

REACH 1

T5N-R10W-S24NW

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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: 10.0 range: 10.0-10.0

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	518	3,172	0
Secondary	14	22	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.6	Width	6.4	8.7	11.7
Depth	0.43	Height	0.4	0.8	1.3
		W:D ratio	16.1	Entrenchment	1.4

Stream Flow Type: MF Water Temp: 6.5-6.5°C
 Avg. Unit Gradient: 1.1% Habitat Units/100m: 5.3

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	M30	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 ($\geq 3m \times 0.15m$)	46	8.9
Volume (m ³)	72	13.8
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/BOULDERS	1	8	2.1	0.10	18	0	0	10	80	10	0	0
GLIDE	1	17	6.2	0.30	107	0	5	10	30	15	0	40
POOL-LATERAL SCOUR	10	128	5.9	0.79	763	0	7	18	42	13	0	19
POOL-STRAIGHT SCOUR	1	10	5.5	0.60	53	0	0	10	14	5	0	71
RAPID/BEDROCK	1	28	7.1	0.30	200	0	0	5	5	5	0	86
RAPID/BOULDERS	1	9	6.6	0.25	61	0	0	10	50	40	0	0
RIFFLE	12	328	5.3	0.19	1,971	0	5	12	49	21	2	11
STEP/LOG	1	4	6.5	0.15	23	0	0	10	50	40	0	0
Total:	28	532	5.6	0.43	3,194	0	Avg: 5	13	44	18	1	19

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	0	0	-	-	0	0.00	0	0.0
Scour Pools	11	138	5.8	0.77	816	25.53	0	0.0
Glides	1	17	6.2	0.30	107	3.34	0	0.0
Riffles	12	328	5.3	0.19	1,971	61.72	0	0.0
Rapids	2	37	6.9	0.28	260	8.15	0	0.0
Cascades	1	8	2.1	0.10	18	0.55	0	0.0
Step/Falls	1	4	6.5	0.15	23	0.71	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	11	20.7
Pools ≥1m deep:	3	5.6
Complex pools (LWD pieces ≥3):	3	5.6
Pool Frequency (channel widths/pool):	7.5	
Residual pool depth (avg)	0.58m	

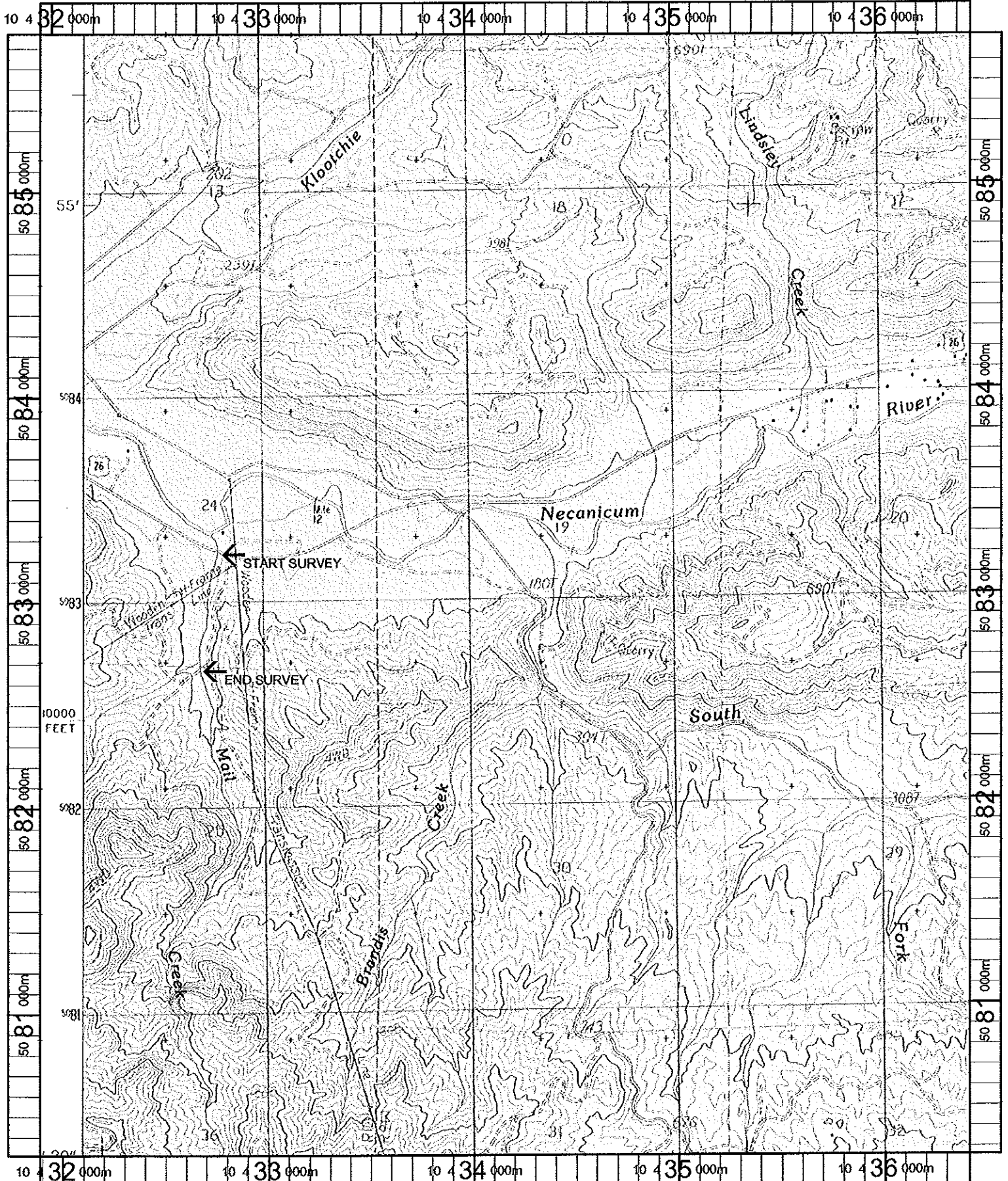
STREAM SUMMARY

MAIL 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	
28	532	5.6	0.43	3,194	5	13	44	18	1	19	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	816	25.5
Backwater Pools	0	0.0
Glide	107	3.3
Riffle	1,971	61.7
Rapid	260	8.1
Cascade	18	0.6
Step	23	0.7
Dry	0	0.0



<p>Name: NECANICUM JUNCTION Date: 10/16/100 Scale: 1 Inch equals 2000 feet</p>	<p>Location: 10 434077 E 5083000 N Caption: MAIL CREEK RESTORATION SITE - NECANICUM BASIN</p>
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