

REACH

T11S-R02E-S32SE

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	2.4	VWI Range:	1.1 - 4.1

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	520	3,487	0
Secondary	55	85	2

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.1	Width	10.5	13.2	15.1
Depth	0.51	Height	0.7	1.3	2.0
		W:D ratio	17.4	Entrenchment	1.3

Stream Flow Type: MF Water temp (C): 5.5 - 5.5
 Avg. Unit Gradient: 3.6% Habitat Units/100m: 6.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	M15	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):	79	15.2
Volume (m ³):	91	17.4
Key pieces (>=10m x 0.60m):	4	0.8

OREGON DEPARTMENT OF FISH AND WILDLIFE BALD PETER CREEK LOWER PRE-TX (W-196)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/10/03

REACH		T11S-R02E-S32SE						REACH					
HABITAT DETAIL													
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	
CASCADE/BEDROCK	2	27	6.0	0.45	162	0	0	5	3	5	23	65	
CASCADE/BOULDERS	5	66	6.1	0.38	439	0	0	1	18	22	34	25	
POOL-LATERAL SCOUR	7	106	6.5	0.80	689	0	0	6	15	33	16	31	
POOL-PLUNGE	3	21	6.5	1.05	138	0	0	4	7	17	38	34	
POOL-STRAIGHT SCOUR	1	25	5.5	0.90	138	0	0	5	10	15	30	40	
PUDDLED UNIT	2	47	1.1	0.15	49	0	0	25	23	25	8	20	
RAPID/BOULDERS	7	146	6.8	0.36	999	0	1	2	14	30	28	26	
RIFFLE	5	122	7.3	0.35	883	0	1	4	18	34	34	9	
STEP/BEDROCK	1	2	3.3	0.30	7	0	0	0	0	5	0	95	
STEP/BOULDERS	2	13	5.5	0.35	68	0	0	0	3	10	70	18	
Total:	35	575	6.1	0.51	3,571	0	Avg	0	4	13	25	28	29

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	0	0			0	0.00%	0	0.0
Scour Pools	11	152	6.4	0.88	965	27.02%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	5	122	7.3	0.35	883	24.73%	0	0.0
Rapids	7	146	6.8	0.36	999	27.98%	0	0.0
Cascades	7	93	6.1	0.40	600	16.81%	0	0.0
Step/Falls	3	15	4.8	0.33	74	2.07%	0	0.0
Dry	2	47	1.1	0.15	49	1.38%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	11	21.2
Pools >=1m deep:	2	3.8
Complex pools (LWD pieces>=3):	3	5.8
Pool frequency (channel widths/pool):	5.0	
Residual pool depth (avg):	0.58	

STREAM SUMMARY

BALD PETER CREEK LOWER PRE-TX (W-196)

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	575	6.1	0.51	3,571	0	4	13	25	28	29	

