

REACH 1

T36S-R14W-S20NW

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	27.4	VWI Range:	7 - 40

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	100%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	526	901	6
Secondary	26	37	3

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	1.7	Width	3.3	7.1	8.3
Depth	0.19	Height	0.6	1.1	1.8
		W:D ratio	6.2	Entrenchment	1.9
Stream Flow Type:	LF	Water temp (C):	-		
Avg. Unit Gradient:	1.1%	Habitat Units/100m:	7.0		

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LG	EX
Riparian Vegetation:	S	D3

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	7%	Reach avg: 66%
Undercut Banks:	4%	Range: 11 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	31	5.9
Volume (m ³):	11	2.0
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

RANCH CREEK POST-TX (S165)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

6/27/02

REACH 1		T36S-R14W-S20NW					REACH 1						
Habitat Type	Number Units	HABITAT DETAIL					Substrate						
		Total	Avg	Avg	Total	Large	Percent Wetted Area						
		Length (m)	Width (m)	Depth (m)	Area (m ²)	Boulders (#>0.5m)	S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
CASCADE/BOULDERS	1	8	0.5	0.03	4	0	95	5	0	0	0	0	
CULVERT CROSSING	1	7	2.0	0.00	14	0	25	20	40	10	5	0	
DRY UNIT	7	110	2.8	0.00	289	15	75	10	12	2	1	0	
POOL-LATERAL SCOUR	10	185	1.4	0.29	260	0	73	14	12	2	0	0	
POOL-PLUNGE	1	10	4.1	0.80	42	5	85	10	5	0	0	0	
POOL-STRAIGHT SCOUR	5	83	1.6	0.54	150	0	82	9	9	0	0	0	
PUDDLED UNIT	2	43	1.3	0.05	56	0	60	13	25	3	0	0	
RIFFLE	10	106	1.2	0.05	123	1	58	14	26	3	0	0	
Total:	37	552	1.7	0.19	937	21	Avg 69	12	16	2	0	0	

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	16	279	1.6	0.40	452	48.18%	5	1.1
Glides	0	0			0	0.00%	0	0.0
Riffles	10	106	1.2	0.05	123	13.09%	1	0.8
Rapids	0	0			0	0.00%	0	0.0
Cascades	1	8	0.5	0.03	4	0.43%	0	0.0
Step/Falls	0	0			0	0.00%	0	0.0
Dry	9	153	2.5	0.01	345	36.79%	15	4.3
Culverts	1	7	2.0	0.00	14	1.51%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	16	30.4
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	2	3.8
Pool frequency (channel widths/pool):	10.5	
Residual pool depth (avg):	0.36	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

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

Total hardwoods/1000	244
Total conifers/1000 ft	20
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	3.3	0.0	0.0	0.0	0.7	0.0	4.0
15-30cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-50cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-90cm	0.0	0.0	0.0	0.0	0.3	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	3.3	0.0	0.0	0.3	0.7	0.1	1.3

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	7	0	5
Shrub cover	8	2	8
Grass/forb cover	91	97	91

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	0	0	17
High terrace	67	83	83
Low terrace	0	0	0
Floodplain	33	17	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	0	0
Riprap	0	0	0
Surface slope (%)	2	0	4

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		
10	LF	1	HT	0	0	5	95	Conifer						FENCE CROSSING
								Hardwood						
10	LF	2	HT	0	0	0	100	Conifer						
								Hardwood						
10	LF	3	HT	0	0	0	100	Conifer						
								Hardwood						
10	RT	1	HT	0	0	10	90	Conifer						SEEDLINGS
								Hardwood						
10	RT	2	HT	0	0	5	90	Conifer						FENCE CROSSING
								Hardwood						
10	RT	3	HS	25	30	40	50	Conifer				1		
								Hardwood	2					
19	LF	1	HT	0	15	15	80	Conifer						
								Hardwood	7					
19	LF	2	HT	0	0	0	100	Conifer						FENCE CROSSING
								Hardwood						
19	LF	3	HT	0	0	0	100	Conifer						
								Hardwood						
19	RT	1	HT	0	25	20	80	Conifer						
								Hardwood	3					
19	RT	2	HT	0	0	5	90	Conifer						FENCE CROSSING
								Hardwood						
19	RT	3	HT	0	0	5	95	Conifer						
								Hardwood						
26	LF	1	FP	5	0	0	100	Conifer						
								Hardwood						
26	LF	2	FP	0	0	0	100	Conifer						
								Hardwood						
26	LF	3	HT	0	0	0	100	Conifer						FENCE CROSSING
								Hardwood						
26	RT	1	FP	5	0	0	100	Conifer						
								Hardwood						
26	RT	2	HT	0	0	0	100	Conifer						FENCE CROSSING
								Hardwood						
26	RT	3	HT	0	0	0	100	Conifer						
								Hardwood						

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC** SITE ID: **165** RANCH CREEK POST-TX (S165)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
3	RI	00	29.7			SUBUNIT POOL
5	RI	01	53.7	/TJ	/TJ	
6	CB	11	53.7	WL		RACCOON TRACKS
7	LP	00	73.8	WL, /SS		NEWT
8	LP	00	100		SALMONBERRY WALL	
9	RI	00	111.3			SMALL POOLS IN UNIT
10	LP	00	160.1			RECENTLY PLANTED CONIF.
11	RI	01	168.4	/TJ	/TJ	DRY TRIBUTARY
14	LP	00	195.5			SMALL RI BETWEEN POOLS
17	LP	00	239.4		/SS	
18	PD	00	262.9		SMALL DEBRIS	
19	DU	00	270.2	/CS		
20	CC	00	277.3	CC	1.2x2.0, BOTTOMLESS CU	1.2x2.0 M. CORRUGATED M
21	PP	00	287.5	WL, /CS	STAGNANT AND ISOLATE	NEWTS, STAGNANT WATER
22	DU	00	294.7			FOUR-LEAF CLOVER PATCH
23	SP	00	298.9		LOTS OF ALGAE	
26	DU	00	395.4		NO RIPARIAN VEGETATI	GRASS IN CHANNEL, GRAZI
27	SP	00	423.4	WL		NEWT, RUNNING WATER
31	RI	00	456.2	WL		ABUNDANT NEWTS
32	SP	00	488.9			GREEN ALGAE IN POOLS
33	RI	01	500.5	/TJ	/TJ, POISON OAK	

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 5-SC SITE ID: 165 RANCH CREEK POST-TX (S165)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
34	DU	11	500.5		UNDERGROUND FLOW	DRY - UNDERGROUND FLO
35	LP	00	504.8	DJ		
36	RI	01	526	/TJ		



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

Location: 10 384991 E 4700349 N
 Caption: RANCH CREEK RESTORATION SITE - ROGUE BASIN