

REACH 1

T01N-R09W-S23NW

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 2.1		VWI Range: 1 - 4.1	

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	507	1,905	0
Secondary	108	333	2

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.5	Width	11.5	17.8	19.9
Depth	0.31	Height	0.8	1.6	1.8
		W:D ratio	14.8	Entrenchment	1.6
Stream Flow Type:	LF	Water temp (C): 10.0 - 10.0			
Avg. Unit Gradient:	4.6%	Habitat Units/100m: 9.9			

Riparian, Bank, and Wood Summary

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	3%	Reach avg: 93%
Undercut Banks:	3%	Range: 72 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	74	14.6
Volume (m ³):	54	10.7
Key pieces (>=10m x 0.60m):	1	0.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

DIETZ CREEK PRE-TX (NC-134)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/1/02

REACH 1		T01N-R09W-S23NW					REACH 1						
Habitat Type	Number Units	HABITAT DETAIL					Substrate						
		Total	Avg	Avg	Total	Large	Percent Wetted Area						
		Length (m)	Width (m)	Depth (m)	Area (m ²)	Boulders (#>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
CASCADE/BOULDERS	2	40	3.5	0.25	139	36	0	3	8	40	48	3	
DRY CHANNEL	2	53	5.0	0.00	278	2	3	5	35	53	5	0	
POOL-BACKWATER	2	4	0.8	0.28	3	0	45	17	36	2	0	0	
POOL-DAMMED	1	9	2.8	0.70	24	0	0	5	20	75	0	0	
POOL-LATERAL SCOUR	1	5	3.6	0.50	18	0	0	10	35	55	0	0	
POOL-PLUNGE	8	55	4.1	0.69	226	21	2	11	26	41	11	9	
POOL-STRAIGHT SCOUR	5	41	3.2	0.44	130	18	0	12	22	52	13	2	
RAPID/BOULDERS	19	367	3.2	0.16	1,276	134	1	7	28	49	15	0	
RIFFLE	1	19	4.1	0.10	77	2	0	5	35	55	5	0	
STEP/BEDROCK	1	5	2.7	0.25	14	13	0	5	10	15	35	35	
STEP/BOULDERS	3	12	3.4	0.28	34	17	0	2	10	38	50	0	
STEP/LOG	5	7	4.3	0.30	19	3	1	11	30	53	5	0	
Total:	50	616	3.5	0.31	2,239	246	Avg	2	8	26	46	15	2

HABITAT SUMMARY								
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m ²)	Percent	Number	(# / 100m ²)
Dammed & BW Pools	3	12	1.4	0.42	27	1.18%	0	0.0
Scour Pools	14	100	3.7	0.59	375	16.73%	39	10.4
Glides	0	0			0	0.00%	0	0.0
Riffles	1	19	4.1	0.10	77	3.44%	2	2.6
Rapids	19	367	3.2	0.16	1,276	57.00%	134	10.5
Cascades	2	40	3.5	0.25	139	6.22%	36	25.8
Step/Falls	9	25	3.8	0.29	67	3.01%	33	48.9
Dry	2	53	5.0	0.00	278	12.41%	2	0.7
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY

	Total	# / Km
All Pools:	17	33.5
Pools >=1m deep:	1	2.0
Complex pools (LWD pieces>=3):	3	5.9
Pool frequency (channel widths/pool):	3.2	
Residual pool depth (avg):	0.42	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	305
Total conifers/1000 ft	264
Total conifers >20" dbh/1000 ft	81
Total conifers >35" dbh/1000 ft	20

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	0.7	0.0	0.3	0.3	0.7	0.3	1.7
15-30cm	0.7	0.7	0.0	0.7	1.3	0.7	2.0	2.0
30-50cm	0.0	1.0	0.0	0.3	0.7	0.0	0.7	1.3
50-90cm	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0
>90cm	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0
Total/100m2	0.7	2.3	1.3	1.3	2.3	1.3	1.4	1.7

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	89		83		83	
Shrub cover	63		57		72	
Grass/forb cover	36		35		28	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	33		67		100	
High terrace	33		0		0	
Low terrace	33		33		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		0		0	
Riprap	0		0		0	
Surface slope (%)	19		35		30	

RIPARIAN ZONE VEGETATION

Reach 1

Reach 1

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
13	LF	1	LT	13	95	30	70	Conifer							
								Hardwood			1				
13	LF	2	LT	2	90	10	85	Conifer							
								Hardwood							
13	LF	3	HS	43	95	25	75	Conifer							
								Hardwood							
13	RT	1	HS	23	85	90	10	Conifer							2 SNAGS
								Hardwood							
13	RT	2	HS	23	70	85	15	Conifer							
								Hardwood							
13	RT	3	HS	18	65	90	10	Conifer							
								Hardwood							
28	LF	1	LT	1	95	80	10	Conifer			1				
								Hardwood							
28	LF	2	LT	-3	90	40	15	Conifer							
								Hardwood		1	1				
28	LF	3	HS	45	90	90	10	Conifer							
								Hardwood		2					
28	RT	1	HS	30	85	95	5	Conifer							
								Hardwood	2						
28	RT	2	HS	60	85	85	15	Conifer				3	1		
								Hardwood							
28	RT	3	HS	15	75	80	20	Conifer			1	1			
								Hardwood	1						
41	LF	1	HT	37	85	30	70	Conifer							SNAG
								Hardwood							
41	LF	2	HS	85	90	60	40	Conifer							
								Hardwood		1					
41	LF	3	HS	50	95	85	15	Conifer							
								Hardwood							
41	RT	1	HT	10	90	50	50	Conifer			1				
								Hardwood		2	2				
41	RT	2	HS	40	75	60	40	Conifer							
								Hardwood	1						
41	RT	3	HS	10	80	60	40	Conifer		1	3	1			
								Hardwood	1						

