

REACH 1

T14S-R9W-S36NW

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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: 2.5 range: 2.0-3.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	0	Braided Channel	0
Alt. Terrace/Hill	100		
Landuse	0		

Channel Characteristics

<u>Type</u>	<u>Length(m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	377	2,256	0
Secondary	23	101	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.2	Width	10.4	25.1	11.3
Depth	0.57	Height	0.7	1.5	1.4
		W:D ratio	14.3	Entrenchment	2.4

Stream Flow Type: MF Water Temp: 7.5-7.5°C
 Avg. Unit Gradient: 0.9% Habitat Units/100m: 5.8

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
Riparian Vegetation:	D30	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 ($\geq 3m \times 0.15m$)	68	18.0
Volume (m ³)	306	81.2
Key pieces ($\geq 10m \times 0.6m$)	16	4.2

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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	
	1	0	0.0	0.00	0	0	0	0	0	0	0	0	0
POOL-ALCOVE	1	8	8.0	0.30	62	0	100	0	0	0	0	0	0
POOL-BACKWATER	2	12	3.0	0.40	36	0	60	0	0	0	0	0	40
POOL-DAMMED	1	8	6.0	1.10	45	0	30	30	40	0	0	0	0
POOL-LATERAL SCOUR	7	92	6.0	0.88	592	0	21	20	32	4	4	4	18
POOL-PLUNGE	1	11	5.6	1.00	59	0	10	25	60	5	0	0	0
RIFFLE	8	233	5.1	0.36	1,357	0	1	8	48	27	3	3	14
RIFFLE W/ POCKETS	2	37	5.7	0.48	206	0	5	10	50	30	0	0	5
Total:	23	400	5.2	0.57	2,357	0	Avg:19	12	35	14	2	2	14

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	4	27	5.0	0.55	143	6.08	0	0.0
Scour Pools	8	103	5.9	0.89	651	27.61	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	10	270	5.2	0.38	1,563	66.31	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>
	12	30.0
Pools ≥1m deep:	4	10.0
Complex pools (LWD pieces ≥3):	6	15.0
Pool Frequency (channel widths/pool):	3.2	
Residual pool depth (avg)	0.56m	

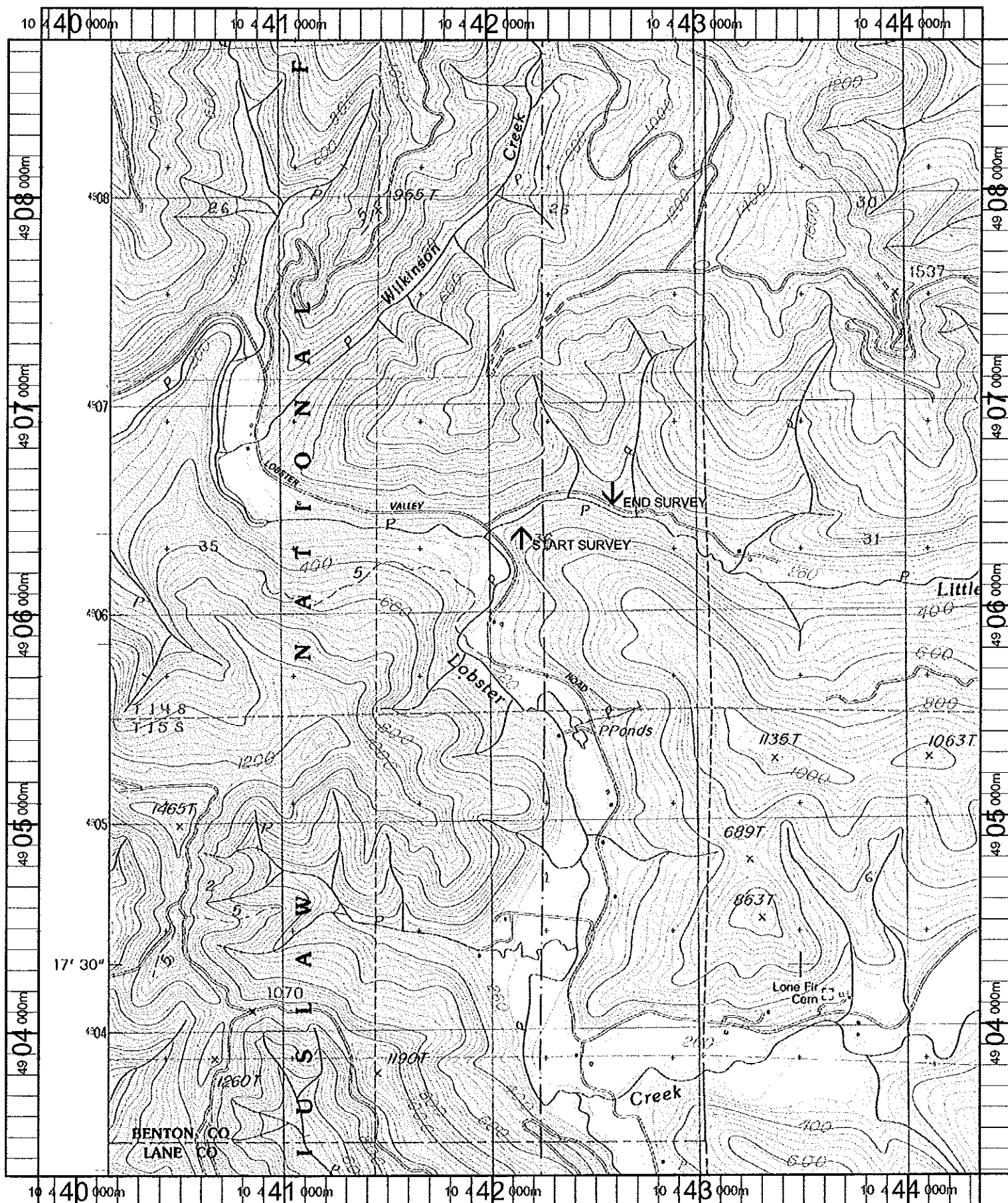
STREAM SUMMARY

LOWER LITTLE LOBSTER CREEK

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	
23	400	5.2	0.57	2,357	19	12	35	14	2	14	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	651	27.6
Backwater Pools	143	6.1
Glide	0	0.0
Riffle	1,563	66.3
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: DIGGER MT
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 442005 E 4906002 N
 Caption: LITTLE LOBSTER CREEK RESTORATION SITE - ALSEA BASIN