1	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	10	127	2.0	0.15	236	6.54%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	12	57	1.9	0.06	103	2.85%	0	0.0
Dry	1	8	2.0	0.00	16	0.44%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	45	45.5
Pools >=1m deep:	11	11.1
Complex pools (LWD pieces>=3):	14	14.2
Pool frequency (channel widths/pool):	2.6	
Residual pool depth (avg):	0.69	

RIPARIAN ZONE VEGETATION SUMMARY

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

Total hardwoods/1000	224
Total conifers/1000 ft	102
Total conifers >20" dbh/1000 ft	81
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-30cm	0.0	0.3	0.3	0.3	0.0	1.3	0.3	2.0
30-50cm	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
50-90cm	0.0	0.7	0.0	0.0	1.3	0.0	1.3	0.7
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.0	2.0	0.3	0.3	1.3	1.3	0.6	1.2

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	22	33	38
Shrub cover	57	58	57
Grass/forb cover	41	41	39

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	50	50	50
High terrace	50	50	50
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 (%)	16	17	26

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			
18	LF	1	HT	1	10	15	85	Conifer							
								Hardwood							
18	LF	2	HT	0	0	15	85	Conifer							
								Hardwood							
18	LF	3	HT	0	0	30	70	Conifer							
								Hardwood							
18	RT	1	HS	27	90	30	65	Conifer							
								Hardwood		1	2	2			
18	RT	2	HS	34	95	15	85	Conifer							
								Hardwood							
18	RT	3	HS	34	50	35	40	Conifer							RB LAST 4 M
								Hardwood		1					
31	LF	1	HT	0	0	20	70	Conifer							
								Hardwood							
31	LF	2	HT	0	0	40	50	Conifer							
								Hardwood							
31	LF	3	HT	0	0	35	65	Conifer							
								Hardwood							
31	RT	1	HS	30	15	90	10	Conifer							
								Hardwood			1				
31	RT	2	HS	40	5	95	5	Conifer							
								Hardwood							
31	RT	3	HS	70	20	90	10	Conifer							
								Hardwood							
50	LF	1	HS	40	15	100	0	Conifer							ESTIMATED
								Hardwood							BB THICKET
50	LF	2	HS	30	85	90	10	Conifer			1				
								Hardwood							
50	LF	3	HS	30	100	80	20	Conifer							
								Hardwood			3				
50	RT	1	HT	0	0	85	15	Conifer							
								Hardwood							
50	RT	2	HT	0	15	90	10	Conifer							
								Hardwood			1				
50	RT	3	HT	21	60	70	30	Conifer					4		CEDAR
								Hardwood							

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **3-MS** SITE ID: **125** BEAR CREEK PRE-TX (MS-125)

