

REACH 1

T11S-R9W-S13SW

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

Valley Width Index avg: 3.0 range: 3.0-3.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	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	352	1,951	0
Secondary	35	91	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.0	Width	7.0	11.9	12.5
Depth	0.50	Height	0.8	1.5	1.6
		W:D ratio	9.4	Entrenchment	1.7

Stream Flow Type: HF Water Temp: 0.0-0.0°C
 Avg. Unit Gradient: 1.6% Habitat Units/100m: 8.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D30	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)	54	15.3
Volume (m ³)	126	35.8
Key pieces (≥10m x 0.6m)	10	2.8

REACH 1

T11S-R9W-S13SW

REACH 1

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/BEDROCK	1	24	4.0	0.15	95	0	0	0	0	0	0	100
POOL-ALCOVE	1	9	2.3	0.30	21	0	100	0	0	0	0	0
POOL-BACKWATER	4	21	3.2	0.38	64	0	26	26	23	7	0	18
POOL-DAMMED	1	18	7.8	0.80	141	0	8	25	17	0	0	50
POOL-ISOLATED	1	5	1.2	0.50	7	0	100	0	0	0	0	0
POOL-LATERAL SCOUR	8	103	6.2	0.84	604	0	6	13	36	10	1	34
POOL-STRAIGHT SCOUR	3	43	5.6	0.67	237	0	0	8	31	7	2	52
RAPID/BEDROCK	2	64	5.1	0.33	335	0	5	10	34	5	0	47
RAPID/BOULDERS	4	46	5.3	0.30	242	0	1	3	57	16	7	16
RIFFLE	4	54	5.6	0.29	293	0	5	23	46	10	0	17
STEP/LOG	2	1	4.3	0.20	3	0	0	0	20	30	0	50
Total:	31	388	5.0	0.50	2,042	0	Avg:13	12	33	10	1	32

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	7	53	3.4	0.44	232	11.35	0	0.0
Scour Pools	11	146	6.0	0.79	842	41.22	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	4	54	5.6	0.29	293	14.36	0	0.0
Rapids	6	110	5.3	0.31	577	28.26	0	0.0
Cascades	1	24	4.0	0.15	95	4.64	0	0.0
Step/Falls	2	1	4.3	0.20	3	0.16	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	18	46.5
Pools ≥1m deep:	1	2.6
Complex pools (LWD pieces ≥3):	4	10.3
Pool Frequency (channel widths/pool):	3.1	
Residual pool depth (avg)	0.54m	

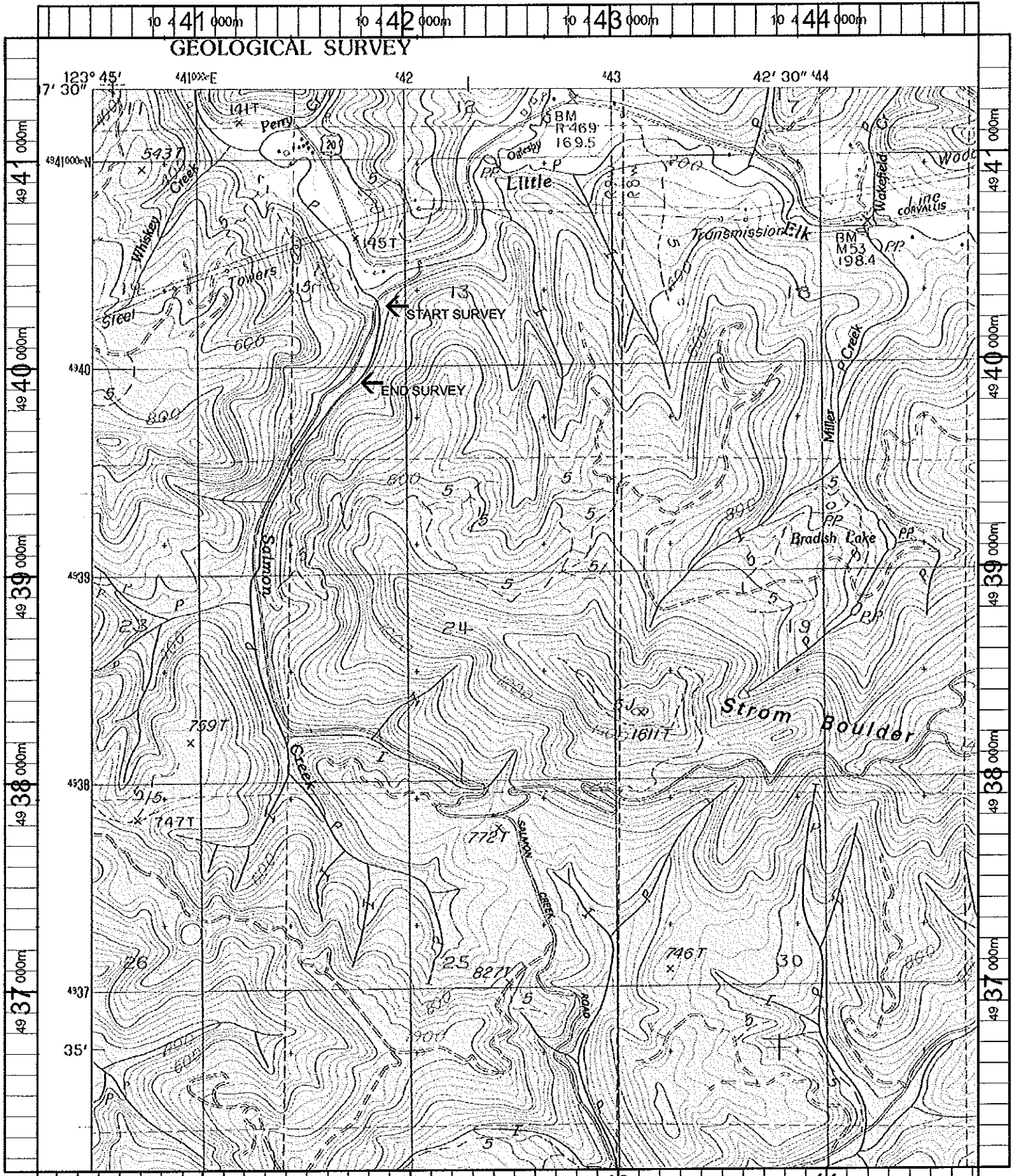
STREAM SUMMARY

SALMON 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	
31	388	5.0	0.50	2,042	13	12	33	10	1	32	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	842	41.2
Backwater Pools	232	11.4
Glide	0	0.0
Riffle	293	14.4
Rapid	577	28.3
Cascade	95	4.6
Step	3	0.2
Dry	0	0.0



Name: HARLAN
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 442388 E 4938832 N
 Caption: SALMON CREEK RESTORATION SITE - YAQUINA BASIN