

REACH 1

T3S-R3E-63SW

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 avg: 8.3 range: 5.0-10.0

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	455	1,867	0
Secondary	41	136	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.7	Width	5.4	12.4	8.1
Depth	0.57	Height	0.5	1.1	1.5
		W:D ratio	10.3	Entrenchment	2.4

Stream Flow Type: HF Water Temp: 0.0-0.0°C
Avg. Unit Gradient: 0.7% Habitat Units/100m: 6.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	TH
Riparian Vegetation:	D15	G

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)	57	12.5
Volume (m ³)	42	9.2
Key pieces (≥10m x 0.6m)	0	0.0

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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	Cbbl	Bldr	Bdrk
CULVERT CROSSING	1	13	1.2	0.40	15	0	20	20	20	20	20	0
GLIDE	1	16	4.7	0.40	77	0	10	40	50	0	0	0
POOL-ALCOVE	1	6	3.0	0.20	18	0	90	10	0	0	0	0
POOL-BACKWATER	3	10	0.9	0.28	10	0	90	8	2	0	0	0
POOL-DAMMED	1	69	4.3	1.00	296	0	80	20	0	0	0	0
POOL-LATERAL SCOUR	14	226	4.3	0.81	1,014	0	19	29	48	5	0	0
POOL-PLUNGE	1	7	4.1	1.60	30	0	15	25	60	0	0	0
RIFFLE	9	147	3.6	0.26	538	0	12	32	54	2	0	0
STEP/COBBLE	1	1	4.0	0.20	2	0	80	20	0	0	0	0
STEP/LOG	1	1	5.3	0.40	4	0	70	30	0	0	0	0
Total:	33	496	3.7	0.57	2,004	0	Avg:31	27	39	3	1	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	5	85	2.0	0.41	323	16.14	0	0.0
Scour Pools	15	234	4.2	0.86	1,044	52.08	0	0.0
Glides	1	16	4.7	0.40	77	3.85	0	0.0
Riffles	9	147	3.6	0.26	538	26.87	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	2	1	4.7	0.30	6	0.30	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	20	40.3
Pools ≥1m deep:	5	10.1
Complex pools (LWD pieces ≥3):	6	12.1
Pool Frequency (channel widths/pool):	4.6	
Residual pool depth (avg)	0.59m	

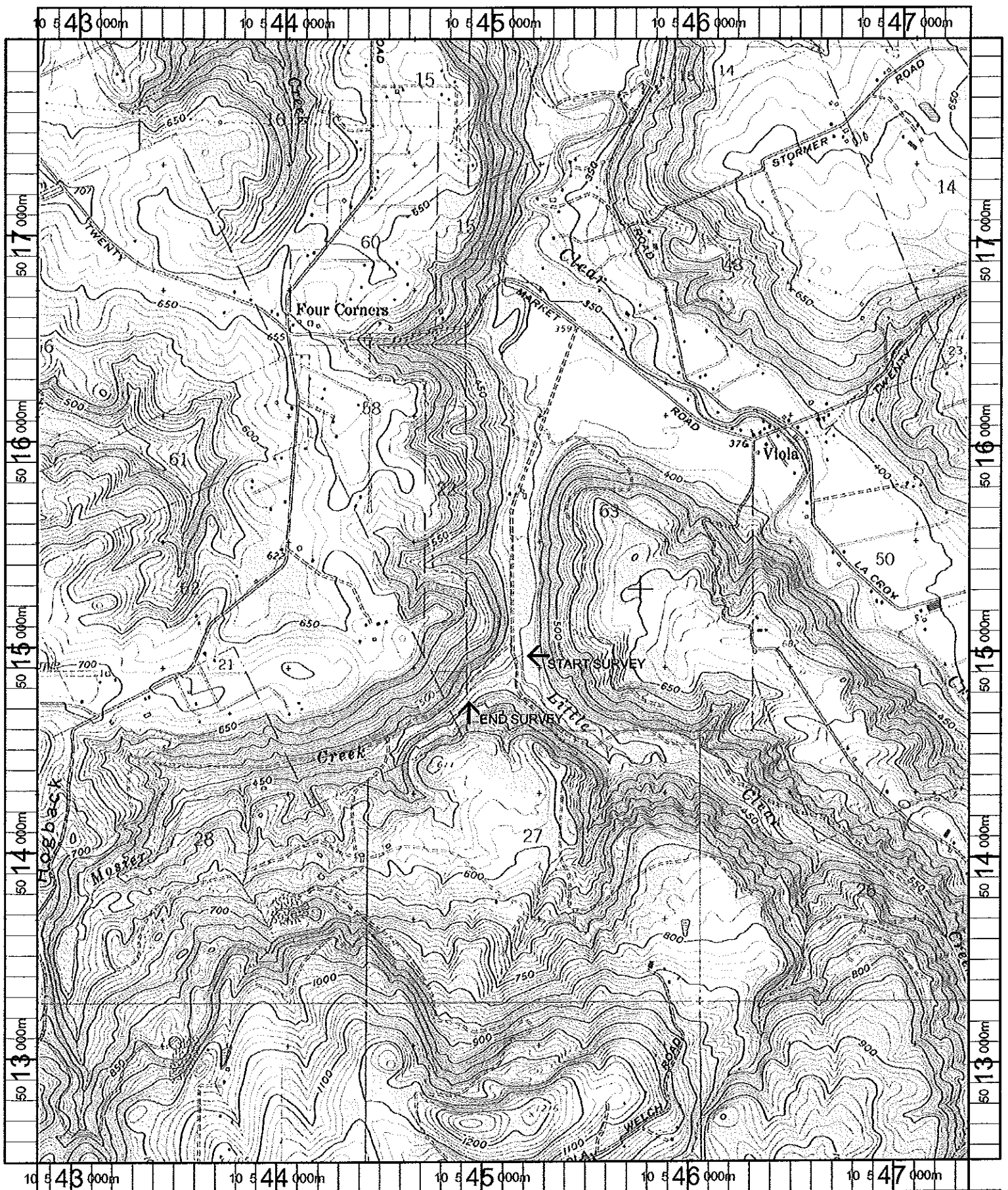
STREAM SUMMARY

MOSIER 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	
33	496	3.7	0.57	2,004	31	27	39	3	1	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	1,044	52.1
Backwater Pools	323	16.1
Glide	77	3.8
Riffle	538	26.9
Rapid	0	0.0
Cascade	0	0.0
Step	6	0.3
Dry	0	0.0



Name: REDLAND
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 544984 E 5015226 N
 Caption: MOSIER CREEK RESTORATION SITE - CLACKAMAS BASIN