

REACH 1

T38S-R14W-S14NE

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	3.1	VWI Range:	1.5 - 5

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	529	1,844	0
Secondary	140	526	5

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.3	Width	9.3	11.9	15.8
Depth	0.30	Height	0.7	1.3	1.8
		W:D ratio	14.1	Entrenchment	1.3

Stream Flow Type: MF                      Water temp (C): 16.5 - 16.5  
 Avg. Unit Gradient: 2.9%                      Habitat Units/100m: 6.6

**Riparian, Bank, and Wood Summary**

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

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	1%	Reach avg: 86%
Undercut Banks:	4%	Range: 42 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	62	11.7
Volume (m <sup>3</sup> ):	86	16.2
Key pieces (>=10m x 0.60m):	7	1.3

OREGON DEPARTMENT OF FISH AND WILDLIFE

DEEP CREEK PRE-TX (SC-132)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/24/02

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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	
DRY CHANNEL	3	120	3.8	0.00	505	45	0	12	21	51	16	0	
POOL-LATERAL SCOUR	3	29	3.8	1.13	116	4	15	29	20	22	14	0	
POOL-PLUNGE	1	5	4.3	0.55	21	1	15	35	30	15	5	0	
POOL-STRAIGHT SCOUR	4	48	3.1	0.58	149	15	14	20	26	19	21	0	
PUDDLED UNIT	2	20	1.1	0.01	21	4	5	20	25	35	15	0	
RAPID/BOULDERS	4	70	3.1	0.18	225	27	4	7	24	38	27	0	
RIFFLE	8	190	3.5	0.17	660	38	4	14	28	38	16	0	
RIFFLE W/ POCKETS	8	182	3.6	0.25	649	63	6	17	23	35	19	0	
STEP/COBBLE	1	6	4.3	0.10	23	0	5	14	24	43	14	0	
STEP/LOG	1	0	2.5	0.05	0	0	5	25	30	35	5	0	
<b>Total:</b>	35	669	3.3	0.30	2,370	197	<b>Avg</b>	7	17	25	34	18	0

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	0	0			0	0.00%	0	0.0
Scour Pools	8	82	3.5	0.78	287	12.09%	20	7.0
Glides	0	0			0	0.00%	0	0.0
Riffles	16	372	3.5	0.21	1,309	55.23%	101	7.7
Rapids	4	70	3.1	0.18	225	9.49%	27	12.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	2	6	3.4	0.08	24	1.00%	0	0.0
Dry	5	140	2.7	0.00	526	22.19%	49	9.3
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	8	15.1
Pools >=1m deep:	1	1.9
Complex pools (LWD pieces>=3):	3	5.7
Pool frequency (channel widths/pool):	9.0	
Residual pool depth (avg):	0.68	

**RIPARIAN ZONE VEGETATION SUMMARY**

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**Summary of Riparian Zone (0-30m) 3 transects**

Total hardwoods/1000	1748
Total conifers/1000 ft	224
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	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0
15-30cm	0.0	6.3	0.3	4.3	1.3	11.7	1.7	22.3
30-50cm	0.0	3.0	0.0	1.0	1.0	1.7	1.0	5.7
50-90cm	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
>90cm	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Total/100m2	0.0	9.7	1.3	5.7	2.3	13.3	1.2	9.6

**Canopy closure and ground cover**

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	80	81	70
Shrub cover	18	13	19
Grass/forb cover	68	72	49

**Predominant landform in each zone**

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	33	50	100
High terrace	67	50	0
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	0	0
Riprap	0	0	0
Surface slope (%)	11	36	68

**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		
8	LF	1	HT	0	85	5	80	Conifer							
								Hardwood		3					
8	LF	2	HT	3	85	15	80	Conifer		1					50% OVERGROWN ROAD
								Hardwood		2	1	1			
8	LF	3	HS	80	65	10	50	Conifer		1	1				
								Hardwood							
8	RT	1	HT	4	75	20	70	Conifer							MAPLE
								Hardwood		2				1	
8	RT	2	HS	80	80	0	90	Conifer							
								Hardwood							
8	RT	3	HS	75	65	5	65	Conifer			3	1			
								Hardwood							
21	LF	1	HS	15	60	60	15	Conifer							
								Hardwood			6	2			
21	LF	2	HS	75	55	10	60	Conifer		1					
								Hardwood							
21	LF	3	HS	75	65	20	40	Conifer				1			
								Hardwood			27				
21	RT	1	HT	0	85	10	80	Conifer							
								Hardwood			2	2			
21	RT	2	HT	0	95	15	60	Conifer		2					
								Hardwood			2	1			
21	RT	3	HS	85	60	35	15	Conifer							
								Hardwood							
25	LF	1	HS	45	95	0	80	Conifer							
								Hardwood			5	2			
25	LF	2	HS	55	95	10	80	Conifer							
								Hardwood			4	1			
25	LF	3	HS	70	80	25	60	Conifer							
								Hardwood			3	4			
25	RT	1	HT	1	80	15	80	Conifer							
								Hardwood			1	3			
25	RT	2	HT	3	75	30	60	Conifer							
								Hardwood			5				
25	RT	3	HS	20	85	20	65	Conifer							
								Hardwood			5	1			

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC**      SITE ID: **132**      **DEEP CREEK PRE-TX (SC-132)**

