

REACH SUMMARY

REACH 1

T4N-R5W-S31SW

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 avg: 1.6 range: 1.0-2.0

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	642	5,197	0
Secondary	85	332	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	7.1	Width	12.8	19.0	17.3
Depth	0.46	Height	0.7	1.4	1.5
		W:D ratio	18.3	Entrenchment	1.5

Stream Flow Type: HF Water Temp: 5.0-5.0°C  
Avg. Unit Gradient: 0.9% Habitat Units/100m: 4.1

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	ST
Riparian Vegetation:	C50	M30

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)	166	25.9
Volume (m <sup>3</sup> )	67	10.4
Key pieces (≥10m x 0.6m)	1	0.2

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 <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
POOL-BACKWATER	3	22	4.3	0.33	96	0	5	45	30	12	5	3
POOL-DAMMED	1	12	9.0	0.50	109	0	5	50	40	5	0	0
POOL-LATERAL SCOUR	5	153	9.1	0.85	1,401	0	2	24	43	9	0	22
POOL-PLUNGE	2	20	7.8	1.08	155	0	5	30	30	5	3	28
POOL-TRENCH	1	39	6.5	1.20	254	0	5	27	14	0	0	55
RAPID/BOULDERS	1	9	2.0	0.10	18	0	0	10	60	30	0	0
RIFFLE	16	472	7.1	0.27	3,492	0	3	19	47	12	1	18
STEP/LOG	1	1	8.4	0.30	4	0	0	40	40	0	0	20
<b>Total:</b>	<b>30</b>	<b>727</b>	<b>7.1</b>	<b>0.46</b>	<b>5,529</b>	<b>0</b>	<b>Avg: 3</b>	<b>25</b>	<b>43</b>	<b>11</b>	<b>1</b>	<b>18</b>

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m <sup>2</sup> )	Percent	Large Boulders Number	#/100m <sup>2</sup>
Dammed & BW Pools	4	34	5.5	0.38	205	3.70	0	0.0
Scour Pools	8	212	8.5	0.95	1,810	32.74	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	16	472	7.1	0.27	3,492	63.17	0	0.0
Rapids	1	9	2.0	0.10	18	0.32	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	1	1	8.4	0.30	4	0.08	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

	Total	#/Km
All Pools	12	16.5
Pools ≥1m deep:	2	2.8
Complex pools (LWD pieces≥3):	5	6.9
Pool Frequency (channel widths/pool):	4.7	
Residual pool depth (avg)	0.66m	

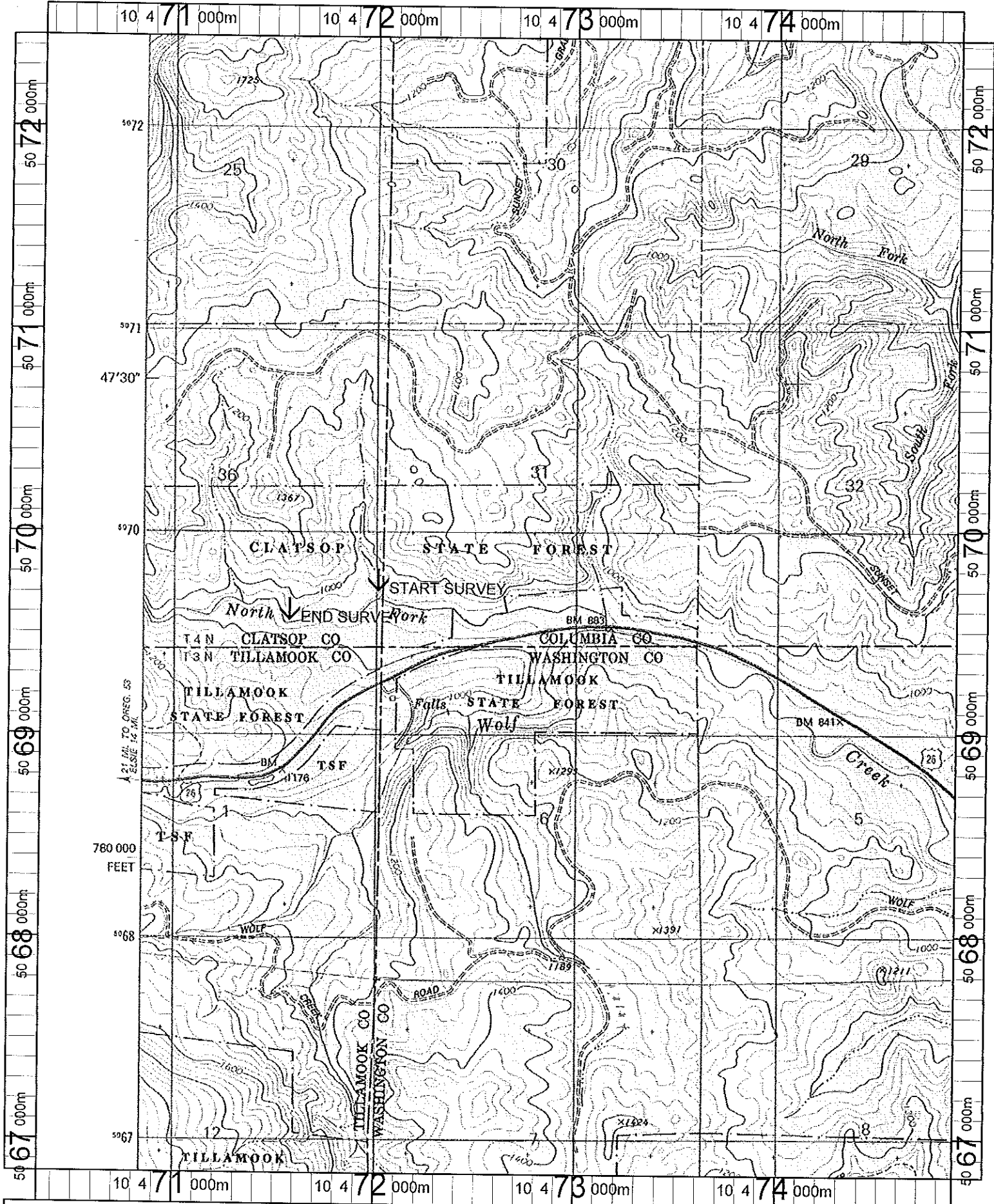
STREAM SUMMARY

NORTH FORK WOLF CREEK - REFERE

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	Bdrk	
30	727	7.1	0.46	5,529	3	25	43	11	1	18	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	1,810	32.7
Backwater Pools	205	3.7
Glide	0	0.0
Riffle	3,492	63.2
Rapid	18	0.3
Cascade	0	0.0
Step	4	0.1
Dry	0	0.0

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<p>Name: CLEAR CREEK          Date: 10/3/101          Scale: 1 inch equals 2000 feet</p>	<p>Location: 10 472520 E 5069615 N          Caption: NF WOLF CREEK RESTORATION SITE - NEHALEM BASIN</p>
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