

REACH 1

T4S-R4E-S11SE

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	4.2	VWI Range:	3 - 5.5

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	566	6,578	0
Secondary	26	73	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	10.9	Width	19.1	24.8	26.5
Depth	0.45	Height	1.0	1.9	2.6
		W:D ratio	19.6	Entrenchment	1.4
Stream Flow Type:	MF	Water temp (C):		13.0 - 13.0	
Avg. Unit Gradient:	2.0%	Habitat Units/100m:		3.9	

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	M15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:		Reach avg: 78%
Undercut Banks:	0%	Range: 61 - 92

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	19	3.4
Volume (m <sup>3</sup> ):	14	2.4
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

NF EAGLE CREEK PRE-TX (L-157)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/15/02

REACH 1		T4S-R4E-S11SE					REACH 1						
HABITAT DETAIL													
Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area						
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
POOL-DAMMED	1	16	9.8	0.66	160	6	5	10	25	25	15	20	
POOL-ISOLATED	1	26	2.8	0.68	73	0	70	30	0	0	0	0	
POOL-LATERAL SCOUR	6	200	10.7	0.86	2,269	35	2	9	19	33	20	17	
RAPID/BEDROCK	1	11	9.5	0.33	102	11	0	5	10	35	40	10	
RAPID/BOULDERS	7	224	11.4	0.23	2,586	134	0	6	24	53	15	3	
RIFFLE	2	51	12.3	0.19	631	14	0	15	40	38	8	0	
RIFFLE W/ POCKETS	1	24	12.0	0.31	290	15	0	10	20	45	25	0	
STEP/BOULDERS	2	21	11.3	0.25	239	32	0	7	17	47	29	0	
STEP/COBBLE	1	19	15.7	0.25	301	10	0	5	15	55	20	5	
<b>Total:</b>	<b>22</b>	<b>592</b>	<b>10.9</b>	<b>0.45</b>	<b>6,650</b>	<b>257</b>	<b>Avg</b>	<b>4</b>	<b>9</b>	<b>21</b>	<b>41</b>	<b>7</b>	

HABITAT SUMMARY								
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )
Dammed & BW Pools	2	42	6.3	0.67	232	3.49%	6	2.6
Scour Pools	6	200	10.7	0.86	2,269	34.12%	35	1.5
Glides	0	0			0	0.00%	0	0.0
Riffles	3	76	12.2	0.23	921	13.85%	29	3.1
Rapids	8	234	11.2	0.25	2,687	40.41%	145	5.4
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	3	40	12.8	0.25	540	8.13%	42	7.8
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:	8	14.1
Pools >=1m deep:	1	1.8
Complex pools (LWD pieces>=3):	2	3.5
Pool frequency (channel widths/pool):	3.9	
Residual pool depth (avg):	0.53	

**RIPARIAN ZONE VEGETATION SUMMARY**

**REACH 1** **REACH 1**

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

Total hardwoods/1000	1240
Total conifers/1000 ft	345
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	1.3	1.3	6.3	0.3	7.3	1.7	15.0
15-30cm	0.7	1.7	0.7	1.0	1.0	0.7	2.3	3.3
30-50cm	1.0	1.3	0.7	0.0	0.0	0.7	1.7	2.0
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	0.0	0.0	0.0
Total/100m2	1.7	4.3	2.7	7.3	1.3	8.7	1.9	6.8

**Canopy closure and ground cover**

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	73	73	73
Shrub cover	39	48	49
Grass/forb cover	61	52	51

**Predominant landform in each zone**

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	33	33	50
High terrace	33	67	50
Low terrace	17	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 (%)	30	32	106

