

REACH SUMMARY

REACH 1

T15S-R10W-S12SE

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

Valley Width Index avg: 2.9 range: 2.0-3.4

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	565	4,591	0
Secondary	48	49	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	7.2	Width	9.7	12.9	14.1
Depth	0.52	Height	0.6	1.2	1.7
		W:D ratio	16.4	Entrenchment	1.3

Stream Flow Type: MF Water Temp: 9.5-9.5°C
Avg. Unit Gradient: 0.3% Habitat Units/100m: 4.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	MT	ST
Riparian Vegetation:	D30	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)	43	7.6
Volume (m ³)	53	9.4
Key pieces (≥10m x 0.6m)	1	0.2

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 ²)	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
GLIDE	1	14	7.3	0.50	104	0	0	33	44	0	0	22
POOL-BACKWATER	2	7	2.1	0.20	13	0	50	50	0	0	0	0
POOL-LATERAL SCOUR	18	391	8.0	0.69	3,211	0	5	56	28	0	0	11
PUDDLED CHANNEL	1	43	1.0	0.30	43	0	100	0	0	0	0	0
RIFFLE	6	151	7.8	0.23	1,220	0	0	18	80	2	0	1
STEP/COBBLE	1	7	7.4	0.20	50	0	0	2	98	0	0	0
Total:	29	613	7.2	0.52	4,640	0	Avg:10	43	39	0	0	8

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	2	7	2.1	0.20	13	0.27	0	0.0
Scour Pools	18	391	8.0	0.69	3,211	69.20	0	0.0
Glides	1	14	7.3	0.50	104	2.23	0	0.0
Riffles	6	151	7.8	0.23	1,220	26.30	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	1	7	7.4	0.20	50	1.07	0	0.0
Dry	1	43	1.0	0.30	43	0.93	0	0.0

POOL SUMMARY

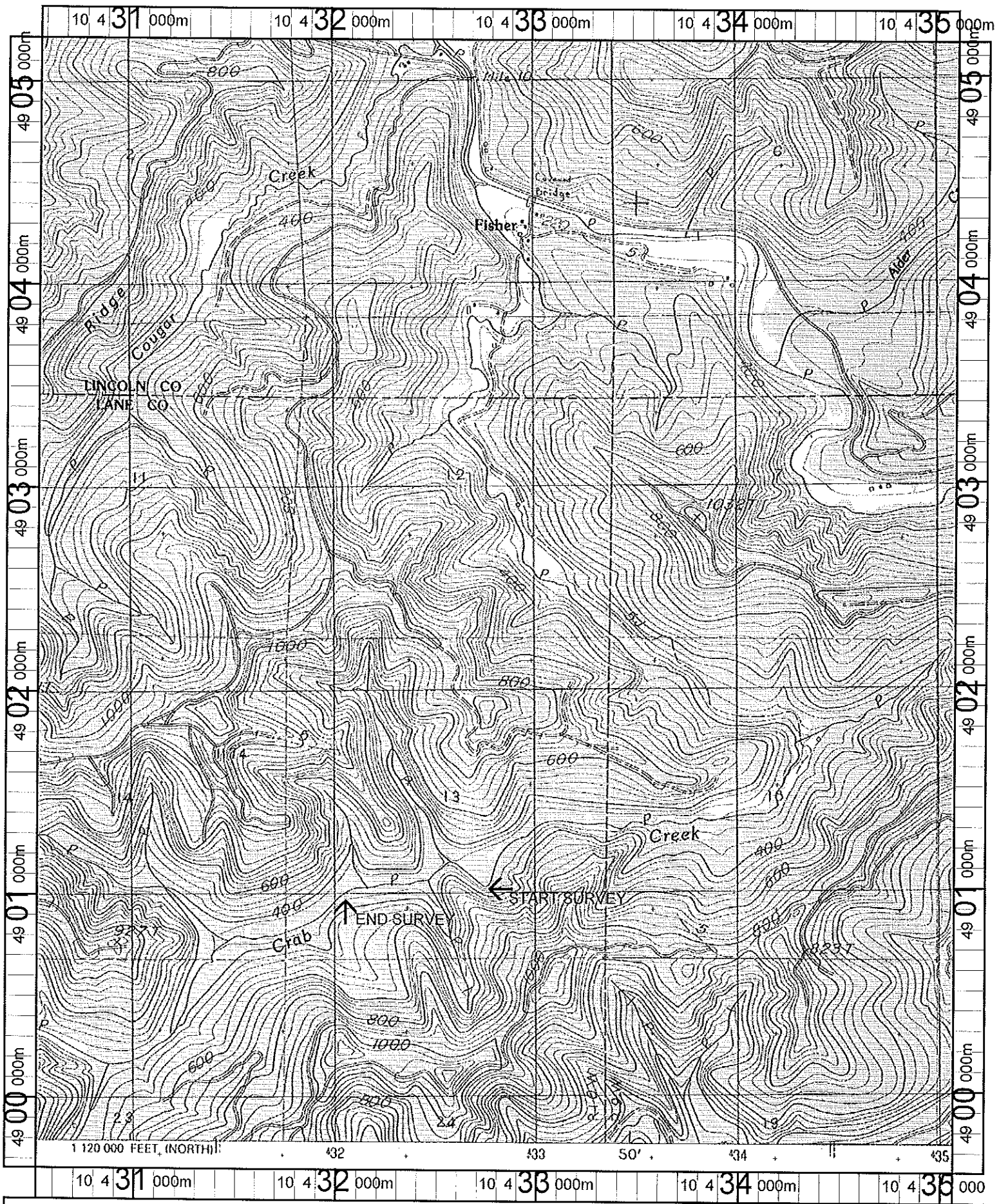
All Pools	<u>Total</u>	<u>#/Km</u>
	20	32.7
Pools ≥1m deep:	1	1.6
Complex pools (LWD pieces ≥3):	5	8.2
Pool Frequency (channel widths/pool):	3.2	
Residual pool depth (avg)	0.44m	

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
29	613	7.2	0.52	4,640	10	43	39	0	0	8	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	3,211	69.2
Backwater Pools	13	0.3
Glide	104	2.2
Riffle	1,220	26.3
Rapid	0	0.0
Cascade	0	0.0
Step	50	1.1
Dry	43	0.9



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

Location: 10 432718 E 4902393 N
 Caption: CRAB CREEK RESTORATION SITE - ALSEA BASIN