

REACH 1

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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	26	Multiple Terraces	74
Open V-shape	0	Wide Floodplain	0

Valley Width Index avg: 2.6 range: 2.0-3.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	26	Single Channel	74
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	576	2,059	0
Secondary	157	223	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.2	Width	8.9	18.0	10.2
Depth	0.44	Height	0.6	1.2	1.1
		W:D ratio	15.1	Entrenchment	2.0

Stream Flow Type: MF Water Temp: 11.0-11.0°C
 Avg. Unit Gradient: 3.1% Habitat Units/100m: 7.4

Riparian, Bank, and Wood Summary

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

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 ($\geq 3m \times 0.15m$)	165	28.7
Volume (m ³)	129	22.3
Key pieces ($\geq 10m \times 0.6m$)	1	0.2

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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
CASCADE/BOULDERS	9	141	2.8	0.31	379	0	0	3	37	35	26	0
CULVERT CROSSING	1	10	0.3	0.35	3	0	0	0	50	0	50	0
POOL-ALCOVE	1	10	0.5	0.20	5	0	0	70	20	10	0	0
POOL-BACKWATER	1	25	1.0	0.32	25	0	0	90	10	0	0	0
POOL-ISOLATED	1	2	0.6	0.20	1	0	0	90	10	0	0	0
POOL-LATERAL SCOUR	6	61	4.0	0.83	217	0	0	7	38	33	18	3
POOL-PLUNGE	9	67	4.5	0.89	314	0	0	6	54	29	11	0
POOL-STRAIGHT SCOUR	2	15	3.0	0.71	45	0	0	11	78	11	0	0
POOL-TRENCH	1	9	2.0	0.90	17	0	0	0	20	60	20	0
RAPID/BOULDERS	9	157	3.5	0.24	597	0	0	0	35	34	31	0
RIFFLE	8	233	3.0	0.21	671	0	0	2	63	34	1	0
STEP/LOG	5	3	3.0	0.19	8	0	0	0	52	38	10	0
STEP/STRUCTURE	1	1	0.6	0.15	1	0	0	0	0	91	9	0
Total:	54	733	3.2	0.44	2,281	0	Avg: 0	7	44	32	16	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	3	37	0.7	0.24	31	1.37	0	0.0
Scour Pools	18	152	4.0	0.85	593	25.99	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	8	233	3.0	0.21	671	29.39	0	0.0
Rapids	9	157	3.5	0.24	597	26.15	0	0.0
Cascades	9	141	2.8	0.31	379	16.60	0	0.0
Step/Falls	6	3	2.6	0.18	8	0.36	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

	<u>Total</u>	<u>#/Km</u>
All Pools	21	28.7
Pools $\geq 1m$ deep:	3	4.1
Complex pools (LWD pieces ≥ 3):	9	12.3
Pool Frequency (channel widths/pool):	3.9	
Residual pool depth (avg)	0.60m	

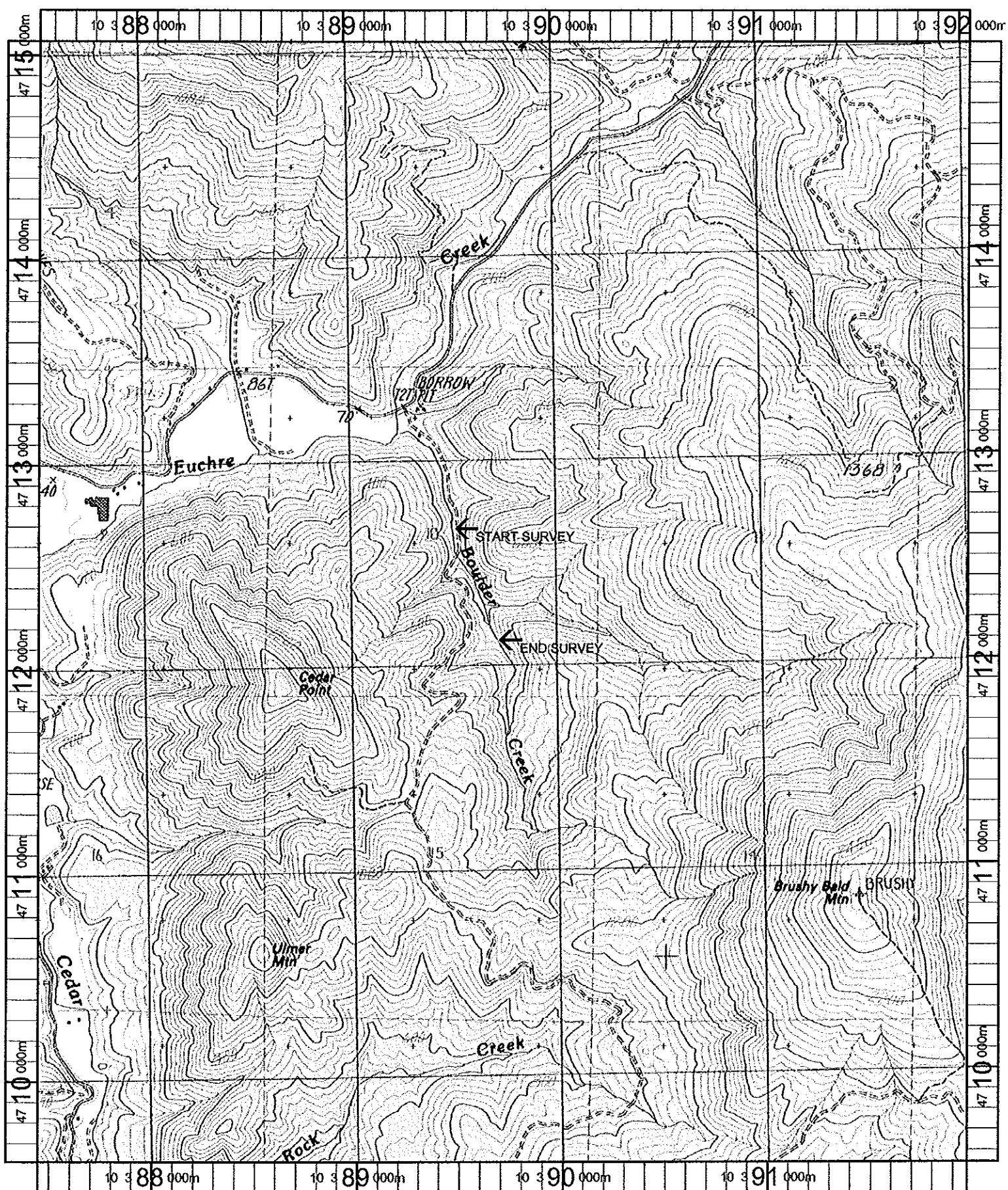
STREAM SUMMARY

BOULDER 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	
54	733	3.2	0.44	2,281	0	7	44	32	16	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	593	26.0
Backwater Pools	31	1.4
Glide	0	0.0
Riffle	671	29.4
Rapid	597	26.1
Cascade	379	16.6
Step	8	0.4
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