

REACH 1

T14S-R9W-S36

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

Valley Width Index avg: 4.3 range: 2.0-5.0

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	395	2,423	0
Secondary	44	126	0

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	5.5	Width	8.6		17.0		14.4
Depth	0.39	Height	0.8		1.4		1.6
		W:D ratio	11.6	Entrenchment	2.0		

Stream Flow Type: MF Water Temp: 14.0-14.0°C
 Avg. Unit Gradient: 0.6% Habitat Units/100m: 5.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	MT	
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding	2%	Reach avg: 84%
Undercut Banks	14%	Range: 61-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	71	18.0
Volume (m ³)	141	35.6
Key pieces ($\geq 10m \times 0.6m$)	8	2.0

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	23	4.8	0.35	111	4	0	6	28	44	11	11
POOL-ALCOVE	1	5	3.3	0.20	16	0	100	0	0	0	0	0
POOL-BACKWATER	1	8	3.6	0.30	30	0	40	30	15	15	0	0
POOL-LATERAL SCOUR	13	236	6.3	0.54	1,520	32	11	20	24	25	4	15
RIFFLE	9	167	5.0	0.21	873	3	6	16	34	29	2	13
Total:	25	439	5.5	0.39	2,549	39	Avg:14	18	26	26	3	13

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	13	3.5	0.25	46	1.79	0	0.0
Scour Pools	13	236	6.3	0.54	1,520	59.62	32	2.1
Glides	1	23	4.8	0.35	111	4.35	4	3.6
Riffles	9	167	5.0	0.21	873	34.24	3	0.3
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>
	15	34.1
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces ≥3):	10	22.8
Pool Frequency (channel widths/pool):	3.4	
Residual pool depth (avg)	0.40m	

STREAM SUMMARY

LITTLE LOBSTER (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	
25	439	5.5	0.39	2,549	14	18	26	26	3	13	39

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	1,520	59.6
Backwater Pools	46	1.8
Glide	111	4.4
Riffle	873	34.2
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0

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RIPARIAN ZONE VEGETATION SUMMARY

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Summary of Riparian Zone (0-30m) (3 transects)

Total hardwoods/1000 ft	1,605
Total conifers/1000 ft	20
Total conifers >20" dbh/1000 ft	0
Total conifers >35" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	2.7	0.0	3.7	0.3	13.0	0.3	19.3
15-30cm	0.0	1.3	0.0	1.3	0.0	1.3	0.0	4.0
30-50cm	0.0	0.7	0.0	1.3	0.0	0.7	0.0	2.7
50-90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
Total/100m ²	0.0	4.7	0.0	6.3	0.3	15.3	0.1	8.8

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	68		73		77	
Shrub cover	65		64		46	
Grass/forb cover	35		33		39	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	17		33		50
High terrace	33		33		17	
Low terrace	50		33		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		0		33	
Riprap	0		0		0	
Surface slope (%)	13		23		30	

Summary of Riparian Zone (0-30m) for all reaches (3 transects)

Summary of riparian zone (0-100ft) extrapolated to 1,000 feet along stream

Total hardwoods/1000 ft	1,605
Total conifers/1000 ft	20
Total conifers >20" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

<u>Diameter</u> <u>class (cm)</u>	<u>Zones 1-3</u>	
	<u>Conifer</u>	<u>Hardwood</u>
3-15cm	0.3	19.3
15-30cm	0.0	4.0
30-50cm	0.0	2.7
50-90cm	0.0	0.0
>90cm	0.0	0.3

