

REACH 1

T5S-R9W-S28NE

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	8.7	VWI Range:	6 - 10

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	731	3,434	0
Secondary	158	267	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	3.9	Width	4.8	6.4	8.0
Depth	0.41	Height	0.3	0.6	0.9
		W:D ratio	14.0	Entrenchment	1.3

Stream Flow Type: MF Water temp (C): 8.5 - 8.5
 Avg. Unit Gradient: 1.4% Habitat Units/100m: 8.3

Riparian, Bank, and Wood Summary

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

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):	132	18.1
Volume (m ³):	182	24.8
Key pieces (>=10m x 0.60m):	32	4.4

OREGON DEPARTMENT OF FISH AND WILDLIFE

BAXTER CREEK POST- TX

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

3/2/00

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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
CASCADE/BOULDERS	1	4	0.7	0.03	3	0	30	10	60	0	0	0
POOL-ALCOVE	2	41	1.9	0.55	79	0	35	18	38	3	8	0
POOL-BACKWATER	2	10	1.5	0.35	15	0	25	35	40	0	0	0
POOL-LATERAL SCOUR	18	227	4.3	0.69	981	0	14	24	48	9	1	3
POOL-PLUNGE	3	17	4.6	0.72	82	0	3	16	48	33	0	0
POOL-STRAIGHT SCOUR	3	29	4.9	0.80	139	0	15	27	38	13	3	3
PUDDLED UNIT	1	38	1.6	0.10	60	0	0	19	76	5	0	0
RAPID/BOULDERS	1	9	0.6	0.03	6	0	0	90	10	0	0	0
RIFFLE	20	462	4.4	0.20	2,158	0	7	12	61	16	3	1
RIFFLE W/ POCKETS	1	34	3.1	0.25	104	0	15	10	60	15	0	0
STEP/COBBLE	5	17	4.0	0.22	68	0	0	3	61	31	5	0
STEP/LOG	4	2	2.7	0.13	7	0	3	18	64	16	0	0
Total:	61	889	3.9	0.41	3,701	0	Avg 10	18	54	14	2	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	4	51	1.7	0.45	94	2.54%	0	0.0
Scour Pools	24	273	4.4	0.71	1,202	32.47%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	21	496	4.3	0.20	2,262	61.11%	0	0.0
Rapids	1	9	0.6	0.03	6	0.15%	0	0.0
Cascades	1	4	0.7	0.03	3	0.08%	0	0.0
Step/Falls	9	19	3.4	0.18	75	2.02%	0	0.0
Dry	1	38	1.6	0.10	60	1.63%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY

	<u>Total</u>	<u># / Km</u>
All Pools:	28	38.3
Pools >=1m deep:	2	2.7
Complex pools (LWD pieces>=3):	10	13.7
Pool frequency (channel widths/pool):	6.7	
Residual pool depth (avg):	0.44	

STREAM SUMMARY

BAXTER CREEK POST- TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Large Boulders (#>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
61	889	3.9	0.41	3,701	10	18	54	14	2	1	

Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	94	2.54%
Scour Pools	1,202	32.47%
Glides	0	0.00%
Riffles	2,262	61.11%
Rapids	6	0.15%
Cascades	3	0.08%
Step/Falls	75	2.02%
Dry	60	1.63%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 1-NC SITE ID: 2 BAXTER CREEK POST- TX

