

REACH 1

T4S-R8W-S25SE

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: 9.3 range: 7.0-12.0

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	470	2,555	0
Secondary	66	92	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.1	Width	8.8	12.2	10.5
Depth	0.50	Height	0.9	1.7	1.7
		W:D ratio	10.1	Entrenchment	1.4

Stream Flow Type: MF Water Temp: 8.0-8.0°C
 Avg. Unit Gradient: 2.3% Habitat Units/100m: 3.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	YT
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 (≥3m x 0.15m)	76	16.2
Volume (m ³)	128	27.2
Key pieces (≥10m x 0.6m)	4	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-BACKWATER	1	5	2.0	0.75	10	0	100	0	0	0	0	0	0
POOL-LATERAL SCOUR	6	61	5.0	0.81	275	0	0	0	42	53	6	0	0
POOL-PLUNGE	2	50	7.5	0.58	326	0	0	0	45	33	5	18	0
RAPID/BEDROCK	1	7	6.0	0.20	39	0	0	0	0	0	0	100	0
RAPID/BOULDERS	3	48	3.2	0.35	134	0	0	0	0	10	90	0	0
RIFFLE	2	44	5.8	0.23	217	0	0	0	48	50	3	0	0
RIFFLE W/ POCKETS	6	322	5.5	0.35	1,647	0	0	0	41	43	16	0	0
Total:	21	535	5.1	0.50	2,647	0	Avg: 5	0	32	37	20	6	

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	1	5	2.0	0.75	10	0.38	0	0.0
Scour Pools	8	110	5.7	0.75	600	22.67	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	8	366	5.6	0.32	1,864	70.42	0	0.0
Rapids	4	54	3.9	0.31	173	6.53	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	0	0	-	-	0	0.00	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	9	<u>#/Km</u>	16.8
Pools ≥1m deep:		2		3.7
Complex pools (LWD pieces ≥3):		5		9.3
Pool Frequency (channel widths/pool):		6.7		
Residual pool depth (avg)		0.52m		

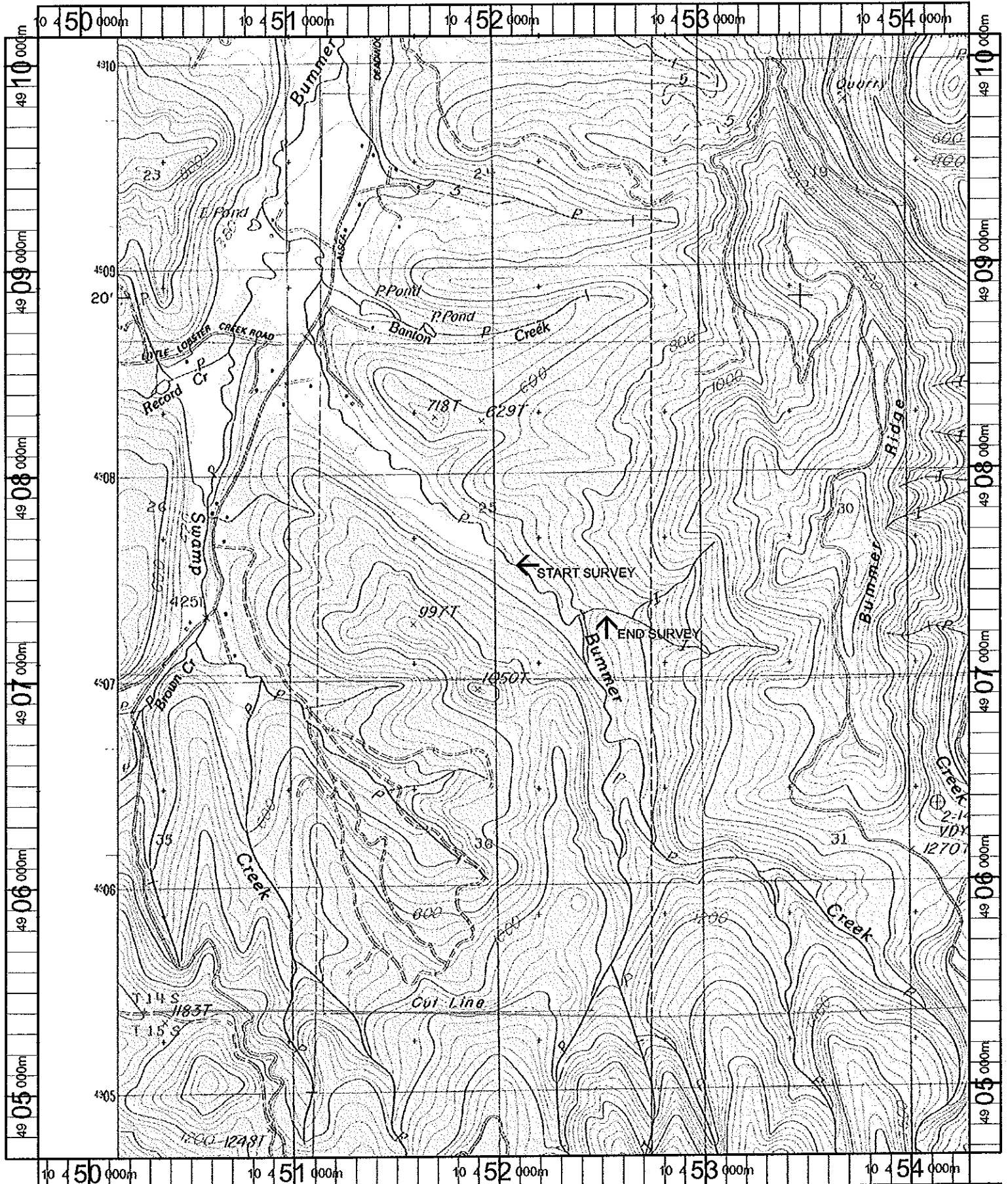
STREAM SUMMARY

BUMMER 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	
21	535	5.1	0.50	2,647	5	0	32	37	20	6	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	600	22.7
Backwater Pools	10	0.4
Glide	0	0.0
Riffle	1,864	70.4
Rapid	173	6.5
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: PRAIRIE PEAK
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 451937 E 4907384 N
 Caption: BUMMER CREEK RESTORATION SITE
Alisa Baird