

REACH

T03N-R09W-S03SE

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 20.4		VWI Range: 20 - 22	

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	510	3,822	0
Secondary	84	196	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.7	Width	8.4	31.2	36.9
Depth	0.97	Height	0.9	1.7	2.0
W:D ratio		9.9	Entrenchment	3.8	

Stream Flow Type: MF      Water temp (C): 8.3 - 8.3  
 Avg. Unit Gradient: 0.1%      Habitat Units/100m: 4.7

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	
Riparian Vegetation:	C30	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):	45	8.8
Volume (m <sup>3</sup> ):	46	9.0
Key pieces (>=10m x 0.60m):	1	0.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

GODS VALLEY CREEK PRE-TX (N-207)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

3/20/03

REACH		T03N-R09W-S03SE					REACH					
HABITAT DETAIL												
Habitat Type	Number	Total	Avg	Avg	Total	Large	Substrate					
	Units	Length	Width	Depth	Area	Boulders	Percent Wetted Area					
		(m)	(m)	(m)	(m <sup>2</sup> )	(>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk
POOL-LATERAL SCOUR	14	406	7.0	1.36	3,264	0	16	18	64	1	0	0
POOL-STRAIGHT SCOUR	1	18	5.8	1.50	105	0	29	43	24	5	0	0
RIFFLE	8	169	3.1	0.32	640	0	16	14	69	1	0	1
STEP/LOG	1	1	8.8	0.10	9	0	11	11	79	0	0	0
<b>Total:</b>	24	595	5.7	0.97	4,018	0	<b>Avg</b> 16	17	65	1	0	0

HABITAT SUMMARY									
Habitat Group	Number	Total	Avg	Avg	Wetted Area		Large Boulders		
	Units	Length	Width	Depth	(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )	
		(m)	(m)	(m)					
Dammed & BW Pools	0	0			0	0.00%	0	0.0	
Scour Pools	15	424	6.9	1.37	3,369	83.84%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	8	169	3.1	0.32	640	15.94%	0	0.0	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	1	1	8.8	0.10	9	0.22%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	15	29.4
Pools >=1m deep:	13	25.5
Complex pools (LWD pieces>=3):	8	15.7
Pool frequency (channel widths/pool):	4.7	
Residual pool depth (avg):	1.03	

**STREAM SUMMARY**

**GODS VALLEY CREEK PRE-TX (N-207)**

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate						Large Boulders (#>0.5m)
					Percent Wetted Area						
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
24	595	5.7	0.97	4,018	16	17	65	1	0	0	