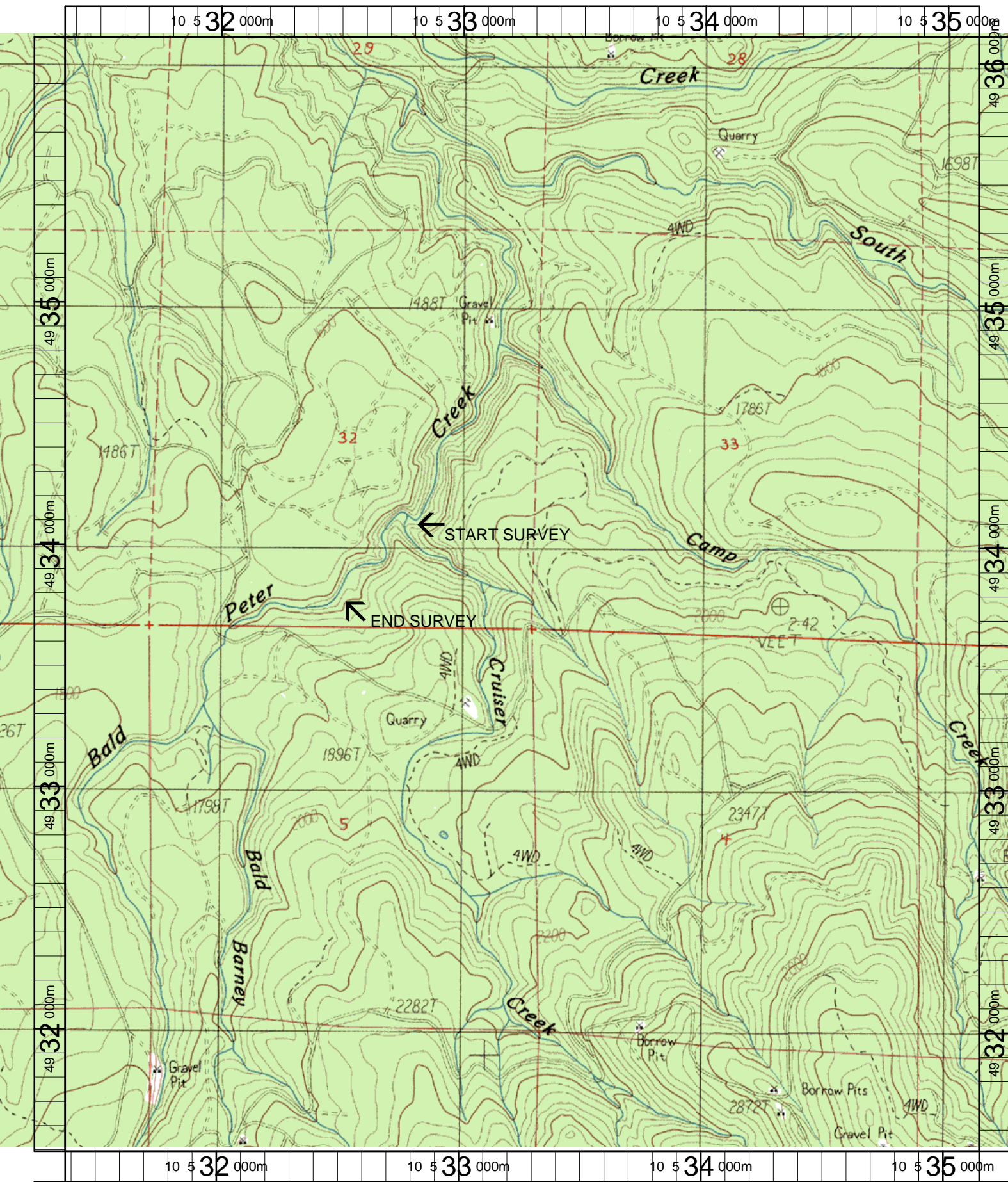
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	0	0.00%
Scour Pools	965	27.02%
Glides	0	0.00%
Riffles	883	24.73%
Rapids	999	27.98%
Cascades	600	16.81%
Step/Falls	74	2.07%
Dry	49	1.38%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 8-W SITE ID: 196 BALD PETER CREEK LOWER PRE-TX (W-196)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RB	01	10	TJ/	T=5.5C/1130	
4	PD	02	34	/SS	SEEP FED, DEPTH=MAX	
5	PD	02	34	/SS	SEEP FED, DEPTH=MAX	
7	CB	00	73.2		T=5.5C/1220	
10	CR	00	107.9	/SS	.8M DEEP POCKET/	
17	RB	00	227.6	SS/		
31	RI	00	421.5		.9M POCKET RT	
34	LP	00	494.5		T=5.5C/1500	
35	RI	00	519.5		EOS, /SIGN ON ALDER DB	



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

Location: 10 533246 E 4933807 N
 Caption: BALD PETER CREEK LOWER RESTORATION SITE -
 SOUTH SANTIAM BASIN