

REACH

T12S-R02E-S06NE

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	3.6	VWI Range:	1.7 - 4.9

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	522	4,599	0
Secondary	4	15	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	8.3	Width	10.4	16.3	18.9
Depth	0.44	Height	0.6	1.2	1.6
		W:D ratio	17.2	Entrenchment	1.6

Stream Flow Type:	MF	Water temp (C):	4.5 - 4.5
Avg. Unit Gradient:	3.0%	Habitat Units/100m:	5.4

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	M30	G

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):	34	6.5
Volume (m <sup>3</sup> ):	23	4.4
Key pieces (>=10m x 0.60m):	2	0.4

OREGON DEPARTMENT OF FISH AND WILDLIFE BALD PETER CREEK UPPER PRE-TX (W-197)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/11/03

REACH		T12S-R02E-S06NE						REACH					
HABITAT DETAIL													
Habitat Type	Number	Total	Avg	Avg	Total	Large	Substrate						
							Units	Length	Width	Depth	Area	Boulders	Percent Wetted Area
		(m)	(m)	(m)	(m <sup>2</sup> )	(>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
POOL-BACKWATER	1	4	4.0	0.40	15	0	5	20	30	20	25	0	
POOL-LATERAL SCOUR	6	85	7.7	0.68	656	0	3	13	35	28	19	3	
POOL-PLUNGE	3	21	6.2	0.77	123	0	3	8	23	27	32	6	
RAPID/BOULDERS	11	269	9.7	0.29	2,620	0	2	8	28	28	33	2	
RIFFLE	7	148	8.1	0.31	1,199	0	1	7	31	30	30	1	
<b>Total:</b>	<b>28</b>	<b>526</b>	<b>8.3</b>	<b>0.44</b>	<b>4,613</b>	<b>0</b>	<b>Avg 2</b>	<b>9</b>	<b>30</b>	<b>28</b>	<b>29</b>	<b>2</b>	

HABITAT SUMMARY									
Habitat Group	Number	Total	Avg	Avg	Wetted Area		Large Boulders		
					Units	Length	Width	Depth	(m <sup>2</sup> )
		(m)	(m)	(m)					
Dammed & BW Pools	1	4	4.0	0.40	15	0.32%	0	0.0	
Scour Pools	9	105	7.2	0.71	780	16.90%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	7	148	8.1	0.31	1,199	25.99%	0	0.0	
Rapids	11	269	9.7	0.29	2,620	56.79%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	0	0			0	0.00%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	Total	# / Km
All Pools:	10	19.2
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	2	3.8
Pool frequency (channel widths/pool):	5.1	
Residual pool depth (avg):	0.49	

**STREAM SUMMARY**

**BALD PETER CREEK UPPER PRE-TX (W-197)**

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Large Boulders (#>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
28	526	8.3	0.44	4,613	2	9	30	28	29	2	

