

REACH

T21S-R07W-S01NE

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	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	3.3	VWI Range:	1.25 - 6.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	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	497	1,975	0
Secondary	26	39	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.6	Width	5.9	8.0	10.7
Depth	0.36	Height	0.5	0.9	1.4
		W:D ratio	12.9	Entrenchment	1.4

Stream Flow Type: MF Water temp (C): 9.5 - 9.5
 Avg. Unit Gradient: 2.3% Habitat Units/100m: 9.5

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	OG	ST
Riparian Vegetation:	D30	C50

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):	111	22.3
Volume (m ³):	166	33.4
Key pieces (>=10m x 0.60m):	14	2.8

OREGON DEPARTMENT OF FISH AND WILDLIFE CLABBER CREEK PHASE 2 POST-TX (U-77)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

3/12/03

REACH		T21S-R07W-S01NE					REACH						
Habitat Type	Number Units	HABITAT DETAIL					Substrate						
		Total	Avg	Avg	Total	Large	Percent Wetted Area						
		Length (m)	Width (m)	Depth (m)	Area (m ²)	Boulders (#>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
CASCADE/BOULDERS	2	19	2.3	0.15	54	0	5	7	50	29	7	2	
CULVERT CROSSING	1	16	2.8	0.30	45	0	0	30	40	30	0	0	
POOL-BACKWATER	4	11	2.1	0.34	26	0	13	57	8	0	23	0	
POOL-DAMMED	2	15	4.4	0.55	67	0	11	52	37	0	0	0	
POOL-ISOLATED	1	1	1.0	0.10	1	0	30	70	0	0	0	0	
POOL-LATERAL SCOUR	13	116	4.3	0.62	478	0	5	33	47	11	3	1	
POOL-PLUNGE	2	12	4.0	0.75	48	0	3	28	15	15	35	5	
RAPID/BOULDERS	7	157	3.8	0.19	645	0	2	12	40	38	7	1	
RIFFLE	8	158	3.6	0.19	574	0	1	9	76	13	1	0	
STEP/BOULDERS	2	3	2.3	0.30	7	0	0	10	10	15	40	25	
STEP/COBBLE	3	15	3.9	0.17	64	0	0	7	84	10	0	0	
STEP/LOG	2	2	3.5	0.15	5	0	10	75	15	0	0	0	
Total:	47	523	3.6	0.36	2,014	0	Avg 5	27	44	15	8	2	

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	7	27	2.6	0.36	94	4.66%	0	0.0
Scour Pools	15	128	4.2	0.63	526	26.12%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	8	158	3.6	0.19	574	28.49%	0	0.0
Rapids	7	157	3.8	0.19	645	32.03%	0	0.0
Cascades	2	19	2.3	0.15	54	2.70%	0	0.0
Step/Falls	7	20	3.3	0.20	76	3.77%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	1	16	2.8	0.30	45	2.22%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	22	44.2
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	8	16.1
Pool frequency (channel widths/pool):	4.0	
Residual pool depth (avg):	0.40	

STREAM SUMMARY

CLABBER CREEK PHASE 2 POST-TX (U-77)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Large Boulders (>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
47	523	3.6	0.36	2,014	5	27	44	15	8	2	

Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	94	4.66%
Scour Pools	526	26.12%
Glides	0	0.00%
Riffles	574	28.49%
Rapids	645	32.03%
Cascades	54	2.70%
Step/Falls	76	3.77%
Dry	0	0.00%
Culverts	45	2.22%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 4-UMP SITE ID: 77 CLABBER CREEK PHASE 2 POST-TX (U-77)

