

REACH SUMMARY

REACH 1

T38S-R14W-S14SE

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

Valley Width Index avg: 2.1 range: 1.5-3.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	0	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	796	5,328	0
Secondary	91	152	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 5.7	Width 14.9	20.9	17.9
Depth 0.64	Height 0.9	1.9	2.1
	W:D ratio 16.1	Entrenchment 1.4	

Stream Flow Type: HF Water Temp: 9.0-9.0°C
Avg. Unit Gradient: 3.4% Habitat Units/100m: 5.4

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D30	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 ($\geq 3m \times 0.15m$)	108	13.6
Volume (m ³)	64	8.1
Key pieces ($\geq 10m \times 0.6m$)	0	0.0

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
CASCADE/BOULDERS	8	240	6.4	0.45	1,533	0	0	0	15	42	43	0
POOL-ALCOVE	3	22	1.5	0.25	22	0	7	37	57	0	0	0
POOL-BACKWATER	5	16	2.3	0.41	37	0	2	15	57	9	18	0
POOL-LATERAL SCOUR	3	43	7.7	1.17	323	0	0	0	32	25	43	0
POOL-PLUNGE	8	93	7.0	1.28	666	0	0	0	30	25	43	3
POOL-STRAIGHT SCOUR	5	82	4.7	0.90	401	0	0	0	18	36	46	0
RAPID/BOULDERS	10	329	6.4	0.45	2,065	0	0	0	19	27	53	0
RIFFLE	2	62	7.3	0.35	422	0	0	0	40	45	15	0
STEP/LOG	1	1	6.0	0.15	3	0	0	0	10	60	30	0
STEP/STRUCTURE	3	1	6.5	0.22	9	0	0	0	0	37	63	0
Total:	48	887	5.7	0.64	5,480	0	Avg: 1	4	27	28	40	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Area Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	8	37	2.0	0.35	59	1.08	0	0.0
Scour Pools	16	218	6.4	1.14	1,389	25.35	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	2	62	7.3	0.35	422	7.70	0	0.0
Rapids	10	329	6.4	0.45	2,065	37.68	0	0.0
Cascades	8	240	6.4	0.45	1,533	27.97	0	0.0
Step/Falls	4	2	6.4	0.20	12	0.22	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	24	27.0
Pools ≥1m deep:	12	13.5
Complex pools (LWD pieces ≥3):	7	7.9
Pool Frequency (channel widths/pool):	2.5	
Residual pool depth (avg)	0.70m	

STREAM SUMMARY

DEEP 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	
48	887	5.7	0.64	5,480	1	4	27	28	40	0	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	1,389	25.4
Backwater Pools	59	1.1
Glide	0	0.0
Riffle	422	7.7
Rapid	2,065	37.7
Cascade	1,533	28.0
Step	12	0.2
Dry	0	0.0