

REACH SUMMARY

REACH 1

T23S-R11W-S14SE

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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	0
Moderate V-shape	100	Multiple Terraces	0
Open V-shape	0	Wide Floodplain	0

Valley Width Index avg: 2.3 range: 2.0-2.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100	Single Channel	0
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	1,202	27,274	0
Secondary	39	131	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 20.7	22.9	26.2	29.8
Depth 0.51	Height 0.7	1.4	2.4
	W:D ratio 32.2	Entrenchment 1.1	

Stream Flow Type: HF Water Temp: 7.0-7.0°C
Avg. Unit Gradient: 0.9% Habitat Units/100m: 2.3

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
Riparian Vegetation:	D15	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 ($\geq 3m \times 0.15m$)	63	5.2
Volume (m ³)	32	2.7
Key pieces ($\geq 10m \times 0.6m$)	1	0.1

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
GLIDE	3	162	22.0	0.38	3,597	0	0	8	69	0	2	22
POOL-BACKWATER	1	8	5.0	0.40	40	0	15	22	7	4	15	37
POOL-ISOLATED	1	13	2.6	0.40	34	0	4	9	26	0	0	61
POOL-LATERAL SCOUR	1	75	22.3	1.30	1,677	0	15	23	31	8	8	15
POOL-STRAIGHT SCOUR	3	100	22.4	1.37	2,216	0	7	15	21	4	4	49
RAPID/BEDROCK	1	42	21.2	0.35	895	0	0	0	5	10	14	71
RIFFLE	17	773	21.8	0.36	17,358	0	0	2	16	2	4	76
RIFFLE W/ POCKETS	1	49	23.1	0.60	1,137	0	0	5	10	5	14	67
STEP/BEDROCK	1	19	23.4	0.25	452	0	0	0	5	0	0	95
Total:	29	1,242	20.7	0.51	27,405	0	Avg: 2	6	22	2	5	64

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	2	21	3.8	0.40	74	0.27	0	0.0
Scour Pools	4	175	22.4	1.35	3,893	14.21	0	0.0
Glides	3	162	22.0	0.38	3,597	13.12	0	0.0
Riffles	18	823	21.8	0.37	18,495	67.49	0	0.0
Rapids	1	42	21.2	0.35	895	3.26	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	1	19	23.4	0.25	452	1.65	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

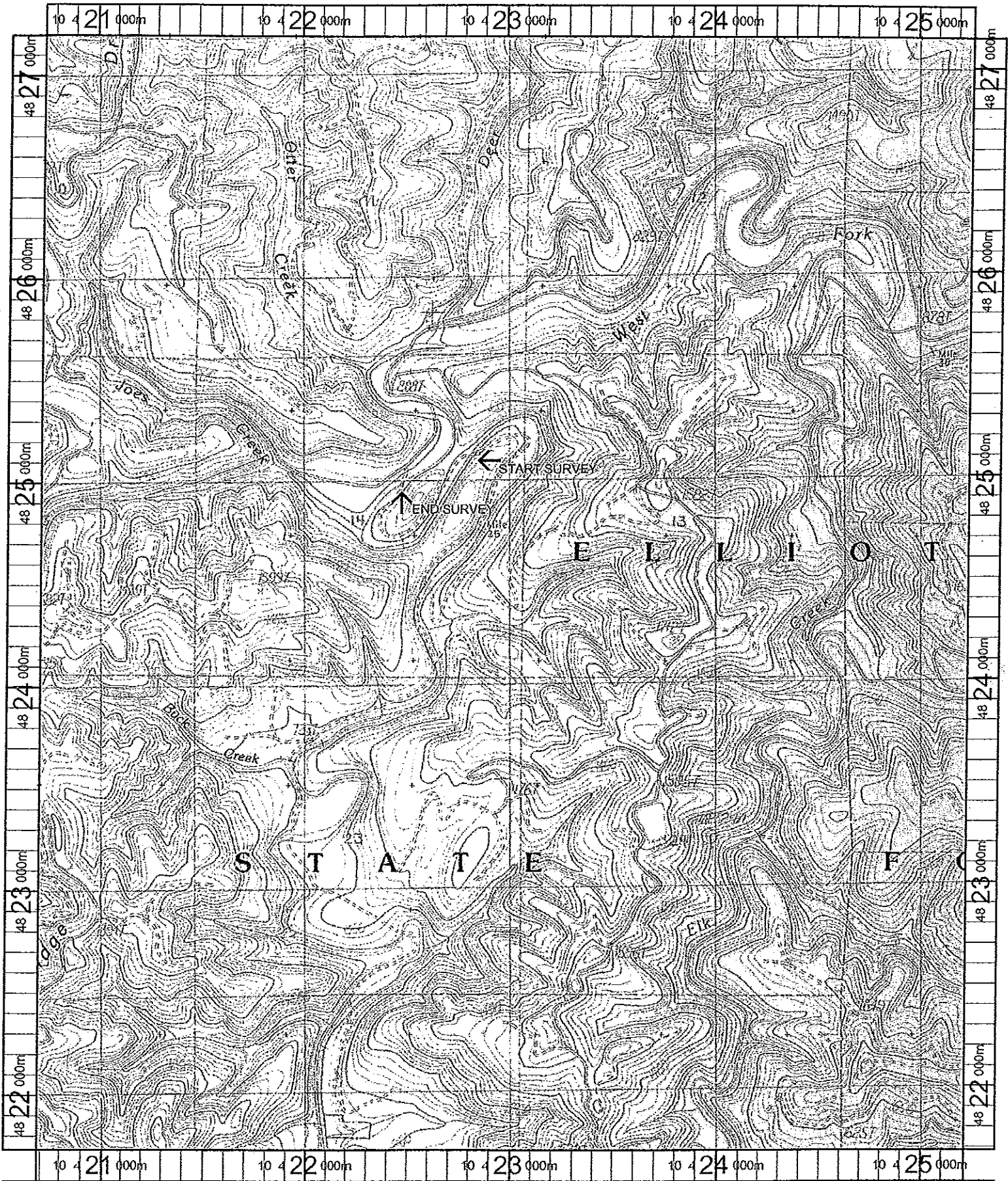
	Total	#/Km
All Pools	6	4.8
Pools ≥1m deep:	4	3.2
Complex pools (LWD pieces ≥3):	1	0.8
Pool Frequency (channel widths/pool):	9.0	
Residual pool depth (avg)	0.90m	

STREAM SUMMARY

WF 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	
29	1,242	20.7	0.51	27,405	2	6	22	2	5	64	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	3,893	14.2
Backwater Pools	74	0.3
Glide	3,597	13.1
Riffle	18,495	67.5
Rapid	895	3.3
Cascade	0	0.0
Step	452	1.6
Dry	0	0.0



Name: ELK PEAK
 Date: 11/7/100
 Scale: 1 Inch equals 2000 feet

Location: 10 422876 E 4824426 N
 Caption: W FK MILLICOMA (LOWER) RESTORATION SITE - MILLICOMA BASIN