

REACH SUMMARY

REACH 1

T3S-R9W-S24SE

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 avg: 2.7 range: 1.5-3.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	100
Bedrock	0	Multiple Channel	0
Terrace	0	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	490	3,470	0
Secondary	57	338	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.4	Width	10.6	20.1	19.4
Depth	0.50	Height	0.7	1.4	1.3
		W:D ratio	15.1	Entrenchment	1.9

Stream Flow Type: LF Water Temp: 6.0-6.0°C
 Avg. Unit Gradient: 2.1% Habitat Units/100m: 4.6

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D30	C30

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding	0%	Reach avg: 0%
Undercut Banks	0%	Range: 0- 0

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	13	2.7
Volume (m ³)	13	2.7
Key pieces ($\geq 10m \times 0.6m$)	0	0.0

HABITAT UNIT SUMMARY

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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	Cbbl	Bldr	Bdrk
DRY CHANNEL	1	47	6.9	0.00	322	0	20	0	70	10	0	0
POOL-BACKWATER	2	10	1.6	0.40	17	0	4	58	23	10	3	3
POOL-LATERAL SCOUR	6	136	6.6	0.80	931	0	1	14	38	10	4	33
POOL-STRAIGHT SCOUR	1	18	7.6	0.70	138	0	3	12	45	10	10	20
POOL-TRENCH	1	6	1.7	1.40	10	0	0	0	0	10	20	70
RAPID/BEDROCK	4	99	6.2	0.45	597	0	0	4	11	21	25	40
RIFFLE	10	231	7.7	0.30	1,794	0	0	3	16	40	19	23
Total:	25	547	6.4	0.50	3,808	0	Avg: 2	10	24	24	14	27

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Wetted Area Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	2	10	1.6	0.40	17	0.44	0	0.0
Scour Pools	8	160	6.1	0.86	1,079	28.33	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	10	231	7.7	0.30	1,794	47.11	0	0.0
Rapids	4	99	6.2	0.45	597	15.68	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	0	0	-	-	0	0.00	0	0.0
Dry	1	47	6.9	0.00	322	8.44	0	0.0

POOL SUMMARY

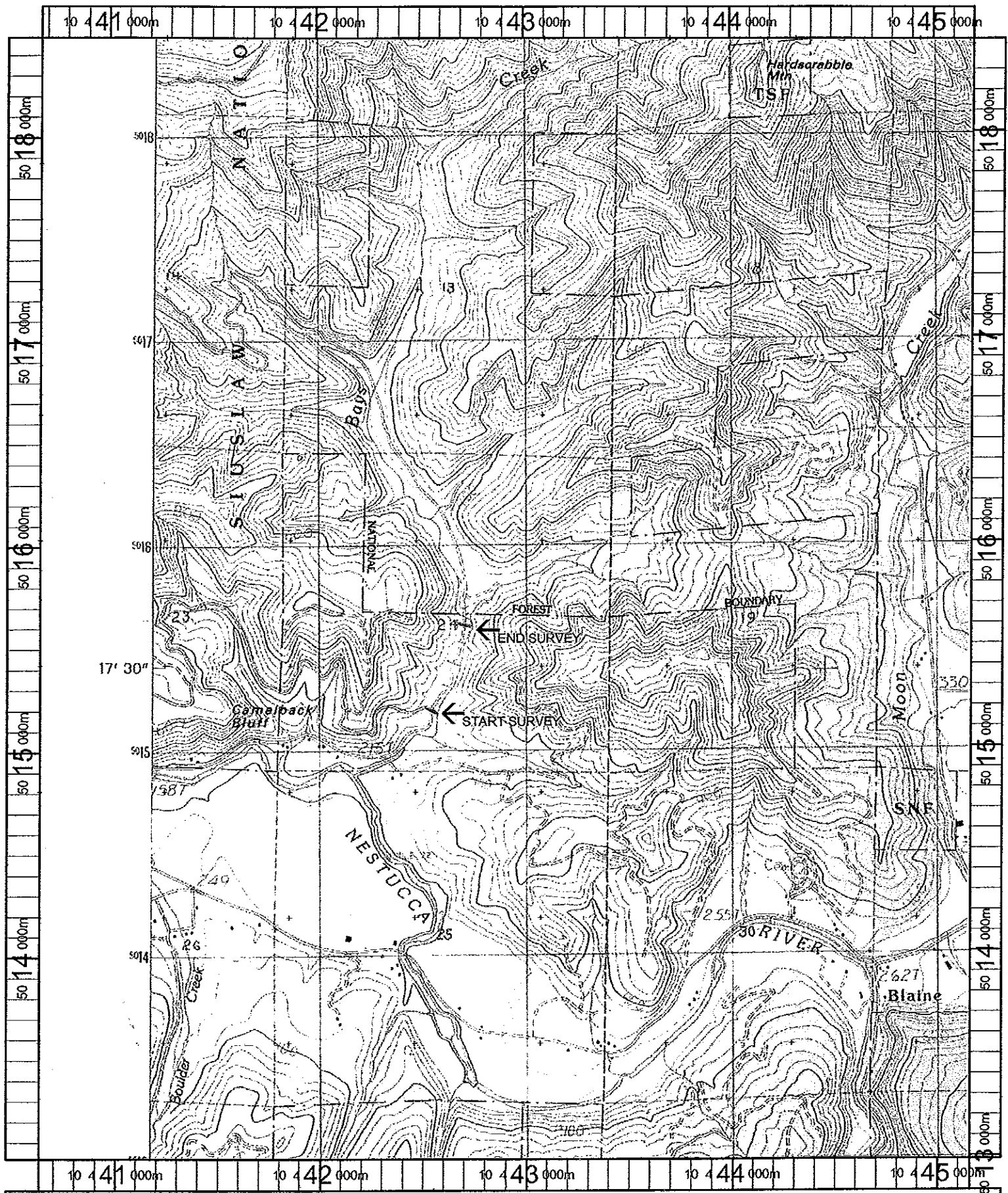
	Total	#/Km
All Pools	10	18.3
Pools ≥1m deep:	3	5.5
Complex pools (LWD pieces ≥3):	1	1.8
Pool Frequency (channel widths/pool):	5.2	
Residual pool depth (avg)	0.60m	

STREAM SUMMARY

BAYS CREEK PRE-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	Bdrk	
25	547	6.4	0.50	3,808	2	10	24	24	14	27	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	1,079	28.3
Backwater Pools	17	0.4
Glide	0	0.0
Riffle	1,794	47.1
Rapid	597	15.7
Cascade	0	0.0
Step	0	0.0
Dry	322	8.4



Name: BLAINE
 Date: 11/8/100
 Scale: 1 inch equals 2000 feet

Location: 10 442813 E 5015719 N
 Caption: BAYS CREEK RESTORATION SITE - NESTUCCA BASIN