

REACH 1

T23S-R10W-S6NE

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: 1.5 range: 1.0-2.3

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	802	3,884	0
Secondary	26	36	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.6	Width	7.0	10.8	13.2
Depth	0.44	Height	0.5	1.0	1.8
		W:D ratio	13.5	Entrenchment	1.6

Stream Flow Type: MF Water Temp: 6.0-6.0°C
 Avg. Unit Gradient: 4.3% Habitat Units/100m: 5.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D15	C15

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)	202	25.2
Volume (m ³)	116	14.5
Key pieces (≥10m x 0.6m)	1	0.1

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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 S/O	Wetted Snd	Area Grvl	Cbbl	Bldr	Bdrk
CASCADE/BEDROCK	9	324	4.7	0.22	1,662	0	0	0	2	1	9	88
CASCADE/BOULDERS	6	108	3.7	0.25	478	0	0	2	17	21	53	7
POOL-DAMMED	1	13	6.1	0.80	78	0	0	10	70	20	0	0
POOL-LATERAL SCOUR	6	90	4.8	0.88	428	0	2	8	44	41	4	1
POOL-PLUNGE	4	30	5.7	0.79	176	0	0	5	42	28	23	2
RAPID/BEDROCK	1	18	4.2	0.50	75	0	0	0	0	15	15	70
RAPID/BOULDERS	7	133	3.8	0.35	537	0	0	1	33	46	20	1
RIFFLE	4	111	4.9	0.34	474	0	0	1	46	31	23	0
STEP/COBBLE	1	1	4.0	0.30	4	0	0	15	15	70	0	0
STEP/LOG	2	2	5.2	0.36	10	0	0	43	28	28	0	0
Total:	41	828	4.6	0.44	3,920	0	Avg: 0	5	27	27	19	22

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	1	13	6.1	0.80	78	1.98	0	0.0
Scour Pools	10	120	5.2	0.84	605	15.42	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	4	111	4.9	0.34	474	12.09	0	0.0
Rapids	8	150	3.8	0.37	612	15.60	0	0.0
Cascades	15	432	4.3	0.23	2,139	54.58	0	0.0
Step/Falls	3	3	4.8	0.34	13	0.33	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

	<u>Total</u>	<u>#/Km</u>
All Pools	11	13.3
Pools ≥1m deep:	2	2.4
Complex pools (LWD pieces ≥3):	7	8.5
Pool Frequency (channel widths/pool):	10.8	
Residual pool depth (avg)	0.50m	

STREAM SUMMARY

FISH 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	
41	828	4.6	0.44	3,920	0	5	27	27	19	22	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	605	15.4
Backwater Pools	78	2.0
Glide	0	0.0
Riffle	474	12.1
Rapid	612	15.6
Cascade	2,139	54.6
Step	13	0.3
Dry	0	0.0

