

REACH

T06N-R06W-S08SW

REACH

**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	8.8	VWI Range:	6 - 10

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	505	2,565	0
Secondary			0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.0	Width	8.5	42.3	31.5
Depth	0.99	Height	1.0	2.0	2.2
		W:D ratio	8.5	Entrenchment	5.2

Stream Flow Type: MF                      Water temp (C): 8.0 - 8.0  
 Avg. Unit Gradient: 0.1%                      Habitat Units/100m: 4.9

**Riparian, Bank, and Wood Summary**

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

Bank Condition and Shade

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

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	55	10.9
Volume (m <sup>3</sup> ):	320	63.2
Key pieces (>=10m x 0.60m):	18	3.6

**OREGON DEPARTMENT OF FISH AND WILDLIFE    NORTHRUP CREEK LOWER POST-TX (N-173)**

**HABITAT INVENTORY**

Report Date: 5/6/03

Survey Date:

1/23/03

<b>REACH</b>		<b>T06N-R06W-S08SW</b>						<b>REACH</b>					
<b>HABITAT DETAIL</b>													
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	Cbl	Bldr	Bdrk	
POOL-DAMMED	1	16	5.0	0.30	79	0	45	45	10	0	0	0	
POOL-LATERAL SCOUR	18	400	5.1	1.14	2,055	0	42	38	16	4	0	1	
POOL-PLUNGE	1	15	5.4	1.20	81	0	45	45	10	0	0	0	
POOL-STRAIGHT SCOUR	2	51	5.3	0.90	272	0	42	42	10	5	0	0	
RIFFLE	2	23	3.3	0.38	76	0	30	33	25	8	0	5	
STEP/LOG	1	0	6.5	0.20	2	0	45	45	10	0	0	0	
<b>Total:</b>	<b>25</b>	<b>505</b>	<b>5.0</b>	<b>0.99</b>	<b>2,565</b>	<b>0</b>	<b>Avg 41</b>	<b>39</b>	<b>15</b>	<b>4</b>	<b>0</b>	<b>1</b>	

<b>HABITAT SUMMARY</b>									
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders		
					(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )	
Dammed & BW Pools	1	16	5.0	0.30	79	3.06%	0	0.0	
Scour Pools	21	466	5.2	1.12	2,408	93.89%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	2	23	3.3	0.38	76	2.97%	0	0.0	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	1	0	6.5	0.20	2	0.08%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

<b>POOL SUMMARY</b>		
	<u>Total</u>	<u># / Km</u>
All Pools:	22	43.5
Pools >=1m deep:	13	25.7
Complex pools (LWD pieces>=3):	6	11.9
Pool frequency (channel widths/pool):	2.7	
Residual pool depth (avg):	0.74	

**STREAM SUMMARY**

**NORTHRUP CREEK LOWER POST-TX (N-173)**

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Large Boulders (>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
25	505	5.0	0.99	2,565	41	39	15	4	0	1	

