

REACH

T17S-R07W-S19SW

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	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	8.0	VWI Range:	5.5 - 14

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	506	2,195	0
Secondary	50	95	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.0	Width	6.1	9.3	12.0
Depth	0.42	Height	0.3	0.7	1.1
		W:D ratio	18.6	Entrenchment	1.5

Stream Flow Type:	MF	Water temp (C):	8.5 - 8.5
Avg. Unit Gradient:	1.4%	Habitat Units/100m:	10.5

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	PT
Riparian Vegetation:	D15	S

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):	53	10.5
Volume (m <sup>3</sup> ):	66	13.1
Key pieces (>=10m x 0.60m):	6	1.2

OREGON DEPARTMENT OF FISH AND WILDLIFE

MILLER CREEK PRE-TX (MC-178)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

1/29/03

REACH		T17S-R07W-S19SW					REACH					
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	Cbl	Bldr	Bdrk
CASCADE/BOULDERS	1	5	0.0	0.03	0	0	5	15	70	10	0	0
POOL-BACKWATER	6	39	2.4	0.45	88	0	17	40	44	0	0	0
POOL-LATERAL SCOUR	19	210	4.2	0.74	901	0	11	20	66	3	0	0
POOL-PLUNGE	3	25	4.5	0.67	107	0	14	37	48	2	0	0
RAPID/BOULDERS	1	7	1.2	0.10	8	0	11	22	44	22	0	0
RIFFLE	15	228	4.0	0.16	947	0	2	7	87	5	0	0
STEP/COBBLE	8	44	5.7	0.13	240	0	2	5	89	4	0	0
<b>Total:</b>	<b>53</b>	<b>555</b>	<b>4.0</b>	<b>0.42</b>	<b>2,290</b>	<b>0</b>	<b>Avg 8</b>	<b>17</b>	<b>71</b>	<b>4</b>	<b>0</b>	<b>0</b>

HABITAT SUMMARY								
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	6	39	2.4	0.45	88	3.82%	0	0.0
Scour Pools	22	235	4.2	0.73	1,007	43.98%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	15	228	4.0	0.16	947	41.36%	0	0.0
Rapids	1	7	1.2	0.10	8	0.34%	0	0.0
Cascades	1	5	0.0	0.03	0	0.01%	0	0.0
Step/Falls	8	44	5.7	0.13	240	10.48%	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:	28	55.4
Pools >=1m deep:	3	5.9
Complex pools (LWD pieces>=3):	6	11.9
Pool frequency (channel widths/pool):	3.3	
Residual pool depth (avg):	0.56	

**STREAM SUMMARY**

**MILLER CREEK PRE-TX (MC-178)**

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	
53	555	4.0	0.42	2,290	8	17	71	4	0	0	

