

REACH SUMMARY

REACH 1

T23S-R10W-S7NW

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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: 1.8 range: 1.5-2.0

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	719	7,258	0
Secondary	4	5	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 10.1	12.1	16.5	17.1
Depth 0.45	Height 0.6	1.1	2.0
	W:D ratio 21.0	Entrenchment 1.4	

Stream Flow Type: MF Water Temp: 6.0-6.0°C
 Avg. Unit Gradient: 1.1% Habitat Units/100m: 3.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	MT
Riparian Vegetation:	C30	D15

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)	72	10.0
Volume (m ³)	36	5.0
Key pieces (≥10m x 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
GLIDE	2	86	9.7	0.43	834	0	4	17	26	13	9	31
POOL-BACKWATER	1	4	1.2	0.30	5	0	24	19	19	0	0	38
POOL-LATERAL SCOUR	1	18	14.3	0.90	262	0	0	10	5	0	0	86
POOL-PLUNGE	1	14	10.3	0.70	139	0	5	5	0	0	20	70
POOL-STRAIGHT SCOUR	5	118	9.9	1.04	1,130	0	7	9	10	8	11	56
RAPID/BEDROCK	1	26	9.5	0.30	250	0	0	0	10	10	0	80
RIFFLE	6	254	10.9	0.29	2,646	0	0	5	45	14	3	34
RIFFLE W/ POCKETS	3	121	8.7	0.35	1,042	0	3	6	25	9	15	43
STEP/BEDROCK	7	82	11.1	0.16	956	0	0	1	1	1	3	94
Total:	27	723	10.1	0.45	7,264	0	Avg: 3	6	18	7	6	59

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	1	4	1.2	0.30	5	0.07	0	0.0
Scour Pools	7	150	10.6	0.97	1,531	21.07	0	0.0
Glides	2	86	9.7	0.43	834	11.48	0	0.0
Riffles	9	375	10.1	0.31	3,688	50.77	0	0.0
Rapids	1	26	9.5	0.30	250	3.44	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	7	82	11.1	0.16	956	13.16	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

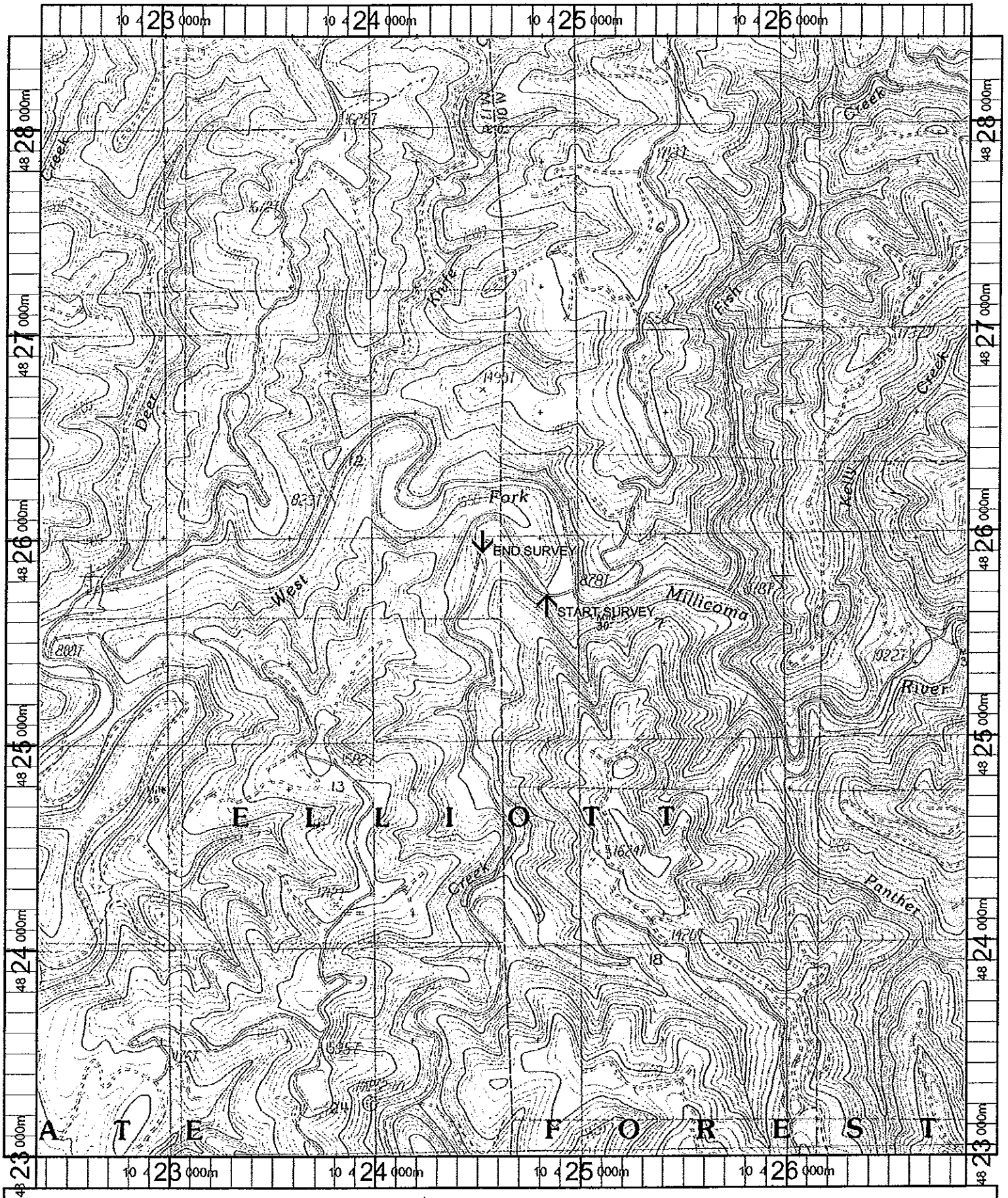
All Pools	<u>Total</u>	<u>#/Km</u>
	8	11.1
Pools ≥1m deep:	4	5.5
Complex pools (LWD pieces ≥3):	2	2.8
Pool Frequency (channel widths/pool):	7.5	
Residual pool depth (avg)	0.63m	

STREAM SUMMARY

ELK 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	
27	723	10.1	0.45	7,264	3	6	18	7	6	59	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	1,531	21.1
Backwater Pools	5	0.1
Glide	834	11.5
Riffle	3,688	50.8
Rapid	250	3.4
Cascade	0	0.0
Step	956	13.2
Dry	0	0.0



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

Location: 10 424542 E 4825690 N
 Caption: ELK CREEK RESTORATION SITE - MILLICOMA BASIN