

REACH 1

T3S-R9W-24SW

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 5.6		VWI Range: 4 - 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	525	3,868	0
Secondary	59	96	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	5.4	Width	8.0	10.4	11.5
Depth	0.39	Height	0.5	0.9	1.4
		W:D ratio	16.9	Entrenchment	1.3

Stream Flow Type: MF Water temp (C): 8.5 - 8.5
 Avg. Unit Gradient: 1.7% Habitat Units/100m: 5.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	ST
Riparian Vegetation:	D30	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):	35	6.7
Volume (m ³):	32	6.2
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

BAYS CREEK PRE-TX

HABITAT INVENTORY

Report Date: 11/12/03

Survey Date:

2/28/00

REACH 1		T3S-R9W-24SW					REACH 1					
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	4	27	0.7	0.03	20	0	4	9	70	16	1	0
POOL-ALCOVE	1	1	1.0	0.25	1	0	0	80	20	0	0	0
POOL-BACKWATER	2	8	3.9	0.50	34	0	10	48	35	8	0	0
POOL-ISOLATED	2	13	2.1	0.20	16	0	13	48	15	3	0	23
POOL-LATERAL SCOUR	4	71	7.1	0.85	509	0	0	11	16	1	0	71
POOL-STRAIGHT SCOUR	3	51	7.2	0.93	367	0	0	19	16	5	2	59
RAPID/BEDROCK	1	22	5.4	0.20	119	0	0	0	0	0	0	100
RAPID/BOULDERS	8	268	6.8	0.29	2,019	0	1	9	27	19	6	40
RIFFLE	5	123	7.2	0.27	877	0	0	10	30	29	10	21
Total:	30	584	5.4	0.39	3,964	0	Avg 2	18	29	13	3	34

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	5	22	2.6	0.33	52	1.31%	0	0.0
Scour Pools	7	122	7.1	0.89	876	22.11%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	5	123	7.2	0.27	877	22.13%	0	0.0
Rapids	9	290	6.7	0.28	2,139	53.96%	0	0.0
Cascades	4	27	0.7	0.03	20	0.49%	0	0.0
Step/Falls	0	0			0	0.00%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY		
	Total	# / Km
All Pools:	12	22.9
Pools >=1m deep:	2	3.8
Complex pools (LWD pieces>=3):	2	3.8
Pool frequency (channel widths/pool):	6.1	
Residual pool depth (avg):	0.54	

STREAM SUMMARY

BAYS CREEK PRE-TX

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	
30	584	5.4	0.39	3,964	2	18	29	13	3	34	