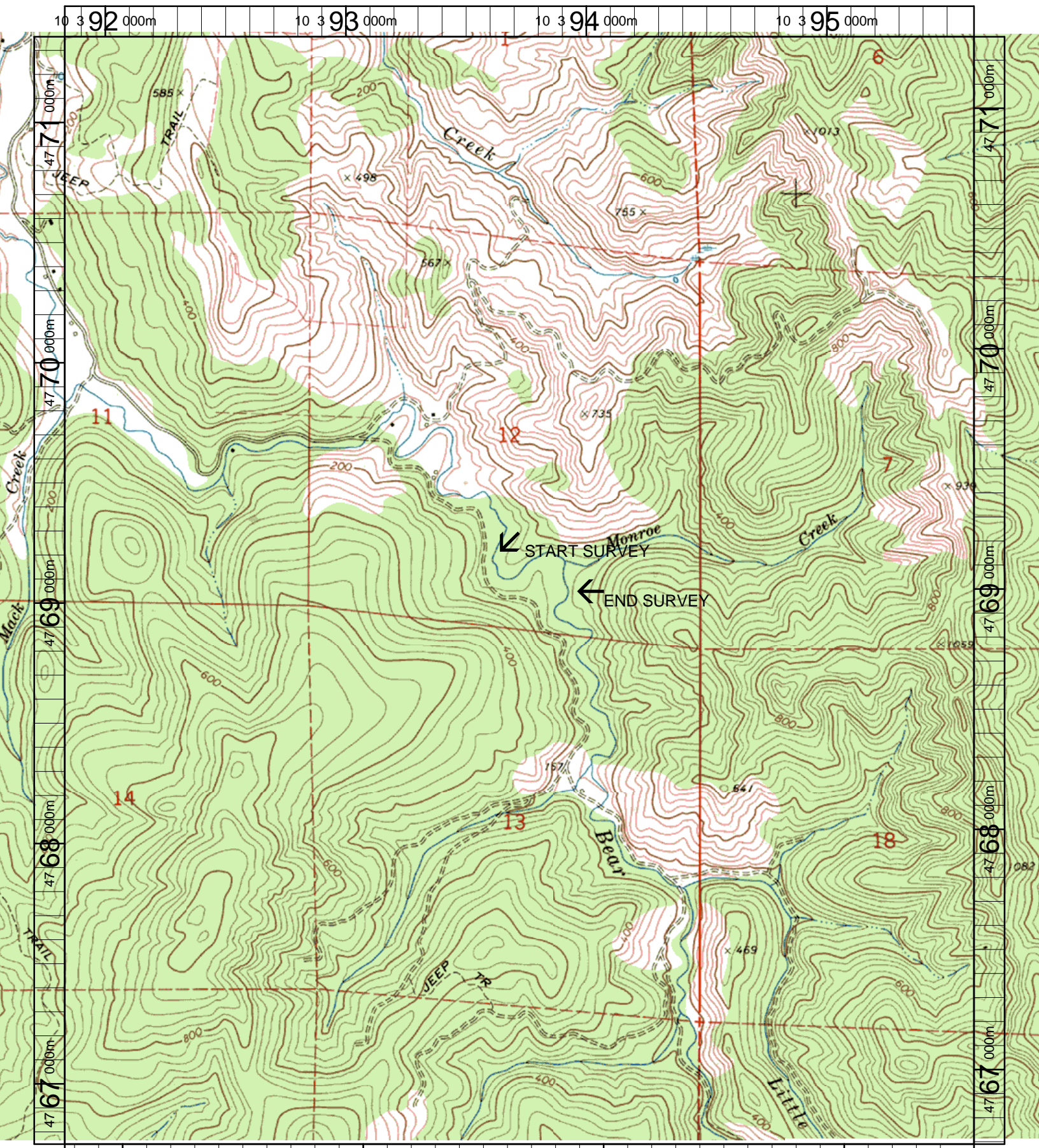
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	LP	00	20.1		START, COHO, 5" TROUT	START SURVEY
2	LP	00	48.8			ALGAE BLOOM
4	LP	00	98.1	WL		RED-LEGGED FROG
6	LP	00	115.4			ORANGE FLAGGING "BEFFO
9	LP	01	168.1			JUV COHO
12	SC	00	197			HILLSLOPE ON RIGHT
18	LP	00	272.2		RIPARIAN	
19	SC	00	275.1			END HILLSLOPE ON RIGHT
22	LP	00	342.8	DJ		
24	LP	01	376.6	DJ, /TJ		
25	DU	11	376.6		ACW=2	TRIB UNIT
29	SC	00	399.4			ORANGE FLAG " BEFSO -7"
30	LP	00	414.7		RED-LEGGED FROG	JUV COHO
31	LP	00	445.4		RIP #2	
33	LP	00	501.5			CATTLE
39	IP	10	586		FISH	
40	LP	00	606.4			HILLSLOPE ON LEFT
50	LP	00	723.1		RIP#3	
55	LP	00	785.2		COHO	
59	RI	01	850.3	/TJ		
60	RI	11	850.3	RF	T=14C	MONROE CREEK

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 3-MS SITE ID: 125 BEAR CREEK PRE-TX (MS-125)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
62	LP	00	895.7	DJ		COHO
68	RI	00	988.2		END SURVEY	END SURVEY



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

Location: 10 393681 E 4769027 N
 Caption: BEAR CREEK RESTORATION SITE- COQUILLE BASIN