

REACH 1

T02S-R03E-S43SE

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index 14.6		VWI Range: 8 - 25	

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	100%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	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	754	1,656	0
Secondary	109	109	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.2	Width	5.7	24.2	18.8
Depth	0.13	Height	0.4	0.8	1.1
		W:D ratio	14.1	Entrenchment	4.8
Stream Flow Type:	MF	Water temp (C): 20.0 - 20.0			
Avg. Unit Gradient:	1.0%	Habitat Units/100m: 6.6			

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	HG	RR
Riparian Vegetation:	S	D30

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	34%	Reach avg: 59%
Undercut Banks:	10%	Range: 0 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	32	4.2
Volume (m <sup>3</sup> ):	5	0.7
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

FOSTER CREEK PRE-TX (L-86)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/10/02

REACH 1		T02S-R03E-S43SE					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	
DRY CHANNEL	1	109	1.0	0.00	109	0	10	15	75	0	0	0	
GLIDE	3	46	2.6	0.12	119	0	15	22	42	22	0	0	
POOL-DAMMED	1	6	2.1	0.20	13	0	40	30	30	0	0	0	
POOL-LATERAL SCOUR	15	216	2.6	0.23	574	0	22	31	38	9	0	0	
RIFFLE	30	485	1.9	0.08	950	0	14	27	43	16	0	0	
<b>Total:</b>	50	863	2.2	0.13	1,765	0	<b>Avg 17</b>	28	42	13	0	0	

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	1	6	2.1	0.20	13	0.74%	0	0.0	
Scour Pools	15	216	2.6	0.23	574	32.51%	0	0.0	
Glides	3	46	2.6	0.12	119	6.72%	0	0.0	
Riffles	30	485	1.9	0.08	950	53.86%	0	0.0	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	0	0			0	0.00%	0	0.0	
Dry	1	109	1.0	0.00	109	6.18%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	Total	# / Km
All Pools:	16	21.2
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	0	0.0
Pool frequency (channel widths/pool):	9.5	
Residual pool depth (avg):	0.18	

**RIPARIAN ZONE VEGETATION SUMMARY**

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

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

Total hardwoods/1000	508
Total conifers/1000 ft	244
Total conifers >20" dbh/1000 ft	61
Total conifers >35" dbh/1000 ft	0

**Average number of trees in a 5-meter wide band**

Diameter class (cm)	Zone 1		Zone 2		Zone 3		Zones 1-3	
	0-10 meters		10 - 20 meters		20 - 30 meters		0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	2.3	0.0	2.3	0.0	2.0	0.0	6.7
15-30cm	0.7	0.0	0.0	0.3	0.7	0.3	1.3	0.7
30-50cm	1.0	0.3	0.0	0.3	0.7	0.0	1.7	0.7
50-90cm	1.0	0.0	0.0	0.3	0.0	0.0	1.0	0.3
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	2.7	2.7	0.0	3.3	1.3	2.3	1.3	2.8

**Canopy closure and ground cover**

	Zone 1		Zone 2		Zone 3	
	0-10 meters		10 - 20 meters		20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	38		36		44	
Shrub cover	31		11		3	
Grass/forb cover	28		62		68	

**Predominant landform in each zone**

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

**RIPARIAN ZONE VEGETATION**

Reach 1

Reach 1

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	HS	10	0	5	90	Conifer							
								Hardwood							
9	LF	2	HS	5	90	0	85	Conifer						OAK	
								Hardwood	1		1	1			
9	LF	3	HT	0	70	5	85	Conifer							
								Hardwood							
9	RT	1	HT	0	50	0	35	Conifer				2		DFIR, CHERRY	
								Hardwood		1					
9	RT	2	HT	0	20	0	95	Conifer							
								Hardwood							
9	RT	3	HT	0	10	0	95	Conifer							
								Hardwood							
20	LF	1	LT	0	10	80	5	Conifer							
								Hardwood							
20	LF	2	LT	0	0	5	80	Conifer							
								Hardwood							
20	LF	3	LT	0	20	10	80	Conifer							
								Hardwood							
20	RT	1	LT	0	40	50	10	Conifer							
								Hardwood	3						
20	RT	2	HS	10	30	10	50	Conifer							
								Hardwood	3	1					
20	RT	3	HS	5	90	0	40	Conifer							
								Hardwood	5	1					
34	LF	1	HT	0	50	50	10	Conifer				1	1		
								Hardwood	4						
34	LF	2	HT	0	15	40	30	Conifer							
								Hardwood	2						
34	LF	3	HT	0	0	0	90	Conifer							
								Hardwood	1						
34	RT	1	HS	5	75	0	20	Conifer			2	2			
								Hardwood							
34	RT	2	HT	0	60	10	30	Conifer							
								Hardwood	1						
34	RT	3	HS	5	75	0	20	Conifer			2	2			
								Hardwood							

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 7-L      SITE ID: 86      FOSTER CREEK PRE-TX (L-86)

