

REACH SUMMARY

REACH 1

T15S-R10W-S15SW

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: 2.5 range: 1.0-4.0

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	525	4,174	0
Secondary	43	56	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 7.2	Width 12.4	24.1	22.4
Depth 0.39	Height 0.6	1.2	1.2
	W:D ratio 21.9	Entrenchment 1.9	

Stream Flow Type: MF Water Temp: 7.5-7.5°C  
 Avg. Unit Gradient: 1.8% Habitat Units/100m: 4.8

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D15	D30

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 ( $\geq 3m \times 0.15m$ )	34	6.5
Volume (m <sup>3</sup> )	34	6.5
Key pieces ( $\geq 10m \times 0.6m$ )	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 <sup>2</sup> )	Large Boulders (>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
CASCADE/BOULDERS	1	7	0.9	0.02	7	0	0	0	40	50	10	0
POOL-ALCOVE	1	15	2.3	0.40	34	0	70	20	10	0	0	0
POOL-LATERAL SCOUR	10	215	7.7	0.76	1,732	0	3	14	26	39	3	17
RAPID/BEDROCK	2	55	8.9	0.15	486	0	0	5	5	5	5	80
RAPID/BOULDERS	2	21	0.8	0.04	16	0	0	10	50	35	0	5
RIFFLE	6	158	7.8	0.23	1,214	0	0	7	25	62	4	3
RIFFLE W/ POCKETS	1	62	5.8	0.21	360	0	0	5	30	50	5	10
STEP/COBBLE	4	35	10.6	0.14	383	0	0	6	19	68	8	0
<b>Total:</b>	<b>27</b>	<b>568</b>	<b>7.2</b>	<b>0.39</b>	<b>4,230</b>	<b>0</b>	<b>Avg: 4</b>	<b>9</b>	<b>25</b>	<b>45</b>	<b>4</b>	<b>13</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	15	2.3	0.40	34	0.79	0	0.0
Scour Pools	10	215	7.7	0.76	1,732	40.93	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	7	220	7.5	0.23	1,574	37.20	0	0.0
Rapids	4	76	4.8	0.10	502	11.86	0	0.0
Cascades	1	7	0.9	0.02	7	0.16	0	0.0
Step/Falls	4	35	10.6	0.14	383	9.06	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

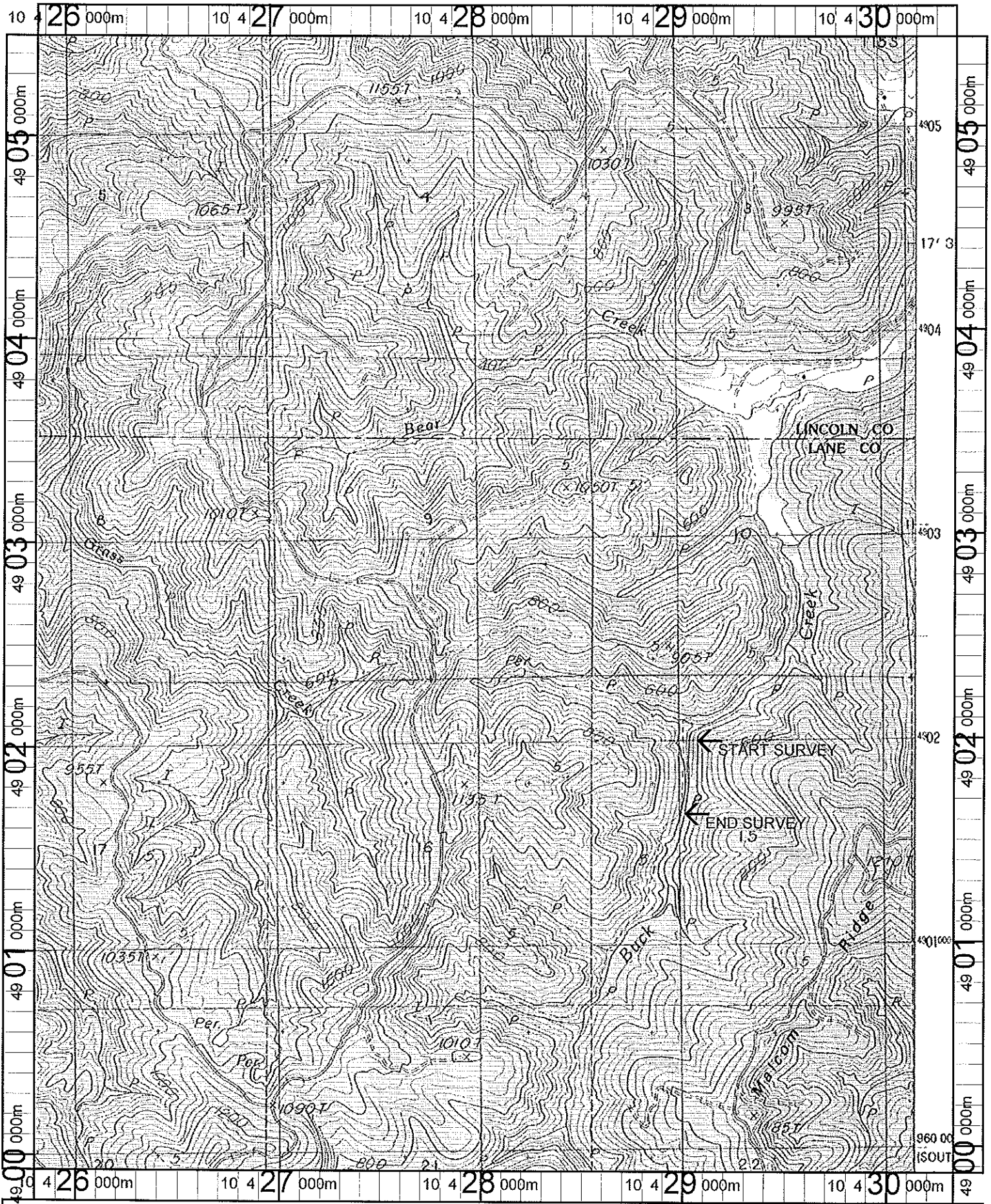
All Pools	<u>Total</u>	<u>#/Km</u>
	11	19.4
Pools ≥1m deep:	3	5.3
Complex pools (LWD pieces ≥3):	1	1.8
Pool Frequency (channel widths/pool):	4.2	
Residual pool depth (avg)	0.47m	

STREAM SUMMARY

BUCK 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	
27	568	7.2	0.39	4,230	4	9	25	45	4	13	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	1,732	40.9
Backwater Pools	34	0.8
Glide	0	0.0
Riffle	1,574	37.2
Rapid	502	11.9
Cascade	7	0.2
Step	383	9.1
Dry	0	0.0



Name: CANNIBAL MT  
 Date: 5/29/101  
 Scale: 1 inch equals 2000 feet

Location: 10 428000 E 4902666 N  
 Caption: BUCK CREEK RESTORATION SITE - ALSEA BASIN