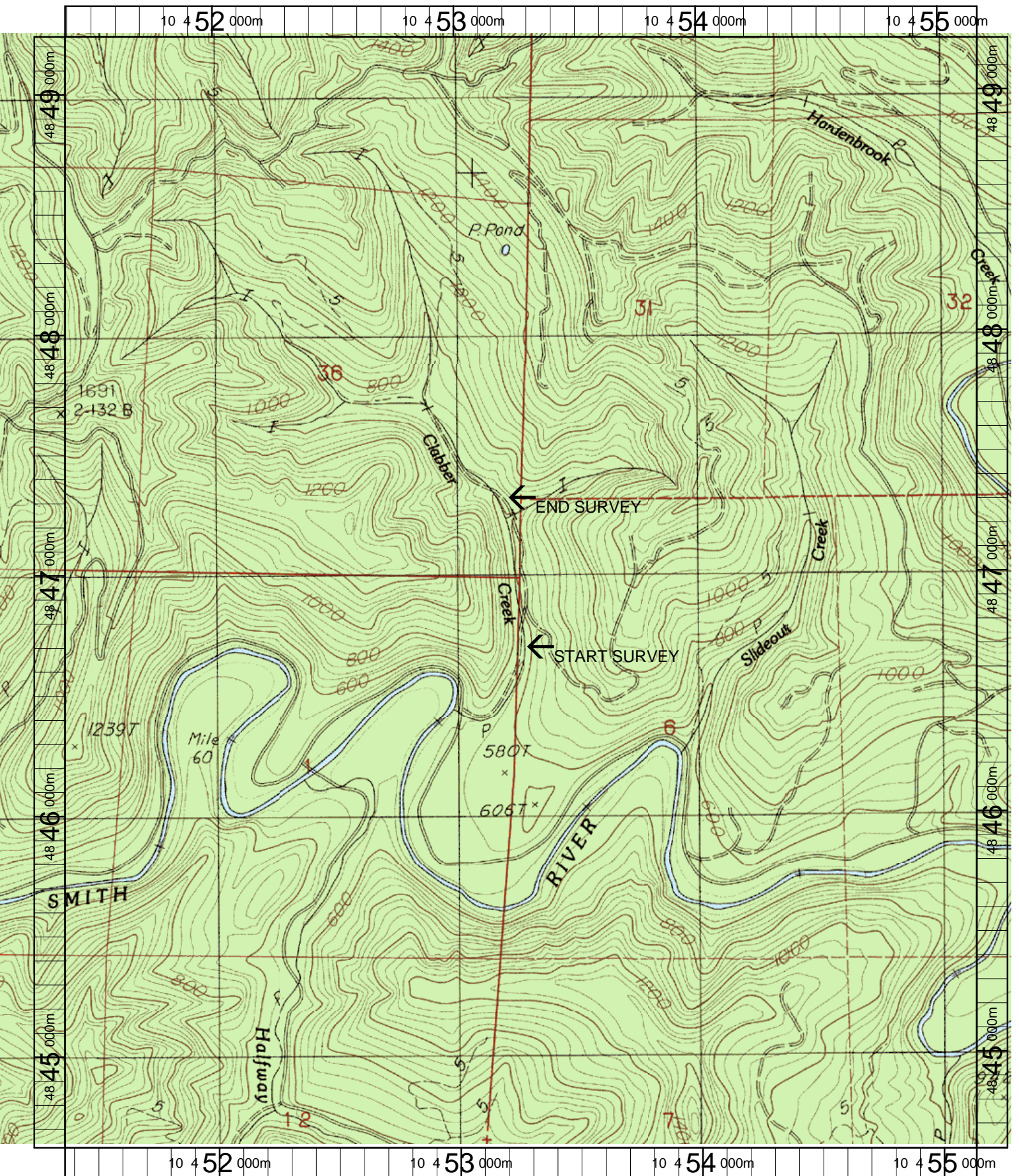
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	LP	00	5.8			POOL EXTENDS INTO CC
2	CC	00	21.8			1.2M DIAM, CC-2 PIPES
3	SL	00	22.3	DJ		H=0.3M
5	RI	00	39.3			REDD
6	LP	01	46.9	HS		
7	CB	11	46.9			ACW=2.0
8	RI	00	54.9			T=9.5C
14	RI	00	135	HS		FLAG-UBWC 10-18-01, U8
17	RB	00	187.9	HS, /LS		LOG CABLE
20	SB	00	210.1			H=0.5M
21	RB	00	237.8	SS/, HS		ORANGE FLAG
22	RB	00	270.8			ORANGE/BL FLAG
26	PP	00	281			FISH
27	SL	00	282	HS, DJ		H=.7M
28	DP	00	291.7	HS		
29	RI	00	315			CARCASS, VALLEY OPEN
30	LP	00	321.8	HS		
31	SC	01	325.8	/SS		ORANGE/BLACK FLAG
33	LP	00	332.8	HS, /SS		
34	RI	00	359.8	HS		PINK STAKE RT
35	LP	00	373.5			FLAG-7/12/01, U33

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 4-UJP SITE ID: 77 CLABBER CREEK PHASE 2 POST-TX (U-77)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
37	LP	00	383.5	HS		
39	LP	00	406.2	HS		
42	LP	00	434.7		SALMON SPAWNING SIG	
43	RB	01	459.7	/TJ		
44	RB	11	459.7		ACW=1.7M	
46	LP	00	480.3		PHOTO POINT #1-PINK S	
47	RB	00	497.3	HS, SS,LI	LA/	



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