

REACH 1

T11S-R9W-34SW

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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: 4.2 range: 2.5-6.0

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	263	1,516	0
Secondary	2	2	0

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	5.1	Width	6.7		7.8		8.6
Depth	0.30	Height	0.5		1.1		1.1
		W:D ratio	14.7	Entrenchment	1.2		

Stream Flow Type: MF Water Temp: 12.5-12.5°C
 Avg. Unit Gradient: 1.8% Habitat Units/100m: 4.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	ST
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: 94%
Undercut Banks	1%	Range: 78-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	17	6.5
Volume (m ³)	15	5.9
Key pieces ($\geq 10m \times 0.6m$)	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	1	30	4.4	0.25	132	3	22	56	11	11	0	0
POOL-BACKWATER	1	2	0.9	0.10	2	0	100	0	0	0	0	0
POOL-DAMMED	1	40	8.1	0.80	321	0	67	24	5	5	0	0
POOL-LATERAL SCOUR	3	57	4.7	0.48	288	1	42	36	7	11	4	0
RAPID/BOULDERS	2	46	4.9	0.30	225	60	5	17	5	44	29	0
RIFFLE	4	84	6.2	0.14	523	43	4	17	46	19	14	0
STEP/COBBLE	1	7	4.2	0.10	28	0	0	6	94	0	0	0
Total:	13	265	5.1	0.30	1,518	107	Avg:26	23	25	16	10	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	42	4.5	0.45	323	21.25	0	0.0
Scour Pools	3	57	4.7	0.48	288	18.96	1	0.3
Glides	1	30	4.4	0.25	132	8.70	3	2.3
Riffles	4	84	6.2	0.14	523	34.44	43	8.2
Rapids	2	46	4.9	0.30	225	14.82	60	26.7
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	1	7	4.2	0.10	28	1.82	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	5	18.9
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces ≥3):	2	7.5
Pool Frequency (channel widths/pool):	7.9	
Residual pool depth (avg)	0.40m	

STREAM SUMMARY

DEER CREEK #1 (PRE SUM 99)

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
13	265	5.1	0.30	1,518	26	23	25	16	10	0	107

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	288	19.0
Backwater Pools	323	21.3
Glide	132	8.7
Riffle	523	34.4
Rapid	225	14.8
Cascade	0	0.0
Step	28	1.8
Dry	0	0.0

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RIPARIAN ZONE VEGETATION SUMMARY

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Summary of Riparian Zone (0-30m) (1 transects)

Total hardwoods/1000 ft	488
Total conifers/1000 ft	61
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	4.0	0.0	0.0	0.0	0.0	0.0	4.0
15-30cm	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
30-50cm	0.0	3.0	0.0	0.0	1.0	0.0	1.0	3.0
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	0.0	8.0	0.0	0.0	1.0	0.0	0.3	2.7

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	70		43		10	
Shrub cover	80		40		48	
Grass/forb cover	20		28		5	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	50		0		100
High terrace	50		50		0	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		50		0	
Riprap	0		0		0	
Surface slope (%)	13		0		20	

Summary of Riparian Zone (0-30m) for all reaches (1 transects)

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

Total hardwoods/1000 ft	488
Total conifers/1000 ft	61
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	0.0	4.0
15-30cm	0.0	1.0
30-50cm	1.0	3.0
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	
9	LF	1	HT	0.0	80	70	30	Conifer	0	0	0	0	0	
								Hardwood	1	1	3	0	0	
9	LF	2	HT	0.0	85	50	50	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
9	LF	3	HS	15.0	20	90	10	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
9	RT	1	HS	25.0	60	90	10	Conifer	0	0	0	0	0	
								Hardwood	3	0	0	0	0	
9	RT	2	RB	0.0	0	30	5	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
9	RT	3	HS	25.0	0	5	0	Conifer	0	0	1	0	0	
								Hardwood	0	0	0	0	0	ACTIVE LOGGING, SLO

