

REACH SUMMARY

REACH 1

T3S-R3E-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 avg: 10.7 range: 7.0-16.0

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	719	1,493	0
Secondary	22	26	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.0	Width	4.0	21.1	8.4
Depth	0.17	Height	0.5	0.9	0.9
		W:D ratio	8.2	Entrenchment	5.1

Stream Flow Type: MF Water Temp: 4.2-4.2°C
Avg. Unit Gradient: 0.7% Habitat Units/100m: 4.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	HG	RR
Riparian Vegetation:	S	D15

Bank Condition and Shade

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

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces (≥3m x 0.15m)	10	1.4
Volume (m ³)	5	0.7
Key pieces (≥10m x 0.6m)	0	0.0

HABITAT UNIT SUMMARY

REACH 1 T3S-R3E-S43SE 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	Cbbl	Bldr	Bdrk
GLIDE	14	325	2.2	0.18	710	0	31	21	26	23	0	0
POOL-ALCOVE	1	8	1.3	0.15	10	0	100	0	0	0	0	0
POOL-BACKWATER	1	4	1.2	0.15	5	0	100	0	0	0	0	0
POOL-LATERAL SCOUR	3	49	2.0	0.38	97	0	23	18	47	12	0	0
RIFFLE	17	355	2.0	0.13	695	0	19	22	38	20	0	0
Total:	36	741	2.0	0.17	1,518	0	Avg:29	20	32	19	0	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	2	12	1.3	0.15	16	1.03	0	0.0
Scour Pools	3	49	2.0	0.38	97	6.42	0	0.0
Glides	14	325	2.2	0.18	710	46.75	0	0.0
Riffles	17	355	2.0	0.13	695	45.80	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	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

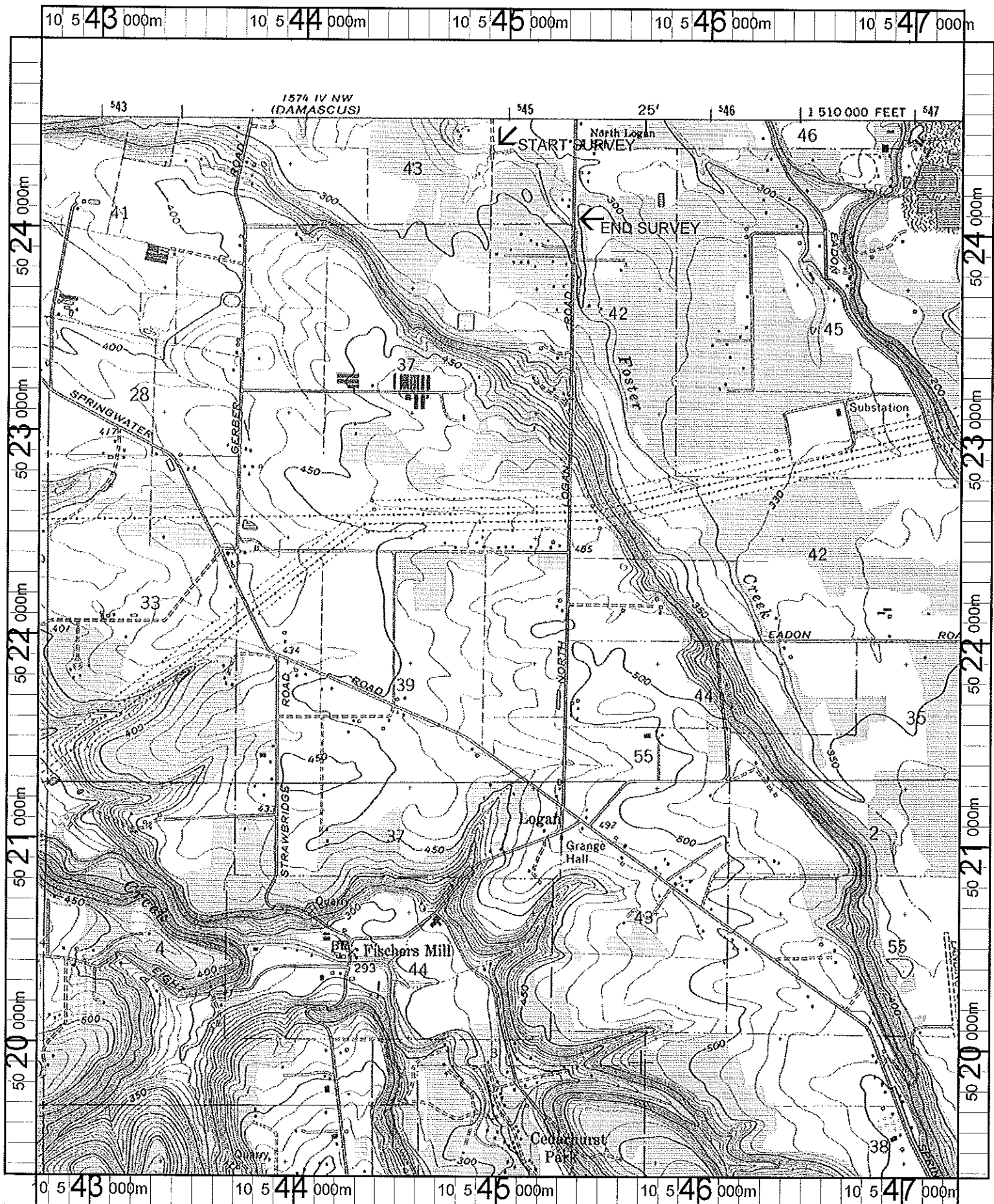
All Pools	<u>Total</u>	<u>#/Km</u>
	5	6.8
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces≥3):	0	0.0
Pool Frequency (channel widths/pool):	36.7	
Residual pool depth (avg)	0.20m	

STREAM SUMMARY

FOSTER CREEK PRE-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area					Total Large Boulder	
					S/O	Sand	Grvl	Cbbl	Bldr		Bdrk
36	741	2.0	0.17	1,518	29	20	32	19	0	0	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	97	6.4
Backwater Pools	16	1.0
Glide	710	46.8
Riffle	695	45.8
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: REDLAND
Date: 5/29/101
Scale: 1 inch equals 2000 feet

Location: 10 544892 E 5022133 N
Caption: FOSTER CREEK RESTORATION SITE - CLACKAMAS
BASIN

81