

REACH 1

T22S-R4W-S17SW

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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	0
Moderate V-shape	0	Multiple Terraces	100
Open V-shape	0	Wide Floodplain	0

Valley Width Index avg: 2.8 range: 2.0-3.0

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	452	1,923	18
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.3	Width	4.8	5.7	7.6
Depth	0.00	Height	0.2	0.4	1.2
		W:D ratio	22.4	Entrenchment	1.3

Stream Flow Type: DR Water Temp: 0.0-0.0°C
Avg. Unit Gradient: 1.2% Habitat Units/100m: 4.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LG
Riparian Vegetation:	D3	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding	22%	Reach avg: 43%
Undercut Banks	10%	Range: 36- 50

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	90	19.9
Volume (m ³)	118	26.2
Key pieces ($\geq 10m \times 0.6m$)	2	0.4

HABITAT UNIT SUMMARY

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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
DRY UNITS	18	452	4.3	0.00	1,923	0	3	19	74	4	0	0
Total:	18	452	4.3	0.00	1,923	0	Avg: 3	19	74	4	0	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders Number	Boulders #/100m ²
					(m ²)	Percent		
Dammed & BW Pools	0	0	-	-	0	0.00	0	0.0
Scour Pools	0	0	-	-	0	0.00	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	0	0	-	-	0	0.00	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	18	452	4.3	0.00	1,923	100.00	0	0.0

POOL SUMMARY

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

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	
18	452	4.3	0.00	1,923	3	19	74	4	0	0	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	0	0.0
Backwater Pools	0	0.0
Glide	0	0.0
Riffle	0	0.0
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	1,923	**.*

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RIPARIAN ZONE VEGETATION SUMMARY

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

Total hardwoods/1000 ft	2,032
Total conifers/1000 ft	122
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	6.0	0.0	11.3	0.3	9.7	0.3	27.0
15-30cm	0.7	0.7	0.0	1.3	0.7	2.3	1.3	4.3
30-50cm	0.0	0.0	0.0	1.0	0.3	1.0	0.3	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/100m ²	0.7	6.7	0.0	13.7	1.3	13.0	0.7	11.1

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	58		80		77	
Shrub cover	13		33		18	
Grass/forb cover	72		33		36	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	0		83		100
High terrace	67		17		0	
Low terrace	33		0		0	
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 (%)	0		49		56	

Summary of Riparian Zone (0-30m) for all reaches (3 transects)

Summary of riparian zone (0-100ft) extrapolated to 1,000 feet along stream

Total hardwoods/1000 ft	2,032
Total conifers/1000 ft	122
Total conifers >20" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

<u>Diameter</u> <u>class (cm)</u>	<u>Zones 1-3</u>	
	<u>Conifer</u>	<u>Hardwood</u>
3-15cm	0.3	27.0
15-30cm	1.3	4.3
30-50cm	0.3	2.0
50-90cm	0.0	0.0
>90cm	0.0	0.0

