

REACH

T20S-R07W-S26SE

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	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index 7.0		VWI Range: 6 - 8	

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	519	3,585	0
Secondary	16	79	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.7	Width	9.3	13.2	15.4
Depth	0.48	Height	0.6	1.1	1.5
		W:D ratio	16.6	Entrenchment	1.4

Stream Flow Type: MF Water temp (C): 6.5 - 6.5
Avg. Unit Gradient: 1.1% Habitat Units/100m: 6.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	LT
Riparian Vegetation:	D30	S

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):	133	25.6
Volume (m ³):	204	39.3
Key pieces (>=10m x 0.60m):	24	4.6

OREGON DEPARTMENT OF FISH AND WILDLIFE

PANTHER CREEK POST-TX (U-96)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/25/03

REACH		T20S-R07W-S26SE					REACH					
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
POOL-BACKWATER	2	16	5.8	0.48	79	0	5	32	30	10	10	14
POOL-LATERAL SCOUR	17	323	6.8	0.68	2,278	0	3	22	20	12	4	38
RAPID/BOULDERS	3	52	6.3	0.30	328	0	0	12	37	32	8	10
RIFFLE	5	89	6.1	0.29	564	0	0	9	37	31	11	13
STEP/BEDROCK	3	15	6.6	0.17	101	0	0	3	3	2	0	92
STEP/BOULDERS	1	5	6.0	0.30	32	0	0	10	40	40	10	0
STEP/COBBLE	4	34	8.3	0.28	282	0	0	9	43	32	3	14
Total:	35	535	6.7	0.48	3,664	0	Avg 2	17	26	19	5	31

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	2	16	5.8	0.48	79	2.16%	0	0.0
Scour Pools	17	323	6.8	0.68	2,278	62.17%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	5	89	6.1	0.29	564	15.39%	0	0.0
Rapids	3	52	6.3	0.30	328	8.94%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	8	54	7.3	0.24	416	11.34%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	19	36.6
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	11	21.2
Pool frequency (channel widths/pool):	3.0	
Residual pool depth (avg):	0.42	

STREAM SUMMARY

PANTHER CREEK POST-TX (U-96)

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	
35	535	6.7	0.48	3,664	2	17	26	19	5	31	

Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	79	2.16%
Scour Pools	2,278	62.17%
Glides	0	0.00%
Riffles	564	15.39%
Rapids	328	8.94%
Cascades	0	0.00%
Step/Falls	416	11.34%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 4-UMP SITE ID: 96 PANTHER CREEK POST-TX (U-96)

