

REACH 1

T37S-R14W-S07NW

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	12.2	VWI Range:	4 - 20

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	652	1,480	0
Secondary	25	19	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.1	Width	6.3	11.2	12.7
Depth	0.18	Height	0.6	1.1	1.6
		W:D ratio	12.1	Entrenchment	1.8
Stream Flow Type:	LF	Water temp (C):		13.5 - 13.5	
Avg. Unit Gradient:	2.9%	Habitat Units/100m:		7.4	

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LG	EX
Riparian Vegetation:	G	M15

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	7%	Reach avg: 60%
Undercut Banks:	4%	Range: 11 - 94

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	54	8.3
Volume (m <sup>3</sup> ):	131	20.1
Key pieces (>=10m x 0.60m):	16	2.5

OREGON DEPARTMENT OF FISH AND WILDLIFE

TURNER CREEK POST-TX (S-149)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/3/02

REACH 1		T37S-R14W-S07NW					REACH 1					
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
CASCADE/BOULDERS	3	25	0.8	0.03	19	0	23	15	20	42	0	0
CULVERT CROSSING	1	14	1.3	0.05	18	2	5	10	40	40	5	0
GLIDE	1	8	2.0	0.10	16	0	20	25	30	25	0	0
POOL-LATERAL SCOUR	15	118	1.8	0.38	210	12	21	27	30	17	4	0
POOL-PLUNGE	2	7	3.3	0.40	23	10	17	19	21	24	19	0
RAPID/BOULDERS	9	137	2.8	0.07	367	67	10	18	30	32	10	0
RIFFLE	14	364	2.2	0.07	824	57	9	17	39	29	5	1
STEP/BOULDERS	1	0	2.3	0.10	1	5	0	0	19	19	62	0
STEP/COBBLE	1	5	4.2	0.05	22	0	10	25	25	35	5	0
STEP/LOG	1	0	1.7	0.05	0	0	19	14	29	38	0	0
<b>Total:</b>	<b>48</b>	<b>677</b>	<b>2.1</b>	<b>0.18</b>	<b>1,498</b>	<b>153</b>	<b>Avg 14</b>	<b>20</b>	<b>32</b>	<b>27</b>	<b>7</b>	<b>0</b>

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	17	125	2.0	0.38	233	15.55%	22	9.4
Glides	1	8	2.0	0.10	16	1.04%	0	0.0
Riffles	14	364	2.2	0.07	824	55.02%	57	6.9
Rapids	9	137	2.8	0.07	367	24.46%	67	18.3
Cascades	3	25	0.8	0.03	19	1.23%	0	0.0
Step/Falls	3	6	2.7	0.07	23	1.53%	5	21.9
Dry	0	0			0	0.00%	0	0.0
Culverts	1	14	1.3	0.05	18	1.17%	2	11.4

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	17	26.1
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	1	1.5
Pool frequency (channel widths/pool):	6.3	
Residual pool depth (avg):	0.32	

**RIPARIAN ZONE VEGETATION SUMMARY**

**REACH 1** **REACH 1**

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

Total hardwoods/1000	264
Total conifers/1000 ft	264
Total conifers >20" dbh/1000 ft	20
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	1.3	0.3	1.3	1.3	0.0	1.7	2.7
15-30cm	0.0	0.3	0.7	0.3	1.0	0.0	1.7	0.7
30-50cm	0.0	1.0	0.0	0.0	0.7	0.0	0.7	1.0
50-90cm	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.0	2.7	1.3	1.7	3.0	0.0	1.4	1.4

**Canopy closure and ground cover**

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	40		43		38	
Shrub cover	17		2		22	
Grass/forb cover	63		83		58	

**Predominant landform in each zone**

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	33		33		50	
High terrace	50		50		33	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	17		17		17	
Riprap	0		0		0	
Surface slope (%)	19		13		18	