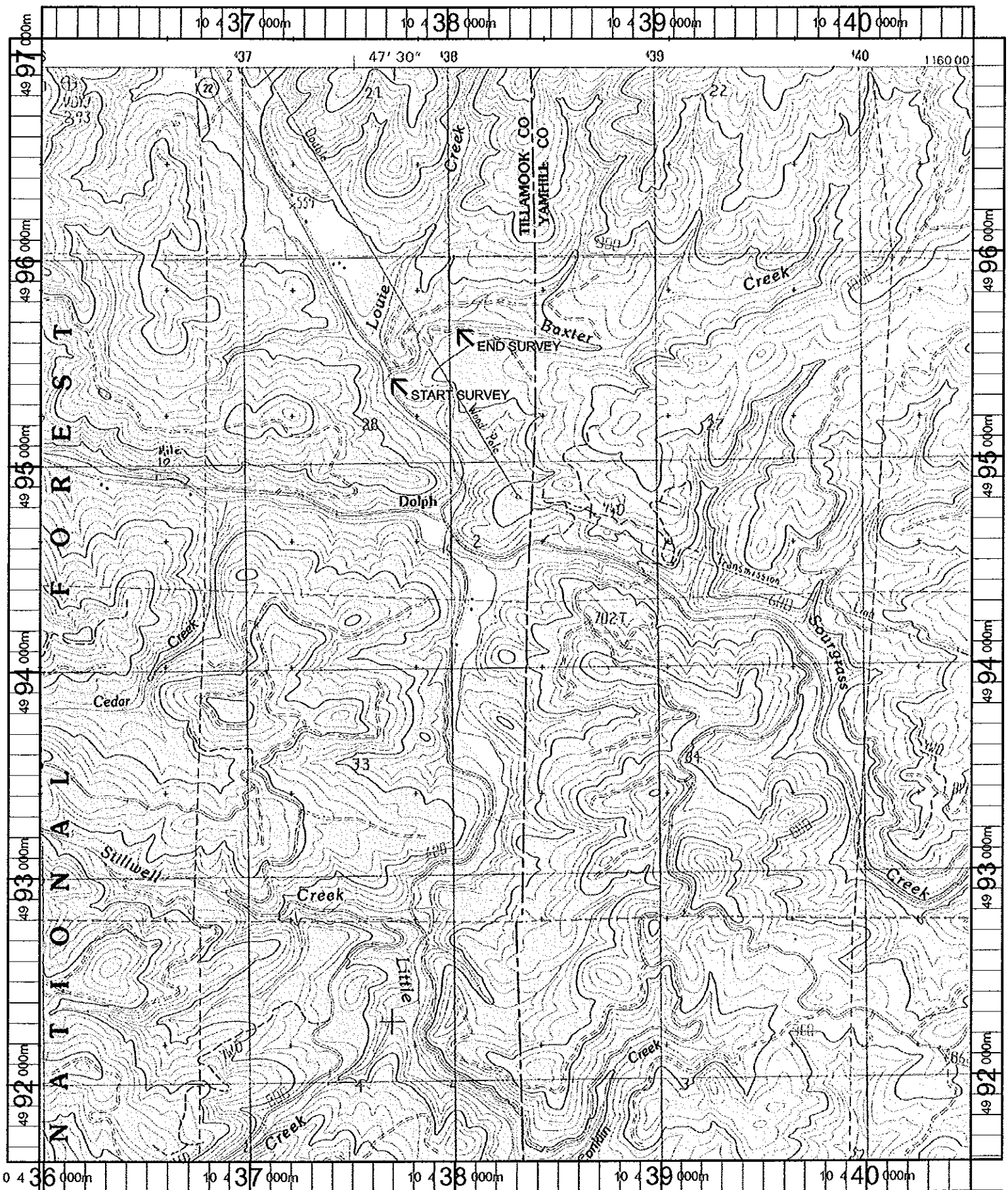
UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RI	01	28.7			VWI= 8.5
7	PD	02	91.6	HS		HI.FLOW CHAN,SITE1FLA
8	RI	00	127			PIC # 35 JOE IN PICTURE
9	LP	00	137.8	HS		SITE # 3
12	LP	00	206.2			VWI= 6
14	LP	00	230.3			AQ. INV. FLAG
20	LP	00	264.8			2 STH CARCASSES
23	SC	01	290.7			H= 0.2
25	SL	01	294.9			H= 0.3, CARCASS
29	RI	03	326.3			LEAVES 26 ENTERS INTO
30	AL	10	326.3	WL		FISH TG=2"
31	RI	00	346.9	H		SITE 5, VWI = 10+
32	LP	00	362.1	SS/		SITE 6
34	LP	00	401.5	WL		CARCASS
35	LP	00	409.4	WL		SITE 7
38	RI	00	457.1	SS/LI		
40	RI	00	502.6			VWI=10
43	CB	11	516.4	SS/		T= 8.5°
44	RI	00	560.4			T = 8.5°C @ 17:00
47	AL	10	625	SS		
48	PP	00	631	DJ		

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 1-NC SITE ID: 2 BAXTER CREEK POST- TX

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
49	SL	00	631.8		H = 0.4	
52	SL	00	675.4		H= 0.3	
53	RI	01	686.1		VWI= 9	
55	RI	11	697.6		T= 9.0°C	
56	RP	01	731.2		END SIGN ON LEFT	
58	SL	02	731.2		H= 0.5	



Name: DOLPH
 Date: 10/17/100
 Scale: 1 inch equals 2000 feet

Location: 10 438167 E 4994314 N
 Caption: BAXTER CREEK RESTORATION SITE - NESTUCCA BASIN