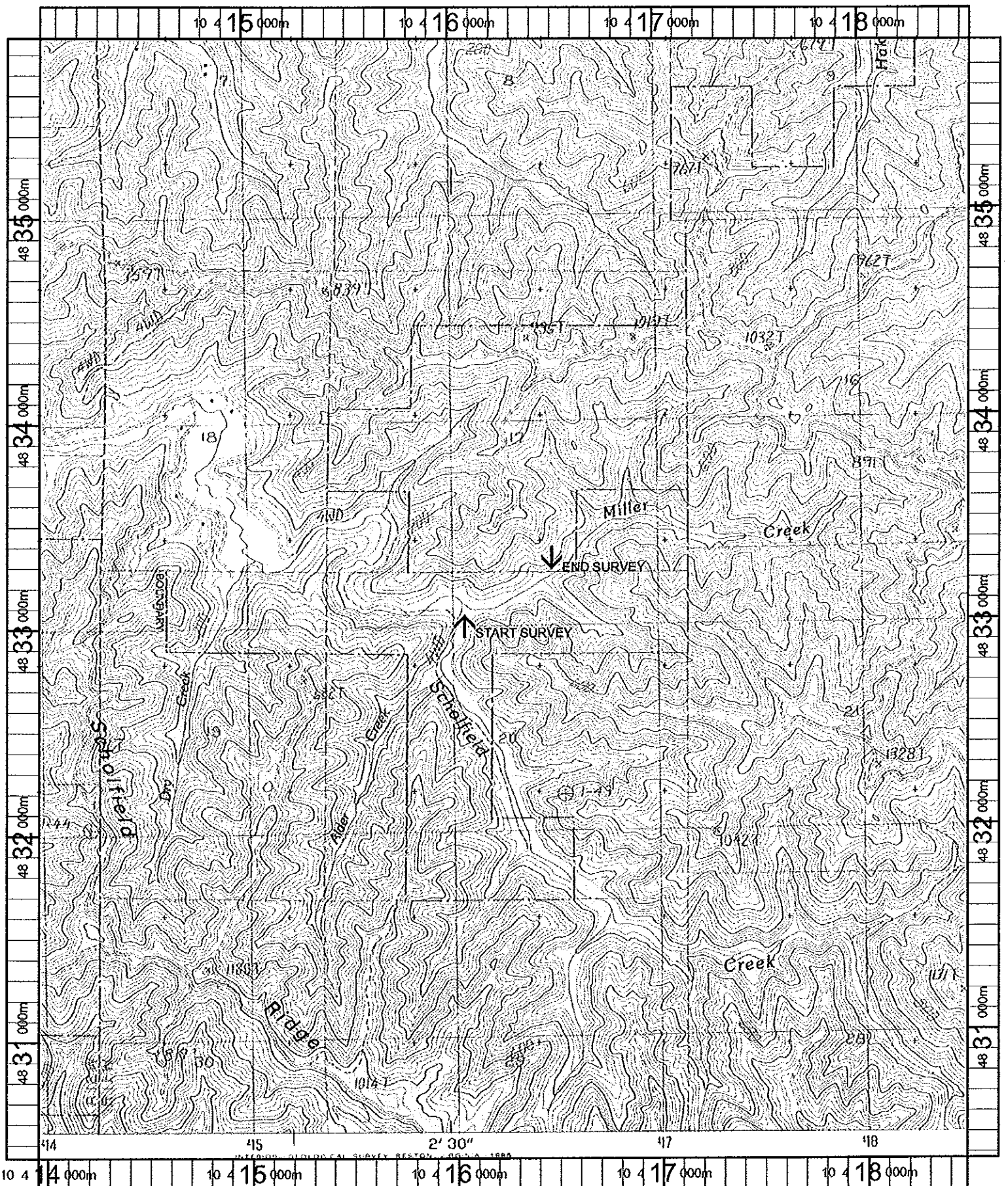
RIPARIAN ZONE VEGETATION

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VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
5	LF	1	LT	0.0	60	20	60	Conifer	0	2	0	0	0	
								Hardwood	0	0	0	0	0	ROAD, CUT STUMPS
5	LF	2	HS	65.0	80	80	0	Conifer	0	0	0	0	0	
								Hardwood	7	0	0	0	0	
5	LF	3	HS	65.0	80	20	20	Conifer	0	0	0	0	0	
								Hardwood	5	1	0	0	0	
5	RT	1	LT	0.0	45	35	40	Conifer	0	0	0	0	0	
								Hardwood	6	0	0	0	0	
5	RT	2	HS	55.0	80	20	5	Conifer	0	0	0	0	0	
								Hardwood	10	0	0	0	0	
5	RT	3	HS	55.0	90	25	5	Conifer	0	0	0	0	0	
								Hardwood	5	0	0	0	0	
10	LF	1	HT	0.0	60	0	80	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	ROAD IN RIPARIAN
10	LF	2	HS	55.0	90	5	40	Conifer	0	0	0	0	0	
								Hardwood	0	3	1	0	0	
10	LF	3	HS	60.0	85	10	30	Conifer	0	0	1	0	0	
								Hardwood	8	1	1	0	0	
10	RT	1	HT	0.0	50	5	80	Conifer	0	0	0	0	0	
								Hardwood	5	1	0	0	0	
10	RT	2	HS	60.0	90	80	10	Conifer	0	0	0	0	0	
								Hardwood	12	0	0	0	0	
10	RT	3	HS	60.0	60	40	20	Conifer	0	0	0	0	0	
								Hardwood	3	1	1	0	0	
15	LF	1	HT	0.0	65	5	90	Conifer	0	0	0	0	0	
								Hardwood	4	1	0	0	0	ROAD IN RIPARIAN
15	LF	2	HT	0.0	70	5	80	Conifer	0	0	0	0	0	
								Hardwood	5	0	0	0	0	
15	LF	3	HS	15.0	70	0	70	Conifer	0	0	0	0	0	
								Hardwood	8	4	0	0	0	
15	RT	1	HT	0.0	65	10	80	Conifer	0	0	0	0	0	
								Hardwood	3	0	0	0	0	
15	RT	2	HS	60.0	70	10	60	Conifer	0	0	0	0	0	
								Hardwood	0	1	2	0	0	
15	RT	3	HS	80.0	75	10	70	Conifer	1	2	0	0	0	
								Hardwood	0	0	1	0	0	



Name: REEDSPORT
 Date: 11/8/100
 Scale: 1 inch equals 2000 feet

Location: 10 416151 E 4833112 N
 Caption: MILLER CREEK RESTORATION SITE - UMPQUA BASIN