

REACH

T31S-R15W-S22NW

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	7.1	VWI Range:	3.7 - 10.2

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	709	1,371	0
Secondary	41	60	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	1.9	Width	4.4	12.4	17.1
Depth	0.27	Height	0.4	0.8	1.2
		W:D ratio	11.4	Entrenchment	2.9

Stream Flow Type: MF Water temp (C): 9.5 - 9.5
 Avg. Unit Gradient: 2.1% Habitat Units/100m: 7.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	
Riparian Vegetation:	D15	C50

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):	86	12.1
Volume (m ³):	138	19.5
Key pieces (>=10m x 0.60m):	19	2.7

OREGON DEPARTMENT OF FISH AND WILDLIFE

SWANSON CREEK POST-TX (S-148)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

3/5/03

REACH		T31S-R15W-S22NW					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/BOULDERS	1	10	1.0	0.05	10	0	0	10	60	30	0	0
POOL-LATERAL SCOUR	20	161	2.0	0.48	331	0	7	19	60	10	0	4
POOL-PLUNGE	5	31	2.7	0.55	84	0	9	20	56	14	1	0
RAPID/BOULDERS	6	120	2.1	0.11	243	0	1	7	49	39	3	0
RIFFLE	19	424	1.9	0.10	757	0	7	10	66	14	1	1
STEP/BEDROCK	2	2	0.8	0.04	2	0	5	0	0	0	0	95
STEP/LOG	3	3	1.2	0.07	3	0	7	30	50	13	0	0
Total:	56	749	1.9	0.27	1,431	0	Avg 6	15	58	15	1	5

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	25	191	2.2	0.50	415	29.01%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	19	424	1.9	0.10	757	52.90%	0	0.0
Rapids	6	120	2.1	0.11	243	17.01%	0	0.0
Cascades	1	10	1.0	0.05	10	0.70%	0	0.0
Step/Falls	5	5	1.0	0.06	5	0.37%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	25	35.3
Pools >=1m deep:	1	1.4
Complex pools (LWD pieces>=3):	3	4.2
Pool frequency (channel widths/pool):	6.8	
Residual pool depth (avg):	0.42	

STREAM SUMMARY

SWANSON CREEK POST-TX (S-148)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate						Large Boulders (#>0.5m)
					Percent Wetted Area						
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
56	749	1.9	0.27	1,431	6	15	58	15	1	5	

Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	0	0.00%
Scour Pools	415	29.01%
Glides	0	0.00%
Riffles	757	52.90%
Rapids	243	17.01%
Cascades	10	0.70%
Step/Falls	5	0.37%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

