

REACH 1

T31S-R15W-S22SW

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	3.8	VWI Range:	3 - 7

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	664	936	4
Secondary	15	14	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	1.5	Width	3.7	7.8	11.5
Depth	0.19	Height	0.4	0.8	2.0
		W:D ratio	9.0	Entrenchment	2.0
Stream Flow Type:	LF	Water temp (C):		14.0 - 14.0	
Avg. Unit Gradient:	2.9%	Habitat Units/100m:		9.6	

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	M15	P

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 93%
Undercut Banks:	18%	Range: 72 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	54	8.1
Volume (m ³):	29	4.4
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

SWANSON CREEK PRE-TX (SC-148)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/9/02

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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
CULVERT CROSSING	2	12	1.0	0.23	12	0	8	38	50	5	0	0
DRY UNIT	2	18	1.0	0.00	15	0	0	20	43	38	0	0
GLIDE	1	6	1.2	0.10	7	0	0	40	35	25	0	0
POOL-BACKWATER	1	4	1.7	0.30	7	0	0	85	15	0	0	0
POOL-DAMMED	1	6	2.0	0.35	11	0	0	60	20	20	0	0
POOL-LATERAL SCOUR	23	186	1.9	0.37	360	0	1	40	50	9	0	0
POOL-PLUNGE	2	10	3.5	0.53	33	0	5	30	50	15	0	0
PUDDLED UNIT	2	35	0.8	0.02	25	0	3	32	42	23	0	0
RIFFLE	18	256	1.2	0.05	309	0	0	19	62	18	1	0
RIFFLE W/ POCKETS	5	129	1.1	0.04	154	0	2	15	54	29	0	0
STEP/BEDROCK	1	2	0.5	0.04	1	0	0	0	30	0	0	70
STEP/COBBLE	4	13	1.3	0.02	15	0	0	15	81	4	0	0
STEP/LOG	1	3	0.7	0.02	2	0	0	15	85	0	0	0
STEP/STRUCTURE	1	1	0.5	0.01	0	0	10	30	60	0	0	0
Total:	64	679	1.5	0.19	950	0	Avg 1	29	54	14	0	1

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	2	10	1.9	0.33	18	1.93%	0	0.0
Scour Pools	25	196	2.0	0.39	393	41.33%	0	0.0
Glides	1	6	1.2	0.10	7	0.71%	0	0.0
Riffles	23	385	1.1	0.04	462	48.67%	0	0.0
Rapids	0	0			0	0.00%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	7	18	1.0	0.02	18	1.94%	0	0.0
Dry	4	53	0.9	0.01	40	4.19%	0	0.0
Culverts	2	12	1.0	0.23	12	1.24%	0	0.0

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POOL SUMMARY

	<u>Total</u>	<u># / Km</u>
All Pools:	27	40.7
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	3	4.5
Pool frequency (channel widths/pool):	6.8	
Residual pool depth (avg):	0.34	

RIPARIAN ZONE VEGETATION SUMMARY

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

Total hardwoods/1000	2377
Total conifers/1000 ft	447
Total conifers >20" dbh/1000 ft	102
Total conifers >35" dbh/1000 ft	20

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	0.7	7.7	0.3	9.7	1.7	13.3	2.7	30.7
15-30cm	0.3	2.3	0.0	1.3	0.3	1.0	0.7	4.7
30-50cm	1.0	1.7	1.3	0.0	0.0	1.0	2.3	2.7
50-90cm	0.3	0.7	0.7	0.0	0.3	0.3	1.3	1.0
>90cm	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0
Total/100m2	2.3	12.3	2.7	11.0	2.3	15.7	2.4	13.0

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	76	75	77
Shrub cover	23	33	18
Grass/forb cover	53	40	44

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	33	33	83
High terrace	67	67	17
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	5	22

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		
19	LF	1	HT	10	40	70	30	Conifer							
								Hardwood		1					
19	LF	2	HT	0	0	50	50	Conifer							
								Hardwood							
19	LF	3	HT	0	0	5	95	Conifer							
								Hardwood							
19	RT	1	HT	0	90	10	80	Conifer	1			2			
								Hardwood	3	1					
19	RT	2	HT	0	100	5	35	Conifer	1			2			
								Hardwood	13						
19	RT	3	HS	60	100	0	40	Conifer	5						
								Hardwood	15						
34	LF	1	HT	0	65	0	80	Conifer	1	1					
								Hardwood				1	1		
34	LF	2	HS	10	95	15	55	Conifer				1	2		
								Hardwood							
34	LF	3	HS	12	100	50	10	Conifer			1		1		
								Hardwood	2			1	1		
34	RT	1	HS	33	85	30	65	Conifer				1	1		
								Hardwood				1			
34	RT	2	HS	12	80	35	60	Conifer				1		1	
								Hardwood		3					
34	RT	3	HS	7	80	5	75	Conifer							
								Hardwood	9			2			
48	LF	1	HT	0	90	15	30	Conifer							
								Hardwood	5						
48	LF	2	HT	0	95	15	30	Conifer							ALDERS
								Hardwood	14						
48	LF	3	HS	17	95	0	30	Conifer							
								Hardwood	11	1					
48	RT	1	HS	25	85	10	30	Conifer							
								Hardwood	15	5	3	1			
48	RT	2	HT	10	80	80	10	Conifer							
								Hardwood	2	1					
48	RT	3	HS	35	85	45	15	Conifer							JUNK/TIRES
								Hardwood	3	2					

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: **5-SC** SITE ID: **148** **SWANSON CREEK PRE-TX (SC-148)**