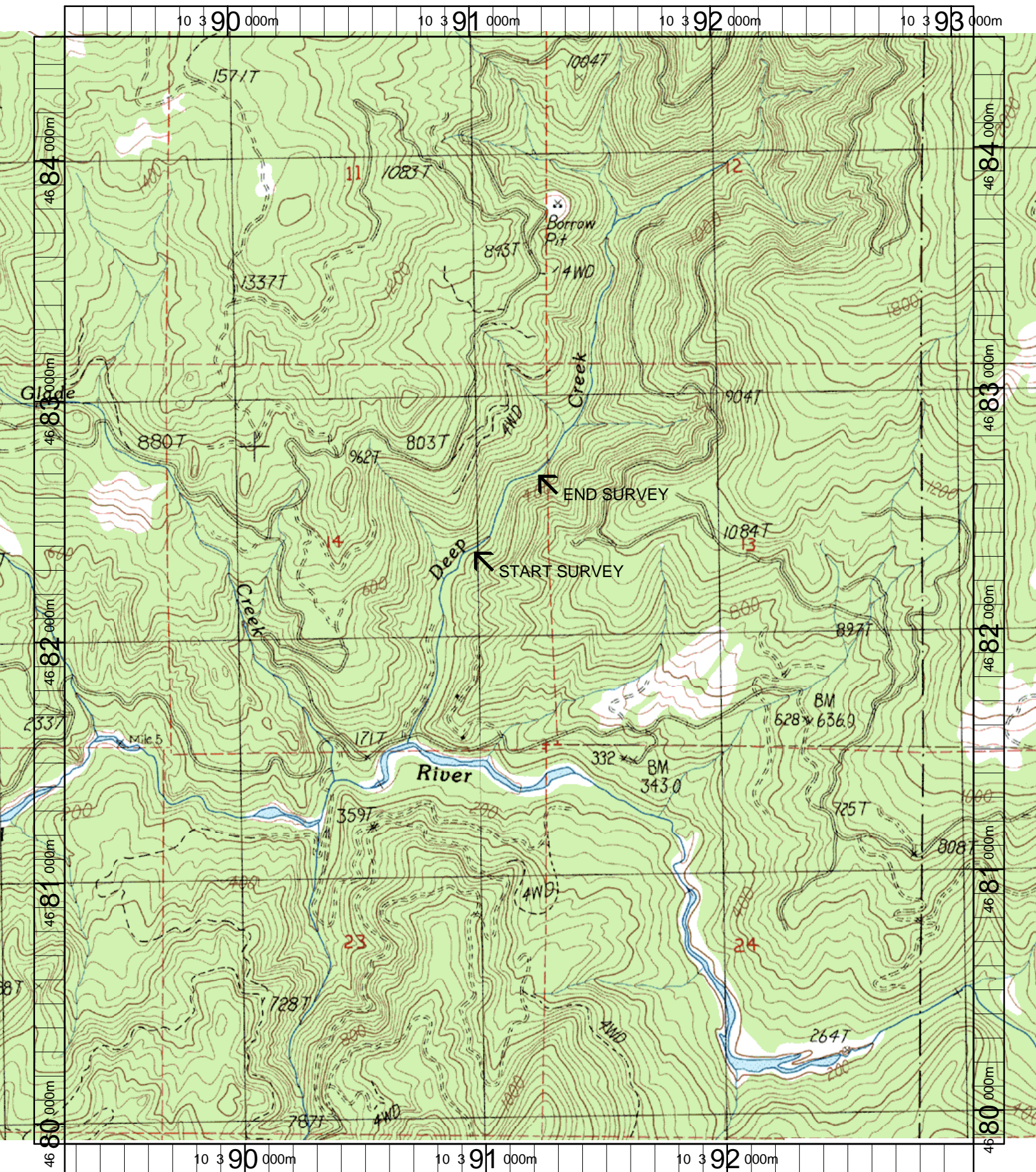
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RP	00	25	WL	START, T=16.5C	RSN, TREE FROG START
2	RI	00	50	DJ	OLD ROAD ON LEFT BAN	
3	RI	01	75	TJ/	TJ/	COHO
4	PD	11	75			TRIB UNIT
6	SP	01	103.4	WL,TJ/	TJ/	RSN, RED-LEGGED FROG, C
7	PD	11	103.4			SUB SURFACE FLOW TRIB U
9	SP	00	138.8	HS		V-SHAPED WEIR
11	LP	00	158.8	HS		V WIER W/ FENCING UNDER
12	SC	00	164.3		H=.5	
13	LP	00	176.3	HS		SAME AS ABOVE
15	PP	00	195.8	HS		SITE #5
16	SL	00	195.9		H=.3	
18	RI	01	245.9	WL		RED-LEGGED FROG
19	RB	01	270.9	DJ		
21	RI	01	295.9	WL	RIP#2	RSN
23	RI	00	320.9	WL	VERY SMALL EDDY	RSN, FISH
25	RP	00	372.9		RIP#3	
26	SP	00	382.9	SS/	SS/	
27	RI	00	407.9	WL		RSN, COHO
28	RP	00	432.9	SS/	SPAWNING SURVEY SIG	SPAWNING SIGN
29	RP	00	448.4		SS/	

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 5-SC SITE ID: 132 DEEP CREEK PRE-TX (SC-132)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
31	RP	00	480.8			CT, COHO
34	RB	01	529.4	/TJ	TJ/	
35	DC	11	529.4		HS CONST. END SURVEY	DRY TRIB UNIT



Name: SUNDOWN MT  
 Date: 3/21/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 391168 E 4682191 N  
 Caption: DEEP CREEK RESTORATION SITE - PISTOL BASIN