

REACH 1

T24S-R3W-S16NW

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

Valley Width Index avg: 4.8 range: 4.0-6.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	0
Bedrock	0	Multiple Channel	0
Terrace	100	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	588	4,921	0
Secondary	88	260	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>	<u>Floodprone</u>	<u>First Terrace</u>
Width	7.1	9.8	15.6	16.2
Depth	0.52	0.5	0.9	1.3
		W:D ratio 19.5	Entrenchment 1.7	

Stream Flow Type: MF Water Temp: 7.0-7.0°C  
 Avg. Unit Gradient: 0.8% Habitat Units/100m: 5.6

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	ST
Riparian Vegetation:	D15	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)	167	28.4
Volume (m <sup>3</sup> )	231	39.2
Key pieces (≥10m x 0.6m)	11	1.9

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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
DRY UNITS	1	44	1.6	0.20	70	0	10	20	60	5	5	0
POOL-ALCOVE	1	2	2.2	0.30	4	0	100	0	0	0	0	0
POOL-BACKWATER	3	12	3.6	0.55	44	0	50	40	10	0	0	0
POOL-DAMMED	2	27	9.4	0.65	248	0	16	46	18	16	5	0
POOL-LATERAL SCOUR	13	233	6.9	0.82	1,667	0	15	33	39	3	2	8
POOL-PLUNGE	1	10	7.5	0.90	74	0	0	10	65	10	15	0
POOL-STRAIGHT SCOUR	1	14	6.7	0.80	91	0	10	25	35	0	5	25
RIFFLE	9	262	7.8	0.25	2,256	0	7	15	52	14	5	7
RIFFLE W/ POCKETS	1	52	10.3	0.30	536	0	5	10	75	0	10	0
STEP/BEAVER DAM	2	2	8.3	0.23	17	0	0	0	5	3	92	0
STEP/COBBLE	4	20	8.7	0.20	175	0	5	8	75	10	3	0
<b>Total:</b>	<b>38</b>	<b>676</b>	<b>7.1</b>	<b>0.52</b>	<b>5,181</b>	<b>0</b>	<b>Avg:15</b>	<b>23</b>	<b>42</b>	<b>7</b>	<b>8</b>	<b>5</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	6	40	5.3	0.54	296	5.72	0	0.0
Scour Pools	15	256	7.0	0.82	1,831	35.35	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	10	314	8.1	0.26	2,791	53.88	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	6	22	8.6	0.21	192	3.71	0	0.0
Dry	1	44	1.6	0.20	70	1.35	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	21	31.0
Pools ≥1m deep:	3	4.4
Complex pools (LWD pieces ≥3):	11	16.3
Pool Frequency (channel widths/pool):	3.3	
Residual pool depth (avg)	0.49m	

STREAM SUMMARY

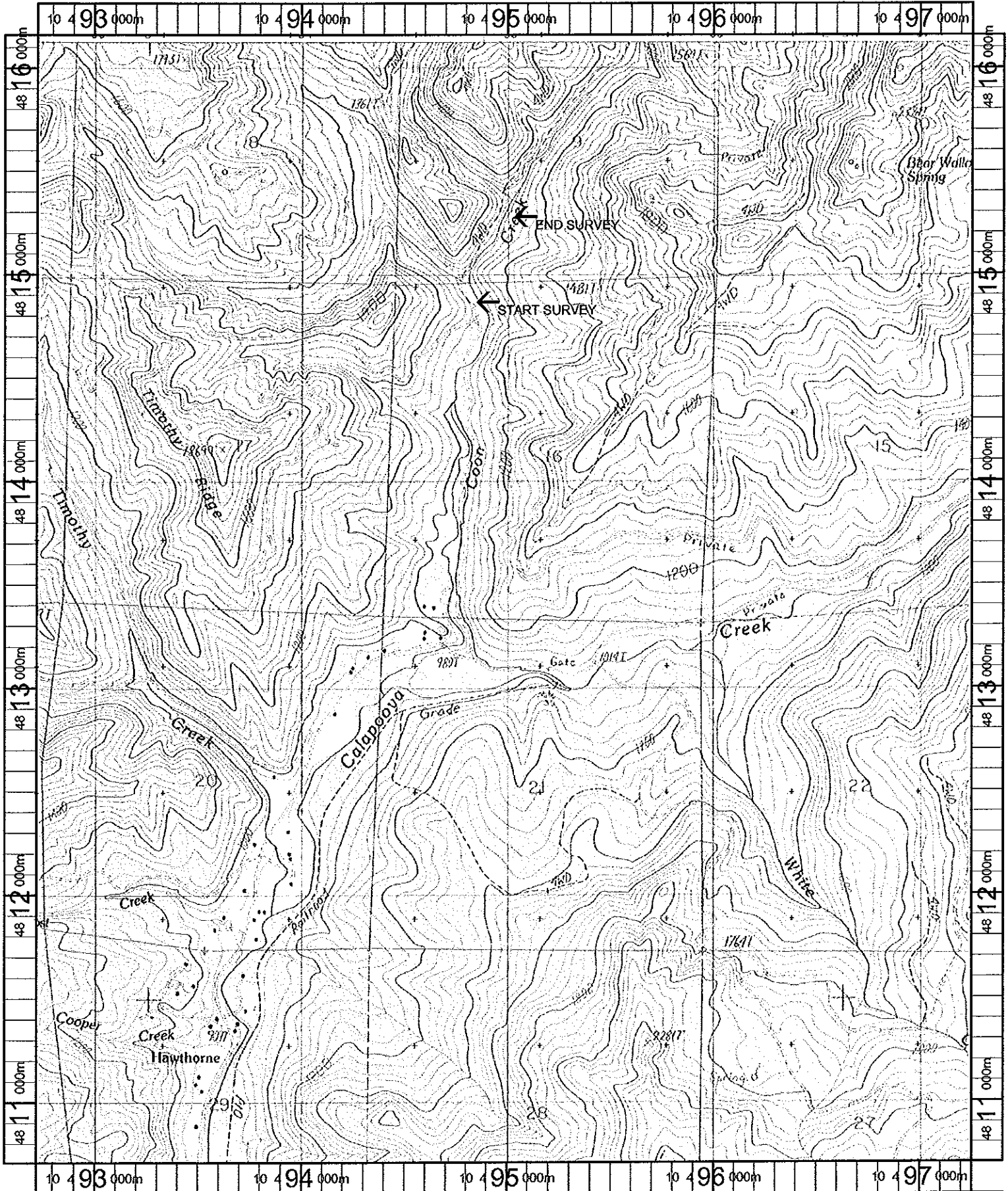
COON CREEK (POST TX)

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	
38	676	7.1	0.52	5,181	15	23	42	7	8	5	0

Wetted Area

Habitat Group	(m <sup>2</sup> )	Percent
Scour Pool	1,831	35.3
Backwater Pools	296	5.7
Glide	0	0.0
Riffle	2,791	53.9
Rapid	0	0.0
Cascade	0	0.0
Step	192	3.7
Dry	70	1.3

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Name: HINKLE CREEK  
 Date: 10/16/100  
 Scale: 1 inch equals 2000 feet

Location: 10 494890 E 4813417 N  
 Caption: COON CREEK RESTORATION SITE - CALAPOOYA BASIN