

REACH 1

T35S-R14W-S09NE

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	50.0	VWI Range:	50 - 50

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	489	718	0
Secondary	2	4	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	1.7	Width	2.7	5.2	7.9
Depth	0.22	Height	0.3	0.7	0.9
		W:D ratio	8.0	Entrenchment	2.1
Stream Flow Type:	LF	Water temp (C): 14.5 - 14.5			
Avg. Unit Gradient:	2.5%	Habitat Units/100m: 7.8			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	AG	EX
Riparian Vegetation:	G	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	4%	Reach avg: 62%
Undercut Banks:	9%	Range: 8 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	14	2.9
Volume (m ³):	7	1.4
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

PEA CREEK PRE-TX (SC-145)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/1/02

REACH 1		T35S-R14W-S09NE					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	18	2.1	0.05	38	0	15	20	65	0	0	0
POOL-ALCOVE	1	2	1.5	0.30	4	3	86	10	5	0	0	0
POOL-DAMMED	3	19	1.6	0.32	31	0	13	22	53	12	0	0
POOL-LATERAL SCOUR	13	74	1.8	0.36	134	5	20	30	46	4	1	0
POOL-PLUNGE	2	6	2.8	0.48	17	10	14	23	47	9	7	0
RAPID/BOULDERS	3	126	1.2	0.05	145	0	10	19	58	10	3	0
RIFFLE	15	246	1.5	0.08	354	2	10	20	64	5	0	0
Total:	38	491	1.7	0.22	722	20	Avg 16	23	54	6	1	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	4	22	1.6	0.31	34	4.74%	3	8.8
Scour Pools	15	80	2.0	0.38	151	20.90%	15	9.9
Glides	0	0			0	0.00%	0	0.0
Riffles	15	246	1.5	0.08	354	49.01%	2	0.6
Rapids	3	126	1.2	0.05	145	20.06%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	0	0			0	0.00%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	18	2.1	0.05	38	5.29%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	19	38.9
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	1	2.0
Pool frequency (channel widths/pool):	9.6	
Residual pool depth (avg):	0.31	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	406
Total conifers/1000 ft	0
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	0.0	0.0	2.0	0.0	0.0	0.0	2.0
15-30cm	0.0	1.7	0.0	0.3	0.0	0.0	0.0	2.0
30-50cm	0.0	1.7	0.0	0.0	0.0	0.3	0.0	2.0
50-90cm	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.0	3.3	0.0	3.0	0.0	0.3	0.0	2.2

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	23		14		9	
Shrub cover	25		2		3	
Grass/forb cover	63		83		82	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	0		0		0	
High terrace	83		100		100	
Low terrace	0		0		0	
Floodplain	17		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		0		0	
Riprap	0		0		0	
Surface slope (%)	10		0		0	