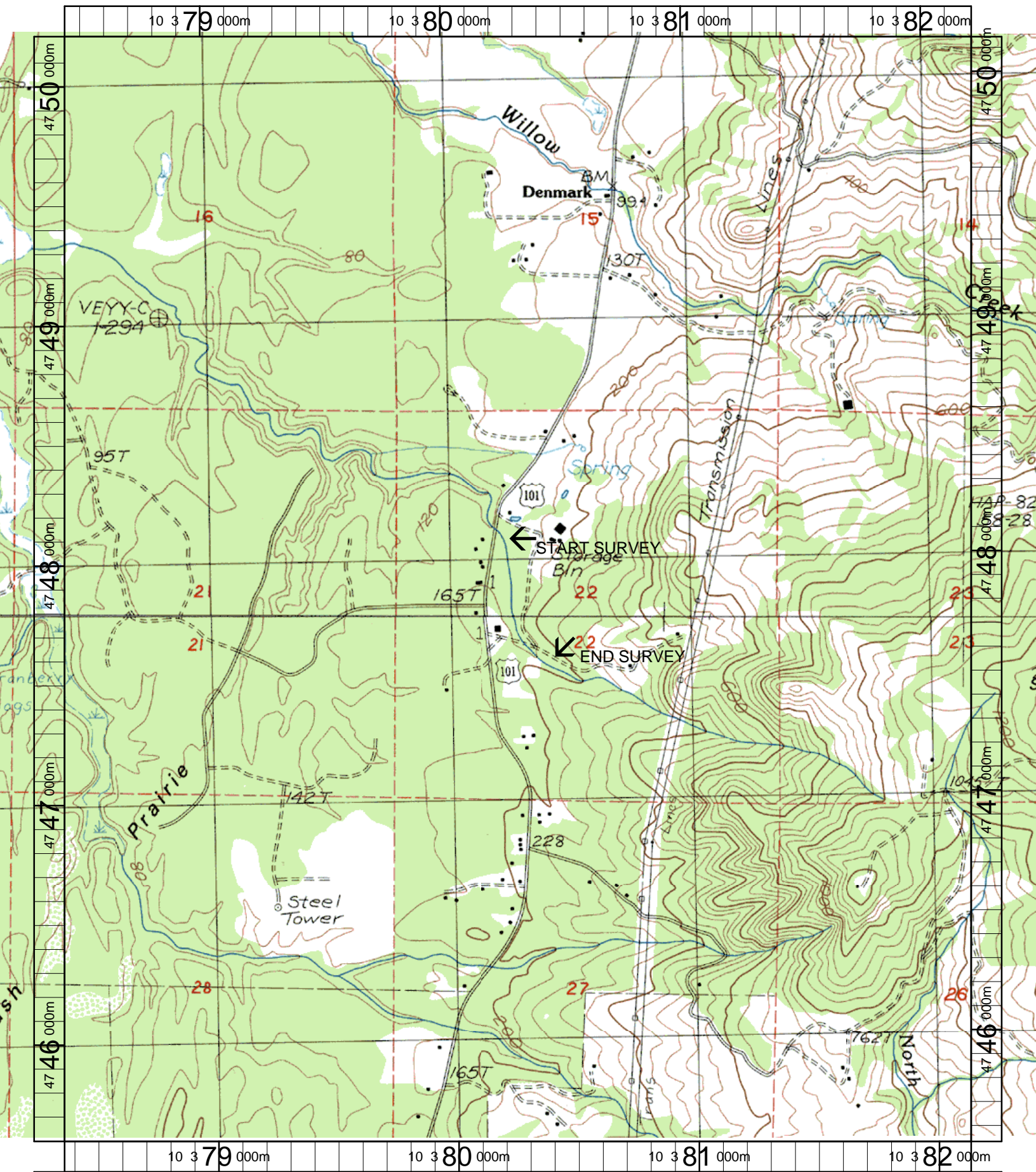
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	LP	00	5.3		START SURVEY @ HWY 1	START SURVEY
2	SC	00	7.8		JUV. COHO	
3	LP	01	30.5	TJ/	TJ	
5	RI	11	30.5	WL		TRIB UNIT, FROG
9	LP	00	70		JUV COHO	
10	SL	00	73		H=.3	
12	LP	01	90.6	/TJ	/TJ	
13	SC	11	90.6		TRIB UNIT	TRIB UNIT
19	RP	00	184.9			POCKET 1M DEEP
20	LP	00	202		RIP#1	
21	RI	00	212.1	WL		CROSSING
28	SR	00	265.3		H=.2	
29	RP	00	282.7			POOL .2M DEEP
32	RI	00	328.2			3 POOLS
33	LP	00	333.9		LOTS OF COHO	
34	RI	00	347.9		RIP#2	
46	LP	00	503.2			COHO
47	LP	00	510.9			COHO
48	RI	00	517.4		RIP#3	
53	PP	00	569.2	WL		FROG
54	SS	00	569.7		H=.5, PHOTO	

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 5-SC SITE ID: 148 SWANSON CREEK PRE-TX (SC-148)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
55	CC	00	575.2	CC		.5 DIAMETER ROUND CULV
56	RI	00	585.8	SS		
61	DU	00	635.4			PHOTO
62	LP	00	637.9		FISH	
63	CC	00	643.9			PHOTO
64	PD	00	663.9		END SURVEY	END SURVEY



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

Location: 10 380280 E 4747875 N
 Caption: SWANSON CREEK RESTORATION SITE - FLORAS BASIN