**RIPARIAN ZONE VEGETATION**

Reach 1

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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		
7	LF	1	RB	0	0	5	60	Conifer							
								Hardwood							
7	LF	2	HS	40	65	0	70	Conifer	1	1					
								Hardwood	2						
7	LF	3	HS	40	95	0	55	Conifer		2	2				
								Hardwood							
7	RT	1	HT	0	10	75	25	Conifer							ELDERBERRY
								Hardwood		1					
7	RT	2	HT	0	25	0	100	Conifer							PASTURE
								Hardwood							
7	RT	3	HT	0	0	0	100	Conifer							PASTURE
								Hardwood							
13	LF	1	HS	36	65	10	90	Conifer							
								Hardwood	2		2				
13	LF	2	RB	0	10	0	60	Conifer							2 FENCES, EXCLOSURE
								Hardwood							
13	LF	3	HS	60	50	70	10	Conifer	4						
								Hardwood							
13	RT	1	HT	20	15	0	100	Conifer							PASTURE
								Hardwood							
13	RT	2	HT	0	0	0	100	Conifer							
								Hardwood							
13	RT	3	HT	0	0	0	100	Conifer							
								Hardwood							
22	LF	1	HT	20	75	10	90	Conifer							
								Hardwood							
22	LF	2	HT	5	65	5	80	Conifer							
								Hardwood		1					
22	LF	3	RB	0	10	0	45	Conifer							
								Hardwood							
22	RT	1	HS	35	75	0	10	Conifer							
								Hardwood	2		1				
22	RT	2	HS	30	90	5	90	Conifer		1		1			
								Hardwood	2						
22	RT	3	HS	5	75	60	40	Conifer			1				
								Hardwood							

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC**      SITE ID: **149**      **TURNER CREEK POST-TX (S-149)**

<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	8.4		T = 13.5 @ 9:30, START A	START @ CONFL W/ HUNTE
2	RI	00	39.9			OLD COW PIES IN/NEAR STR
3	LP	00	48.4			WATER QUALITY TESTING D
4	RI	00	66.8	WL		FROG
5	LP	00	80.4		FROG	
7	RI	00	162.4	BC, FC,CS/	FC, BC	RANCH ROAD, BARBED WIR
8	LP	00	169.8		CAR IN CREEK - BANK ST	
9	RI	00	182.5	FC		ELECTRIC FENCE
10	LP	00	188.7			OLD CAR ENGINES IN STRE
11	RI	00	209.8			PVC & METAL PIPING IN STR
13	RI	00	254.1	WL	SOME POCKET POOLS	NEWT, SMALL POCKET POO
15	RI	00	279.1	HS		LARGE LOGS IN STREAM
16	RB	00	289.3		PASTURE ON RIGHT	
17	GL	00	297.1		ROADBED ON LEFT	
18	RI	00	318.6	CS/CS		LARGE BOULDERS
19	CC	00	332.1	CC	2.5x3.5, ROCKY BOTTOM,	GARVEL, COBBLE, ETC IN C
20	LP	00	341.7		FC	
22	LP	00	364.1	AI, HS		LARGE LOG OVER STREAM
23	RI	01	395.6	/TJ, HS	/TJ	LOG OVER STREAM
24	CB	11	395.6		TRIB UNIT	
26	RB	00	418.1	/SS		

