

REACH 1

T21S-R07W-S01NE

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	4.1	VWI Range:	2 - 7

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	524	1,176	0
Secondary	7	12	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.2	Width	5.5	7.7	8.8
Depth	0.26	Height	0.4	0.7	1.1
		W:D ratio	15.1	Entrenchment	1.4
Stream Flow Type:	LF	Water temp (C):		12.5 - 12.5	
Avg. Unit Gradient:	2.0%	Habitat Units/100m:		8.2	

**Riparian, Bank, and Wood Summary**

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	10%	Reach avg: 97%
Undercut Banks:	14%	Range: 89 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	96	18.3
Volume (m <sup>3</sup> ):	94	17.9
Key pieces (>=10m x 0.60m):	7	1.3

REACH 1		T21S-R07W-S01NE					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	1.6	0.10	27	0	0	5	95	0	0	0	
GLIDE	1	14	1.5	0.15	21	0	0	0	80	20	0	0	
POOL-BACKWATER	1	3	3.5	0.30	11	0	0	50	50	0	0	0	
POOL-LATERAL SCOUR	13	156	2.3	0.38	355	22	1	30	48	18	2	0	
POOL-PLUNGE	3	13	4.2	0.63	55	25	0	26	44	3	17	10	
POOL-STRAIGHT SCOUR	1	4	3.0	0.55	12	1	0	10	70	20	0	0	
RAPID/BOULDERS	9	165	2.1	0.13	385	305	0	0	25	39	36	0	
RIFFLE	9	154	2.0	0.11	314	46	0	5	66	24	4	0	
STEP/COBBLE	1	3	2.0	0.05	6	0	0	0	95	5	0	0	
STEP/LOG	4	2	0.9	0.21	2	0	0	15	51	19	13	3	
<b>Total:</b>	<b>43</b>	<b>531</b>	<b>2.2</b>	<b>0.26</b>	<b>1,188</b>	<b>399</b>	<b>Avg</b>	<b>0</b>	<b>15</b>	<b>51</b>	<b>22</b>	<b>11</b>	<b>1</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	1	3	3.5	0.30	11	0.88%	0	0.0
Scour Pools	17	173	2.6	0.44	422	35.50%	48	11.4
Glides	1	14	1.5	0.15	21	1.78%	0	0.0
Riffles	9	154	2.0	0.11	314	26.46%	46	14.6
Rapids	9	165	2.1	0.13	385	32.42%	305	79.2
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	5	5	1.1	0.18	8	0.69%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	17	1.6	0.10	27	2.26%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	18	34.3
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	8	15.3
Pool frequency (channel widths/pool):	5.3	
Residual pool depth (avg):	0.30	

**RIPARIAN ZONE VEGETATION SUMMARY**

REACH 1	REACH 1
<b>Summary of Riparian Zone (0-30m)      3 transects</b>	
Total hardwoods/1000	996
Total conifers/1000 ft	345
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	0.7	4.0	0.0	4.0	2.7	1.3	3.3	9.3
15-30cm	0.0	0.7	0.3	2.0	1.7	0.7	2.0	3.3
30-50cm	0.0	1.3	0.3	1.0	0.0	0.7	0.3	3.0
50-90cm	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.7
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.7	6.0	0.7	7.3	4.3	3.0	1.9	5.4

**Canopy closure and ground cover**

	Zone 1	Zone 2	Zone 3
	0-10 meters (%)	10 - 20 meters (%)	20 - 30 meters (%)
Canopy closure	87	92	91
Shrub cover	65	23	33
Grass/forb cover	31	68	58

**Predominant landform in each zone**

	Zone 1	Zone 2	Zone 3
	0-10 meters (%)	10 - 20 meters (%)	20 - 30 meters (%)
Hillslope	67	50	83
High terrace	33	33	0
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	17	17
Riprap	0	0	0
Surface slope (%)	38	33	58

**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	HS	40	90	60	15	Conifer							
								Hardwood							
15	LF	2	HS	80	100	20	40	Conifer							
								Hardwood	2	1					
15	LF	3	HS	140	100	0	70	Conifer	3	2					
								Hardwood							
15	RT	1	HS	65	90	90	10	Conifer							
								Hardwood		1	1				
15	RT	2	HS	60	90	10	80	Conifer		1					
								Hardwood			1	1			
15	RT	3	RB	0	90	20	80	Conifer							
								Hardwood	1						
25	LF	1	HT	0	90	80	20	Conifer							
								Hardwood	3	1	3				
25	LF	2	HT	0	90	40	60	Conifer							
								Hardwood		5					
25	LF	3	HS	80	95	0	90	Conifer		3					
								Hardwood		1					
25	RT	1	HS	60	90	90	10	Conifer							
								Hardwood							
25	RT	2	RB	0	100	10	90	Conifer							
								Hardwood			1				
25	RT	3	HS	45	80	90	10	Conifer	4						
								Hardwood	2			1			
34	LF	1	HS	60	80	10	90	Conifer	2						
								Hardwood	6						
34	LF	2	HS	60	90	10	90	Conifer				1			
								Hardwood							
34	LF	3	HS	65	100	10	90	Conifer	1						
								Hardwood	1	1	1				
34	RT	1	HT	0	80	60	40	Conifer							
								Hardwood	3						
34	RT	2	HT	0	80	50	50	Conifer							
								Hardwood	10		1				
34	RT	3	HS	18	80	80	10	Conifer							
								Hardwood			1				

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **4-UMP**    SITE ID: **77**    **CLABBER CR. (PHASE 2) PRE-TX (U**

