

REACH SUMMARY

REACH 1

T20S-R7W-S4SE

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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: 6.9 range: 4.5-9.0

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	495	2,075	0
Secondary	61	251	1

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	4.2	Width	7.4		11.0		13.7
Depth	0.23	Height	0.4		0.7		1.5
		W:D ratio	18.6	Entrenchment	1.5		

Stream Flow Type: LF Water Temp: 7.0-7.0°C
Avg. Unit Gradient: 1.2% Habitat Units/100m: 5.4

Riparian, Bank, and Wood Summary

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

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)	44	8.9
Volume (m ³)	34	6.8
Key pieces (≥10m x 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
DRY UNITS	1	21	5.2	0.00	107	0	5	45	45	5	0	0
GLIDE	1	18	2.9	0.30	52	0	10	20	20	10	0	40
POOL-ISOLATED	1	5	1.4	0.25	7	0	80	20	0	0	0	0
POOL-LATERAL SCOUR	8	111	4.8	0.48	559	0	10	21	17	6	1	45
POOL-STRAIGHT SCOUR	1	16	3.9	0.50	62	0	5	10	5	0	0	80
RAPID/BEDROCK	2	36	3.6	0.07	124	0	0	0	0	0	0	100
RIFFLE	16	350	4.3	0.11	1,414	0	5	12	35	11	1	35
Total:	30	556	4.2	0.23	2,326	0	Avg: 9	15	26	8	1	41

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	1	5	1.4	0.25	7	0.29	0	0.0
Scour Pools	9	127	4.7	0.48	621	26.72	0	0.0
Glides	1	18	2.9	0.30	52	2.24	0	0.0
Riffles	16	350	4.3	0.11	1,414	60.82	0	0.0
Rapids	2	36	3.6	0.07	124	5.35	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	0	0	-	-	0	0.00	0	0.0
Dry	1	21	5.2	0.00	107	4.58	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	10	18.0
Pools $\geq 1m$ deep:	0	0.0
Complex pools (LWD pieces ≥ 3):	3	5.4
Pool Frequency (channel widths/pool):	7.5	
Residual pool depth (avg)	0.39m	

STREAM SUMMARY

OXBOW 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	
30	556	4.2	0.23	2,326	9	15	26	8	1	41	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	621	26.7
Backwater Pools	7	0.3
Glide	52	2.2
Riffle	1,414	60.8
Rapid	124	5.3
Cascade	0	0.0
Step	0	0.0
Dry	107	4.6



Name: GUNTER
 Date: 10/3/101
 Scale: 1 inch equals 2000 feet

Location: 10 456978 E 4855224 N
 Caption: OXBOW CREEK RESTORATION SITE - SIUSLAW
 BASIN