

REACH 1

T25S-R11W-S8NE

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	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	8.8	VWI Range:	2.5 - 20

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	740	3,124	0
Secondary			0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.8	Width	7.8	13.7	17.1
Depth	0.47	Height	0.8	1.6	3.5
		W:D ratio	9.5	Entrenchment	1.9
Stream Flow Type:	LF	Water temp (C): 17.0 - 17.0			
Avg. Unit Gradient:	0.6%	Habitat Units/100m: 6.5			

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	ST
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	4%	Reach avg: 73%
Undercut Banks:	8%	Range: 26 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	63	8.5
Volume (m <sup>3</sup> ):	92	12.5
Key pieces (>=10m x 0.60m):	15	2.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

WOODRUFF CREEK PRE-TX (MS-169)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/25/02

REACH 1		T25S-R11W-S8NE					REACH 1						
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	
CULVERT CROSSING	1	32	1.0	0.10	32	0	14	14	29	29	14	0	
POOL-BEAVER DAM	1	14	6.0	1.00	85	0	40	40	20	0	0	0	
POOL-DAMMED	2	42	8.5	0.45	438	2	35	30	33	0	3	0	
POOL-LATERAL SCOUR	26	432	3.9	0.59	1,861	37	15	19	57	4	2	2	
POOL-PLUNGE	1	4	3.0	0.50	13	3	10	20	40	20	10	0	
RIFFLE	10	161	3.0	0.42	498	15	6	12	64	10	3	5	
RIFFLE W/ POCKETS	1	27	4.0	0.20	109	13	6	22	56	6	11	0	
STEP/BEAVER DAM	1	1	5.6	0.01	6	0	9	18	73	0	0	0	
STEP/BOULDERS	2	11	2.9	0.14	32	28	0	0	35	15	50	0	
STEP/COBBLE	1	4	1.8	0.10	8	0	10	20	70	0	0	0	
STEP/LOG	1	11	4.0	0.01	44	0	30	10	40	20	0	0	
STEP/STRUCTURE	1	0	1.6	0.01	0	0	10	20	40	20	10	0	
<b>Total:</b>	<b>48</b>	<b>740</b>	<b>3.8</b>	<b>0.47</b>	<b>3,124</b>	<b>98</b>	<b>Avg 14</b>	<b>17</b>	<b>55</b>	<b>7</b>	<b>5</b>	<b>2</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	3	56	7.7	0.63	523	16.75%	2	0.4
Scour Pools	27	436	3.9	0.59	1,874	59.97%	40	2.1
Glides	0	0			0	0.00%	0	0.0
Riffles	11	188	3.1	0.40	606	19.41%	28	4.6
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	6	27	3.1	0.07	89	2.85%	28	31.4
Dry	0	0			0	0.00%	0	0.0
Culverts	1	32	1.0	0.10	32	1.01%	0	0.0

POOL SUMMARY

	Total	# / Km
All Pools:	30	40.6
Pools >=1m deep:	3	4.1
Complex pools (LWD pieces>=3):	9	12.2
Pool frequency (channel widths/pool):	3.2	
Residual pool depth (avg):	0.39	

**RIPARIAN ZONE VEGETATION SUMMARY**

**REACH 1** **REACH 1**

**Summary of Riparian Zone (0-30m) 3 transects**

Total hardwoods/1000	325
Total conifers/1000 ft	20
Total conifers >20" dbh/1000 ft	0
Total conifers >35" dbh/1000 ft	0

**Average number of trees in a 5-meter wide band**

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	2.7	0.0	0.3	0.3	0.3	0.3	3.3
15-30cm	0.0	0.0	0.0	0.7	0.0	0.7	0.0	1.3
30-50cm	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
50-90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.0	3.0	0.0	1.0	0.3	1.0	0.1	1.8

**Canopy closure and ground cover**

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	35	12	8
Shrub cover	45	40	26
Grass/forb cover	55	20	13