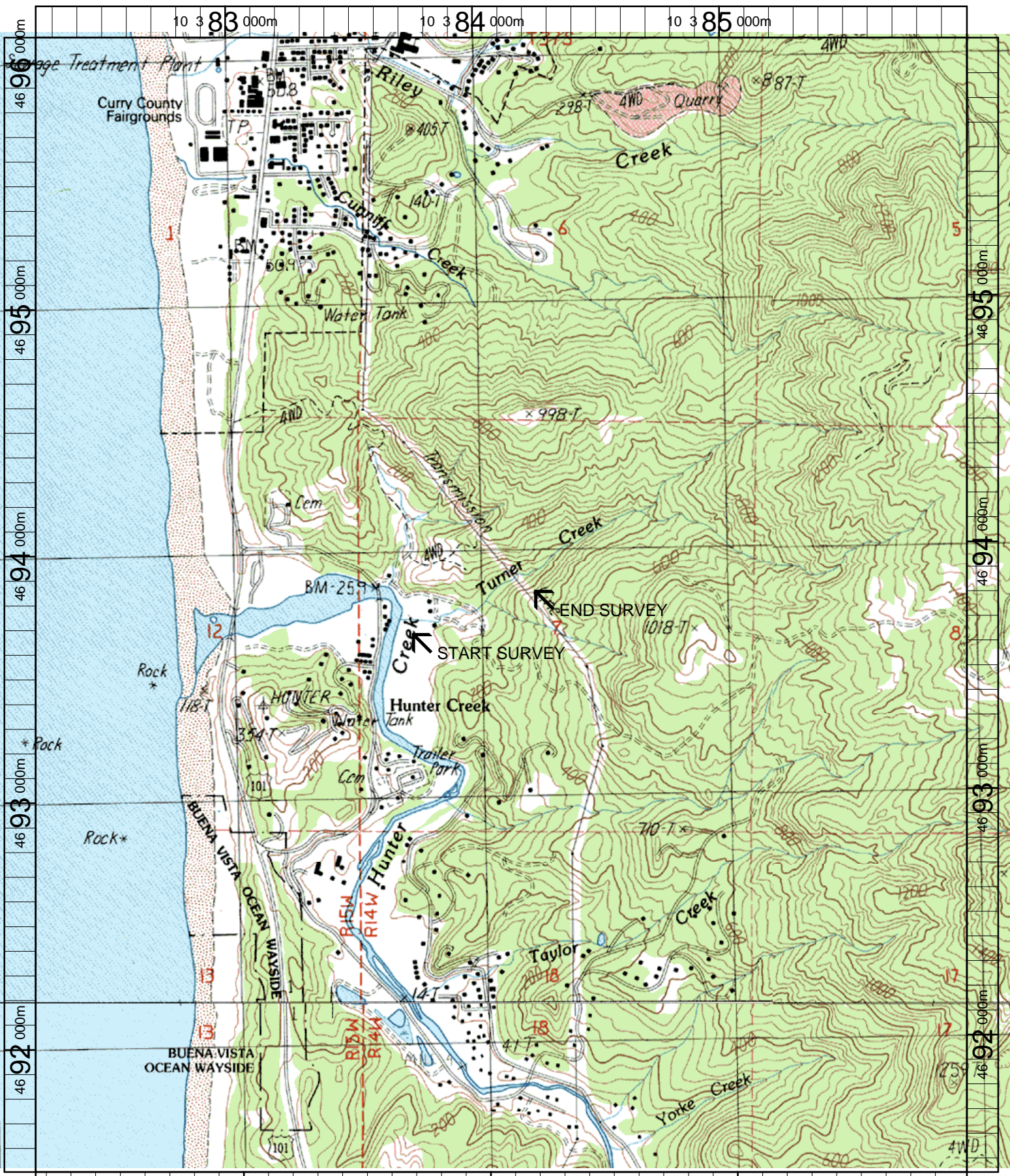
# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC**      SITE ID: **149**      **TURNER CREEK POST-TX (S-149)**

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
29	RB	00	447.2	HS		6 LARGE LOGS IN/OVER STR
30	RB	01	461.6	/TJ		
31	CB	11	461.6		TRIB UNIT	
32	LP	00	470.6	WL, /SS	/SS	NEWT
35	LP	00	499.6	HS	HABITAT LOG	LARGE LOG
36	RI	00	526.7	DJ, HS		LARGE LOGS
37	SL	00	526.9		H = .4	
40	RB	00	591	HS	HABITAT LOGS	3 LARGE LOGS
43	SB	00	610.4		H = .3	
45	RB	00	626.3		POWER LINES OVERHEA	
47	RB	01	652.3	FC, /TJ,SS	/TJ	BARBED WIRE AT TOP OF U
48	CB	11	652.3		END AT FENCELINE	POWERLINES DIRECTLY OV





Name: GOLD BEACH  
 Date: 3/21/2003  
 Scale: 1 inch equals 1666 feet

Location: 10 384076 E 4693777 N  
 Caption: TURNER CREEK RESTORATION SITE - HUNTER BASIN