

REACH 1

T10S-R9W-S15SE

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	0
Open V-shape	0	Wide Floodplain	100

Valley Width Index avg: 3.9 range: 2.0-5.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	100
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	509	2,039	0
Secondary	56	144	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.7	Width	7.5	26.5	7.7
Depth	0.57	Height	0.8	1.6	1.3
		W:D ratio	9.4	Entrenchment	3.9

Stream Flow Type: MF Water Temp: 7.5-7.5°C
Avg. Unit Gradient: 0.6% Habitat Units/100m: 7.8

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	YT
Riparian Vegetation:	D15	M15

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 ($\geq 3m \times 0.15m$)	46	9.0
Volume (m ³)	115	22.7
Key pieces ($\geq 10m \times 0.6m$)	5	1.0

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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
CASCADE/BEDROCK	1	3	0.4	0.20	1	0	0	0	0	0	0	100
GLIDE	1	24	3.7	0.20	89	0	0	20	80	0	0	0
POOL-ALCOVE	1	21	3.0	0.45	62	0	100	0	0	0	0	0
POOL-BACKWATER	5	31	2.7	0.62	80	0	88	10	2	0	0	0
POOL-LATERAL SCOUR	17	240	4.2	0.80	1,015	0	8	19	58	1	0	14
POOL-STRAIGHT SCOUR	2	26	4.0	0.68	102	0	10	15	38	3	0	35
RAPID/BOULDERS	1	7	4.5	0.50	29	0	10	45	45	0	0	0
RIFFLE	14	212	3.8	0.37	803	0	0	11	62	4	0	22
STEP/BEDROCK	1	2	0.5	0.20	1	0	100	0	0	0	0	0
STEP/LOG	1	0	3.7	0.20	1	0	100	0	0	0	0	0
Total:	44	565	3.7	0.57	2,183	0	Avg:21	14	47	2	0	16

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	6	52	2.8	0.59	142	6.48	0	0.0
Scour Pools	19	266	4.2	0.79	1,117	51.18	0	0.0
Glides	1	24	3.7	0.20	89	4.07	0	0.0
Riffles	14	212	3.8	0.37	803	36.78	0	0.0
Rapids	1	7	4.5	0.50	29	1.34	0	0.0
Cascades	1	3	0.4	0.20	1	0.05	0	0.0
Step/Falls	2	2	2.1	0.20	2	0.10	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	25	44.3
Pools ≥1m deep:	3	5.3
Complex pools (LWD pieces ≥3):	6	10.6
Pool Frequency (channel widths/pool):	3.0	
Residual pool depth (avg)	0.49m	

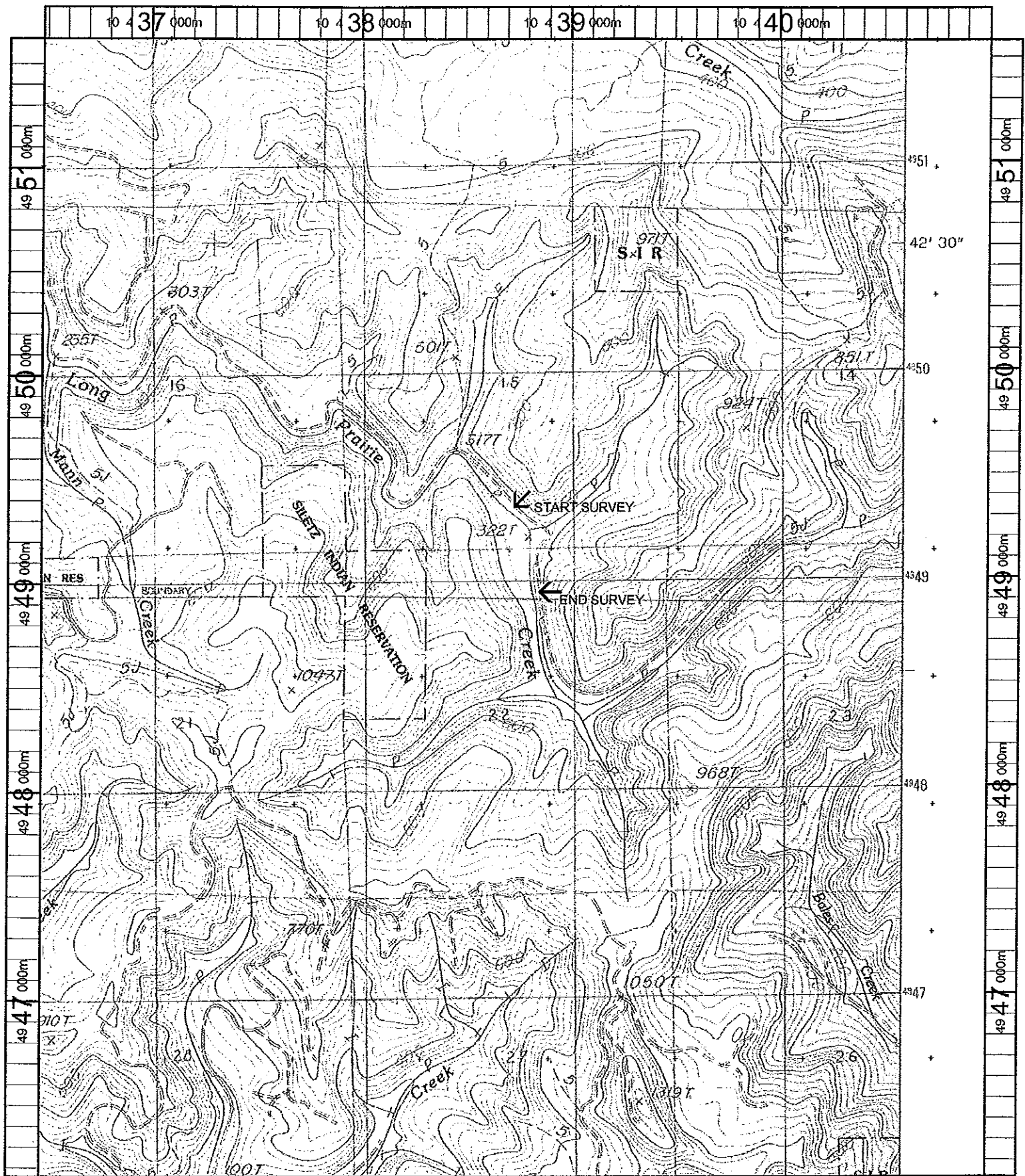
STREAM SUMMARY

UPPER LONG PRAIRIE POST-WINTER

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	
44	565	3.7	0.57	2,183	21	14	47	2	0	16	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	1,117	51.2
Backwater Pools	142	6.5
Glide	89	4.1
Riffle	803	36.8
Rapid	29	1.3
Cascade	1	**.*
Step	2	0.1
Dry	0	0.0



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

Location: 10 438617 E 4948855 N
 Caption: LONG PRAIRIE CREEK UPPER RESTORATION SITE - SILETZ BASIN