

REACH SUMMARY

REACH 1

T38S-R14W-S14SE

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

Valley Width Index avg: 1.9 range: 1.0-2.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	0	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	798	4,947	0
Secondary	43	66	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.0	Width	8.7	11.5	13.6
Depth	0.50	Height	0.6	1.2	1.9
		W:D ratio	14.9	Entrenchment	1.3

Stream Flow Type: MF Water Temp: 8.0-8.0°C  
Avg. Unit Gradient: 2.4% Habitat Units/100m: 3.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	
Riparian Vegetation:	D15	C15

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)	78	9.8
Volume (m <sup>3</sup> )	47	5.9
Key pieces (≥10m x 0.6m)	0	0.0

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
CASCADE/BOULDERS	2	58	2.9	0.25	206	0	13	6	24	42	15	0
POOL-BACKWATER	1	5	2.3	0.50	12	0	30	60	10	0	0	0
POOL-LATERAL SCOUR	3	97	5.7	0.83	636	0	10	23	37	23	7	0
POOL-PLUNGE	2	13	7.7	1.05	100	0	15	30	35	13	8	0
POOL-STRAIGHT SCOUR	6	54	6.9	0.95	375	0	13	41	31	9	5	0
RAPID/BOULDERS	10	291	6.1	0.28	1,801	0	2	9	40	36	14	0
RIFFLE	3	128	5.3	0.25	673	0	0	6	57	26	11	0
RIFFLE W/ POCKETS	4	193	6.1	0.31	1,196	0	3	9	40	35	14	0
STEP/LOG	2	2	7.9	0.18	14	0	5	15	47	24	10	0
<b>Total:</b>	<b>33</b>	<b>841</b>	<b>6.0</b>	<b>0.50</b>	<b>5,012</b>	<b>0</b>	<b>Avg: 7</b>	<b>19</b>	<b>38</b>	<b>26</b>	<b>10</b>	<b>0</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	1	5	2.3	0.50	12	0.25	0	0.0
Scour Pools	11	164	6.7	0.94	1,111	22.16	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	7	321	5.7	0.29	1,868	37.27	0	0.0
Rapids	10	291	6.1	0.28	1,801	35.93	0	0.0
Cascades	2	58	2.9	0.25	206	4.12	0	0.0
Step/Falls	2	2	7.9	0.18	14	0.27	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

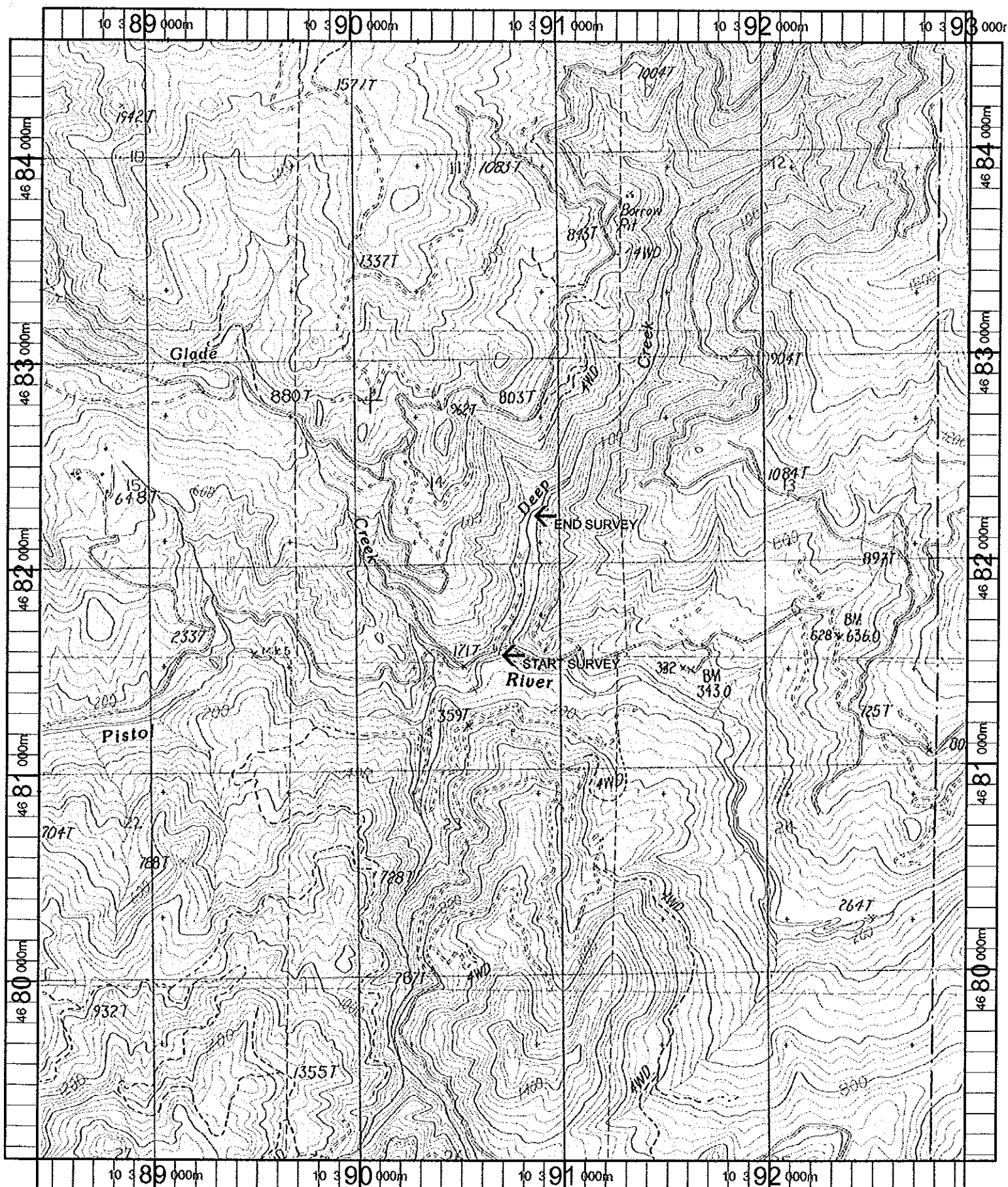
	Total	#/Km
All Pools	12	14.3
Pools ≥1m deep:	5	5.9
Complex pools (LWD pieces ≥3):	4	4.8
Pool Frequency (channel widths/pool):	8.1	
Residual pool depth (avg)	0.67m	

STREAM SUMMARY

DEEP 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	
33	841	6.0	0.50	5,012	7	19	38	26	10	0	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	1,111	22.2
Backwater Pools	12	0.2
Glide	0	0.0
Riffle	1,868	37.3
Rapid	1,801	35.9
Cascade	206	4.1
Step	14	0.3
Dry	0	0.0



Name: SUNDOWN MT  
 Date: 1/9/101  
 Scale: 1 Inch equals 2000 feet

Location: 10 390623 E 4681809 N  
 Caption: DEEP CREEK RESTORATION SITE - PISTOL BASIN