

REACH 1

T2N-R6W-36NE

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

Valley Width Index avg: 10.0 range: 10.0-10.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	100	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	523	3,885	0
Secondary	74	295	0

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	5.9	Width	9.0		16.8		15.0
Depth	0.63	Height	0.5		1.1		1.3
		W:D ratio	16.8	Entrenchment	1.9		

Stream Flow Type: MF Water Temp: 5.0-5.0°C
 Avg. Unit Gradient: 0.1% Habitat Units/100m: 4.2

Riparian, Bank, and Wood Summary

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

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 (≥3m x 0.15m)	47	9.0
Volume (m ³)	167	31.9
Key pieces (≥10m x 0.6m)	2	0.4

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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
CASCADE/BOULDERS	1	4	0.4	0.10	2	0	60	20	20	0	0	0
GLIDE	3	73	6.5	0.58	500	0	10	7	13	0	0	70
POOL-ALCOVE	3	27	2.3	0.35	60	0	95	3	2	0	0	0
POOL-BACKWATER	3	37	4.0	0.47	224	0	70	17	13	0	0	0
POOL-DAMMED	1	110	7.4	1.30	814	0	80	5	5	0	0	10
POOL-LATERAL SCOUR	7	183	8.2	1.14	1,501	0	27	17	28	0	0	29
RAPID/BOULDERS	1	6	1.4	0.10	8	0	84	5	11	0	0	0
RIFFLE	6	156	7.1	0.37	1,071	0	7	12	32	0	0	49
Total:	25	597	5.9	0.63	4,180	0	Avg:39	12	20	0	0	28

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	7	174	3.7	0.54	1,099	26.28	0	0.0
Scour Pools	7	183	8.2	1.14	1,501	35.91	0	0.0
Glides	3	73	6.5	0.58	500	11.95	0	0.0
Riffles	6	156	7.1	0.37	1,071	25.62	0	0.0
Rapids	1	6	1.4	0.10	8	0.20	0	0.0
Cascades	1	4	0.4	0.10	2	0.04	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>
	14	23.5
Pools ≥1m deep:	5	8.4
Complex pools (LWD pieces ≥3):	6	10.1
Pool Frequency (channel widths/pool):	4.7	
Residual pool depth (avg)	0.79m	

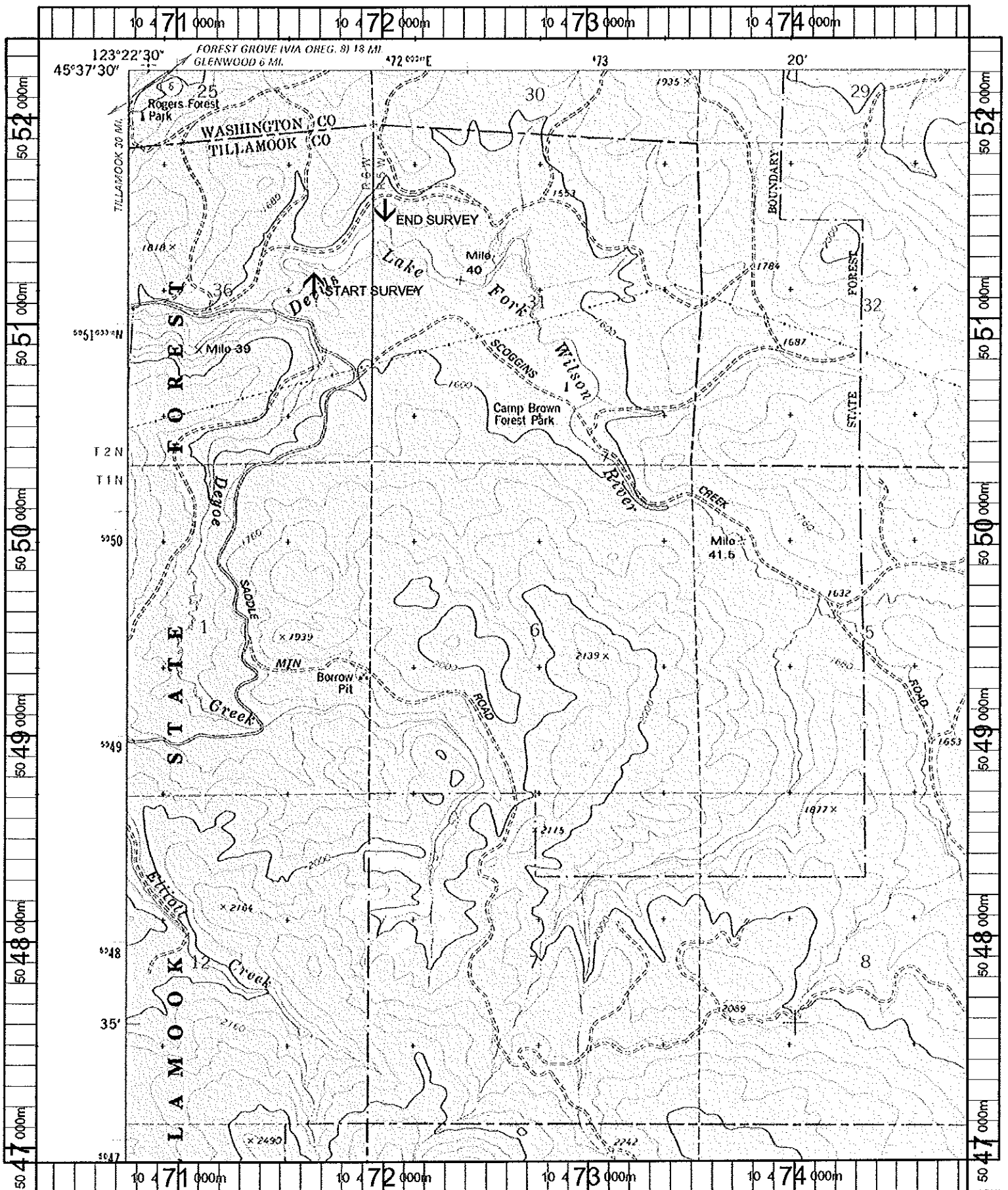
STREAM SUMMARY

DEVILS LAKE FORK (POST-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	597	5.9	0.63	4,180	39	12	20	0	0	28	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	1,501	35.9
Backwater Pools	1,099	26.3
Glide	500	12.0
Riffle	1,071	25.6
Rapid	8	0.2
Cascade	2	**.*
Step	0	0.0
Dry	0	0.0



Name: ROARING CREEK
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 472490 E 5049631 N
 Caption: DEVILS LAKE FORK RESTORATION SITE - WILSON BASIN