

REACH SUMMARY

REACH 1

T23S-R10W-S7NE

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

Valley Width Index avg: 2.1 range: 1.3-3.0

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	861	8,817	0
Secondary	17	53	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width	9.7	Width 15.7	20.6	24.7
Depth	0.46	Height 0.6	1.1	2.5
		W:D ratio 27.4	Entrenchment 1.3	

Stream Flow Type: LF Water Temp: 4.5-4.5°C
 Avg. Unit Gradient: 1.5% Habitat Units/100m: 5.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	MT	YT
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)	117	13.6
Volume (m ³)	148	17.2
Key pieces (≥10m x 0.6m)	9	1.0

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
POOL-BACKWATER	2	12	3.1	0.35	52	0	5	21	71	3	0	0
POOL-LATERAL SCOUR	7	141	9.9	0.80	1,440	0	0	4	34	8	6	48
POOL-PLUNGE	5	54	10.9	0.93	593	0	0	5	16	11	2	66
POOL-STRAIGHT SCOUR	5	139	9.8	0.84	1,389	0	0	5	46	6	0	43
RAPID/BOULDERS	1	22	14.5	0.35	321	0	0	0	30	20	40	10
RIFFLE	19	424	10.1	0.29	4,275	0	0	1	37	3	2	56
RIFFLE W/ POCKETS	1	26	9.2	0.20	239	0	0	0	10	10	40	40
STEP/BEDROCK	7	30	10.2	0.17	295	0	0	0	0	3	1	96
STEP/BOULDERS	1	16	10.4	0.20	167	0	0	5	20	40	20	15
STEP/LOG	2	15	5.3	0.08	99	0	0	12	59	14	14	0
Total:	50	877	9.7	0.46	8,870	0	Avg: 0	4	31	7	5	54

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Area Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	2	12	3.1	0.35	52	0.59	0	0.0
Scour Pools	17	334	10.2	0.85	3,422	38.58	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	20	450	10.1	0.29	4,514	50.89	0	0.0
Rapids	1	22	14.5	0.35	321	3.61	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	10	60	9.2	0.16	562	6.33	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

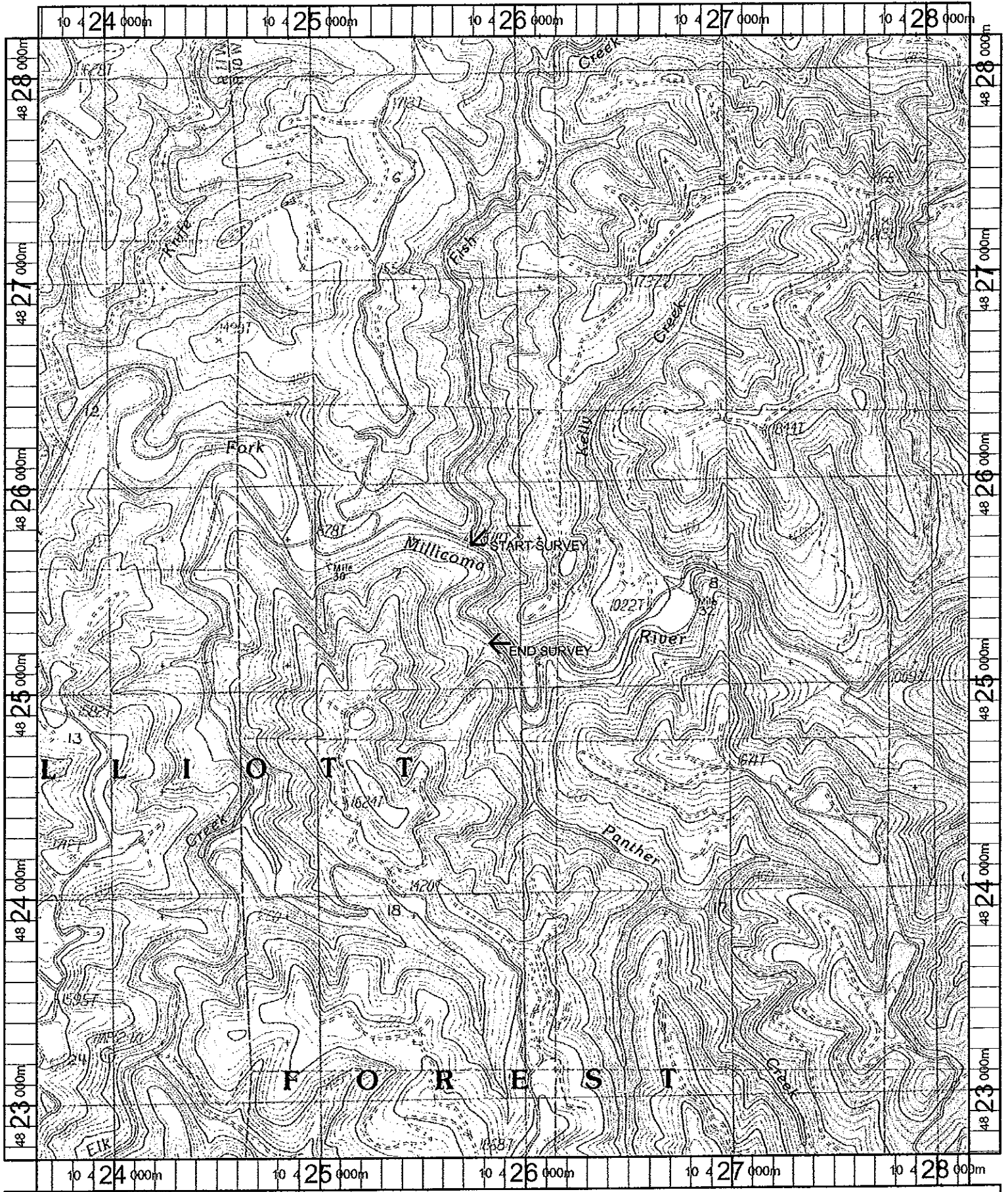
All Pools	<u>Total</u>	<u>#/Km</u>
	19	21.7
Pools ≥1m deep:	5	5.7
Complex pools (LWD pieces ≥3):	5	5.7
Pool Frequency (channel widths/pool):	2.9	
Residual pool depth (avg)	0.56m	

STREAM SUMMARY

WF MILLICOMA UPPER #2 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	
50	877	9.7	0.46	8,870	0	4	31	7	5	54	0

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	3,422	38.6
Backwater Pools	52	0.6
Glide	0	0.0
Riffle	4,514	50.9
Rapid	321	3.6
Cascade	0	0.0
Step	562	6.3
Dry	0	0.0



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

Location: 10 425817 E 4825428 N
 Caption: WF MILLICOMA #2 UPPER RESTORATION SITE - MILLICOMA BASIN