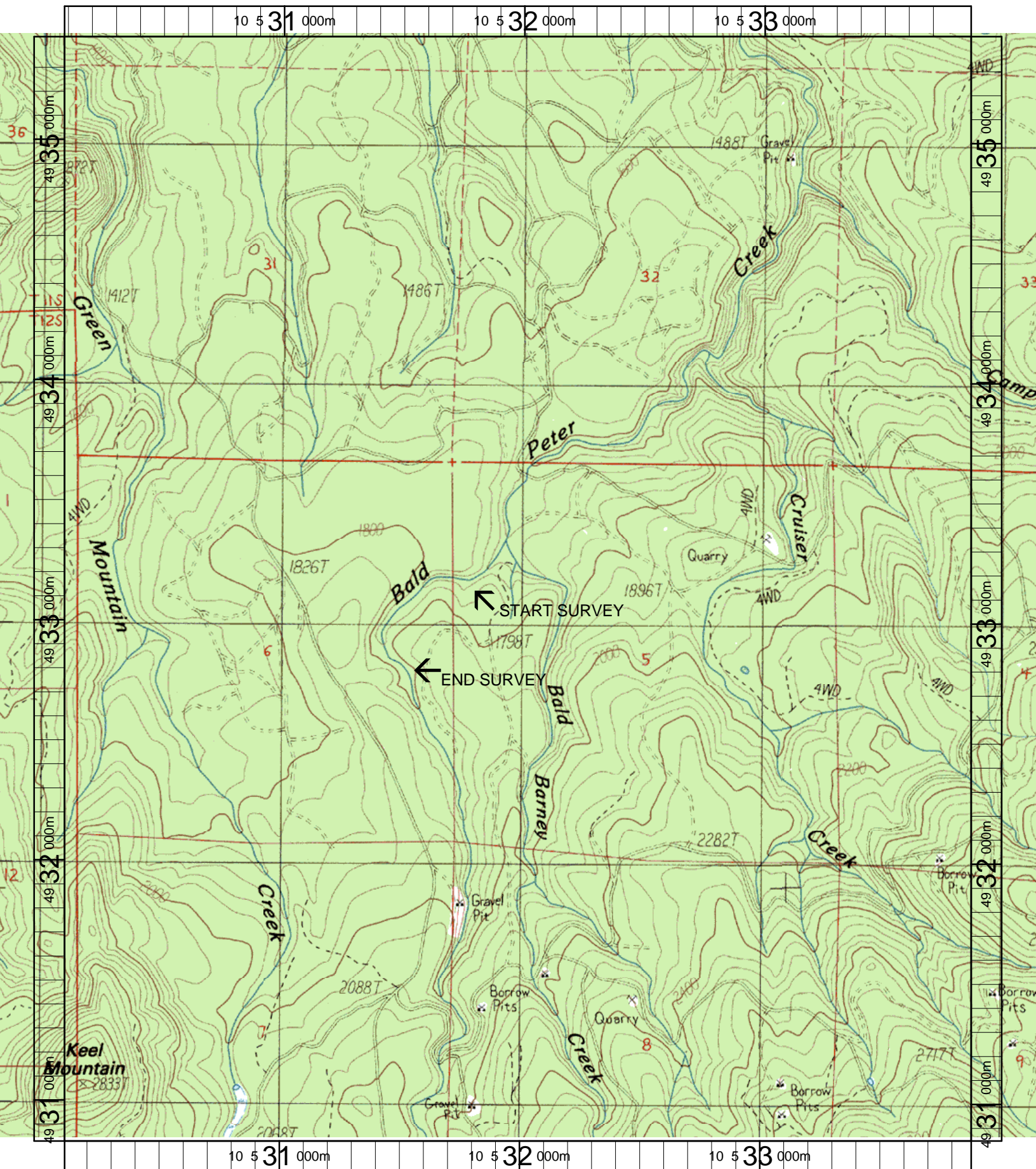
Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Dammed & BW Pools	15	0.32%
Scour Pools	780	16.90%
Glides	0	0.00%
Riffles	1,199	25.99%
Rapids	2,620	56.79%
Cascades	0	0.00%
Step/Falls	0	0.00%
Dry	0	0.00%
Culverts	0	0.00%

# Comment Summary

## Restoration Monitoring Sites 2003

**MONITORING AREA: 8-W    SITE ID: 197    BALD PETER CREEK UPPER PRE-TX (W-197)**

<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	RB	00	25		T=4C/1100	
2	RB	00	50		.75M DEEP POCKET	
3	RB	00	85.1		.95M DEEP POCKET	
6	RB	00	146.8		.7M DEEP POCKET	
9	LP	00	200.4	SS/		
10	RB	00	224.7		CABLES IN CR	
14	RB	00	304.1		SM SILTY POOL W/IN AC	
15	RI	00	318.9	SS/		
17	PP	00	345.2		4M PTC	
19	LP	00	377.7	/WL	GAME TRAIL	
20	RI	00	402.7		/.7M DEEP POCKET	
22	PP	00	420.6		/CLEARCUT-70M UP HS	
23	RB	00	445.6		.7+.6M DEEP POCKETS	
28	PP	00	522.1		END @ BRK, T=5C/1400	



Name: KEEL MT  
 Date: 6/11/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 531977 E 4933141 N  
 Caption: BALD PETER CREEK UPPER RESTORATION SITE -  
 SOUTH SANTIAM BASIN