

REACH SUMMARY

REACH 1

T35S-R14W-S10NW

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: 3.7 range: 2.2-6.0

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	620	1,702	0
Secondary	57	103	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width	3.1	Width 3.5	5.7	5.7
Depth	0.37	Height 0.5	0.9	1.5
		W:D ratio 7.3	Entrenchment 1.6	

Stream Flow Type: LF Water Temp: 8.5-8.5°C
 Avg. Unit Gradient: 3.7% Habitat Units/100m: 5.8

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)	168	27.1
Volume (m ³)	194	31.4
Key pieces (≥10m x 0.6m)	6	1.0

HABITAT UNIT SUMMARY

REACH 1 T35S-R14W-S10NW 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 S/O	Grvl	Wetted Area	Cbbl	Bldr	Bdrk
CASCADE/BOULDERS	3	38	2.0	0.18	83	0	4	20	64	8	3	0
POOL-LATERAL SCOUR	6	38	3.3	0.74	122	0	19	32	43	2	0	3
POOL-PLUNGE	2	8	5.0	0.60	40	0	39	25	30	7	0	0
POOL-STRAIGHT SCOUR	5	42	4.3	0.88	174	0	38	30	31	1	0	0
RAPID/BOULDERS	4	97	2.6	0.15	224	0	3	10	60	23	4	0
RIFFLE	14	416	2.7	0.16	1,061	0	3	10	71	15	1	0
RIFFLE W/ POCKETS	2	36	2.6	0.20	92	0	11	13	65	11	0	0
STEP/BOULDERS	1	1	2.3	0.15	1	0	10	0	80	10	0	0
STEP/LOG	2	2	4.5	0.13	7	0	10	18	60	13	0	0
Total:	39	677	3.1	0.37	1,805	0	Avg:13	18	57	11	1	1

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	0	0	-	-	0	0.00	0	0.0
Scour Pools	13	87	3.9	0.77	336	18.64	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	16	452	2.7	0.17	1,153	63.91	0	0.0
Rapids	4	97	2.6	0.15	224	12.39	0	0.0
Cascades	3	38	2.0	0.18	83	4.59	0	0.0
Step/Falls	3	2	3.8	0.13	9	0.48	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

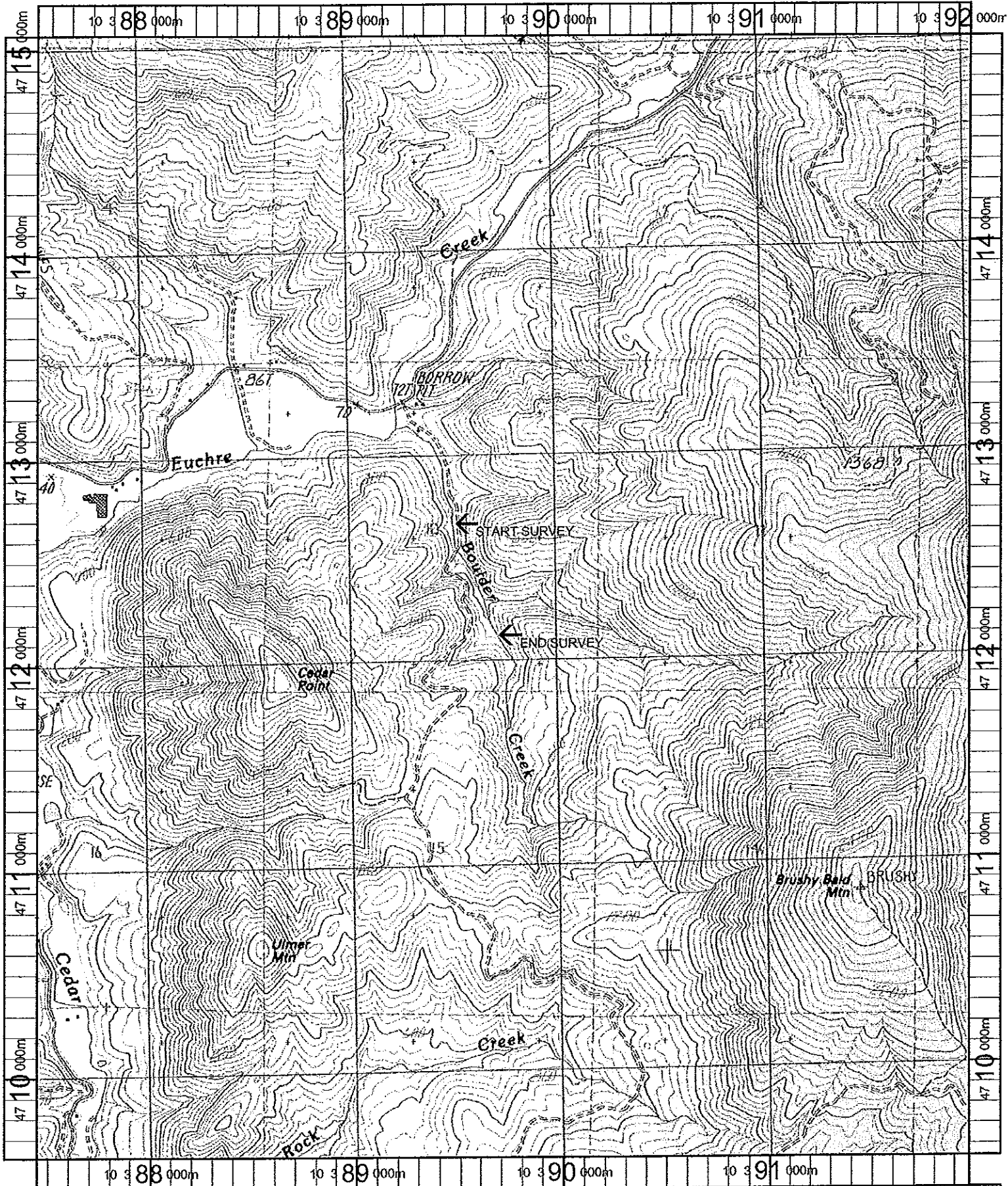
All Pools	<u>Total</u>	<u>#/Km</u>
	13	19.2
Pools ≥1m deep:	1	1.5
Complex pools (LWD pieces ≥3):	7	10.3
Pool Frequency (channel widths/pool):	14.9	
Residual pool depth (avg)	0.57m	

STREAM SUMMARY

BOULDER CREEK POST-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
39	677	3.1	0.37	1,805	13	18	57	11	1	1	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	336	18.6
Backwater Pools	0	0.0
Glide	0	0.0
Riffle	1,153	63.9
Rapid	224	12.4
Cascade	83	4.6
Step	9	0.5
Dry	0	0.0



Name: BRUSHY BALD MT Date: 11/7/100 Scale: 1 inch equals 2000 feet	Location: 10 389646 E 4712289 N Caption: BOULDER CREEK RESTORATION SITE - EUCHRE CREEK BASIN
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