<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	11.8		START, T=12C	START SURVEY
2	CC	00	28.6		NAT. BOTTOM 1.8M CULV	NATURAL BOTTOM
5	LP	00	44.6			FLAGGING
7	LP	00	75.4	DJ		
8	SL	00	75.6		H=.2	
9	LP	00	86.4	DJ	LOT OF GRAVEL DEPOSI	
11	LP	00	118.6			SALMONIDS
14	LP	00	174.1			ONE HUGE BOULDER
15	RB	00	199.6		RIP#1	CRAYFISH
19	RI	00	251.9	SS/		
20	RB	00	276.6			ODFW FLAG " RIP #2 7/12/01"
22	PP	00	294.5			SALMONIDS
23	SL	00	294.9	DJ	H=.4	
24	LP	00	303.1	DJ		
25	RB	00	318.7	WL	T=13C@1220	NUTRIA
26	GL	00	332.8	WL	3" COHO	SALAMANDER
28	SL	00	336.2	DJ	H=.2	
31	LP	00	370.8			SALMONIDS
32	RB	00	379			ODFW FLAG "RIP#3 7/12/01"
33	LP	00	403.6		RIP#3	
35	BW	10	420.5	WL		RSN

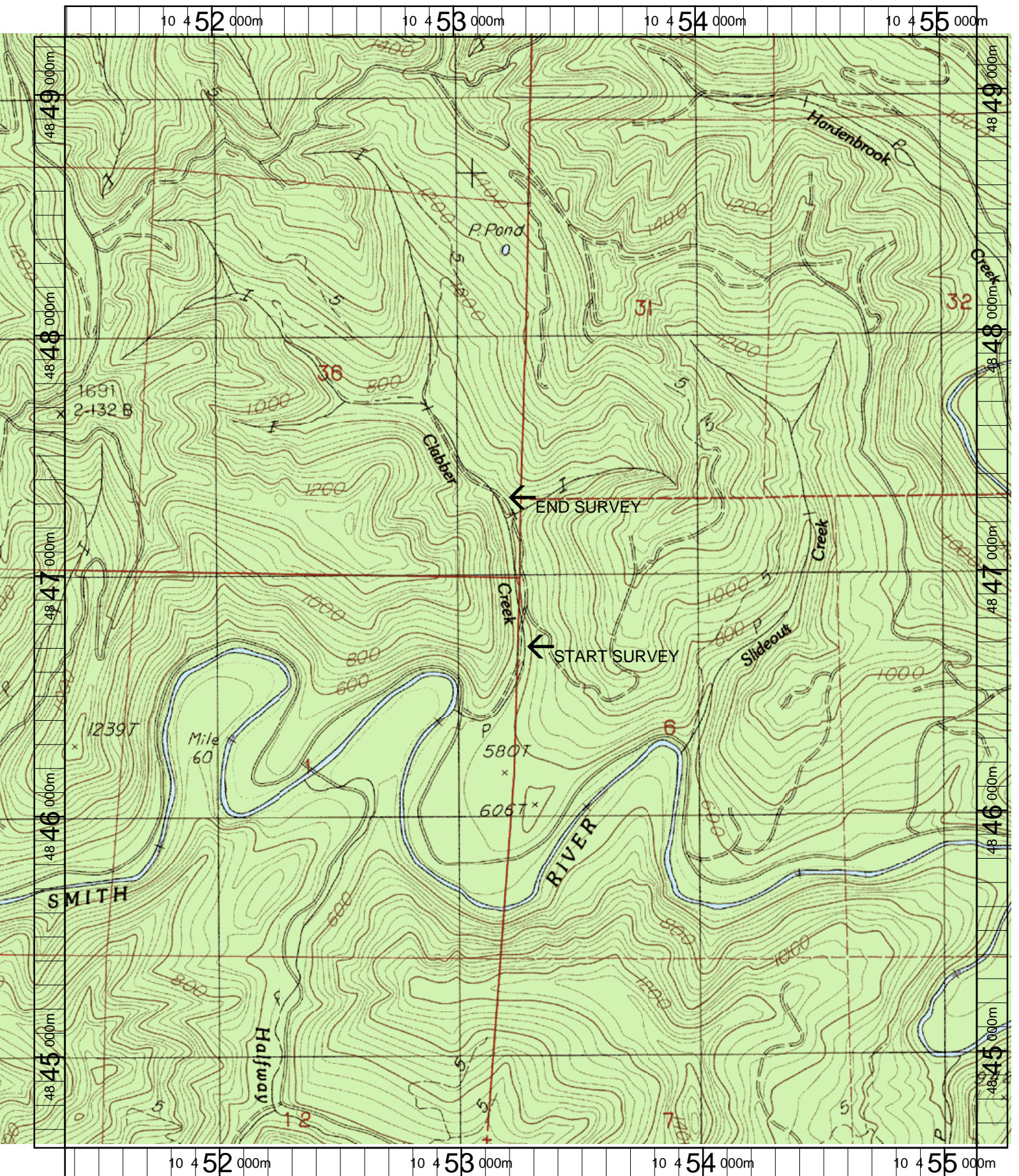
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## Oregon Plan Monitoring Sites 2002

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<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
36	LP	00	430.2	DJ		
39	LP	01	462.1	/TJ	/TJ	SMALL SC BETWEEN
40	RB	11	462.1			TRIB UNIT
41	RB	00	486.8			SALMON SPAWNING END SI
43	LP	00	524.1		END SIGN	END SURVEY





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

Location: 10 453258 E 4846923 N  
 Caption: CLABBER CREEK PHASE 2 RESTORATION SITE - SMITH BASIN