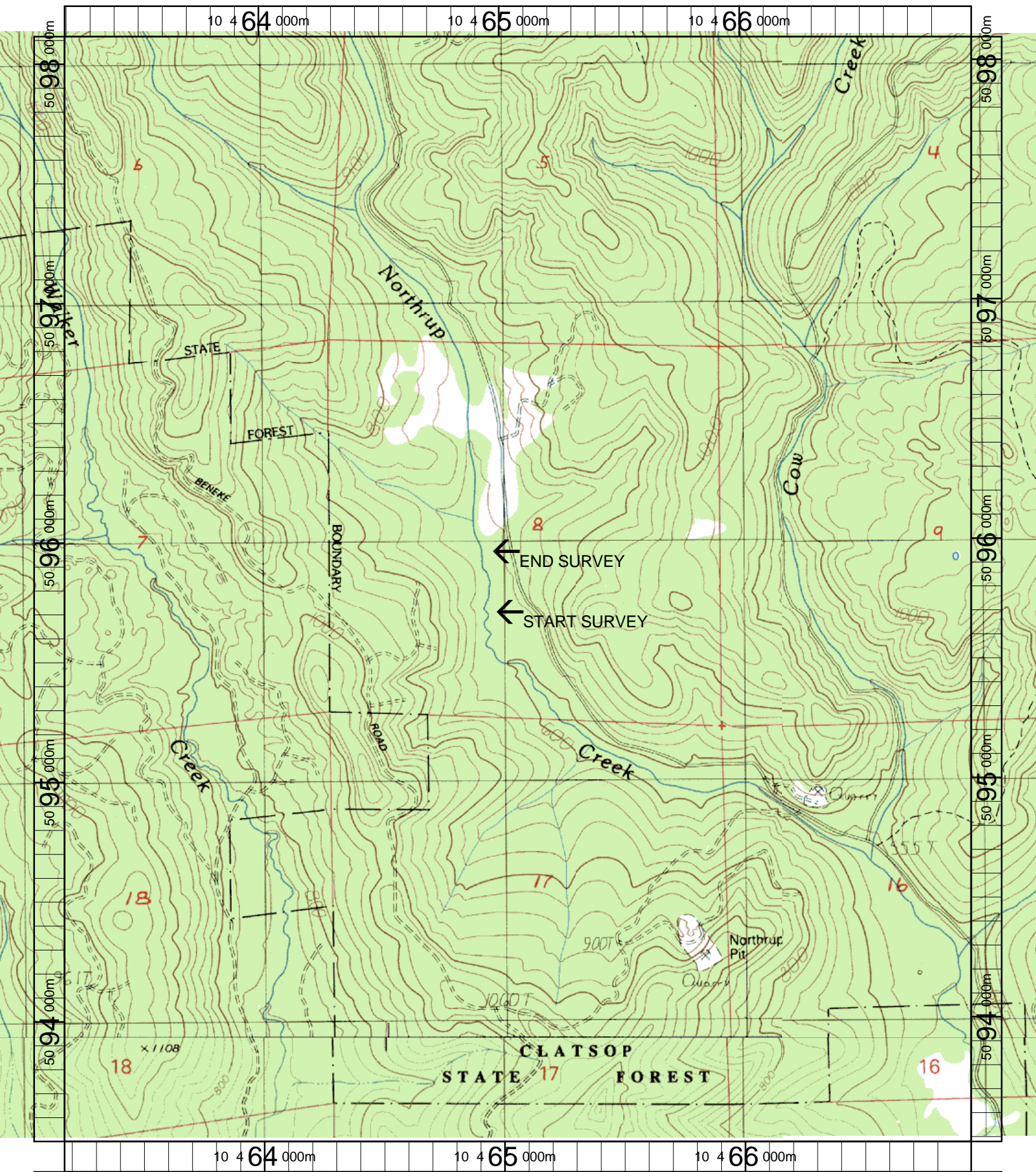
Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Dammed & BW Pools	79	3.06%
Scour Pools	2,408	93.89%
Glides	0	0.00%
Riffles	76	2.97%
Rapids	0	0.00%
Cascades	0	0.00%
Step/Falls	2	0.08%
Dry	0	0.00%
Culverts	0	0.00%

# Comment Summary

## Restoration Monitoring Sites 2003

**MONITORING AREA: 1-NC    SITE ID: 173    NORTHRUP CREEK LOWER POST-TX (N-173)**

<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	LP	00	23		T=8C/0915	
2	LP	00	46.5	HS, WL	CO CARCASS	
4	SL	00	61.8		H=.1M	
5	LP	00	84.7	WL	FISH CARCASS	
7	SP	00	117.4	WL	BLUE HERON	
9	LP	00	151.1	WL	FISH CARCASS	
11	LP	00	185.1	BV		
12	DP	00	200.8		MALE COHO CARCASS	
13	LP	00	242.2	BV		
14	LP	00	259.8	BV		
15	LP	00	293.8	BV, HS		
16	LP	00	310.1	HS		
17	LP	00	345.7	BV		
19	LP	00	376.7	WL, BV	CF	
20	RI	00	388.7		HARDPAN=BRK	
21	LP	00	402.4	WL	CO CARCASS	
22	SP	00	431.9	WL, BV	CO CARCASS W/AD FIN	
23	LP	00	462	BV, LS/		
24	LP	00	476.3	BV		
25	LP	00	505.3	BV		



Name: NICOLAI MT  
 Date: 6/11/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 465062 E 5095801 N  
 Caption: NORTHRUP CREEK LOWER RESTORATION SITE -  
 NEHALEM BASIN