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

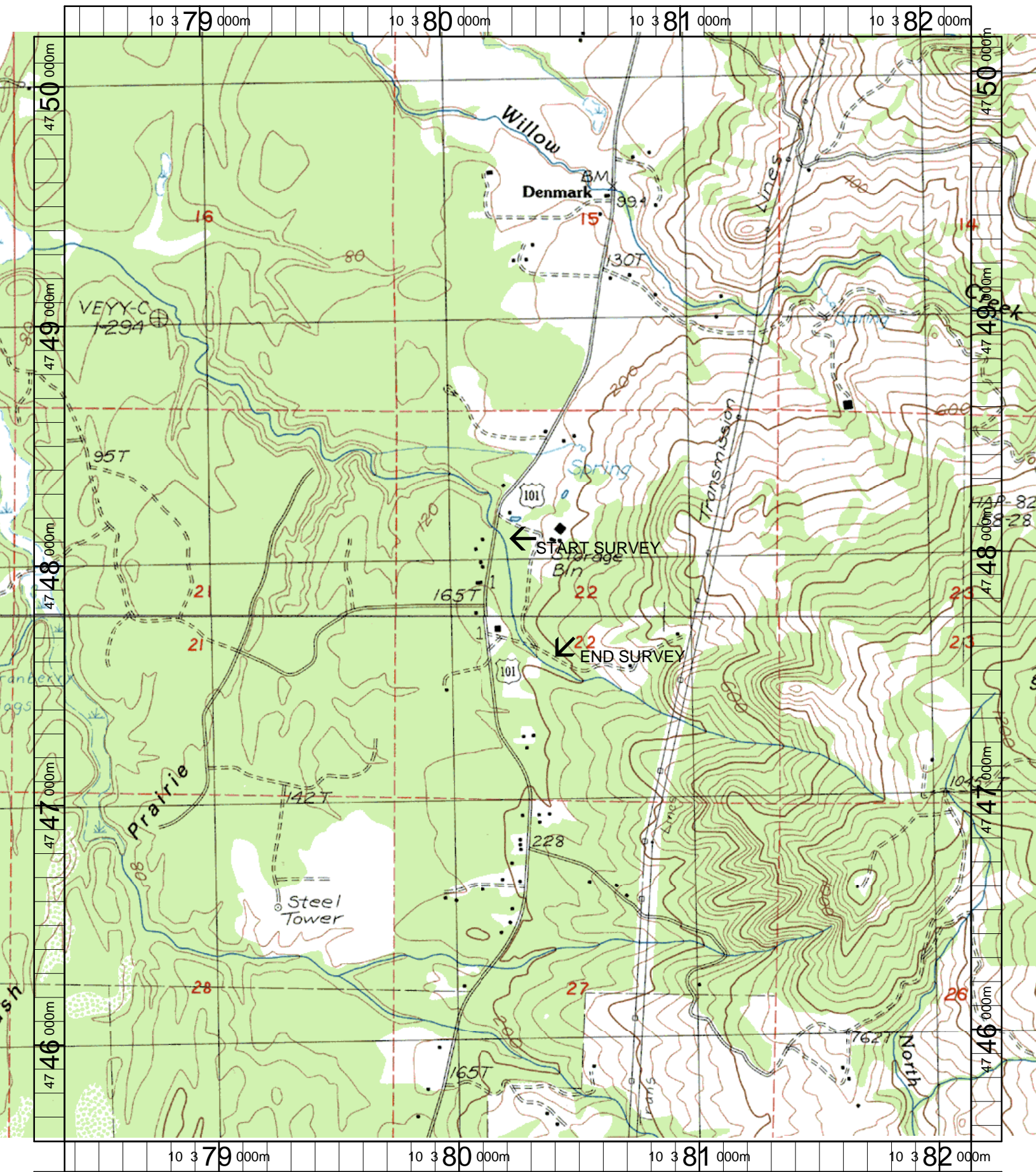
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RB	00	25	HS	T=10C/1326, RIPRAP	
2	RI	01	39	TJ/, FC	FENCE WIRE	
3	CB	11	39		TRIB UNIT	
6	RI	01	78.1	TJ/	.5M POCKET	
7	RI	11	78.1		TRIB UNIT	
9	LP	00	93.6		HARDPAN	
11	SL	00	101.1		H=0.3M	
12	RI	00	122.6		HARDPAN	
13	LP	00	134.2		METRICS @ START OF U	
14	RI	01	146.5	TJ/		
15	RI	11	146.5		TRIB UNIT	
17	RI	00	182.7		HARDPAN	
19	RI	00	213.1		.4M DEEP POCKET	
21	RB	00	247.1	WL	DEER TRAIL, METRIC @	
25	RB	00	288.8		BARB WIRE ON SIDE	
30	PP	00	334.8		LONG PTC	
31	SL	00	335.8		H=0.3M	
32	RI	00	362.8	HS	LOGS, CLEARCUT/	
34	LP	00	382.4	HS	LONG PTC, LOGS	
35	RI	00	413	HS	.4M POCKETS, LOGS	
36	RI	00	455.4	HS	LOGS, .3M POCKETS	

Comment Summary

Restoration Monitoring Sites 2003

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

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
37	RI	00	468.9			HARDPAN
38	LP	00	476.4	HS		LOGS
39	RI	00	509.2			.3M POCKET
40	PP	00	516.4	HS		LOGS
41	SL	00	516.9	HS		H=0.3M, CLEARCUT/
42	RI	00	547.2	HS		.3M POCKET
44	LP	00	563.3	HS		LOGS
45	RB	00	604.7	HS		.3M POCKET, LOGS
48	RI	01	648.7	HS		LOGS
50	SR	01	653.9			H=0.8M, HARDPAN=BRK
51	RI	01	680.5			DEAD CT, .3M POCKET
53	SR	02	680.5			H=0.7M, HARDPAN
54	RI	00	688.7	BC		METAL/WOOD BC
56	RI	00	708.8			EOS SIGN ALDER/, T=9C/



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