

REACH 1

T11S-R9W-34SW

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: 2.0 range: 2.0-2.0

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	247	1,716	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.9	Width	8.9	16.0	9.8
Depth	0.68	Height	0.7	1.4	1.0
		W:D ratio	12.7	Entrenchment	1.8

Stream Flow Type: HF Water Temp: 0.0-0.0°C
Avg. Unit Gradient: 1.7% Habitat Units/100m: 4.1

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	YT
Riparian Vegetation:	D30	S

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)	14	5.7
Volume (m ³)	11	4.6
Key pieces (≥10m x 0.6m)	0	0.0

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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-LATERAL SCOUR	4	77	6.6	1.02	506	0	9	26	54	5	5	0
POOL-STRAIGHT SCOUR	1	13	5.9	0.70	77	0	11	33	56	0	0	0
RAPID/BOULDERS	2	102	7.2	0.45	731	0	0	8	22	32	38	0
RIFFLE	3	55	7.4	0.37	401	0	2	14	84	0	0	0
Total:	10	247	6.9	0.68	1,716	0	Avg: 5	20	57	9	10	0

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	0	0	-	-	0	0.00	0	0.0
Scour Pools	5	90	6.5	0.96	583	34.00	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	3	55	7.4	0.37	401	23.38	0	0.0
Rapids	2	102	7.2	0.45	731	42.63	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	0	0	-	-	0	0.00	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	5	20.3
Pools ≥1m deep:	1	4.1
Complex pools (LWD pieces ≥3):	3	12.2
Pool Frequency (channel widths/pool):	5.5	
Residual pool depth (avg)	0.69m	

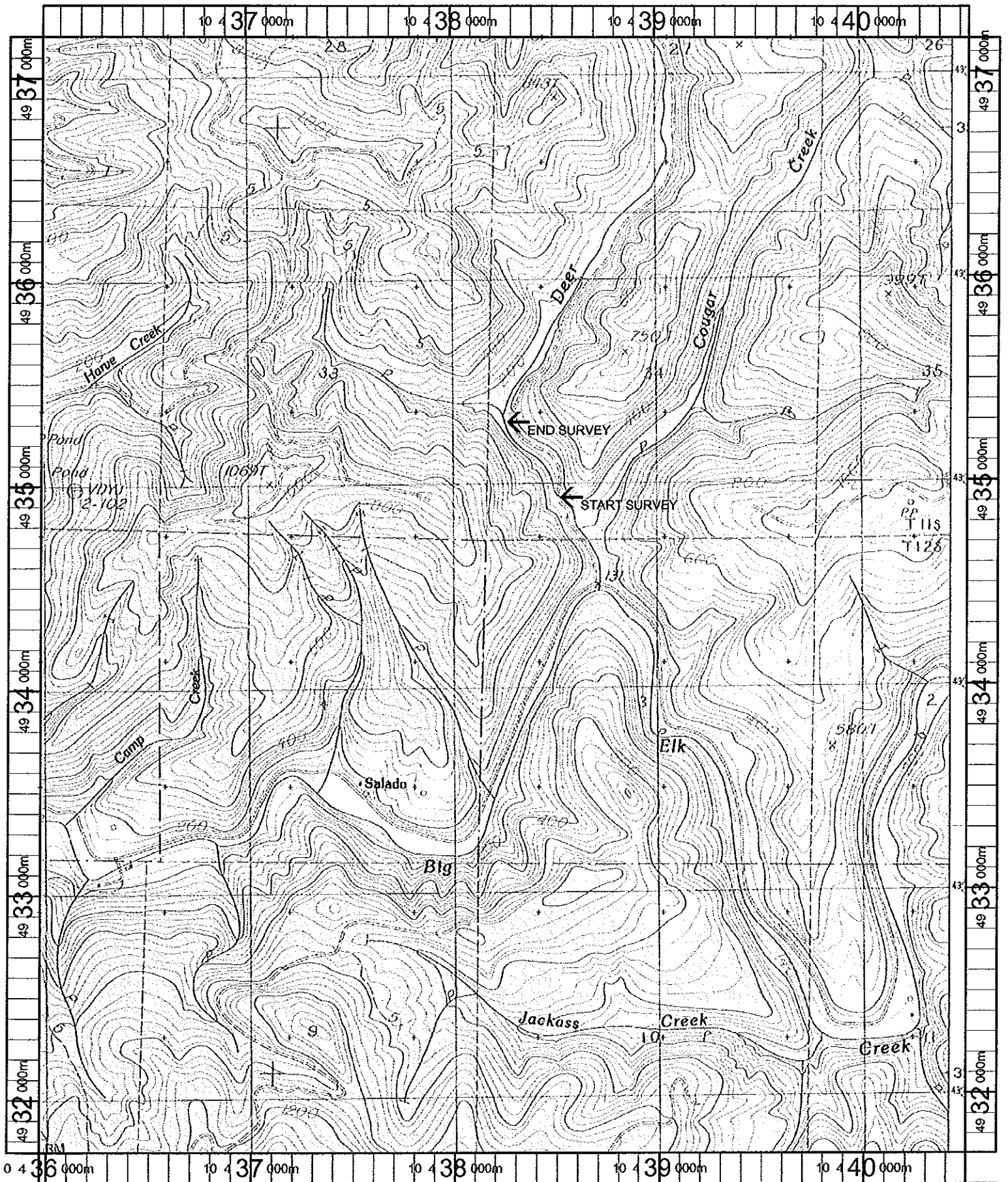
STREAM SUMMARY

LOWER DEER CREEK #1 (REFERENCE)

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	
10	247	6.9	0.68	1,716	5	20	57	9	10	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	583	34.0
Backwater Pools	0	0.0
Glide	0	0.0
Riffle	401	23.4
Rapid	731	42.6
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: ELK CITY
 Date: 10/13/100
 Scale: 1 inch equals 2000 feet

Location: 10 438154 E 4934440 N
 Caption: DEER CREEK RESTORATION SITE

Yagima basin