STREAM HABITAT STATUS SHEET

STREAM FISH CREEK PRE-WINTER

Entered by: (initial) LB

BASIN Millicoma River

Analyzed by: _____

Map Work by: _____

DISTRICT: _____

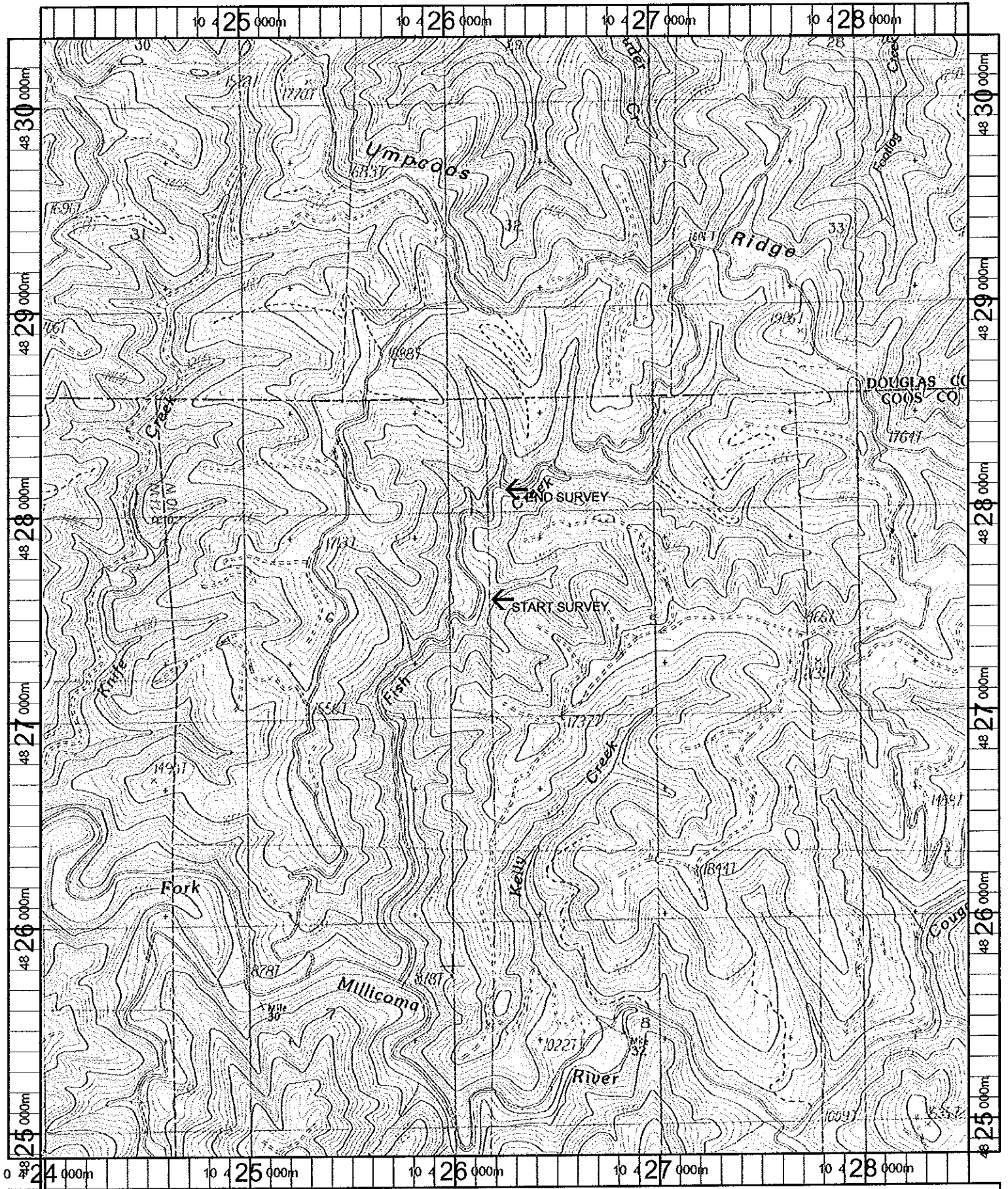
CONTRACT: _____

CREW: BC/CW

✓	PROCESS	DATE	FILENAME	COMMENTS
✓	REACH	4/25/00	FISH ER.DBF	No UTM
✓	UNIT 1 → WINTERHAB	4/26/00	FISH WHB U1.DBF	
	UNIT 2 →	/ /	U2.DBF	
	UNIT CHECK	/ /	CHK.DBF	
✓	WOOD	4/26/00	FISH WD.DBF	Decimal point for DBH
	RIPARIAN	/ /	RP.DBF	
	CALIBRATION	/ /	CAL.XLS	
	EXPANDED WOOD	/ /	WE.DBF	
	UNIT LINK	/ /	UX.DBF	
	UNIT LINK with WOOD	/ /	UX2.DBF	
	HABITAT PROFILES	/ /	PRO.XLS	
	<i>reminder</i> COR_LENGTH corrected as well as COR_AREA in dbf file			
	<i>reminder</i> SLOPE corrected in dbf file			
	HABITAT REPORT LINK	/ /	LNK.DBF	
	RIPARIAN LINK	/ /	RLK.DBF	
	COMMENT SUMMARY	/ /	COM.XLS	
	Check that report primary channel length is equal to Comment Codes and length			
	HABITAT BAR GRAPHS	/ /	BAR.DBF	
	COVER DOCUMENT	/ /	RPT.DOC	
	MAP SUMMARY	/ /	-----	
	PHOTOS	/ /	-----	

NOTES:

Jam = 4
 BD
 BV
 CL = 3
 MF = 1
 DJ = 1
 HJ = 1



Name: ELK PEAK
 Date: 10/16/100
 Scale: 1 inch equals 2000 feet

Location: 10 426168 E 4827572 N
 Caption: FISH CREEK RESTORATION SITE

Millcoma basin