

REACH 1

T15S-R3E-S28NE

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	100
Moderate V-shape	0	Multiple Terraces	0
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	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	497	2,426	0
Secondary	116	265	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.0	Width	7.0	14.6	14.2
Depth	0.35	Height	0.5	1.1	1.5
		W:D ratio	12.9	Entrenchment	2.1

Stream Flow Type: MF Water Temp: 0.0-0.0°C  
 Avg. Unit Gradient: 6.0% Habitat Units/100m: 6.5

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	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 ( $\geq 3m \times 0.15m$ )	75	15.1
Volume (m <sup>3</sup> )	110	22.2
Key pieces ( $\geq 10m \times 0.6m$ )	2	0.4

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HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Large Boulders (>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
CASCADE/BOULDERS	8	215	4.3	0.29	931	0	0	6	22	37	36	0
CULVERT CROSSING	1	17	4.0	0.30	66	0	0	0	10	30	60	0
DRY UNITS	1	12	2.0	0.00	24	0	5	40	20	30	5	0
POOL-BACKWATER	3	7	2.5	0.40	18	0	8	32	20	30	10	0
POOL-LATERAL SCOUR	8	47	3.3	0.46	153	0	7	29	29	28	8	0
POOL-PLUNGE	4	15	5.7	0.90	83	0	1	4	17	37	41	0
RAPID/BOULDERS	11	290	4.0	0.21	1,364	0	3	12	25	42	18	0
STEP/BOULDERS	2	4	4.5	0.08	14	0	5	10	10	10	20	45
STEP/COBBLE	1	5	6.2	0.25	34	0	0	0	15	70	15	0
STEP/LOG	1	1	6.1	0.15	3	0	0	5	10	45	40	0
<b>Total:</b>	<b>40</b>	<b>613</b>	<b>4.0</b>	<b>0.35</b>	<b>2,691</b>	<b>0</b>	<b>Avg: 3</b>	<b>15</b>	<b>22</b>	<b>35</b>	<b>23</b>	<b>2</b>

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m <sup>2</sup> )	Percent	Large Boulders Number	#/100m <sup>2</sup>
Dammed & BW Pools	3	7	2.5	0.40	18	0.68	0	0.0
Scour Pools	12	62	4.1	0.60	236	8.78	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	0	0	-	-	0	0.00	0	0.0
Rapids	11	290	4.0	0.21	1,364	50.69	0	0.0
Cascades	8	215	4.3	0.29	931	34.62	0	0.0
Step/Falls	4	10	5.3	0.14	50	1.86	0	0.0
Dry	1	12	2.0	0.00	24	0.91	0	0.0

POOL SUMMARY

	Total	#/Km
All Pools	15	24.5
Pools ≥1m deep:	2	3.3
Complex pools (LWD pieces ≥3):	3	4.9
Pool Frequency (channel widths/pool):	5.9	
Residual pool depth (avg)	0.40m	

STREAM SUMMARY

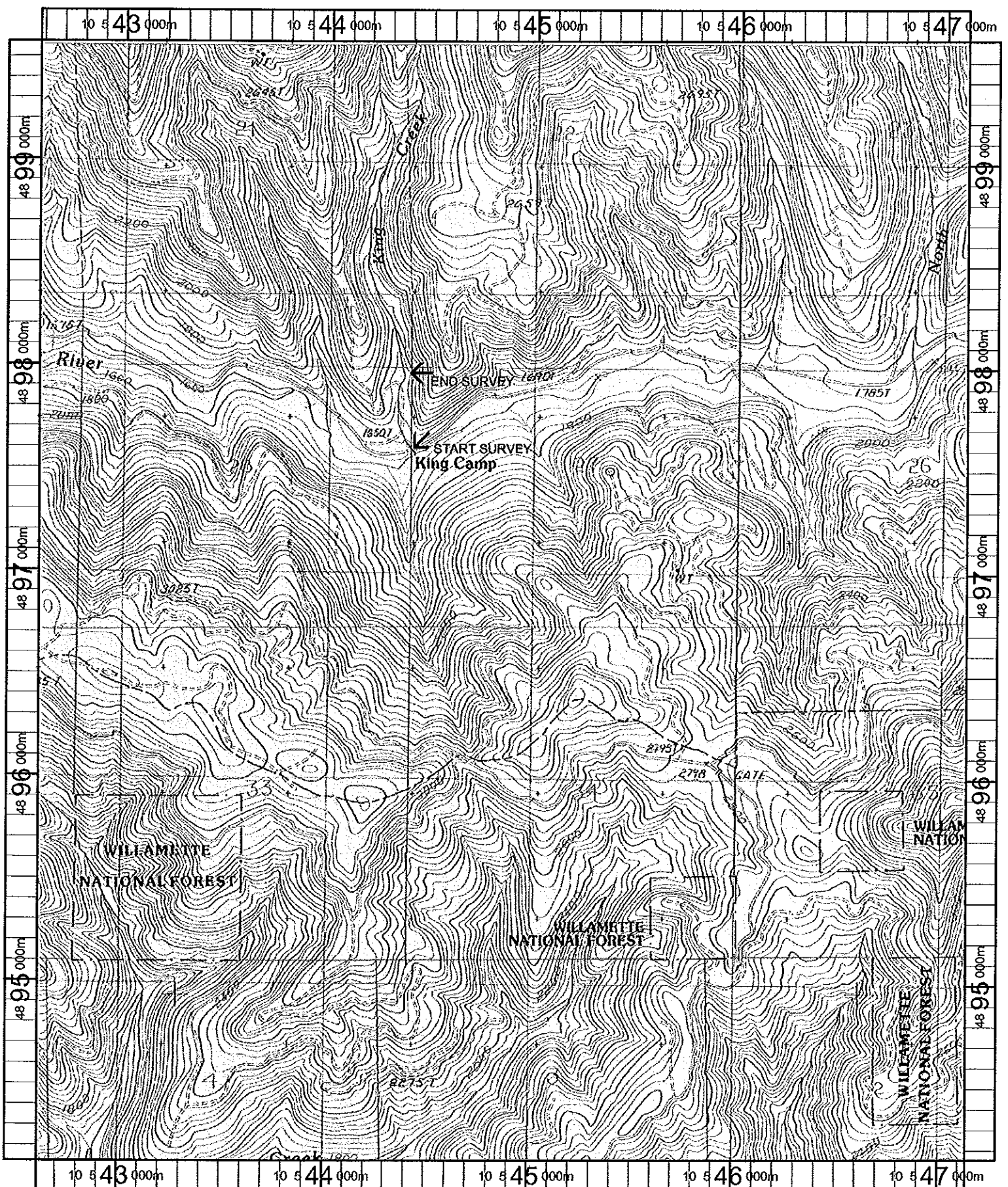
KING CREEK (PRE-TX)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	Bdrk	
40	613	4.0	0.35	2,691	3	15	22	35	23	2	0

Wetted Area

Habitat Group	(m <sup>2</sup> )	Percent
Scour Pool	236	8.8
Backwater Pools	18	0.7
Glide	0	0.0
Riffle	0	0.0
Rapid	1,364	50.7
Cascade	931	34.6
Step	50	1.9
Dry	24	0.9

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Name: MT HAGAN  
 Date: 10/13/100  
 Scale: 1 Inch equals 2000 feet

Location: 10 544760 E 4896849 N  
 Caption: KING CREEK RESTORATION SITE

*Catopsis* *bear*  
*Catopsis*