

REACH 1

T01N-R05W-S05SW

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	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	5.6	VWI Range:	2.5 - 8

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	100%
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	497	1,300	0
Secondary	126	333	6

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.7	Width	7.7	28.4	26.6
Depth	0.20	Height	0.7	1.4	1.7
		W:D ratio	11.8	Entrenchment	4.2
Stream Flow Type:	LF	Water temp (C): 12.0 - 12.0			
Avg. Unit Gradient:	3.0%	Habitat Units/100m: 12.1			

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:	1%	Reach avg: 92%
Undercut Banks:	10%	Range: 81 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	68	13.7
Volume (m ³):	72	14.5
Key pieces (>=10m x 0.60m):	3	0.6

OREGON DEPARTMENT OF FISH AND WILDLIFE

DEVILS LAKE FK UPPER PRE-TX (NC-133)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/26/02

REACH 1		T01N-R05W-S05SW					REACH 1						
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	Cbl	Bldr	Bdrk	
DRY CHANNEL	2	34	3.7	0.00	120	0	33	8	28	33	0	0	
DRY UNIT	3	34	3.4	0.00	118	0	2	22	52	22	3	0	
POOL-ISOLATED	1	3	1.5	0.01	5	0	100	0	0	0	0	0	
POOL-LATERAL SCOUR	20	186	2.4	0.40	462	0	4	10	45	31	7	2	
POOL-PLUNGE	3	10	2.8	0.33	29	0	23	14	30	28	5	0	
POOL-STRAIGHT SCOUR	4	30	2.2	0.31	68	1	3	6	34	40	5	13	
PUDDLED UNIT	1	16	3.0	0.10	49	0	0	35	60	5	0	0	
RAPID/BOULDERS	15	250	2.1	0.09	599	0	0	4	36	45	13	2	
RIFFLE	2	32	3.6	0.10	116	0	0	5	55	35	5	0	
RIFFLE W/ POCKETS	1	13	1.2	0.10	16	0	0	10	40	40	10	0	
STEP/BEDROCK	2	5	0.8	0.01	3	0	63	10	25	0	3	0	
STEP/COBBLE	3	9	3.5	0.02	31	0	2	12	43	42	2	0	
STEP/LOG	3	2	8.1	0.03	17	0	2	15	73	8	2	0	
Total:	60	623	2.7	0.20	1,633	1	Avg	8	9	42	33	7	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	1	3	1.5	0.01	5	0.28%	0	0.0	
Scour Pools	27	225	2.4	0.38	560	34.27%	1	0.2	
Glides	0	0			0	0.00%	0	0.0	
Riffles	3	45	2.8	0.10	131	8.03%	0	0.0	
Rapids	15	250	2.1	0.09	599	36.70%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	8	16	4.6	0.02	51	3.13%	0	0.0	
Dry	6	84	3.4	0.02	287	17.58%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	Total	# / Km
All Pools:	28	56.3
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	7	14.1
Pool frequency (channel widths/pool):	2.9	
Residual pool depth (avg):	0.30	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	366
Total conifers/1000 ft	386
Total conifers >20" dbh/1000 ft	122
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	1.7	0.0	0.3	1.3	0.7	1.3	2.7
15-30cm	0.3	2.3	0.3	0.3	0.7	0.0	1.3	2.7
30-50cm	0.7	0.3	0.7	0.3	0.3	0.0	1.7	0.7
50-90cm	0.7	0.0	0.3	0.0	1.0	0.0	2.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	1.7	4.3	1.3	1.0	3.3	0.7	2.1	2.0

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	88	91	73
Shrub cover	19	32	30
Grass/forb cover	79	65	52

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	50	67	50
High terrace	0	17	33
Low terrace	50	17	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	0	17
Riprap	0	0	0
Surface slope (%)	33	28	24

RIPARIAN ZONE VEGETATION

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Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
19	LF	1	HS	45	50	30	65	Conifer		1					PARTIAL LT
								Hardwood							
19	LF	2	HS	60	75	75	25	Conifer			1				
								Hardwood							
19	LF	3	HS	60	80	70	30	Conifer	1	1		1			
								Hardwood							
19	RT	1	HS	40	95	65	30	Conifer			1	1			PARTIAL LT
								Hardwood							
19	RT	2	HS	40	90	80	15	Conifer		1		1			
								Hardwood							
19	RT	3	RB	1	10	15	20	Conifer							
								Hardwood							
34	LF	1	LT	9	95	10	90	Conifer							
								Hardwood		1					
34	LF	2	HS	20	95	10	85	Conifer							
								Hardwood							
34	LF	3	HS	45	90	60	30	Conifer	1			2			
								Hardwood							
34	RT	1	LT	7	95	0	100	Conifer							
								Hardwood	5	2					
34	RT	2	LT	8	95	10	85	Conifer							
								Hardwood	1	1					
34	RT	3	HT	13	90	10	85	Conifer	2	1	1				NEXT TO CYCLE TRAIL
								Hardwood	1						
47	LF	1	HS	96	100	5	90	Conifer			1	1			
								Hardwood							
47	LF	2	HS	35	95	10	90	Conifer			1				
								Hardwood							
47	LF	3	HS	20	80	10	90	Conifer							
								Hardwood	1						
47	RT	1	LT	3	95	2	98	Conifer							
								Hardwood		4	1				
47	RT	2	HT	3	95	5	90	Conifer							
								Hardwood			1				
47	RT	3	HT	5	90	15	55	Conifer							
								Hardwood							

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 1-NC SITE ID: 133 DEVILS LAKE FK UPPER PRE-TX (N