**Predominant landform in each zone**

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	0	17	50
High terrace	67	33	17
Low terrace	17	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	50	33
Riprap	0	0	0
Surface slope (%)	15	10	16

**RIPARIAN ZONE VEGETATION**

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Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
15	LF	1	HT	23	25	80	20	Conifer							
								Hardwood	7						
15	LF	2	RB	0	0	0	0	Conifer							GRAVEL ROADBED
								Hardwood							
15	LF	3	RB	0	0	0	0	Conifer							GRAVEL ROADBED
								Hardwood							
15	RT	1	HT	20	30	60	40	Conifer							
								Hardwood	1						
15	RT	2	HT	20	5	70	30	Conifer							
								Hardwood							
15	RT	3	HS	18	0	0	40	Conifer							1.3 METER DOUGLAS FIR STI IMP
								Hardwood							
24	LF	1	HT	11	100	15	85	Conifer							
								Hardwood			1				
24	LF	2	RB	3	45	50	10	Conifer							
								Hardwood	1	2					
24	LF	3	RB	16	40	45	5	Conifer							
								Hardwood		1					
24	RT	1	HT	10	0	50	50	Conifer							
								Hardwood							
24	RT	2	HT	0	0	100	0	Conifer							
								Hardwood							
24	RT	3	HT	0	0	100	0	Conifer							
								Hardwood							
31	LF	2	RB	2	0	0	0	Conifer							
								Hardwood							
31	LF	3	HS	25	0	0	0	Conifer	1						
								Hardwood	1						
31	LF	31	HT	12	100	30	70	Conifer							
								Hardwood				1			
31	RT	1	LT	11	20	20	80	Conifer							
								Hardwood							
31	RT	2	HS	35	20	20	80	Conifer							
								Hardwood							
31	RT	3	HS	35	5	10	30	Conifer							
								Hardwood		1					

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **3-MS**      SITE ID: **169**      **WOODRUFF CREEK PRE-TX (MS-16)**

