

REACH SUMMARY

REACH 1

T23S-R10W-S8SW

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: 2.3 range: 1.5-3.0

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	555	3,948	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width 6.9	10.5	15.2	15.0
Depth 0.49	Height 0.7	1.3	1.4
	W:D ratio 15.9	Entrenchment 1.4	

Stream Flow Type: MF Water Temp: 5.0-5.0°C  
 Avg. Unit Gradient: 0.3% Habitat Units/100m: 4.3

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	MT	YT
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 ( $\geq 3m \times 0.15m$ )	48	8.7
Volume (m <sup>3</sup> )	37	6.6
Key pieces ( $\geq 10m \times 0.6m$ )	1	0.2

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 <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
POOL-BACKWATER	1	6	3.3	0.50	21	0	10	20	20	0	0	50
POOL-LATERAL SCOUR	7	201	7.0	0.86	1,453	0	3	9	43	11	2	31
POOL-STRAIGHT SCOUR	2	73	7.0	1.05	513	0	0	5	30	20	5	40
RIFFLE	11	228	7.1	0.22	1,615	0	1	8	54	24	6	7
RIFFLE W/ POCKETS	1	25	8.6	0.30	215	0	0	10	40	30	10	10
STEP/COBBLE	2	22	5.9	0.23	131	0	0	5	70	25	0	0
<b>Total:</b>	<b>24</b>	<b>555</b>	<b>6.9</b>	<b>0.49</b>	<b>3,948</b>	<b>0</b>	<b>Avg: 2</b>	<b>8</b>	<b>48</b>	<b>19</b>	<b>4</b>	<b>18</b>

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m <sup>2</sup> )	Percent	Large Boulders Number	#/100m <sup>2</sup>
Dammed & BW Pools	1	6	3.3	0.50	21	0.52	0	0.0
Scour Pools	9	273	7.0	0.91	1,967	49.81	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	12	253	7.2	0.23	1,830	46.35	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	2	22	5.9	0.23	131	3.32	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

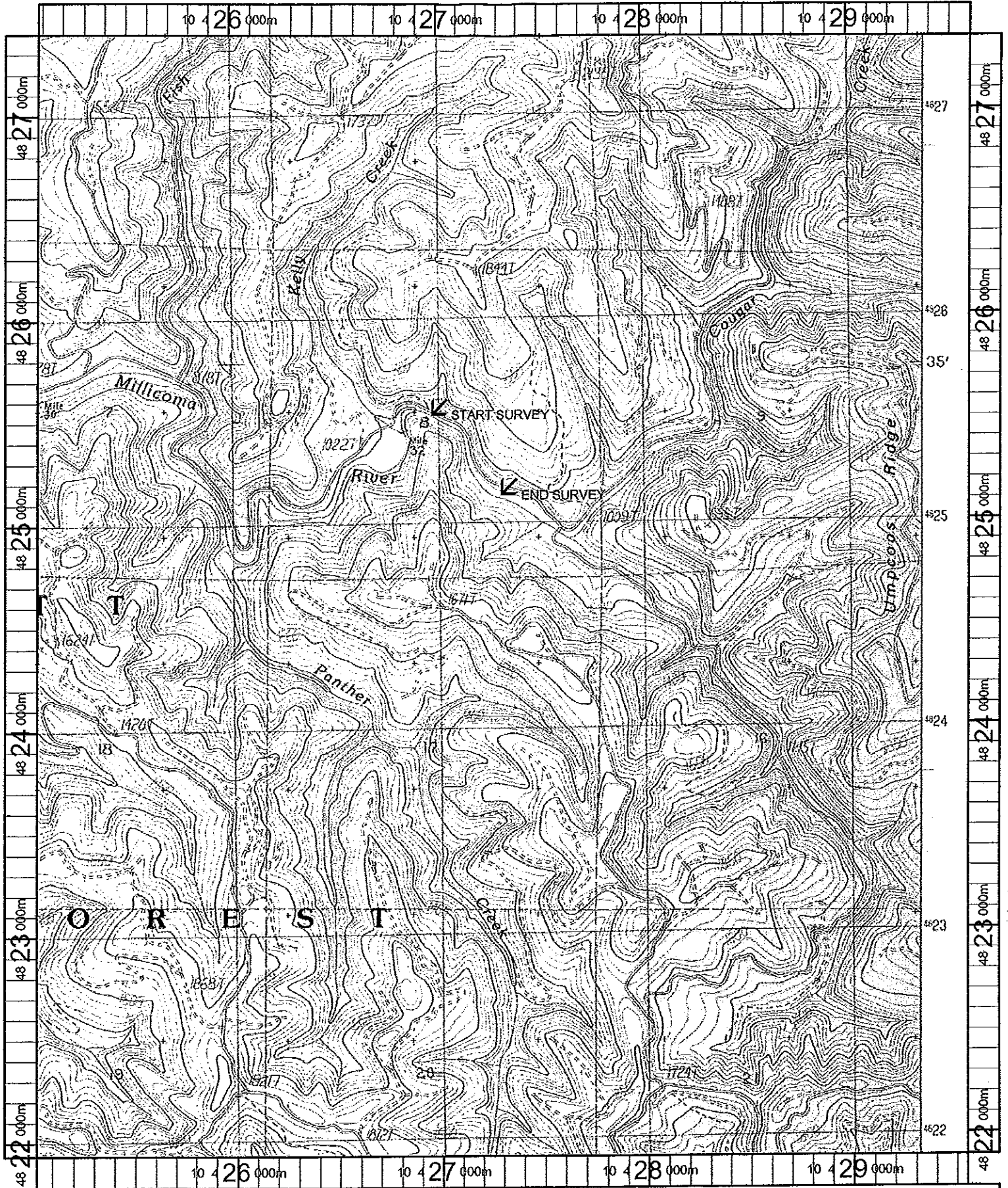
All Pools	<u>Total</u>	<u>#/Km</u>
	10	18.0
Pools ≥1m deep:	2	3.6
Complex pools (LWD pieces ≥3):	3	5.4
Pool Frequency (channel widths/pool):	5.3	
Residual pool depth (avg)	0.68m	

STREAM SUMMARY

WF MILLICOMA UPPER #1 PRE-TX

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Substrate Percent Wetted Area						Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	Bdrk	
24	555	6.9	0.49	3,948	2	8	48	19	4	18	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	1,967	49.8
Backwater Pools	21	0.5
Glide	0	0.0
Riffle	1,830	46.4
Rapid	0	0.0
Cascade	0	0.0
Step	131	3.3
Dry	0	0.0



Name: ELK PEAK  
 Date: 10/17/100  
 Scale: 1 inch equals 2000 feet

Location: 10 427213 E 4824628 N  
 Caption: WF MILLICOMA UPPER #1 RESTORATION SITE - MILLICOMA BASIN