

REACH 1

T21S-R08W-S06NW

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	5.8	VWI Range:	3 - 9

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	506	1,226	1
Secondary			0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.5	Width	4.6	6.7	8.8
Depth	0.19	Height	0.4	0.7	1.5
		W:D ratio	13.2	Entrenchment	1.5
Stream Flow Type:	LF	Water temp (C):		16.0 - 16.0	
Avg. Unit Gradient:	2.1%	Habitat Units/100m:		7.3	

**Riparian, Bank, and Wood Summary**

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	8%	Reach avg: 96%
Undercut Banks:	13%	Range: 67 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	76	15.0
Volume (m <sup>3</sup> ):	214	42.3
Key pieces (>=10m x 0.60m):	31	6.1

OREGON DEPARTMENT OF FISH AND WILDLIFE

CLABBER CR (PHASE 1) POST-TX (U-129)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/30/02

REACH 1		T21S-R08W-S06NW					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	17	3.3	0.10	56	0	0	20	50	30	0	0	0
DRY UNIT	1	4	0.0	0.00	0	0	0	20	80	0	0	0	0
POOL-LATERAL SCOUR	13	124	3.1	0.39	381	3	12	38	31	4	1	14	14
POOL-STRAIGHT SCOUR	1	18	3.0	0.41	54	3	0	20	10	0	0	0	70
RAPID/BEDROCK	1	14	3.6	0.05	51	0	0	5	5	0	0	0	90
RAPID/BOULDERS	5	91	1.9	0.08	165	18	4	26	52	14	3	2	2
RIFFLE	12	232	2.1	0.08	504	10	5	20	60	10	0	0	5
STEP/BEDROCK	1	2	4.2	0.05	9	0	0	0	0	0	0	0	100
STEP/COBBLE	2	5	1.1	0.08	5	0	5	20	65	10	0	0	0
<b>Total:</b>	<b>37</b>	<b>506</b>	<b>2.5</b>	<b>0.19</b>	<b>1,226</b>	<b>34</b>	<b>Avg 7</b>	<b>26</b>	<b>45</b>	<b>8</b>	<b>1</b>	<b>14</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	0	0			0	0.00%	0	0.0
Scour Pools	14	142	3.1	0.39	435	35.50%	6	1.4
Glides	0	0			0	0.00%	0	0.0
Riffles	12	232	2.1	0.08	504	41.15%	10	2.0
Rapids	6	105	2.2	0.08	216	17.63%	18	8.3
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	3	7	2.1	0.07	14	1.15%	0	0.0
Dry	1	4	0.0	0.00	0	0.00%	0	0.0
Culverts	1	17	3.3	0.10	56	4.58%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	14	27.7
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	7	13.8
Pool frequency (channel widths/pool):	7.8	
Residual pool depth (avg):	0.33	

**RIPARIAN ZONE VEGETATION SUMMARY**

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

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

Total hardwoods/1000	1544
Total conifers/1000 ft	406
Total conifers >20" dbh/1000 ft	102
Total conifers >35" dbh/1000 ft	61

**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	0.7	7.0	0.0	6.7	3.0	6.3	3.7	20.0
15-30cm	0.7	2.0	0.3	0.3	0.0	0.3	1.0	2.7
30-50cm	0.0	2.0	0.0	0.0	0.3	0.7	0.3	2.7
50-90cm	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0
>90cm	0.0	0.0	0.7	0.0	0.3	0.0	1.0	0.0
Total/100m2	1.3	11.0	1.0	7.0	4.3	7.3	2.2	8.4

**Canopy closure and ground cover**

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	92		88		80	
Shrub cover	68		37		36	
Grass/forb cover	32		63		52	

**Predominant landform in each zone**

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	17		67		83	
High terrace	67		33		0	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	17		0		17	
Riprap	0		0		0	
Surface slope (%)	3		20		25	

**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		
14	LF	1	HT	0	100	60	40	Conifer							
								Hardwood	3	2					
14	LF	2	HT	0	100	50	50	Conifer							
								Hardwood	1						
14	LF	3	HS	14	70	40	60	Conifer				2	1		
								Hardwood	2						
14	RT	1	HT	0	100	20	80	Conifer		2					
								Hardwood	9						
14	RT	2	HS	10	90	40	60	Conifer						1	
								Hardwood	3						
14	RT	3	HS	10	80	70	30	Conifer	1						
								Hardwood	1	1	1				
20	LF	1	HT	0	60	100	0	Conifer	1						
								Hardwood			3				
20	LF	2	HT	0	90	0	100	Conifer							
								Hardwood	2						
20	LF	3	RB	0	80	0	90	Conifer				1			
								Hardwood	1						
20	RT	1	HT	0	90	60	40	Conifer							
								Hardwood	3						
20	RT	2	HS	10	60	40	60	Conifer			1			1	
								Hardwood	2						
20	RT	3	HS	15	80	15	20	Conifer	7						
								Hardwood							
33	LF	1	RB	0	100	80	20	Conifer	1						
								Hardwood	1	3					
33	LF	2	HS	70	90	10	90	Conifer							
								Hardwood	10						
33	LF	3	HS	60	100	30	70	Conifer	1						
								Hardwood	15						
33	RT	1	HS	15	100	90	10	Conifer							
								Hardwood	5	1	3				
33	RT	2	HS	30	100	80	20	Conifer							
								Hardwood	2	1					
33	RT	3	HS	50	70	60	40	Conifer							
								Hardwood			1				