RIPARIAN ZONE VEGETATION

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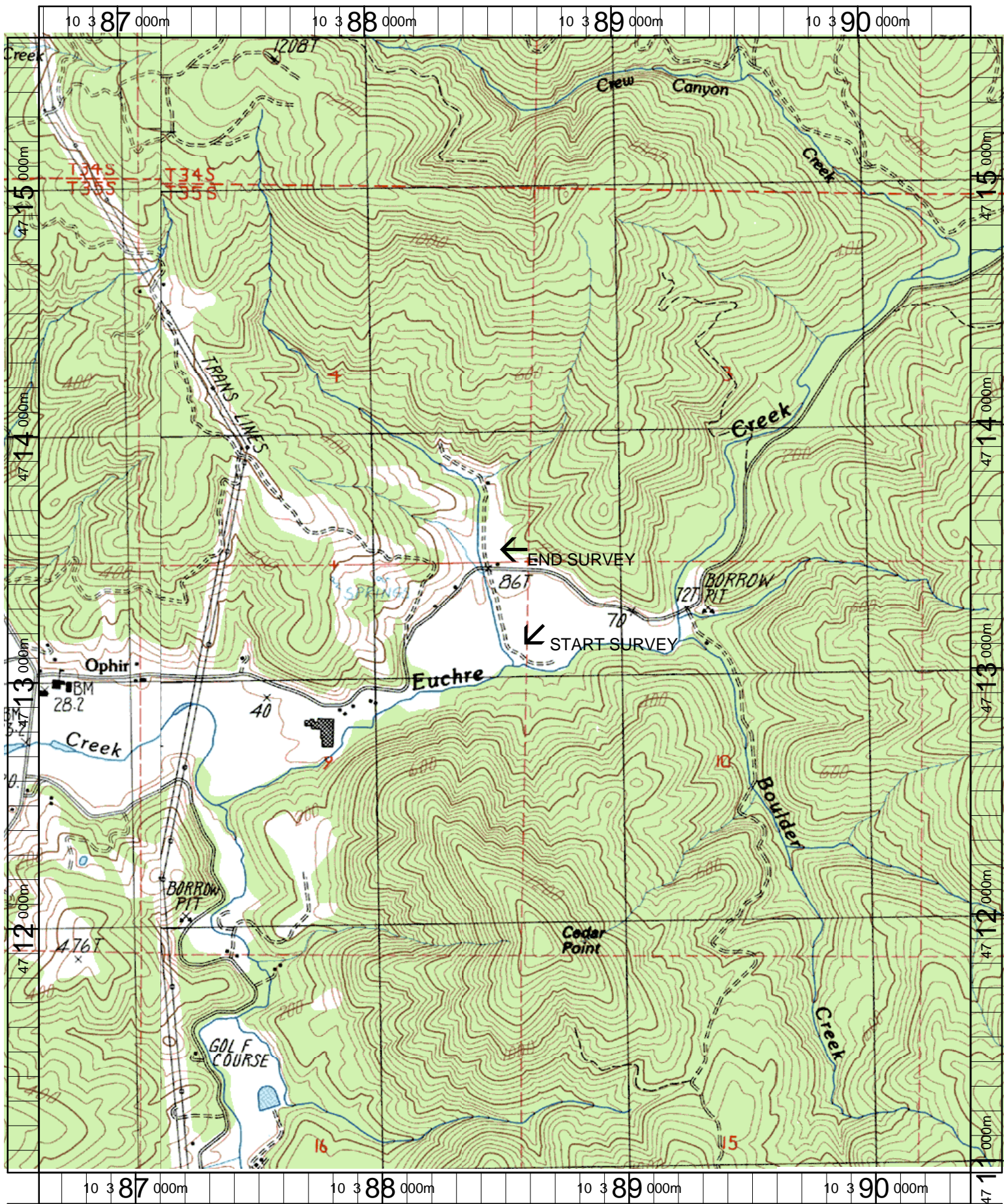
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
5	LF	1	HT	0	0	0	100	Conifer							FENCE
								Hardwood							
5	LF	2	HT	0	0	0	100	Conifer							
								Hardwood							
5	LF	3	HT	0	0	0	100	Conifer							
								Hardwood							
5	RT	1	HT	0	0	40	30	Conifer							ROAD CROSSING
								Hardwood							
5	RT	2	HT	0	0	0	100	Conifer							OLD PASTURE
								Hardwood							
5	RT	3	HT	0	0	0	100	Conifer							
								Hardwood							
16	LF	1	FP	12	0	5	95	Conifer							
								Hardwood							
16	LF	2	HT	0	0	0	100	Conifer							
								Hardwood							
16	LF	3	HT	0	0	0	100	Conifer							
								Hardwood							
16	RT	1	HT	0	0	20	80	Conifer							PARTIAL RB
								Hardwood							
16	RT	2	HT	0	0	0	100	Conifer							
								Hardwood							
16	RT	3	HT	0	0	0	100	Conifer							
								Hardwood							
30	LF	1	HT	25	65	40	60	Conifer							PARTIAL HS
								Hardwood		1	2				
30	LF	2	HT	0	65	0	95	Conifer							
								Hardwood				2			
30	LF	3	HT	0	30	15	85	Conifer							
								Hardwood			1				
30	RT	1	HT	25	75	45	10	Conifer							PARTIAL HS, RB
								Hardwood		4	3				
30	RT	2	HT	0	20	10	5	Conifer							
								Hardwood	6	1					
30	RT	3	HT	0	25	5	5	Conifer							
								Hardwood							

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC** SITE ID: **145** **PEA CREEK PRE-TX (SC-145)**

<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	RB	00	9.1	BV,CS/CS	START, BV, SHRUBBY	START, BOULDER RIPRAP
2	LP	00	14.2		T=14.5C	SMALL 5-10 YR CONIFERS P
3	RB	00	64.2		LOTS OF BERRY BUSHES	ESTIMATED -- TOO BRUSHY
4	RB	00	130.6		OVERGROWN	ESTIMATED -- TOO BRUSHY
5	RI	00	149.4	RF, HS	LOG WEIR AT END OF UN	LOG WEIR
6	DP	00	157.9			FISH
7	RI	00	171.8		LOT OF FISH	
8	PP	00	175.8	SD, CS/CS	SCREEN DIVERSION	HOSE & RIP RAP
9	RI	00	193.6	HS		
11	LP	00	209.8		5M RI BETWEEN POOLS	
12	RI	00	234.8	HS		
15	LP	00	243.9		SM RI BETWEEN POOLS	
16	RI	00	275.9			OVERGROWN
17	LP	00	279.6		VERY OVER GROWN	
22	RI	00	348.5		GRASS IS 5 FT TALL	
23	LP	00	354		FISH	
27	LP	00	386.8	WL	ORANGE FLAGS	RSN, SNAKE
29	CC	00	423.5	CC	EUCHRE CREEK ROAD C	1.5H X 2.5W, OVAL CORR. M
30	LP	00	435.8	SS/SS, HS		
34	LP	00	459.1			SMALL RIFFLE BETWEEN PO
38	RI	00	488.6		END SURVEY 10-20 M BE	END SURVEY, VERY OVERG



Name: BRUSHY BALD MT
 Date: 3/21/2003
 Scale: 1 inch equals 1666 feet

Location: 10 388528 E 4713289 N
 Caption: PEA CREEK RESTORATION SITE - EUCHRE BASIN