

REACH 1

T20S-R07W-S04SE

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	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index 7.8		VWI Range: 6 - 12	

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	534	1,677	0
Secondary	64	174	2

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.1	Width	6.6	12.5	14.8
Depth	0.24	Height	0.5	0.9	1.4
		W:D ratio	14.6	Entrenchment	1.9
Stream Flow Type:	MF	Water temp (C): 13.5 - 13.5			
Avg. Unit Gradient:	1.7%	Habitat Units/100m: 6.6			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
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: 99%
Undercut Banks:	11%	Range: 94 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	51	9.6
Volume (m ³):	32	6.0
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

OXBOW CREEK PRE-TX (MC-53)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/8/02

REACH 1		T20S-R07W-S04SE						REACH 1					
Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (#>0.5m)	Substrate						
							Percent Wetted Area						
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
DRY UNIT	1	23	3.5	0.00	79	2	0	0	25	70	5	0	
POOL-LATERAL SCOUR	15	214	3.2	0.40	675	16	11	17	17	11	5	38	
POOL-PLUNGE	1	10	2.3	0.50	23	0	5	5	5	0	0	85	
POOL-STRAIGHT SCOUR	1	17	4.2	0.35	73	0	5	5	0	0	0	90	
PUDDLED UNIT	1	23	1.8	0.10	41	0	5	5	5	0	5	80	
RAPID/BEDROCK	2	40	3.1	0.15	118	0	5	3	3	3	0	88	
RIFFLE	13	265	3.1	0.10	820	23	1	7	20	15	11	46	
STEP/COBBLE	1	6	3.6	0.05	22	0	5	5	50	40	0	0	
Total:	35	597	3.1	0.24	1,851	41	Avg 6	11	17	14	6	46	

HABITAT SUMMARY								
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m ²)	Percent	Number	(# / 100m ²)
Dammed & BW Pools	0	0			0	0.00%	0	0.0
Scour Pools	17	241	3.2	0.40	770	41.61%	16	2.1
Glides	0	0			0	0.00%	0	0.0
Riffles	13	265	3.1	0.10	820	44.29%	23	2.8
Rapids	2	40	3.1	0.15	118	6.39%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	1	6	3.6	0.05	22	1.21%	0	0.0
Dry	2	46	2.7	0.05	120	6.51%	2	1.7
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	17	31.9
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	4	7.5
Pool frequency (channel widths/pool):	5.4	
Residual pool depth (avg):	0.37	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	1504
Total conifers/1000 ft	386
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	3.7	0.0	7.3	2.7	4.7	2.7	15.7
15-30cm	0.0	4.0	2.0	1.0	1.0	0.7	3.0	5.7
30-50cm	0.0	2.3	0.3	0.7	0.3	0.0	0.7	3.0
50-90cm	0.0	0.3	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	10.3	2.3	9.0	4.0	5.3	2.1	8.2

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	80		78		74	
Shrub cover	69		52		30	
Grass/forb cover	20		28		23	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	17		50		50	
High terrace	67		33		17	
Low terrace	0		0		0	
Floodplain	17		17		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		0		33	
Riprap	0		0		0	
Surface slope (%)	17		33		43	