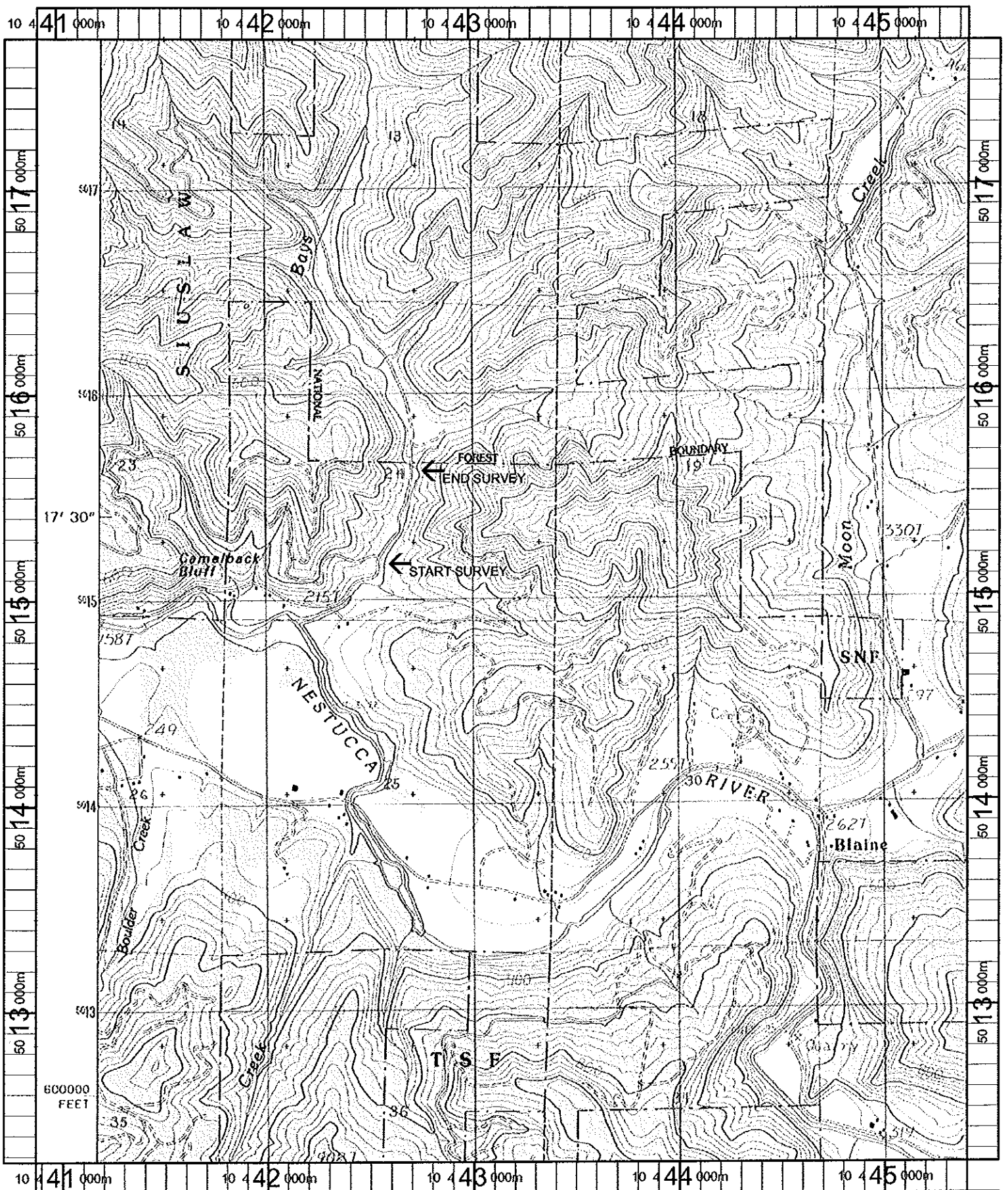
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	52	1.31%
Scour Pools	876	22.11%
Glides	0	0.00%
Riffles	877	22.13%
Rapids	2,139	53.96%
Cascades	20	0.49%
Step/Falls	0	0.00%
Dry	0	0.00%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 1-NC SITE ID: 3 BAYS CREEK PRE-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	RR	00	22.1		STRT SIGN RT, VWI=4, T=8	
4	CB	11	51.2		T= 8.5°C	
5	RB	01	92.9	SS / SS		
8	RI	00	131.6	SS/	VWI = 5	
9	RB	01	192.2	/TJ		
10	CB	11	192.2		T= 8.5°C	
13	RB	01	260.9	TJ/	VWI= 7	
14	CB	11	260.9	WL	T= 8.5°C, JUVENILE R.S.N	
16	RI	01	306.9	/SS		
19	RB	00	339		VWI= 7	
21	LP	01	379.9	/TJ		
22	CB	11	379.9		T = 9.0°C	
23	RB	00	429.9		PIC # 32	
24	RI	00	441.9		REDD ??	
25	LP	00	460.7	WL		
29	RI	01	524.8	/TJ	VWI=5, REDD?? T= 9.0°C	



Name: BLAINE
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 443055 E 5014970 N
 Caption: BAYS CREEK RESTORATION SURVEY - NESTUCCA BASIN