

REACH 1

T23S-R11W-14NE

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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 avg: 3.1 range: 2.2-5.0

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	1,089	25,012	0
Secondary	43	122	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 21.4	25.0	29.0	30.4
Depth 0.76	0.9	1.8	2.0
W:D ratio	28.4	Entrenchment	1.2

Stream Flow Type: MF Water Temp: 6.0-6.0°C
 Avg. Unit Gradient: 0.8% Habitat Units/100m: 2.1

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	SQ	LT
Riparian Vegetation:	D30	C50

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 (≥3m x 0.15m)	35	3.2
Volume (m ³)	41	3.8
Key pieces (≥10m x 0.6m)	2	0.2

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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
GLIDE	5	268	24.1	0.64	6,461	0	5	5	38	2	2	48
POOL-ALCOVE	1	28	2.9	0.55	81	0	20	40	10	0	0	30
POOL-LATERAL SCOUR	1	35	26.3	1.25	926	0	5	10	5	5	15	60
POOL-STRAIGHT SCOUR	4	190	23.1	1.40	4,271	0	6	14	18	4	5	52
RAPID/BEDROCK	4	196	22.6	0.69	4,384	0	3	5	5	4	3	81
RAPID/BOULDERS	1	15	2.7	0.12	41	0	0	10	50	40	0	0
RIFFLE	6	300	22.5	0.63	6,745	0	4	8	6	1	3	78
RIFFLE W/ POCKETS	2	100	22.3	0.44	2,225	0	5	8	5	3	5	75
Total:	24	1,132	21.4	0.76	25,134	0	Avg: 5	9	16	4	3	62

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Area Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	1	28	2.9	0.55	81	0.32	0	0.0
Scour Pools	5	225	23.7	1.37	5,197	20.68	0	0.0
Glides	5	268	24.1	0.64	6,461	25.71	0	0.0
Riffles	8	400	22.4	0.59	8,970	35.69	0	0.0
Rapids	5	211	18.6	0.58	4,425	17.60	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	0	0	-	-	0	0.00	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	6	5.3
Pools ≥1m deep:	5	4.4
Complex pools (LWD pieces ≥3):	3	2.7
Pool Frequency (channel widths/pool):	7.5	
Residual pool depth (avg)	0.96m	

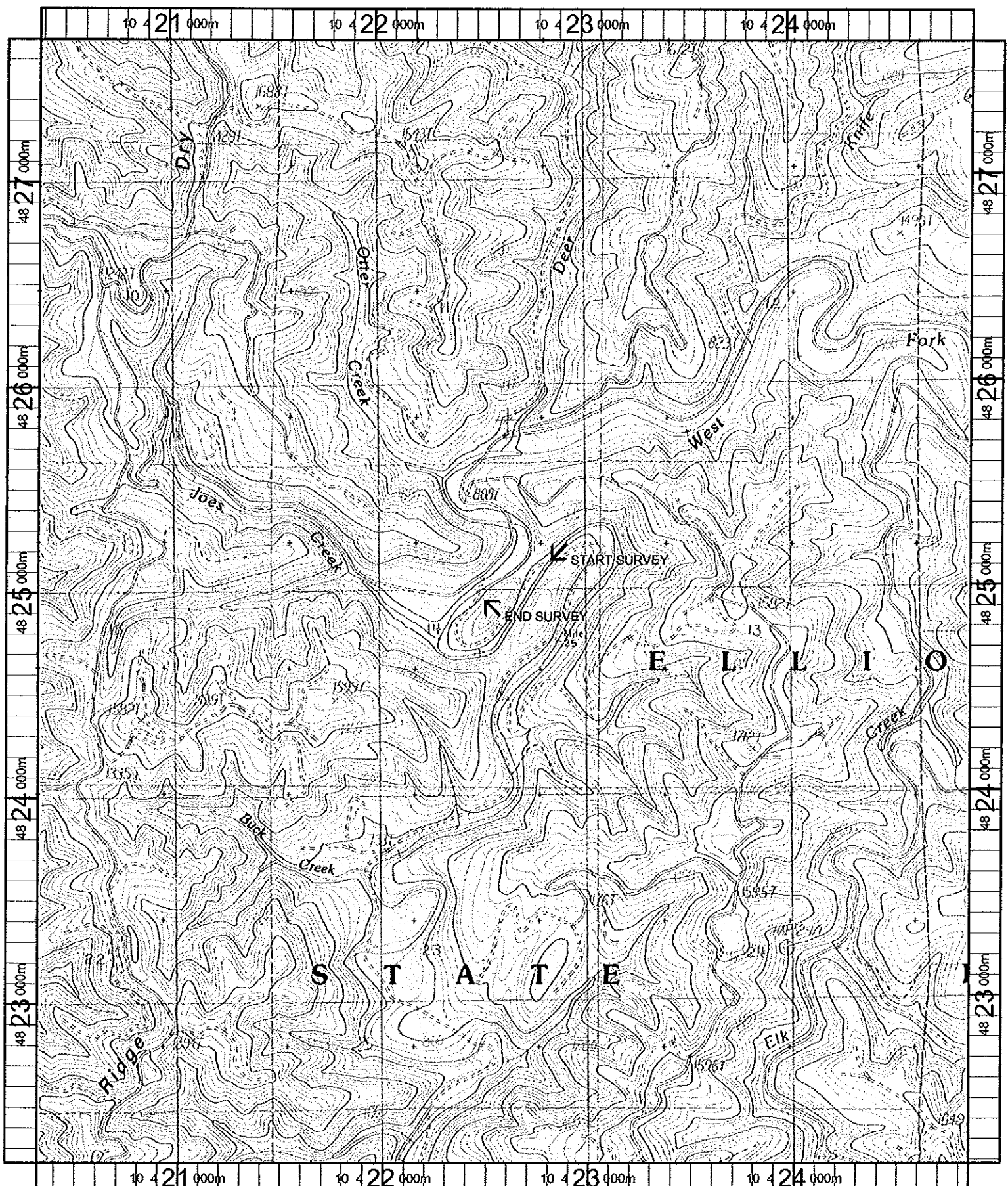
STREAM SUMMARY

W.F.MILLICOMA (LOWER) 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	
24	1,132	21.4	0.76	25,134	5	9	16	4	3	62	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	5,197	20.7
Backwater Pools	81	0.3
Glide	6,461	25.7
Riffle	8,970	35.7
Rapid	4,425	17.6
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: ELK PEAK
 Date: 10/31/100
 Scale: 1 inch equals 2000 feet

Location: 10 422511 E 4824924 N
 Caption: WF MILLICOMA (LOWER) RESTORATION SITE - MILLICOMA BASIN

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