

REACH SUMMARY

REACH 1

T25S-R10W-S25SE

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

Valley Width Index avg: 4.2 range: 3.5-5.0

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	505	4,937	0
Secondary	10	13	0

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	8.9	Width	10.5		14.4		19.3
Depth	0.40	Height	0.6		1.1		1.5
		W:D ratio	20.4	Entrenchment	1.4		

Stream Flow Type: MF Water Temp: 5.0-5.0°C  
Avg. Unit Gradient: 0.7% Habitat Units/100m: 3.9

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	
Riparian Vegetation:	D15	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 (≥3m x 0.15m)	27	5.3
Volume (m <sup>3</sup> )	6	1.2
Key pieces (≥10m x 0.6m)	0	0.0

HABITAT UNIT SUMMARY

REACH 1 T25S-R10W-S25SE REACH 1

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
GLIDE	5	120	9.6	0.33	1,147	0	0	20	51	22	7	0
POOL-LATERAL SCOUR	2	68	12.5	0.88	948	0	0	42	33	25	0	0
POOL-STRAIGHT SCOUR	2	92	10.6	0.90	965	0	11	19	50	15	0	5
RAPID/BOULDERS	1	10	1.4	0.15	13	0	0	0	9	36	55	0
RIFFLE	9	211	8.1	0.28	1,730	0	0	13	31	19	0	37
STEP/COBBLE	1	15	10.1	0.20	147	0	0	0	20	50	0	30
<b>Total:</b>	<b>20</b>	<b>515</b>	<b>8.9</b>	<b>0.40</b>	<b>4,950</b>	<b>0</b>	<b>Avg: 1</b>	<b>17</b>	<b>36</b>	<b>23</b>	<b>5</b>	<b>19</b>

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m <sup>2</sup> )	Area Percent	Large Boulders Number	Boulders #/100m <sup>2</sup>
Dammed & BW Pools	0	0	-	-	0	0.00	0	0.0
Scour Pools	4	160	11.5	0.89	1,913	38.65	0	0.0
Glides	5	120	9.6	0.33	1,147	23.17	0	0.0
Riffles	9	211	8.1	0.28	1,730	34.95	0	0.0
Rapids	1	10	1.4	0.15	13	0.27	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	1	15	10.1	0.20	147	2.96	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

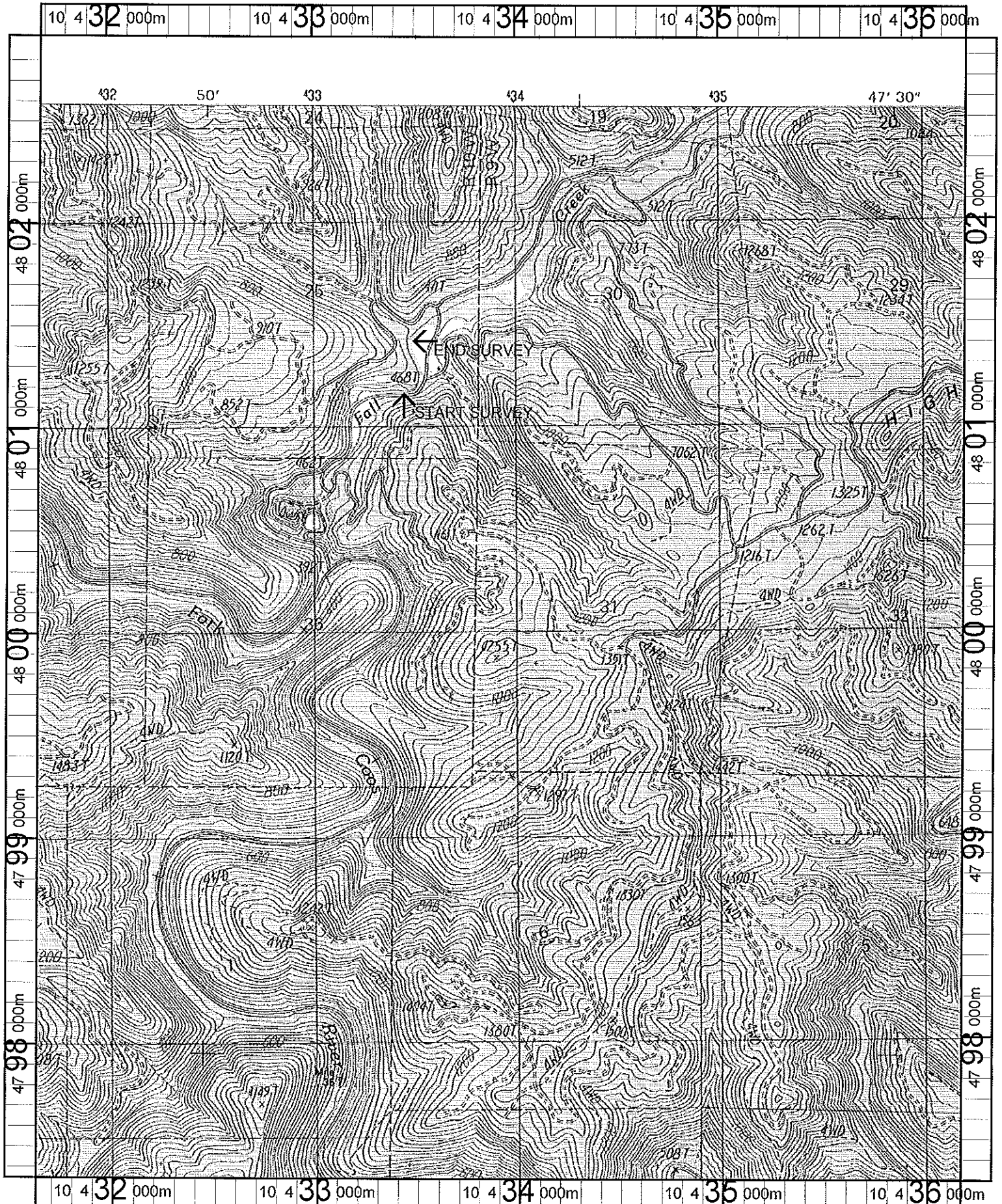
All Pools	<u>Total</u>	<u>#/Km</u>
	4	7.8
Pools ≥1m deep:	1	1.9
Complex pools (LWD pieces ≥3):	1	1.9
Pool Frequency (channel widths/pool):	12.3	
Residual pool depth (avg)	0.64m	

**STREAM SUMMARY**

**FALL CREEK 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	
20	515	8.9	0.40	4,950	1	17	36	23	5	19	0

Habitat Group	Wetted Area	
	(m <sup>2</sup> )	Percent
Scour Pool	1,913	38.6
Backwater Pools	0	0.0
Glide	1,147	23.2
Riffle	1,730	34.9
Rapid	13	0.3
Cascade	0	0.0
Step	147	3.0
Dry	0	0.0



Name: TIOGA  
 Date: 5/30/101  
 Scale: 1 inch equals 2000 feet

Location: 10 433824 E 4800094 N  
 Caption: FALL CREEK RESTORATION SITE - COOS BASIN