**RIPARIAN ZONE VEGETATION**

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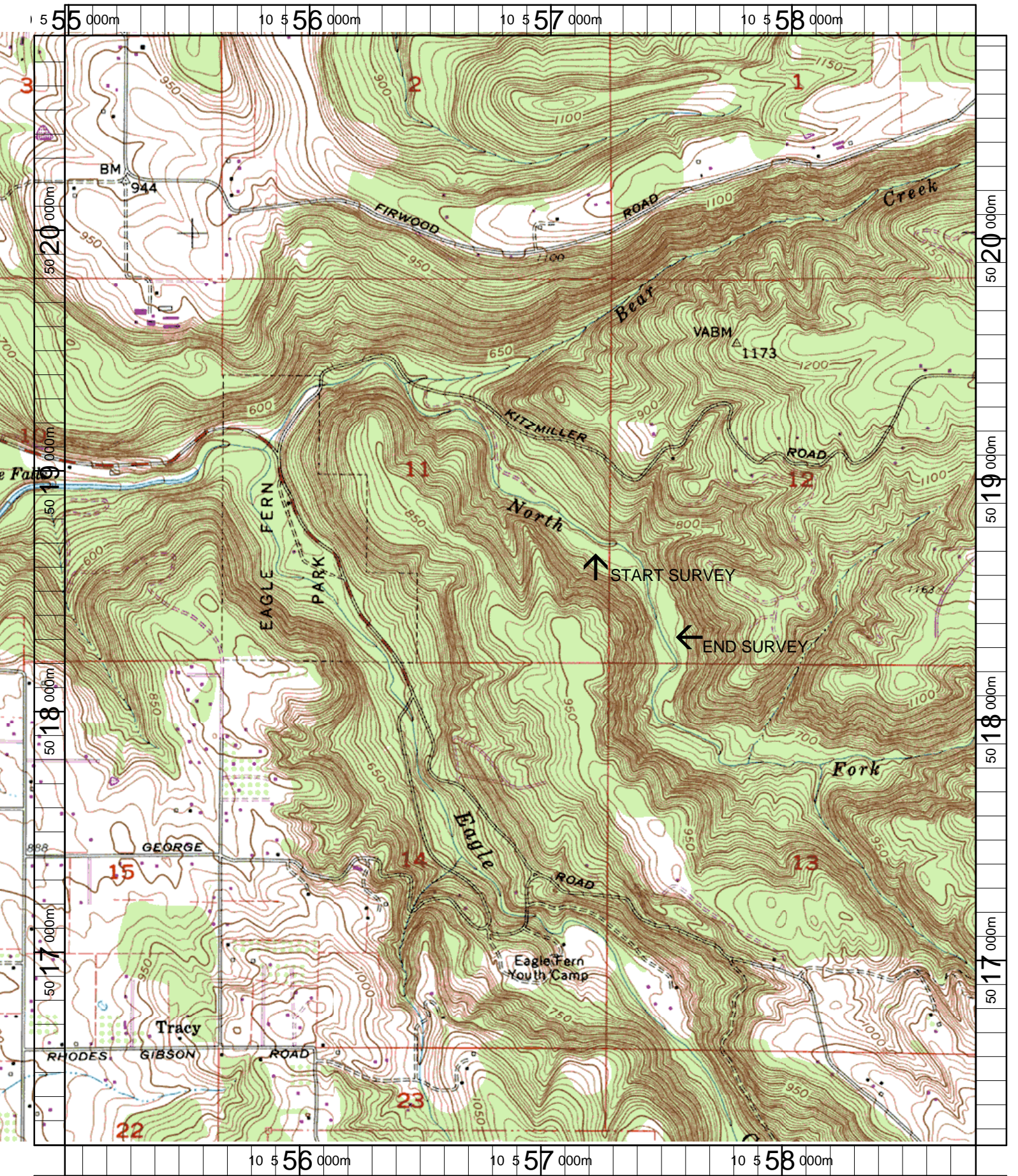
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
8	LF	1	HS	55	80	65	35	Conifer		1	1			
								Hardwood	1	1	1			
8	LF	2	HS	95	90	45	55	Conifer	2	1	1			
								Hardwood						
8	LF	3	HS	70	90	45	55	Conifer						
								Hardwood	15		1			
8	RT	1	FP	18	80	55	45	Conifer						
								Hardwood	1					
8	RT	2	HT	12	85	63	35	Conifer				1		
								Hardwood	12	2				
8	RT	3	HT	2	85	55	45	Conifer	1	3				
								Hardwood	3					
12	LF	1	HT	40	55	50	50	Conifer						
								Hardwood						
12	LF	2	HT	9	60	90	10	Conifer	1					
								Hardwood	1					
12	LF	3	HS	470	75	90	10	Conifer						
								Hardwood	3					
12	RT	1	LT	14	75	35	65	Conifer				2		
								Hardwood		3				
12	RT	2	HT	15	70	65	35	Conifer		1				
								Hardwood		1				
12	RT	3	HT	8	75	80	20	Conifer						
								Hardwood	1	1	1			
16	LF	1	HT	1	65	10	90	Conifer		1				
								Hardwood	1					
16	LF	2	HT	3	45	10	90	Conifer	1					
								Hardwood	5					
16	LF	3	HT	3	35	10	90	Conifer						
								Hardwood						
16	RT	1	HS	50	85	20	80	Conifer						
								Hardwood	1	1	3			
16	RT	2	HS	55	85	15	85	Conifer						
								Hardwood	1					
16	RT	3	HS	80	80	15	85	Conifer						
								Hardwood		1				

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 7-L      SITE ID: 157      NF EAGLE CREEK PRE-TX (L-157)

<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	01	26.9		T = 13 @ 11AM	
2	IP	10	26.9			NICE AMPHIB HABITAT
5	DP	00	60.6			POOL CREATED BY TREE
6	SB	00	70.3		H = .5	
8	RB	00	119.9			SOME DEEP POCKETS, RIPA
11	SB	00	200.3		H = .6	
12	LP	00	249.53			RIPARIAN
14	LP	00	289.43	US		
15	SC	00	308.63		H = 1.1	
16	LP	00	361.73			RIPARIAN
19	LP	00	466.83	US		
21	RB	00	528.13	WL		CRAYFISH
22	RB	00	566.23			END SURVEY



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

Location: 10 556890 E 5018524 N  
 Caption: NORTH FORK EAGLE CREEK RESTORATION SITE -  
 CLACKAMAS BASIN