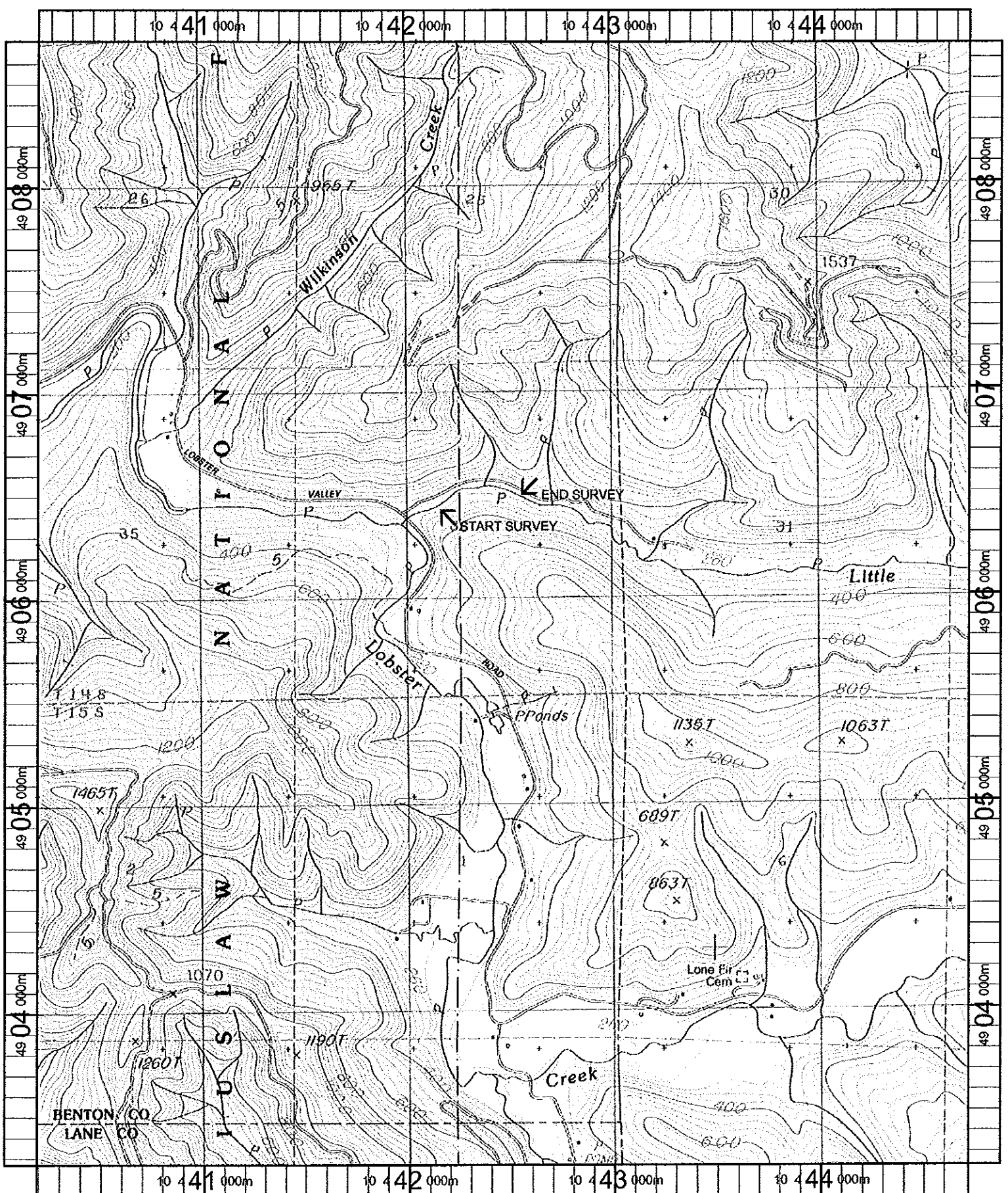
RIPARIAN ZONE VEGETATION

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VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
11	LF	1	HT	0.0	75	60	40	Conifer	0	0	0	0	0	
								Hardwood	1	4	0	0	0	ALDER
11	LF	2	HT	0.0	80	80	20	Conifer	0	0	0	0	0	
								Hardwood	2	4	1	0	0	ALDER
11	LF	3	HT	0.0	80	60	40	Conifer	0	0	0	0	0	
								Hardwood	3	3	0	0	0	ALDER/ASH
11	RT	1	LT	0.0	90	80	20	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
11	RT	2	HS	60.0	90	50	50	Conifer	0	0	0	0	0	
								Hardwood	0	0	2	0	0	
11	RT	3	HS	30.0	100	40	60	Conifer	0	0	0	0	0	
								Hardwood	1	1	1	0	0	
21	LF	1	LT	0.0	60	60	40	Conifer	0	0	0	0	0	
								Hardwood	1	0	0	0	0	
21	LF	2	LT	0.0	70	30	60	Conifer	0	0	0	0	0	
								Hardwood	0	0	1	0	0	ALDER
21	LF	3	RB	0.0	60	35	35	Conifer	0	0	0	0	0	
								Hardwood	10	0	0	0	0	ALDER
21	RT	1	HS	75.0	85	20	80	Conifer	0	0	0	0	0	
								Hardwood	6	0	0	0	0	ALDER
21	RT	2	HS	75.0	70	50	40	Conifer	0	0	0	0	0	
								Hardwood	6	0	0	0	0	ALDER, ASH
21	RT	3	HS	75.0	100	30	70	Conifer	0	0	0	0	0	
								Hardwood	25	0	1	0	1	MAPLE
25	LF	1	LT	0.0	40	90	10	Conifer	0	0	0	0	0	
								Hardwood	0	0	1	0	0	
25	LF	2	LT	0.0	40	80	20	Conifer	0	0	0	0	0	
								Hardwood	2	0	0	0	0	
25	LF	3	RB	0.0	20	20	20	Conifer	1	0	0	0	0	
								Hardwood	0	0	0	0	0	BAREGROUND ROAD
25	RT	1	HT	0.0	60	80	20	Conifer	0	0	0	0	0	
								Hardwood	0	0	1	0	0	ALDER
25	RT	2	HT	0.0	90	95	5	Conifer	0	0	0	0	0	
								Hardwood	1	0	0	0	0	VINE MAPLE
25	RT	3	HS	75.0	100	90	10	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	



Name: DIGGER MT
 Date: 11/7/100
 Scale: 1 Inch equals 2000 feet

Location: 10 442375 E 4905956 N
 Caption: LITTLE LOBSTER CREEK RESTORATION SITE - ALSEA BASIN