

REACH SUMMARY

REACH 1

T14S-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	0
Moderate V-shape	0	Multiple Terraces	100
Open V-shape	0	Wide Floodplain	0

Valley Width Index avg: 6.6 range: 5.0-9.0

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	453	2,681	0
Secondary	13	18	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.5	Width	7.8	9.8	10.9
Depth	0.39	Height	0.4	0.9	1.3
		W:D ratio	18.2	Entrenchment	1.3

Stream Flow Type: MF Water Temp: 6.0-6.0°C
 Avg. Unit Gradient: 3.6% Habitat Units/100m: 5.4

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	YT
Riparian Vegetation:	D30	P

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)	52	11.5
Volume (m ³)	52	11.6
Key pieces (≥10m x 0.6m)	3	0.7

HABITAT UNIT SUMMARY

REACH 1

T14S-R8W-S25SE

REACH 1

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	6	2.1	0.40	13	0	95	0	0	0	5	0
POOL-LATERAL SCOUR	6	68	5.2	0.70	348	0	3	7	42	30	10	9
POOL-STRAIGHT SCOUR	2	15	6.7	0.60	102	0	3	15	40	20	5	18
RAPID/BOULDERS	11	324	5.4	0.25	1,882	0	1	5	35	36	23	0
RIFFLE	2	33	7.4	0.33	250	0	0	5	48	33	10	5
STEP/BEDROCK	1	4	6.8	0.05	29	0	0	0	0	0	0	100
STEP/BOULDERS	2	16	4.8	0.30	76	0	0	0	15	13	73	0
Total:	25	466	5.5	0.39	2,699	0	Avg: 5	5	33	28	20	8

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Wetted Area Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	1	6	2.1	0.40	13	0.47	0	0.0
Scour Pools	8	84	5.5	0.68	450	16.66	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	2	33	7.4	0.33	250	9.27	0	0.0
Rapids	11	324	5.4	0.25	1,882	69.73	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	3	20	5.5	0.22	105	3.87	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

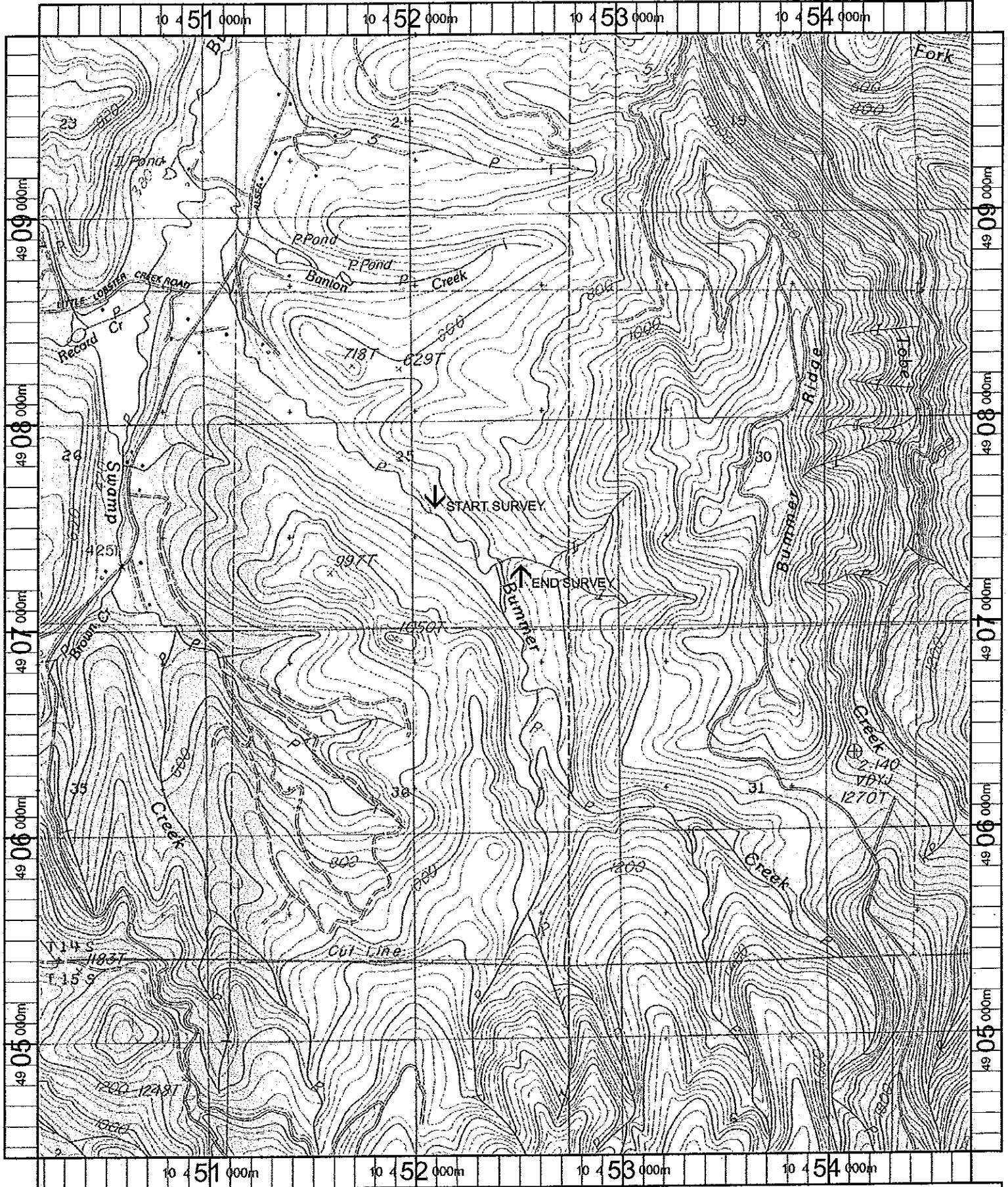
All Pools	<u>Total</u>	<u>#/Km</u>
	9	19.3
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces ≥3):	5	10.7
Pool Frequency (channel widths/pool):	6.7	
Residual pool depth (avg)	0.46m	

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	
25	466	5.5	0.39	2,699	5	5	33	28	20	8	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	450	16.7
Backwater Pools	13	0.5
Glide	0	0.0
Riffle	250	9.3
Rapid	1,882	69.7
Cascade	0	0.0
Step	105	3.9
Dry	0	0.0



Name: PRAIRIE PEAK
 Date: 11/8/100
 Scale: 1 inch equals 2000 feet

Location: 10 452347 E 4907137 N
 Caption: BUMMER CREEK RESTORATION SITE - ALSEA BASIN