

REACH SUMMARY

REACH 1

T19S-R6W-28SW

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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: 6.4 range: 5.0-8.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	0	Braided Channel	0
Alt. Terrace/Hill	100		
Landuse	0		

Channel Characteristics

<u>Type</u>	<u>Length(m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	507	2,281	0
Secondary	31	39	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.7	Width	6.5	7.7	7.9
Depth	0.34	Height	0.4	0.7	1.1
		W:D ratio	18.5	Entrenchment	1.2

Stream Flow Type: MF Water Temp: 13.0-13.0°C
Avg. Unit Gradient: 0.7% Habitat Units/100m: 7.1

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding	1%	Reach avg: 97%
Undercut Banks	39%	Range: 69-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	68	13.4
Volume (m ³)	85	16.7

Key pieces ($\geq 10\text{m} \times 0.6\text{m}$)

3

0.6

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
GLIDE	1	5	3.6	0.10	17	0	0	5	5	0	0	90
POOL-LATERAL SCOUR	20	376	4.3	0.57	1,727	0	11	14	21	21	1	33
RIFFLE	7	80	3.1	0.10	270	2	30	8	24	32	1	5
RIFFLE W/ POCKETS	2	58	4.2	0.20	250	1	5	13	23	18	0	43
STEP/BEDROCK	2	4	3.6	0.03	14	0	0	0	0	0	0	100
STEP/COBBLE	4	13	3.3	0.08	39	0	4	8	18	70	0	1
STEP/LOG	2	2	0.9	0.03	2	0	98	0	3	0	0	0
Total:	38	538	3.7	0.34	2,320	3	Avg:17	10	19	25	1	28

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	0	0	-	-	0	0.00	0	0.0
Scour Pools	20	376	4.3	0.57	1,727	74.47	0	0.0
Glides	1	5	3.6	0.10	17	0.75	0	0.0
Riffles	9	138	3.3	0.12	520	22.42	3	0.6
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	8	18	2.8	0.05	55	2.36	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	20	37.2
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces≥3):	12	22.3
Pool Frequency (channel widths/pool):	4.1	
Residual pool depth (avg)	0.51m	

STREAM SUMMARY

DOGWOOD CREEK (POST SUM 00)

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	
38	538	3.7	0.34	2,320	17	10	19	25	1	28	3

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	1,727	74.5
Backwater Pools	0	0.0
Glide	17	0.7
Riffle	520	22.4
Rapid	0	0.0
Cascade	0	0.0
Step	55	2.4
Dry	0	0.0

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RIPARIAN ZONE VEGETATION SUMMARY

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

Total hardwoods/1000 ft	975
Total conifers/1000 ft	163
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	3.3	1.7	2.0	0.0	2.7	1.7	8.0
15-30cm	0.0	4.7	0.0	1.0	0.0	1.3	0.0	7.0
30-50cm	0.0	0.3	0.7	0.3	0.3	0.0	1.0	0.7
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	0.3	0.0	0.0	0.0	0.3
Total/100m ²	0.0	8.3	2.3	3.7	0.3	4.0	0.9	5.3

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	88		73		50	
Shrub cover	40		38		39	
Grass/forb cover	47		50		55	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	17		17		50
High terrace	0		0		0	
Low terrace	83		83		50	
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 (%)	13		13		19	

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	975
Total conifers/1000 ft	163
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	1.7	8.0
15-30cm	0.0	7.0
30-50cm	1.0	0.7
50-90cm	0.0	0.0
>90cm	0.0	0.3