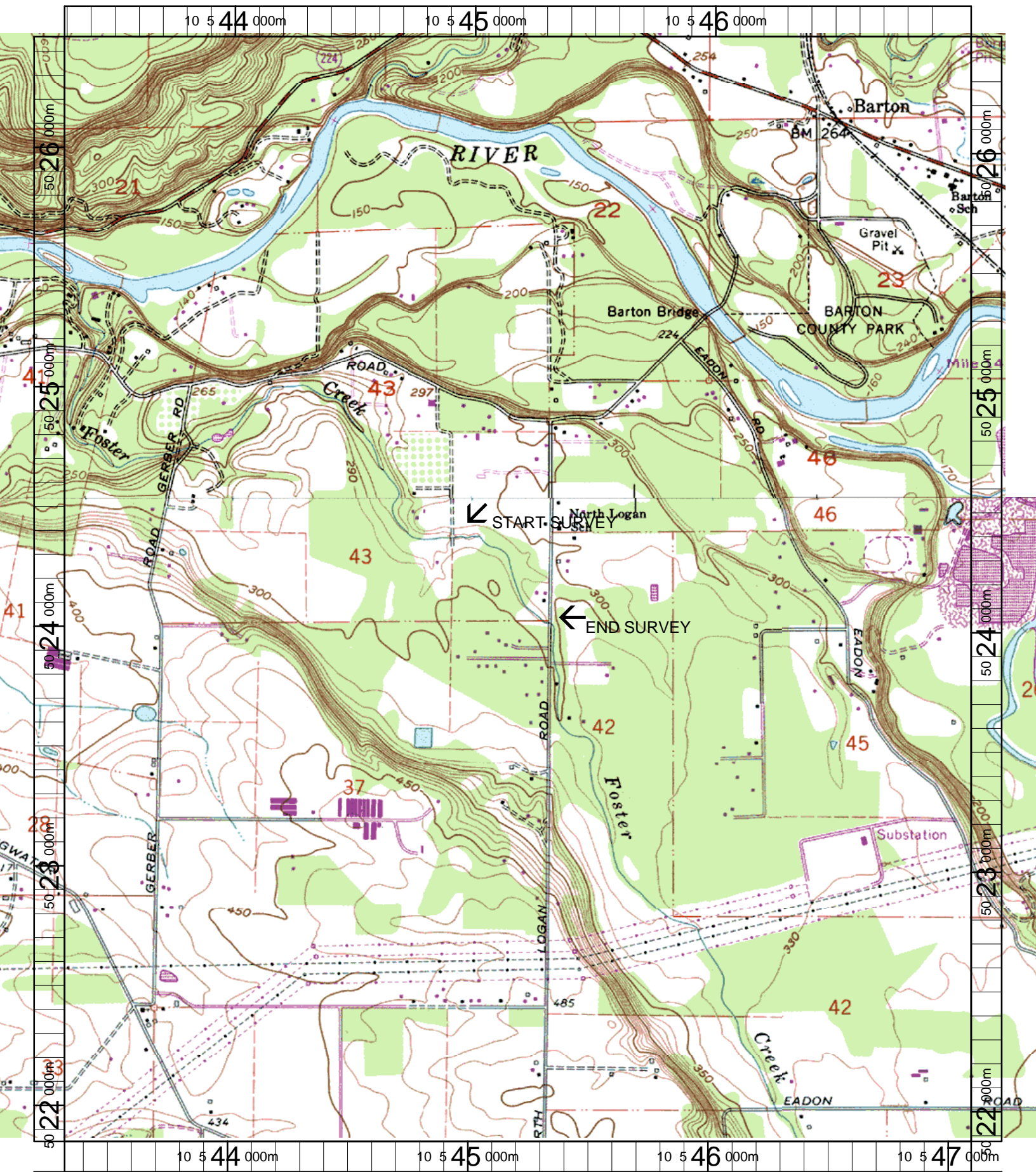
UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RI	00	17.5	FC	START, T=20C@1052	START AT FC
3	RI	00	50.3			SCULPIN, VERY HOT DAY
4	RI	00	75.3		FROG	BLACKBERRY COVER
5	RI	00	86.3	WL	100% BRUSH COVER	FROG, CRAYFISH
7	LP	00	118.1	WL		FROG
9	RI	00	147.7			RIP#1
10	RI	00	165.5		PHOTO	
11	RI	00	189.5			HAB LOGS ON RIGHT
12	RI	00	200.5	RF		
13	RI	00	209.7	RF		
17	GL	00	290.5		LOTS OF BRUSH	COW TRACKS
19	RI	00	330.5		RIP#2	SCULPIN
20	RI	00	355.5			RIP#2
21	GL	00	362.3		FADED FLAG ON TREE	
23	RI	00	398.3	WL		FROGS
25	LP	00	412.6			COW TRACKS
27	LP	00	434.1			BERRY COVER
29	LP	00	447.6	WL		FROGS
32	RI	00	516.3		LOTS OF BRUSH	
33	RI	00	530.3		RIP#3	
34	LP	00	538.3		HEAVY COW INFLUENCE	

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 7-L SITE ID: 86 FOSTER CREEK PRE-TX (L-86)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
35	RI	00	553.3	WL		FROG
38	LP	00	578.2			NO SHADE
39	RI	00	600.2	WL		FROG
40	RI	01	611.2	FC	FENCE CROSSING	EXCLOSURE TO END OF SU
41	LP	01	636.2		HIGH GRASS	NO GRAZING
48	LP	00	734.4			WHITE FLAG
50	LP	00	753.6	FC	END SURVEY	END AT FENCE LINE



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

Location: 10 545187 E 5024172 N  
 Caption: FOSTER CREEK RESTORATION SITE - CLACKAMAS BASIN