

REACH SUMMARY

REACH 1

T21S-R7W-S6NW

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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: 5.6 range: 3.5-8.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	0	Braided Channel	0
Alt. Terrace/Hill	100		
Landuse	0		

Channel Characteristics

<u>Type</u>	<u>Length(m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	518	1,570	0
Secondary	8	8	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 2.8	5.0	9.1	10.4
Depth 0.28	0.4	0.8	1.6
W:D ratio	12.6	Entrenchment	1.8

Stream Flow Type: LF Water Temp: 6.5-6.5°C  
 Avg. Unit Gradient: 1.7% Habitat Units/100m: 6.8

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D15	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)	75	14.5
Volume (m <sup>3</sup> )	83	16.0
Key pieces (≥10m x 0.6m)	5	1.0

HABITAT UNIT SUMMARY

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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
CULVERT CROSSING	1	16	1.6	0.20	26	0	3	3	91	3	0	0
POOL-LATERAL SCOUR	11	118	3.0	0.49	361	0	17	25	39	13	6	0
POOL-PLUNGE	1	7	3.4	0.70	24	0	10	29	19	5	19	19
POOL-STRAIGHT SCOUR	2	13	2.9	0.38	39	0	20	40	13	18	10	0
RAPID/BOULDERS	3	62	3.1	0.22	182	0	3	23	12	22	36	4
RIFFLE	16	307	2.9	0.12	944	0	4	16	54	21	5	0
STEP/BOULDERS	1	2	1.0	0.10	2	0	0	0	40	0	60	0
STEP/LOG	1	1	1.0	0.50	1	0	0	95	5	0	0	0
<b>Total:</b>	<b>36</b>	<b>526</b>	<b>2.8</b>	<b>0.28</b>	<b>1,579</b>	<b>0</b>	<b>Avg: 9</b>	<b>22</b>	<b>42</b>	<b>16</b>	<b>10</b>	<b>1</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	0	0	-	-	0	0.00	0	0.0
Scour Pools	14	138	3.0	0.49	424	26.84	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	16	307	2.9	0.12	944	59.81	0	0.0
Rapids	3	62	3.1	0.22	182	11.54	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	2	3	1.0	0.30	3	0.16	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

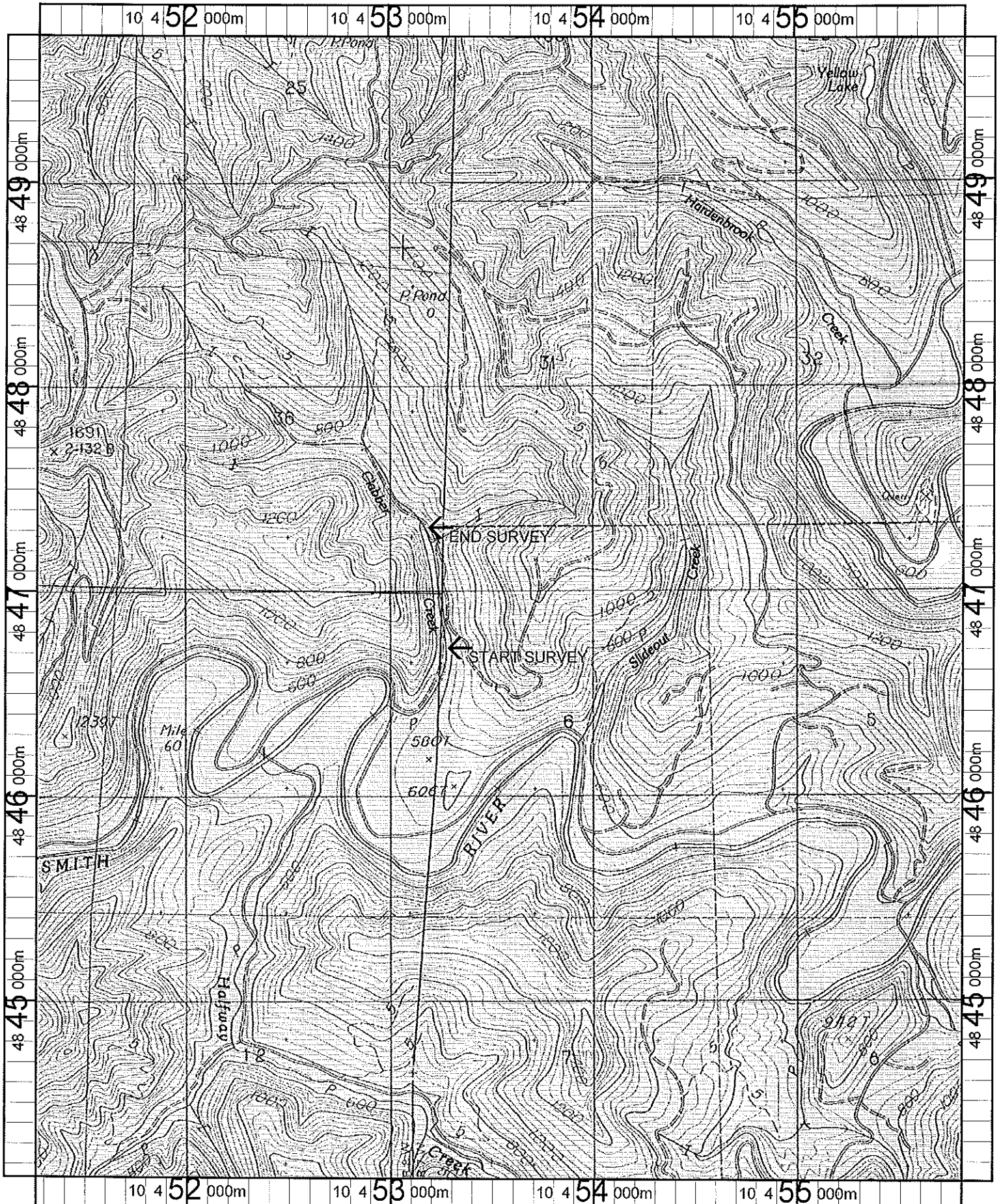
All Pools	<u>Total</u>	<u>#/Km</u>
	14	26.6
Pools $\geq 1m$ deep:	0	0.0
Complex pools (LWD pieces $\geq 3$ ):	6	11.4
Pool Frequency (channel widths/pool):	7.5	
Residual pool depth (avg)	0.41m	

STREAM SUMMARY

CLABBER 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
36	526	2.8	0.28	1,579	9	22	42	16	10	1	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	424	26.8
Backwater Pools	0	0.0
Glide	0	0.0
Riffle	944	59.8
Rapid	182	11.5
Cascade	0	0.0
Step	3	0.2
Dry	0	0.0



Name: GUNTER  
 Date: 5/30/101  
 Scale: 1 inch equals 2000 feet

Location: 10 453450 E 4846897 N  
 Caption: CLABBER CREEK RESTORATION SITE - SMITH  
 BASIN