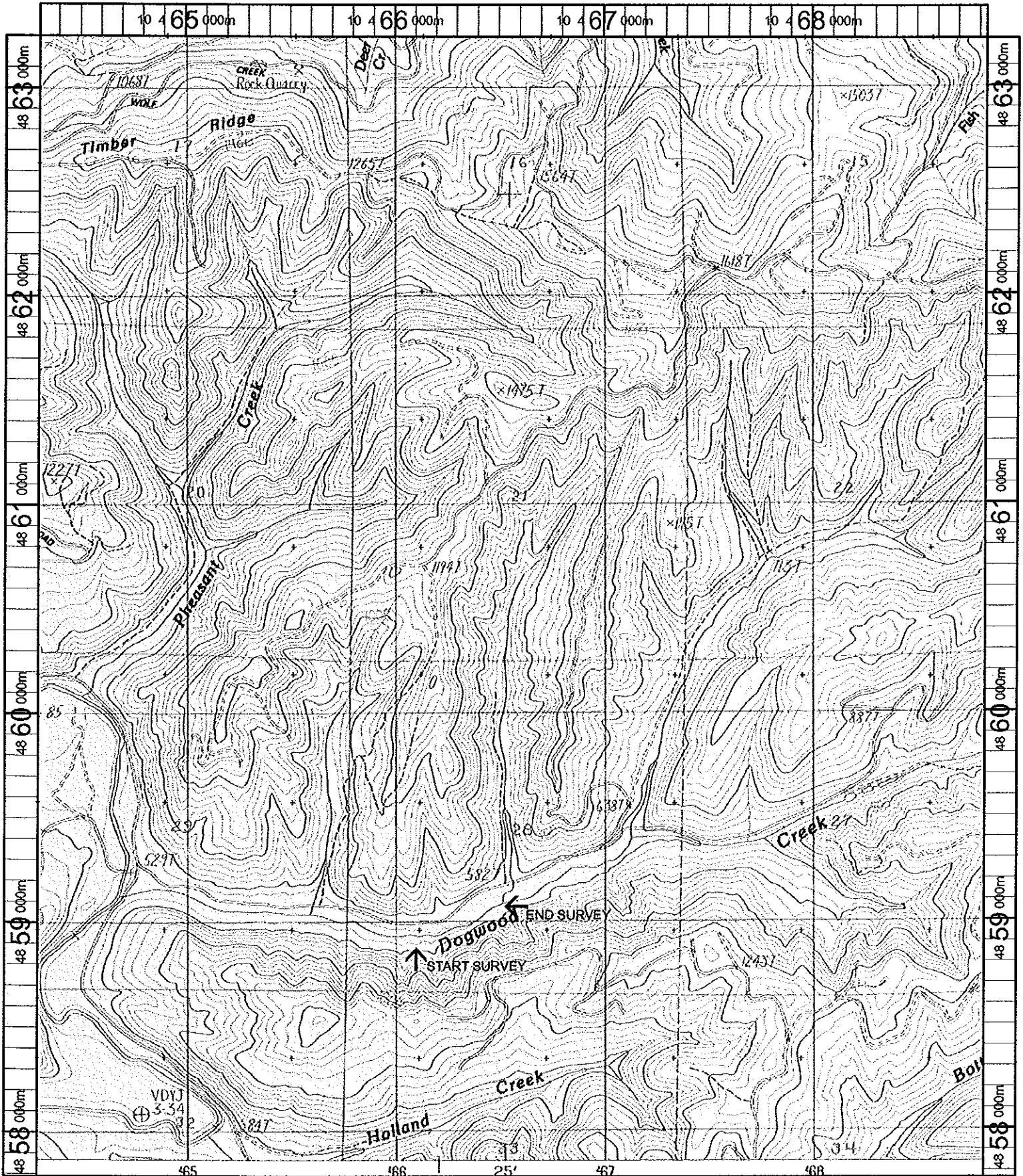
RIPARIAN ZONE VEGETATION

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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	
10	LF	1	LT	0.0	100	80	20	Conifer	0	0	0	0	0	
								Hardwood	5	2	0	0	0	BL MAPLE
10	LF	2	LT	0.0	5	85	15	Conifer	0	0	0	0	0	
								Hardwood	3	0	0	0	0	BL MAPLE
10	LF	3	HS	26.0	0	10	90	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	THISTLES, YOUNG CON
10	RT	1	LT	0.0	100	60	40	Conifer	0	0	0	0	0	
								Hardwood	2	4	1	0	0	V MAPLE, FERN, ALDE
10	RT	2	LT	0.0	100	50	50	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	1	2.8M DIAM BL MAPLE,
10	RT	3	LT	0.0	80	80	20	Conifer	0	0	0	0	0	
								Hardwood	1	0	0	0	0	BL MAPLE, BLACKBERR
19	LF	1	LT	0.0	90	30	50	Conifer	0	0	0	0	0	
								Hardwood	0	2	0	0	0	20% BARE, V MAPLE,
19	LF	2	LT	0.0	100	5	40	Conifer	4	0	1	0	0	
								Hardwood	1	0	1	0	0	55% BARE, D FIR, AL
19	LF	3	LT	0.0	60	20	60	Conifer	0	0	1	0	0	
								Hardwood	4	0	0	0	0	20% BARE, ALDER, D
19	RT	1	HS	75.0	80	10	60	Conifer	0	0	0	0	0	
								Hardwood	3	1	0	0	0	30% BARE, ALDER
19	RT	2	HS	75.0	80	5	90	Conifer	1	0	1	0	0	
								Hardwood	1	1	0	0	0	5% BARE, W. RED CED
19	RT	3	HS	75.0	70	5	90	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	5% GROUND
28	LF	1	LT	0.0	70	10	60	Conifer	0	0	0	0	0	
								Hardwood	0	2	0	0	0	30% BARE
28	LF	2	LT	0.0	60	10	80	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	5% BARE
28	LF	3	HS	15.0	0	70	30	Conifer	0	0	0	0	0	
								Hardwood	0	2	0	0	0	8 YOUNG D. FIR - TO
28	RT	1	LT	0.0	90	50	50	Conifer	0	0	0	0	0	
								Hardwood	0	3	0	0	0	ALDER
28	RT	2	LT	0.0	90	70	25	Conifer	0	0	0	0	0	
								Hardwood	1	2	0	0	0	BIG LEAF MAPLE
28	RT	3	LT	0.0	90	50	40	Conifer	0	0	0	0	0	
								Hardwood	3	2	0	0	0	10% BARE, BL MAPLE



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

Location: 10 466457 E 4860493 N
 Caption: DOGWOOD CREEK RESTORATION SITE - SIUSLAW BASIN