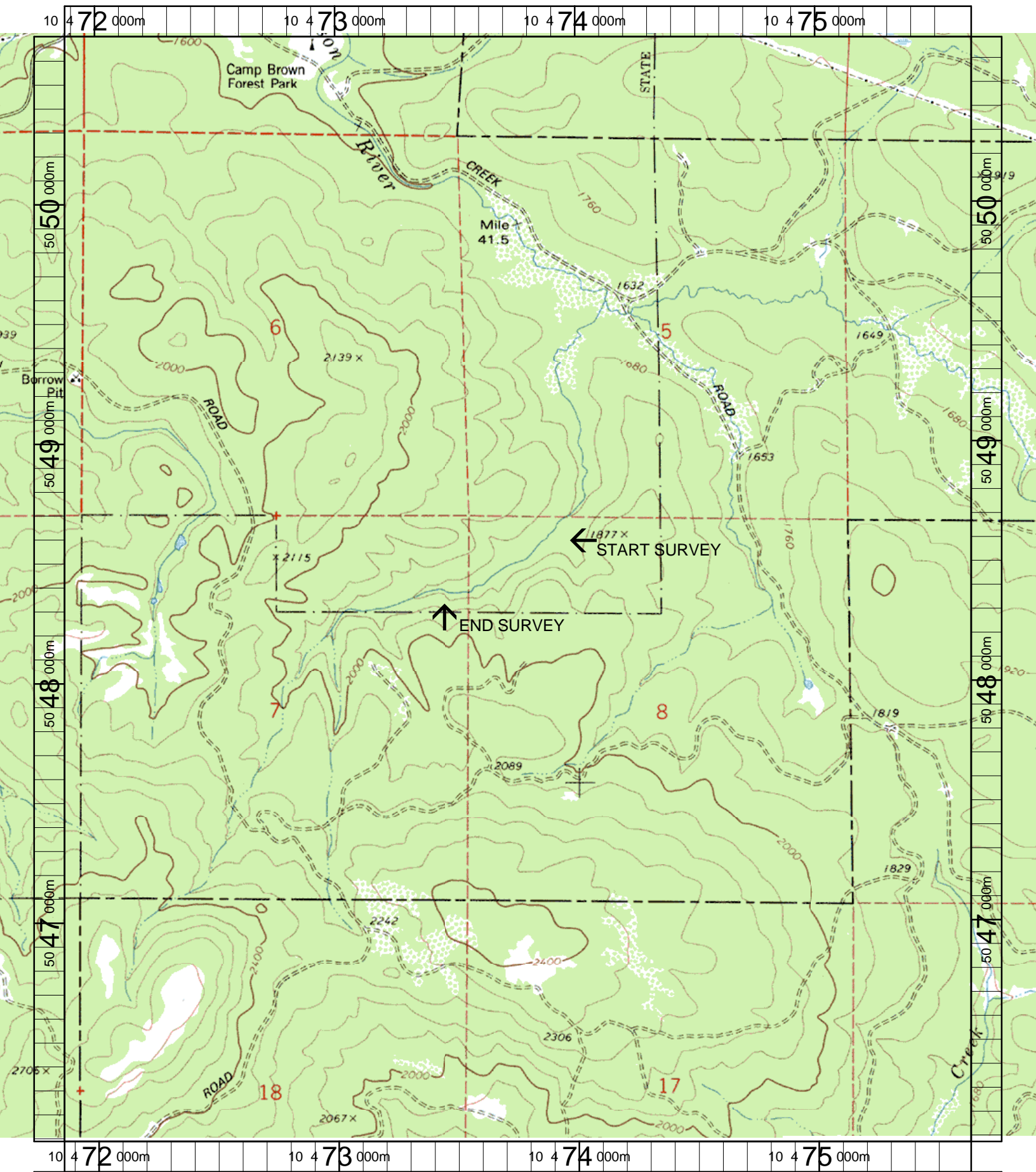
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	SL	00	0.9		START SURVEY, H=.9	FLAGGING UNDER LOG, STA
2	LP	01	20		T=12C	3M RI @ TAILOUT
3	LP	01	26.4	DJ		
5	PD	02	26.4			LARGE LOGS OUT OF ACT C
12	SC	00	51.6	DJ	H=.3	
17	SP	00	122.4			TROUT
18	RB	00	154.1		RIP#1	
19	LP	00	162.5			TROUT, RIP#1
22	IP	10	182.7	WL		FROG
23	RB	01	221.4	/TJ	/TJ	
24	SR	11	221.4			BR = HARDPAN TRIB UNIT
25	PP	11	221.4			TRIB UNIT
28	RB	01	268.2	RF		
30	SL	02	268.2		H=.3	
31	RB	02	268.2	TJ/	TJ/	
32	RB	11	268.2	RF		TRIB UNIT
34	LP	00	291.3			RIP#2
38	LP	00	328.4	DJ		
42	SP	00	365			TROUT FRY
43	RB	00	373.3			CLEARCUT LEFT ABOVE 60
47	RB	00	428.3			RIP#3

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 1-NC SITE ID: 133 DEVILS LAKE FK UPPER PRE-TX (N

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
52	LP	01	465.4			FRY
53	SC	01	468.3	DJ	H=.6	
54	DU	02	468.3	DJ		
57	SL	02	468.3		H=.3	
60	LP	00	497		END SURVEY	END SURVEY



Name: ROARING CREEK
 Date: 3/20/2003
 Scale: 1 inch equals 1666 feet

Location: 10 473749 E 5048392 N
 Caption: DEVILS LAKE FORK (UPPER) RESTORATION SITE - WILSON BASIN