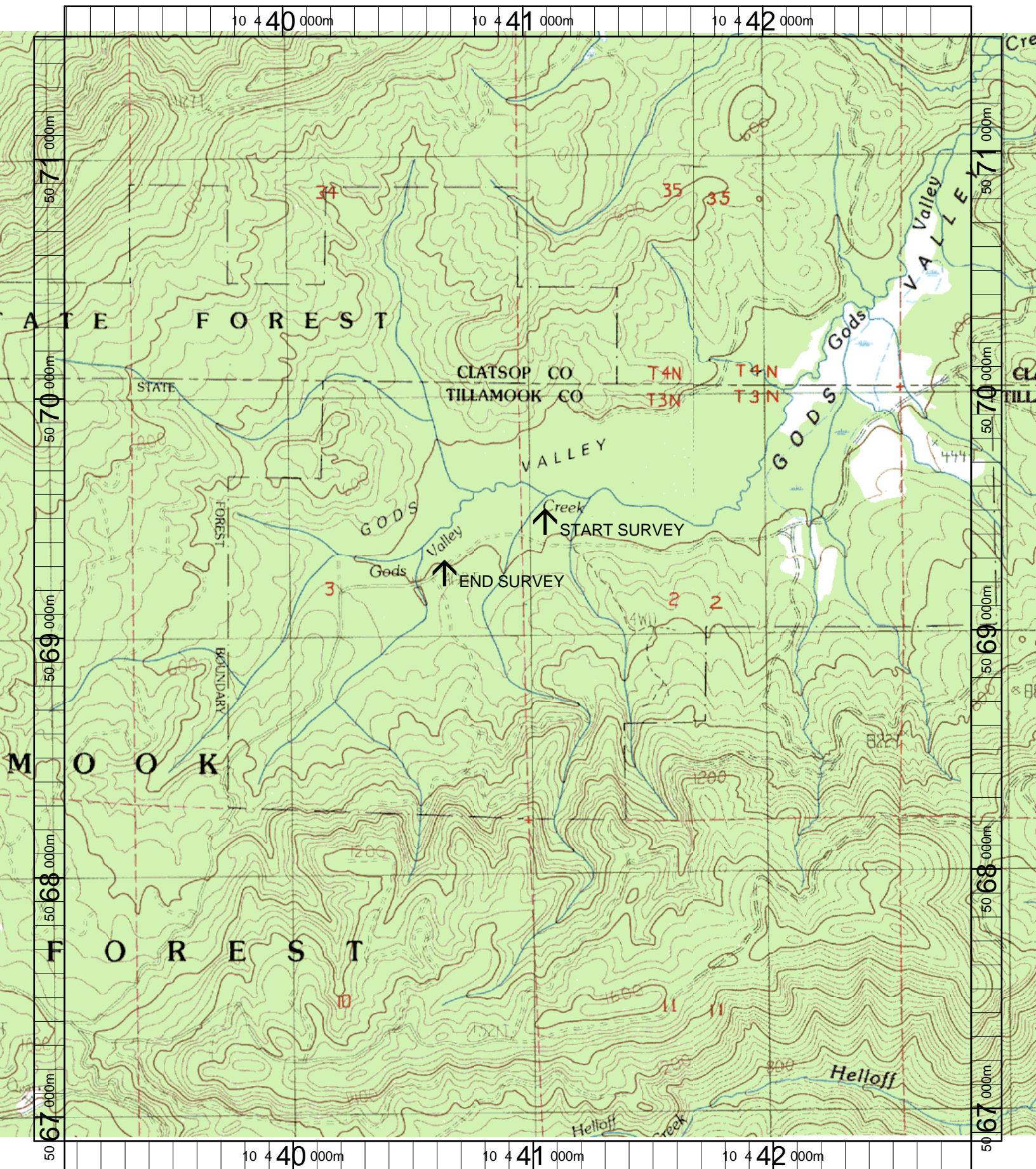
Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Dammed & BW Pools	0	0.00%
Scour Pools	3,369	83.84%
Glides	0	0.00%
Riffles	640	15.94%
Rapids	0	0.00%
Cascades	0	0.00%
Step/Falls	9	0.22%
Dry	0	0.00%
Culverts	0	0.00%

# Comment Summary

## Restoration Monitoring Sites 2003

**MONITORING AREA: 1-NC    SITE ID: 207    GODS VALLEY CREEK PRE-TX (N-207)**

<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	01	50	/TJ	START @ TRIB, 1" FISH	
2	RI	11	50		TRIB UNIT	
4	LP	01	153.3	TJ/	CLAY DIRT, MAX DEPTH	
5	RI	11	153.3		TRIB UNIT, CLAY, DIRT	
6	LP	00	182.6		LOGS INFL TAILOUT	
7	LP	00	223.5		1" COHO	
8	LP	01	257.7	/TJ	1" COHO	
9	RI	11	257.7		40% FLOW, TRIB UNIT	
10	RI	11	257.7		TRIB UNIT-SAME AS PRE	
11	LP	01	272.7		COHO	
12	RI	00	292.6		1M POCKET	
13	LP	00	307.9		COHO PRESENT	
16	RI	01	390.4	TJ/	3 .7M POCKETS	
17	LP	11	390.4		TRIB UNIT	
21	RI	00	480.3		HARDPAN	
22	LP	00	497.2		HARDPAN	
24	RI	00	510.2		T=8.2C/1200	



Name: SOAPSTONE LAKE  
 Date: 6/11/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 440954 E 5069193 N  
 Caption: GODS VALLEY CREEK RESTORATION SITE - NEHALEM BASIN