RIPARIAN ZONE VEGETATION

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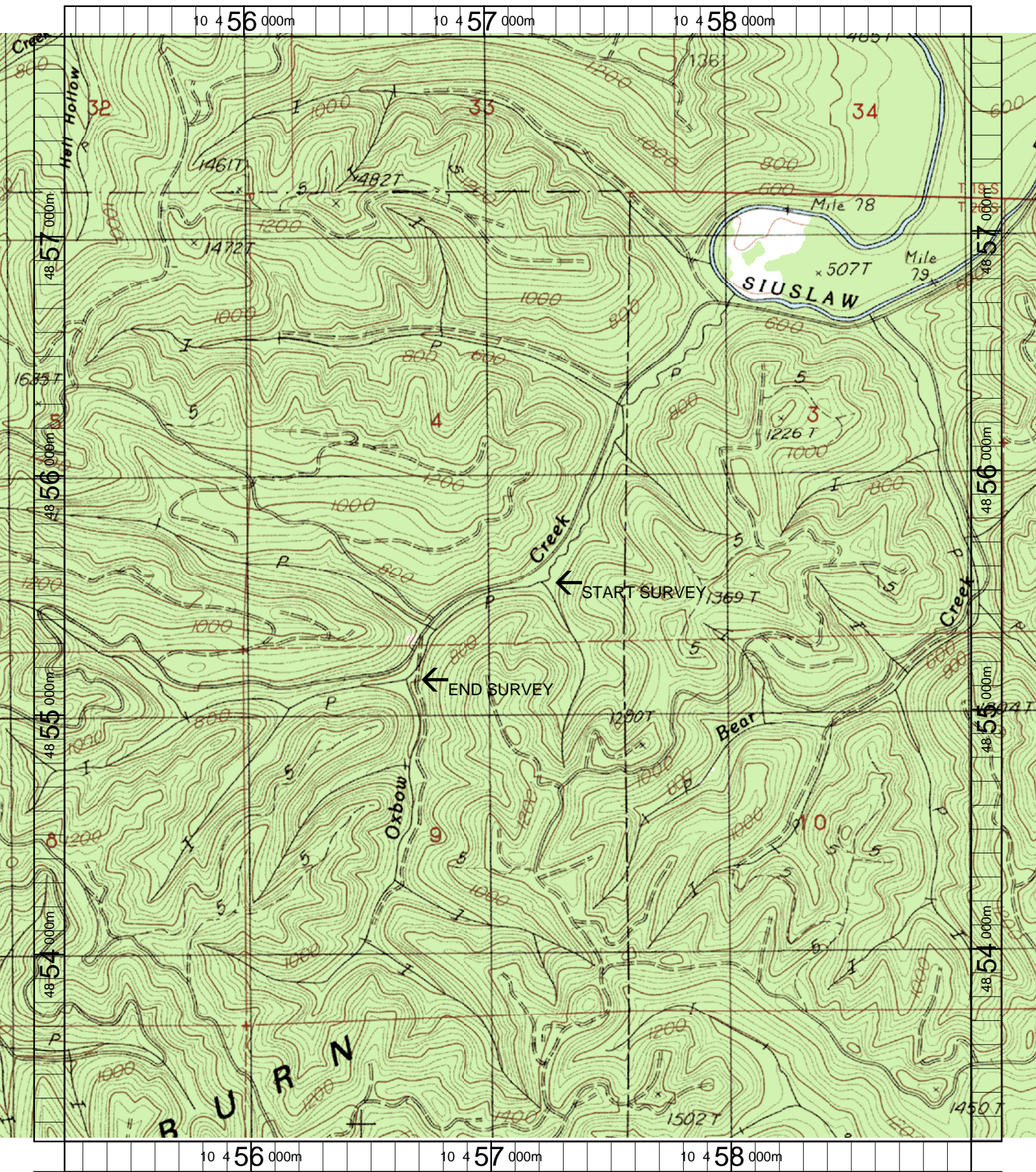
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
13	LF	1	HS	80	80	25	40	Conifer							
								Hardwood	3	3					
13	LF	2	HS	100	75	20	60	Conifer		3					VMAPLE
								Hardwood	5						
13	LF	3	HS	110	90	10	25	Conifer	6						
								Hardwood	3						
13	RT	1	FP	0	80	90	10	Conifer							
								Hardwood	2	4					
13	RT	2	FP	0	80	90	10	Conifer							
								Hardwood	2	3					
13	RT	3	HT	5	75	90	10	Conifer							
								Hardwood	1						
20	LF	1	HT	5	75	80	10	Conifer							
								Hardwood			2				
20	LF	2	HS	70	70	30	20	Conifer		3					VMAPLE
								Hardwood	13						
20	LF	3	HS	75	60	60	20	Conifer	1	2					
								Hardwood		2					
20	RT	1	HT	15	90	60	30	Conifer							
								Hardwood			2				
20	RT	2	HT	10	90	70	25	Conifer							
								Hardwood			2				
20	RT	3	RB	0	90	5	5	Conifer							19-7-25.1
								Hardwood							
28	LF	1	HT	0	75	70	20	Conifer							
								Hardwood	6	2	1	1			
28	LF	2	HT	0	65	40	25	Conifer			1				
								Hardwood	2						
28	LF	3	HS	65	80	5	70	Conifer	1	1					
								Hardwood	9						
28	RT	1	HT	0	80	90	10	Conifer							
								Hardwood		3	2				
28	RT	2	HS	15	85	60	30	Conifer							
								Hardwood							
28	RT	3	RB	0	50	10	5	Conifer				1			
								Hardwood	1						

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **2-MC** SITE ID: **53** **OXBOW CREEK PRE-TX (MC-53)**

<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	8.3		START JUST ABOVE TJ/	START
2	RI	00	15.3		T=13.5C@1100	
3	LP	01	30.5	WL		RSN, CRAYFISH
4	LP	01	49.1			SMALL RB @ TAIL
5	LP	01	58.1			SMALL RI BETWEEN POOLS
7	RI	01	87.6	DJ	2 POCKETS	2 POOLS .3M DEEP
9	PD	02	87.6	WL	SMALL SR BETWEEN PD	RSN
10	PP	02	87.6	DJ		
11	DU	02	87.6	DJ		
13	LP	00	132		RIP#1	ODFW FLAG"REACH 1 U#160
14	SC	00	138.2		H=.3	
15	LP	00	155			CT, UT
18	LP	00	227		1M RI IN UNIT	SMALL RI IN MIDDLE
20	LP	00	256.2		FISH	FISH
21	LP	00	271.4	DJ		SM RI AT TAIL
27	SP	00	376.5	WL		ELK CROSSING
28	RI	00	409.1		RIP #3	
30	RI	00	451.5			ORANGE FLAG
31	LP	00	463.3	WL		FISH & CRAYFISH
33	LP	00	504.4			BLUE FLAG "U#180 7-8-98"
35	LP	00	533.5		END SURVEY	END NEW LARGE /CE-60M A



Name: GUNTER
 Date: 3/20/2003
 Scale: 1 inch equals 1666 feet

Location: 10 457121 E 4855519 N
 Caption: OXBOW CREEK RESTORATION SITE - SIUSLAW BASIN