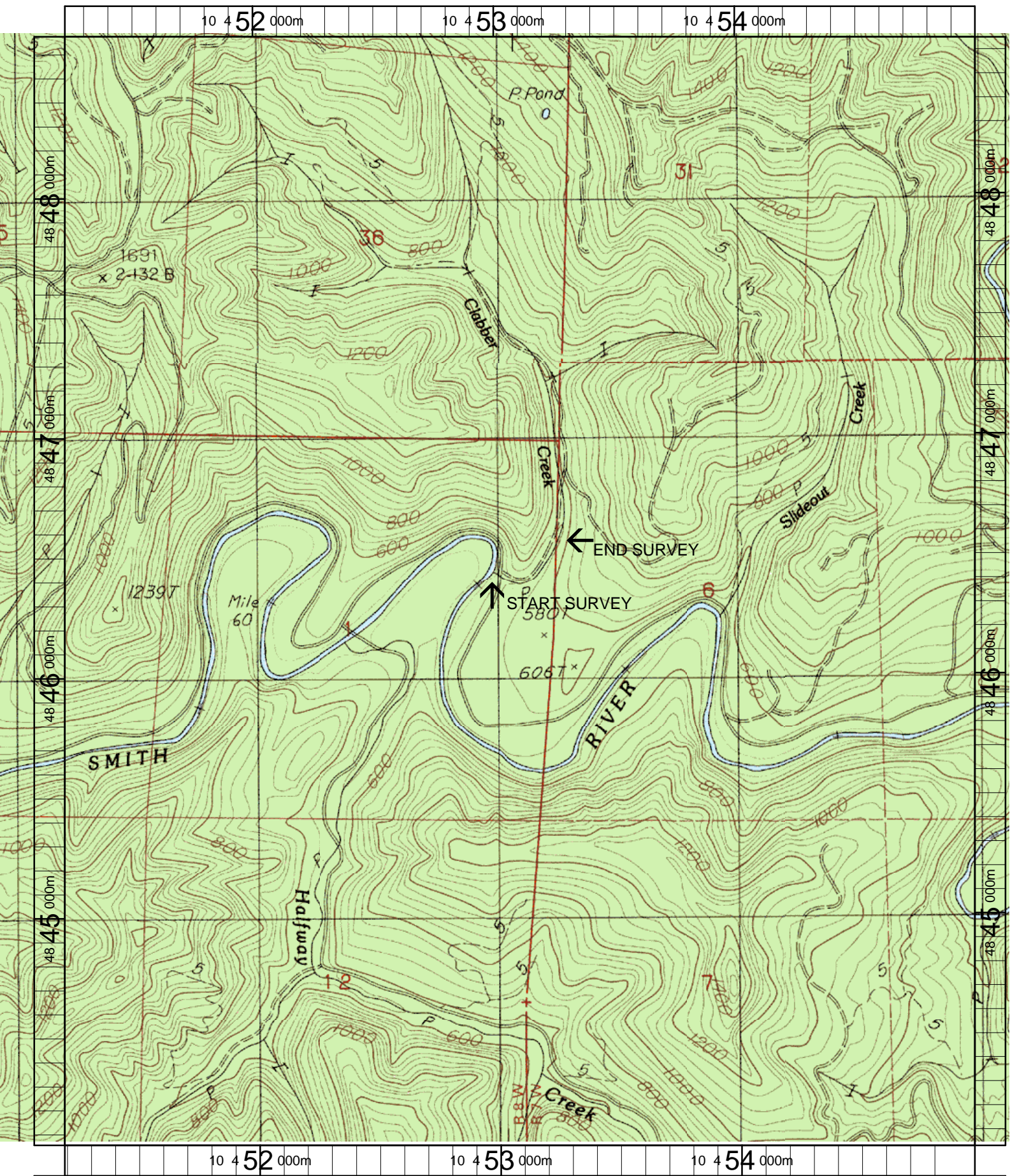
# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 4-UMP    SITE ID: 129    CLABBER CR (PHASE 1) POST-TX (U

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RI	00	23.5		T = 16	T = 16 @ NOON
3	RB	00	57.3	HS		
7	LP	00	100.9	HS, DJ		
11	LP	00	132.4			3 @ 5" COHO
12	CC	00	149.4		DIAMETER = 3.3	NATURAL BOTTOM CULVER
13	RB	00	174.4		SMALL POCKET AT CC E	RIPARIAN #1
14	RI	00	199.4		RIPARIAN #1	
16	LP	00	223.4	HS		
17	DU	00	227.1			SUBSURFACE
19	LP	00	252.1	HS		
20	RI	00	272	20		RIPARIAN #2
21	LP	00	282.4	HS		
23	LP	00	294	HS	FISH HABITAT LOG SIGN	
25	LP	00	324.5	HS		
29	RB	00	387.4	HS		
31	LP	00	411.4		CRAWDADS	
32	SC	00	413.4		SUBSURFACE	MOSTLY SUBSURFACE
33	RI	00	432.5		RIPARIAN #3	RIPARIAN #3
37	LP	00	505.5		END	END





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

Location: 10 453089 E 4846357 N  
 Caption: CLABBER CREEK PHASE 1 RESTORATION SITE - SMITH BASIN