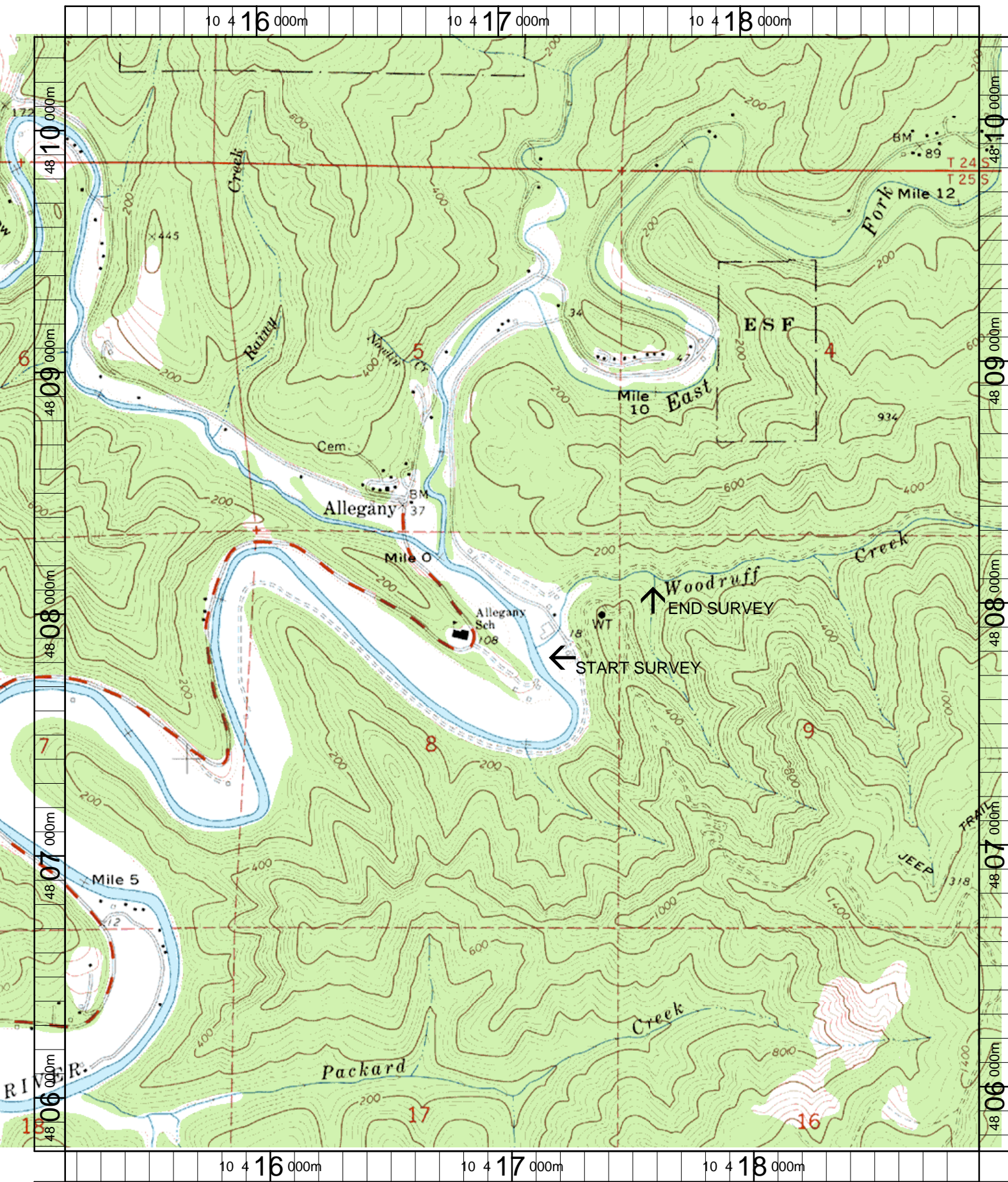
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RI	00	13.4		FISH	
2	SB	00	20.1		DRAINAGE PIPE DEBRIS	
3	LP	00	26.4		COHO	/DRAINAGE PIPE
4	LP	00	37			JUV COHO-COMMON THRU
8	SB	00	70.8	DJ	H = .4	H = .4
9	DP	00	80.4			RUSTY CULVERT INSTREAM
12	SS	00	93.1	CS/CS	H = .25	H = .25, RIPRAP
13	CC	00	124.8	CC		
16	LP	00	164.5			BACKWATER
17	LP	00	183.1		FALLEN WOOD BRIDGE	
19	SD	00	195.1	BD	BEAVER DAM	H = .7
20	BP	00	209.3			MARKER "SITE 10"
21	LP	00	233.2		ISLAND	BACKWATER
22	LP	00	262.6			BACKWATER
23	SC	00	266.9			H = .1
24	LP	00	287.8			BACKWATER
25	LP	00	302.9	DJ		
26	RI	00	324.9	AS	WOOD ON SIE OF BANK	STEEL CABLE
28	RI	00	373.2			SURV MARKER "#1426 STAR
30	LP	00	406.9			METAL TRASH, BACKWATER
31	LP	00	438.9	DJ, AS, WL	ARTIFICIAL WOOD, BV AC BV, ELK SIGN	

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 3-MS      SITE ID: 169      WOODRUFF CREEK PRE-TX (MS-16)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
32	RI	00	474.7			IP/
33	SL	00	485.7	DJ		H = .8
35	LP	00	544.6		LOTS OF TALL ALDER	SITE MARKER "1/4 SECTION"
37	LP	00	567.4	DJ		
39	LP	00	592.6	DJ		ARTIFICIAL
40	RI	00	604			/DRY UNIT
43	LP	00	645.5	DJ		MARKER "SITE 5, ODFW"
47	RP	00	728.7	/TJ	TRIB JUNCTION	
48	LP	00	739.8		STEEP BANK	



Name: ALLEGANY  
 Date: 3/21/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 417065 E 4808064 N  
 Caption: WOODRUFF CREEK RESTORATION SITE - MILLICOMA BASIN