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 1-NC SITE ID: 134 DIETZ CREEK PRE-TX (NC-134)

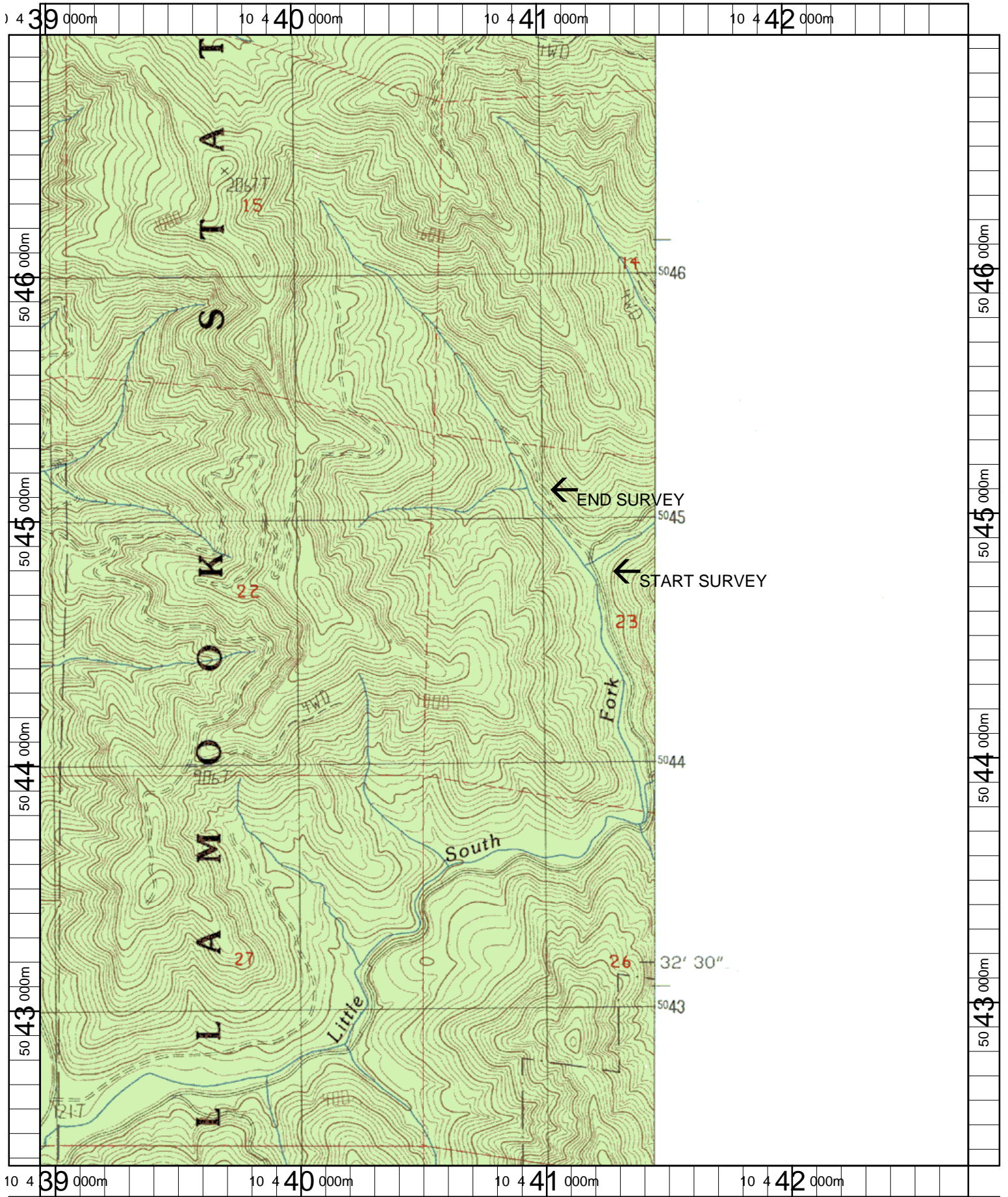
UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RB	01	26.8		T=10C	START SURVEY
4	RB	01	55.8	TJ/	TJ/	
6	RB	11	55.8			TRIB UNIT
8	SL	00	63.7		H=.3	
11	RB	00	113.2	LI		
13	PP	01	136		RIP#1	RIP#1
14	SL	01	136.4	DJ	H=.8	
15	RB	01	166.4			SUB UNIT POOL =.5
20	SL	01	192.1		H=.4	
23	PP	00	203.1			SHADED BY TREE
24	SL	00	203.4		H=.5	
27	BW	10	239.9			FORMED BY BOULDER
28	SP	00	245.2			RIP#2
29	RB	00	277.7		RIP#2	
32	PP	00	315.1	SS/		
39	SB	00	373		H=.3	
41	RB	01	411.1	TJ/	RIP#3	RIP#3
42	RB	11	411.1			TRIB UNIT
44	RB	00	450.1			SUB UNIT POOL
46	SB	00	456.8		H=.6	
48	CB	01	487.5	SS/		

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 1-NC SITE ID: 134 DIETZ CREEK PRE-TX (NC-134)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
49	RB	01	507.4	/LI		
50	RB	02	507.4		END SURVEY	



Name: KILCHIS RIVER
 Date: 3/20/2003
 Scale: 1 inch equals 1666 feet

Location: 10 440846 E 5044661 N
 Caption: DIETZ CREEK RESTORATION SITE - KILCHIS BASIN