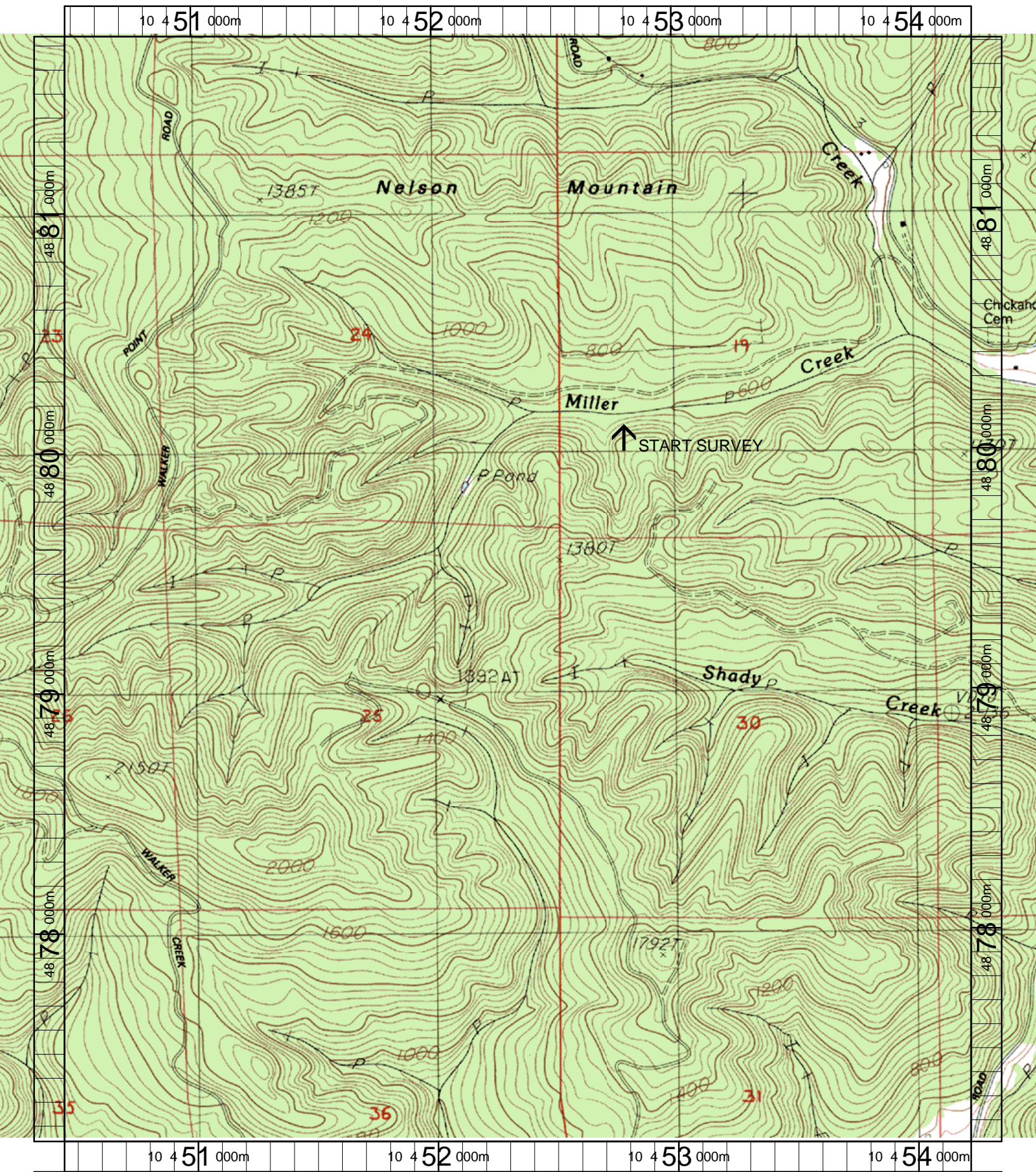
Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Dammed & BW Pools	88	3.82%
Scour Pools	1,007	43.98%
Glides	0	0.00%
Riffles	947	41.36%
Rapids	8	0.34%
Cascades	0	0.01%
Step/Falls	240	10.48%
Dry	0	0.00%
Culverts	0	0.00%

# Comment Summary

## Restoration Monitoring Sites 2003

MONITORING AREA: 2-MC    SITE ID: 178    MILLER CREEK PRE-TX (MC-178)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RI	00	12		T=8.5C	
5	LP	01	54	TJ/		
6	CB	11	54		ACW=1.3, T=8C	
7	RI	00	67.5	SS/		
8	LP	00	80.8	/SS	CARCASS	
10	LP	00	102.3		ORANGE FLAG #8, 3 CAR	
13	BW	10	116.3	DJ	CARCASS	
16	BW	10	147.8	DJ	CARCASS	
20	LP	00	186.2	DJ	CARCASS	
23	RI	00	241.2		ORANGE FLAG #7	
24	LP	00	247.2		CARCASS	
29	SC	01	297.9	/TJ		
30	RB	11	297.9		ACW=1.5	
32	LP	00	304.7		ORANGE FLAG #6	
34	RI	00	321.5		CARCASS	
43	PP	00	396.9		ORANGE FLAG #5	
49	LP	00	456		ORANGE FLAG #4	
50	RI	00	462.5	BV		
51	LP	00	467.6	BV		
52	LP	00	476.6	BV	CARCASS	
53	RI	00	505.7		END SIGN ON .5M LOG	



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

Location: 10 452342 E 4879428 N  
 Caption: MILLER CREEK RESTORATION SITE - SIUSLAW BASIN