

REACH SUMMARY

REACH 1

T5N-R9W-S7SE

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: 7.5 range: 6.0-10.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	100
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	545	4,099	0
Secondary	359	961	7

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.7	Width	11.3	38.0	19.0
Depth	0.42	Height	0.5	0.9	0.9
		W:D ratio	22.6	Entrenchment	3.4

Stream Flow Type: HF Water Temp: 3.0-3.0°C
Avg. Unit Gradient: 1.3% Habitat Units/100m: 6.3

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	C30	

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 ($\geq 3m \times 0.15m$)	133	24.4
Volume (m ³)	395	72.4
Key pieces ($\geq 10m \times 0.6m$)	46	8.4

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 CHANNEL	2	39	3.0	0.00	119	0	0	5	23	45	28	0
DRY UNITS	2	13	1.2	0.00	12	0	28	35	20	18	0	0
POOL-ALCOVE	1	25	4.0	0.70	100	0	13	4	13	67	4	0
POOL-BACKWATER	6	28	3.2	0.28	98	0	7	34	32	23	4	0
POOL-ISOLATED	1	2	2.2	0.50	4	0	0	5	10	30	55	0
POOL-LATERAL SCOUR	18	246	6.7	0.78	1,655	0	2	4	33	41	20	0
POOL-PLUNGE	1	11	9.2	1.10	98	0	3	7	60	25	5	0
POOL-STRAIGHT SCOUR	3	22	6.5	0.52	151	0	6	39	27	27	2	0
PUDDLED CHANNEL	3	85	2.3	0.25	139	0	5	7	20	47	22	0
RAPID/BOULDERS	1	26	9.3	0.20	238	0	0	2	23	35	40	0
RIFFLE	16	400	6.3	0.19	2,385	0	2	7	33	43	15	0
STEP/COBBLE	2	8	7.9	0.20	58	0	0	0	23	50	28	0
STEP/LOG	1	1	7.6	0.10	4	0	2	10	30	38	20	0
Total:	57	904	5.7	0.42	5,060	0	Avg: 4	11	30	39	16	0

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	8	55	3.1	0.36	202	3.99	0	0.0
Scour Pools	22	279	6.8	0.76	1,903	37.61	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	16	400	6.3	0.19	2,385	47.14	0	0.0
Rapids	1	26	9.3	0.20	238	4.71	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	3	8	7.8	0.17	62	1.22	0	0.0
Dry	7	136	2.2	0.11	270	5.34	0	0.0

POOL SUMMARY

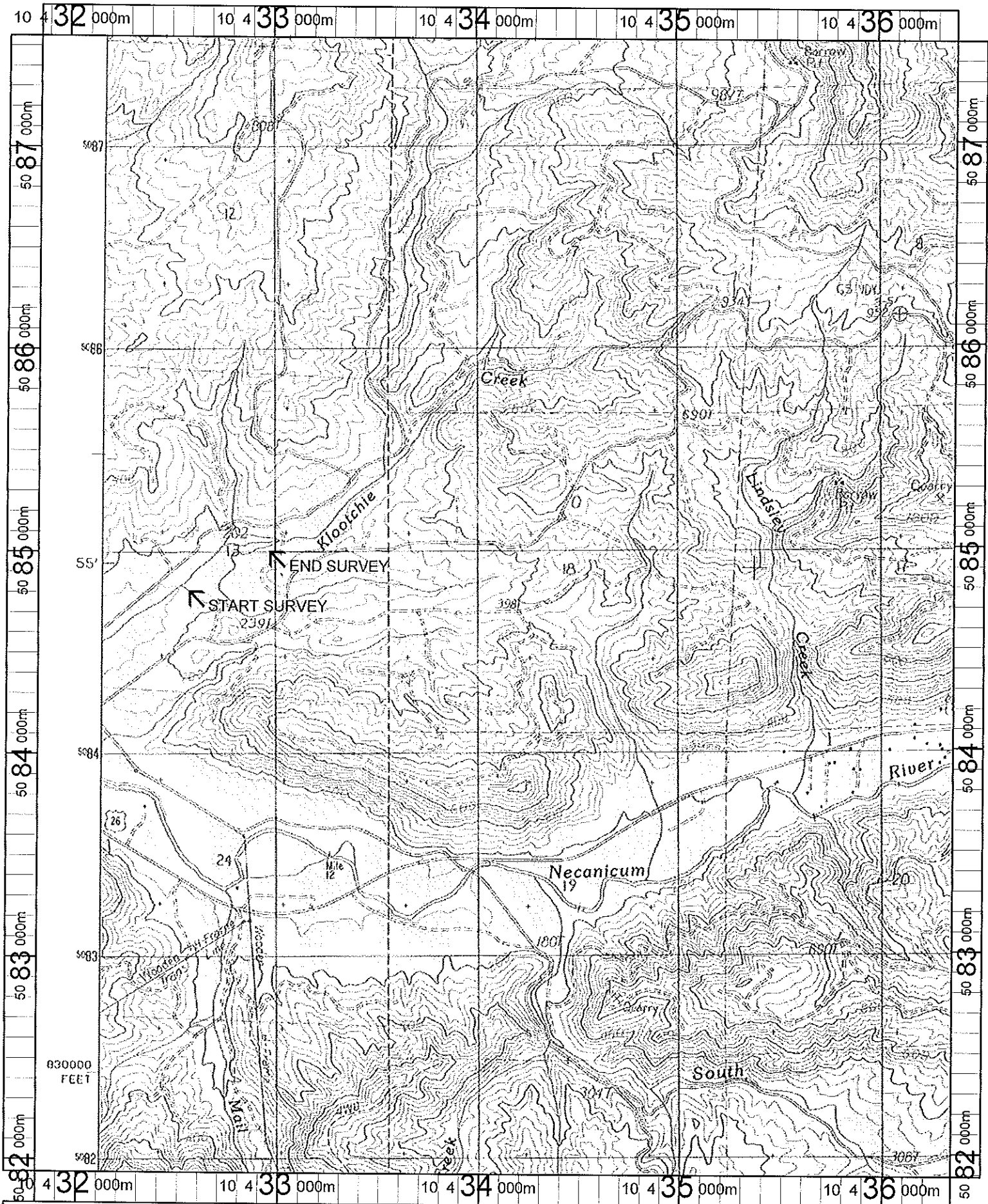
All Pools	<u>Total</u>	<u>#/Km</u>
	30	33.2
Pools ≥1m deep:	5	5.5
Complex pools (LWD pieces ≥3):	12	13.3
Pool Frequency (channel widths/pool):	2.7	
Residual pool depth (avg)	0.62m	

STREAM SUMMARY

KLOOTCHIE CREEK POST-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate						Total Large Boulder
					S/O	Percent Wetted Area					
					Sand	Grvl	Cbbl	Bldr	Bdrk		
57	904	5.7	0.42	5,060	4	11	30	39	16	0	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	1,903	37.6
Backwater Pools	202	4.0
Glide	0	0.0
Riffle	2,385	47.1
Rapid	238	4.7
Cascade	0	0.0
Step	62	1.2
Dry	270	5.3



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

Location: 10 433999 E 5084700 N
 Caption: KLOODCHIE CREEK RESTORATION SITE -
 NECANICUM BASIN