

REACH 1

T5N-R9W-24NW

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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	575	2,380	0
Secondary	88	190	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.6	Width	4.9	8.0	9.4
Depth	0.41	Height	0.4	0.7	1.0
		W:D ratio	12.2	Entrenchment	1.7

Stream Flow Type: MF Water Temp: 2.5-2.5°C
 Avg. Unit Gradient: 1.2% Habitat Units/100m: 8.6

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	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 (≥3m x 0.15m)	80	13.9
Volume (m ³)	202	35.1
Key pieces (≥10m x 0.6m)	5	0.9

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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
POOL-ALCOVE	2	5	1.2	0.13	5	0	30	20	50	0	0	0
POOL-BACKWATER	5	24	3.6	0.49	90	0	36	24	37	3	0	0
POOL-ISOLATED	1	2	1.1	0.15	3	0	11	84	5	0	0	0
POOL-LATERAL SCOUR	19	184	4.3	0.71	782	0	17	26	51	6	0	0
POOL-PLUNGE	2	10	3.7	1.05	37	0	12	25	58	5	0	0
RAPID/BOULDERS	1	6	2.4	0.10	14	0	0	15	75	10	0	0
RIFFLE	24	428	3.5	0.18	1,619	0	8	17	64	11	0	0
STEP/COBBLE	1	4	4.6	0.10	18	0	0	10	70	20	0	0
STEP/LOG	2	1	2.2	0.13	2	0	0	14	81	5	0	0
Total:	57	663	3.6	0.41	2,570	0	Avg:14	22	56	8	0	0

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	8	31	2.7	0.36	98	3.79	0	0.0
Scour Pools	21	194	4.3	0.74	820	31.88	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	24	428	3.5	0.18	1,619	63.00	0	0.0
Rapids	1	6	2.4	0.10	14	0.55	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	3	5	3.0	0.12	20	0.77	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	29	43.7
Pools ≥1m deep:	5	7.5
Complex pools (LWD pieces≥3):	5	7.5
Pool Frequency (channel widths/pool):	4.7	
Residual pool depth (avg)	0.54m	

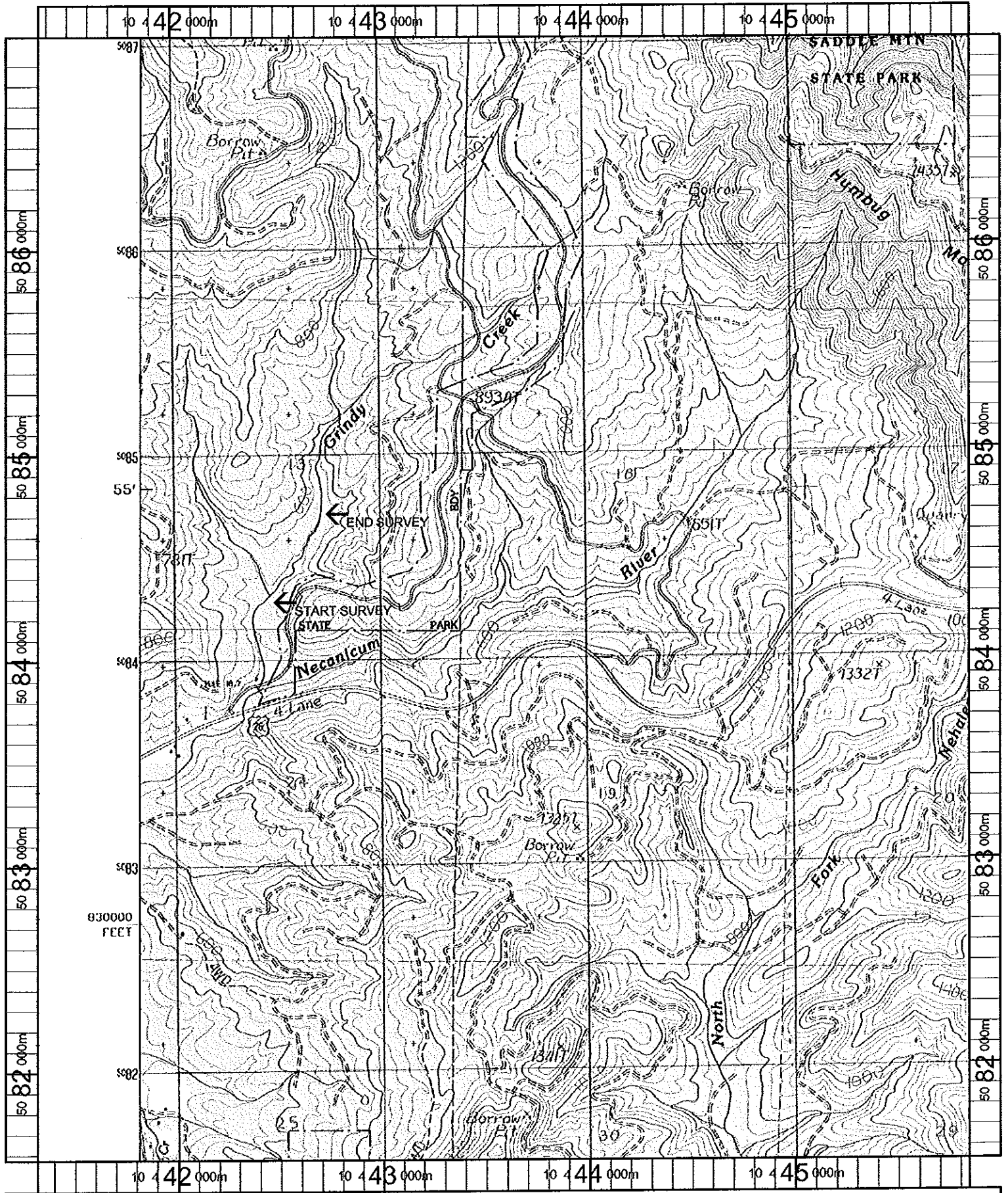
STREAM SUMMARY

GRINDY 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	
57	663	3.6	0.41	2,570	14	22	56	8	0	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	820	31.9
Backwater Pools	98	3.8
Glide	0	0.0
Riffle	1,619	63.0
Rapid	14	0.6
Cascade	0	0.0
Step	20	0.8
Dry	0	0.0



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

Location: 10 443501 E 5084272 N
 Caption: GRINDY CREEK RESTORATION SITE - NECANICUM BASIN