

REACH 1

T15S-R10W-S12

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: 2.4 range: 2.0-2.5

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	484	3,201	0
Secondary	55	91	0

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width	5.5	Width	11.1	19.7	13.0
Depth	0.67	Height	0.9	1.7	1.5
		W:D ratio	12.7	Entrenchment	1.8

Stream Flow Type: MF Water Temp: 6.0-6.0°C
Avg. Unit Gradient: 0.8% Habitat Units/100m: 3.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	P	ST
Riparian Vegetation:	D30	M30

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)	31	6.4
Volume (m ³)	48	10.0
Key pieces (≥10m x 0.6m)	0	0.0

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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
GLIDE	1	50	7.5	0.65	375	0	25	25	30	0	0	20
POOL-BACKWATER	2	15	4.6	0.70	69	0	98	3	0	0	0	0
POOL-LATERAL SCOUR	7	182	7.3	1.08	1,313	0	21	16	44	12	1	5
POOL-STRAIGHT SCOUR	2	44	6.1	0.58	286	0	10	15	53	13	10	0
RIFFLE	7	206	3.0	0.32	818	0	1	9	74	16	0	0
RIFFLE W/ POCKETS	1	43	10.0	0.40	430	0	20	20	60	0	0	0
Total:	20	539	5.5	0.67	3,291	0	Avg:21	13	51	11	1	3

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Number	Boulders #/100m ²
Dammed & BW Pools	2	15	4.6	0.70	69	2.08	0	0.0
Scour Pools	9	226	7.0	0.97	1,600	48.60	0	0.0
Glides	1	50	7.5	0.65	375	11.39	0	0.0
Riffles	8	249	3.8	0.33	1,248	37.92	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	0	0	-	-	0	0.00	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	11	20.4
Pools ≥1m deep:	4	7.4
Complex pools (LWD pieces ≥3):	5	9.3
Pool Frequency (channel widths/pool):	4.4	
Residual pool depth (avg)	0.53m	

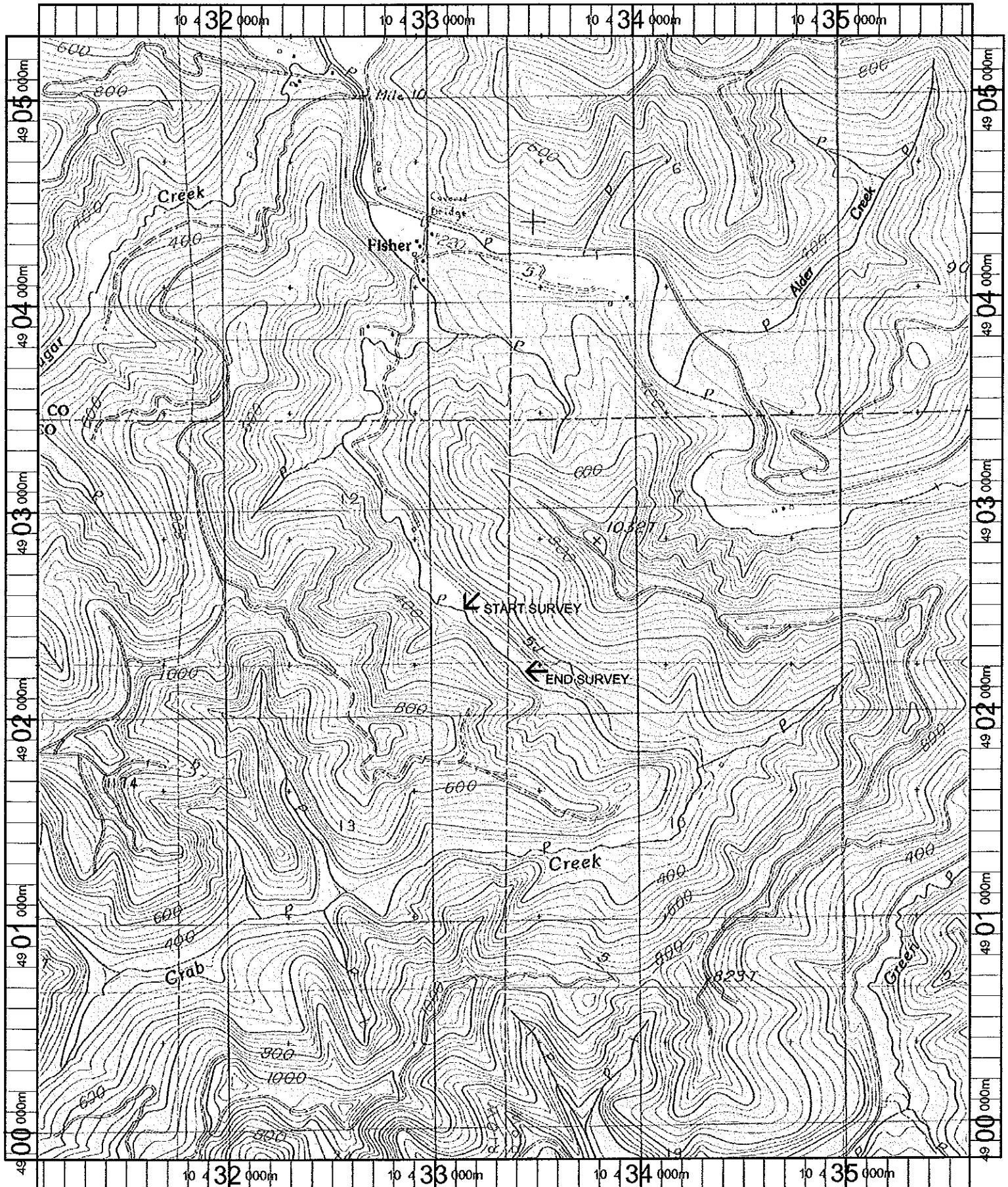
STREAM SUMMARY

CRAB 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	
20	539	5.5	0.67	3,291	21	13	51	11	1	3	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	1,600	48.6
Backwater Pools	69	2.1
Glide	375	11.4
Riffle	1,248	37.9
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: FIVE RIVERS
 Date: 10/17/100
 Scale: 1 Inch equals 2000 feet

Location: 10 433258 E 4902551 N
 Caption: CRAB CREEK RESTORATION SITE - ALSEA BASIN