

REACH 1

T22S-R11W-S20NW

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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: 4.7 range: 3.0-5.5

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	486	2,206	0
Secondary	95	167	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 3.6	Width 5.6	14.2	15.8
Depth 0.31	Height 0.5	1.0	1.3
	W:D ratio 10.8	Entrenchment 2.6	

Stream Flow Type: LF Water Temp: 8.0-8.0°C
Avg. Unit Gradient: 0.9% Habitat Units/100m: 6.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	MT
Riparian Vegetation:	D30	C50

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)	86	17.7
Volume (m ³)	65	13.4
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
GLIDE	6	136	4.5	0.25	633	0	1	26	63	8	2	0
POOL-ALCOVE	3	34	1.4	0.16	49	0	0	17	82	2	0	0
POOL-BACKWATER	5	32	2.3	0.30	88	0	4	33	62	1	0	0
POOL-ISOLATED	2	4	0.6	0.07	3	0	5	95	0	0	0	0
POOL-LATERAL SCOUR	10	159	3.9	0.72	626	0	2	20	75	4	0	0
POOL-STRAIGHT SCOUR	1	9	5.8	0.45	50	0	0	15	15	70	0	0
RAPID/BOULDERS	1	25	1.1	0.05	28	0	0	10	70	10	10	0
RIFFLE	10	169	4.3	0.08	793	0	0	7	77	15	1	0
RIFFLE W/ POCKETS	1	13	8.0	0.20	105	0	0	0	90	10	0	0
Total:	39	581	3.6	0.31	2,373	0	Avg: 1	22	68	9	1	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Wetted Area Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	10	70	1.7	0.21	139	5.86	0	0.0
Scour Pools	11	168	4.0	0.69	676	28.48	0	0.0
Glides	6	136	4.5	0.25	633	26.66	0	0.0
Riffles	11	182	4.7	0.09	898	37.83	0	0.0
Rapids	1	25	1.1	0.05	28	1.16	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>
	21	36.2
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces ≥3):	7	12.1
Pool Frequency (channel widths/pool):	4.9	
Residual pool depth (avg)	0.63m	

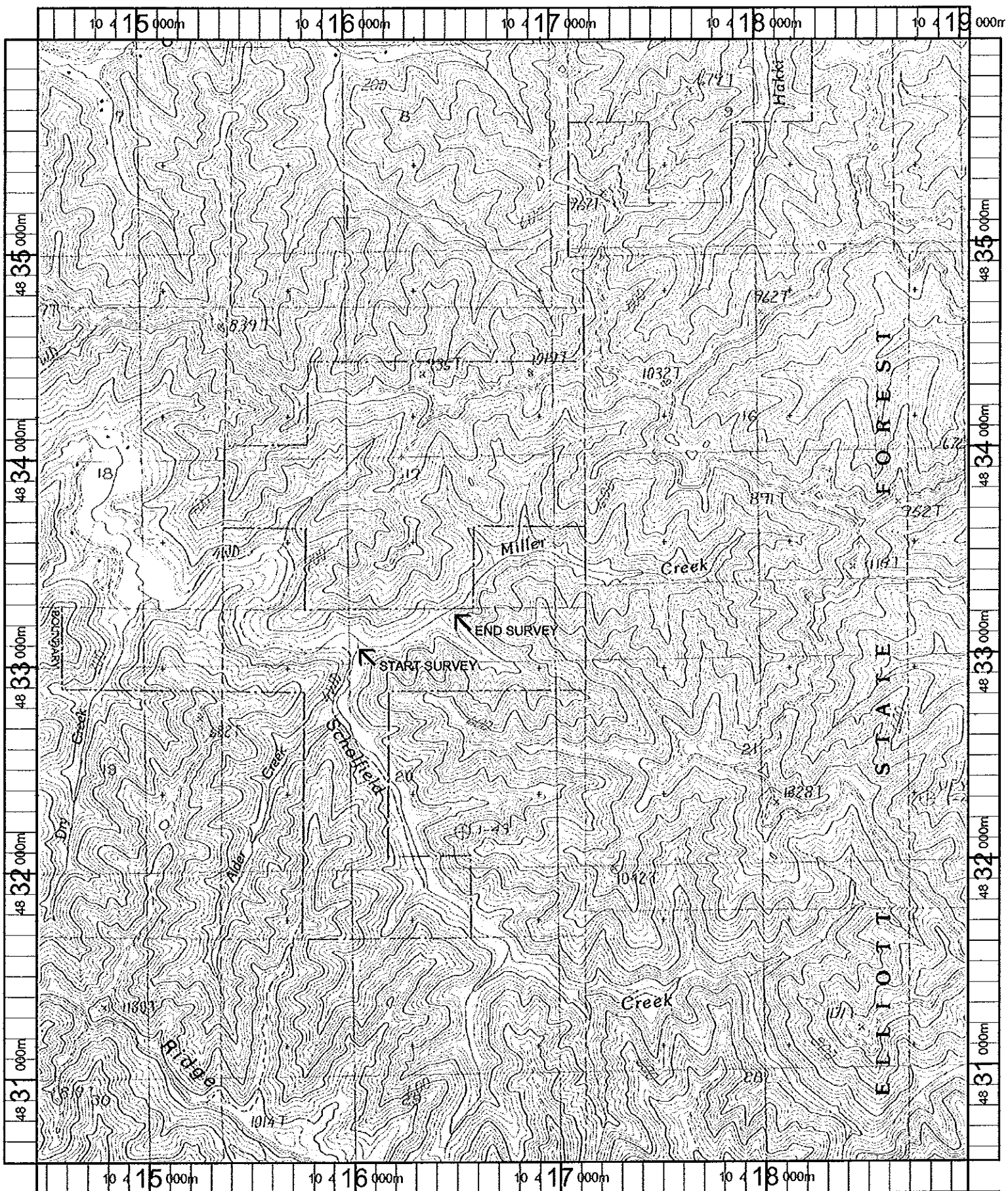
STREAM SUMMARY

MILLER CREEK (POST-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	
39	581	3.6	0.31	2,373	1	22	68	9	1	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	676	28.5
Backwater Pools	139	5.9
Glide	633	26.7
Riffle	898	37.8
Rapid	28	1.2
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



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

Location: 10 416649 E 4833273 N
 Caption: MILLER CREEK RESTORATION SITE - UMPQUA BASIN