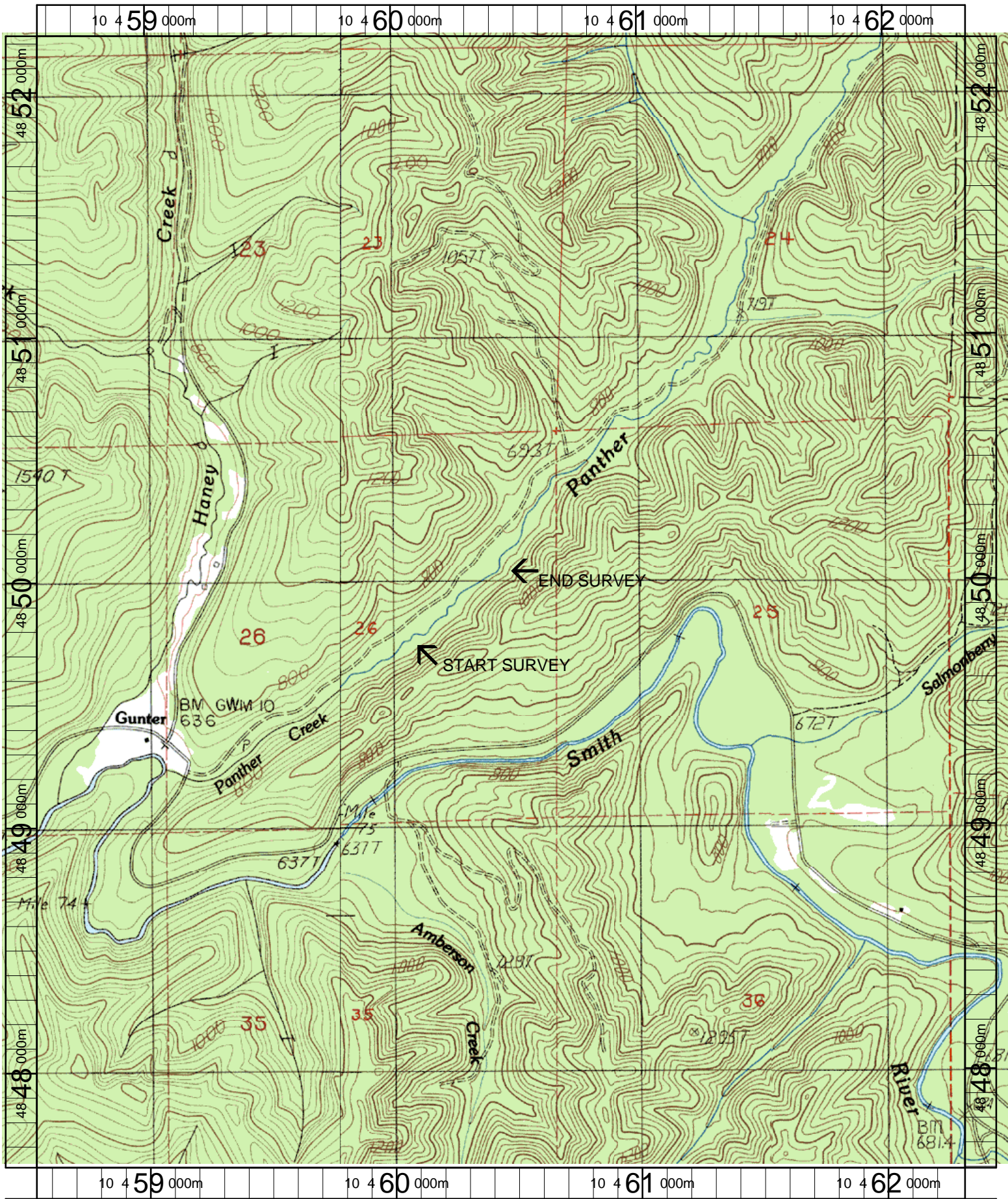
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	LP	00	9.5	BV	SNRKL#1, STRUCT. #1	
2	LP	00	24.5		T=6C	
3	LP	00	38.5	BV	STHD	
4	RI	00	50.9	BV	STHD	
5	LP	00	69.6	BV, HS		
7	LP	00	98.6	BV		
8	RI	00	122.6	HS, BV	ORANGE/BLACK FLAGS	
10	LP	00	160.1		REDD	
11	RB	00	177.6		.6M DEEP POCKET	
12	LP	00	191.1	HS		
13	SR	00	196.7	HS		
15	SC	00	221.8	BV		
16	LP	00	252.6	HS, BV	REDD, ORANGE/WHITE F	
17	SR	00	257.6	HS		
22	LP	00	320.3		ORANGE FLAG-"STRUCT	
23	SC	01	328.3	HS		
24	BW	10	328.3	HS, SS/		
25	LP	00	352.3	HS		
27	LP	00	384	HS		
28	RI	00	410.2	HS		
29	LP	00	428.7		REDD	

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 4-UMP SITE ID: 96 PANTHER CREEK POST-TX (U-96)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
30	RB	01	450.4		REDD	
32	LP	00	470.8	HS	"PHOTO POINT #2"	
33	SC	00	478.2		ORANGE FLAG	
34	LP	00	511.4	HS	"SITE 9"-ORANGE+PINK F	
35	SC	00	518.7	HS	T=6.5C	



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

Location: 10 460433 E 4849917 N
 Caption: PANTHER CREEK RESTORATION SITE - SMITH BASIN