

REACH 1

T32S-R6W-S16NE

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: 10.6 range: 5.0-15.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	100
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	509	1,455	0
Secondary	71	96	1

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.6	Width	3.8	11.6	8.3
Depth	0.35	Height	0.5	1.0	1.2
		W:D ratio	8.3	Entrenchment	3.1

Stream Flow Type: MF Water Temp: 7.0-7.0°C
 Avg. Unit Gradient: 4.8% Habitat Units/100m: 10.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
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 ($\geq 3m \times 0.15m$)	109	21.4
Volume (m ³)	67	13.1
Key pieces ($\geq 10m \times 0.6m$)	1	0.2

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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
CASCADE/BOULDERS	12	254	3.1	0.28	768	0	0	3	29	32	37	0
CULVERT CROSSING	1	11	0.8	0.10	9	0	0	50	0	0	50	0
GLIDE	1	10	2.3	0.30	23	0	0	15	85	0	0	0
POOL-ALCOVE	2	25	1.7	0.20	40	0	50	50	0	0	0	0
POOL-BACKWATER	4	5	1.2	0.32	7	0	0	24	46	30	0	0
POOL-DAMMED	1	6	2.5	0.72	15	0	0	25	75	0	0	0
POOL-LATERAL SCOUR	4	30	2.5	0.49	70	0	0	13	66	14	8	0
POOL-PLUNGE	11	58	3.9	0.70	232	0	0	6	72	14	7	1
POOL-STRAIGHT SCOUR	1	11	2.1	0.32	23	0	0	10	60	30	0	0
PUDDLED CHANNEL	1	41	1.2	0.15	49	0	30	50	20	0	0	0
RAPID/BOULDERS	5	67	2.1	0.23	140	0	0	1	48	42	9	0
RIFFLE	4	55	3.0	0.25	163	0	0	10	66	23	1	0
STEP/BOULDERS	1	1	0.5	0.30	0	0	0	0	0	0	100	0
STEP/COBBLE	2	1	2.3	0.18	3	0	0	0	18	65	18	0
STEP/LOG	7	4	2.2	0.14	9	0	0	13	61	24	3	0
STEP/STRUCTURE	1	1	0.8	0.10	1	0	0	50	0	0	50	0
Total:	58	580	2.6	0.35	1,550	0	Avg: 2	12	48	23	15	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	7	36	1.5	0.34	61	3.96	0	0.0
Scour Pools	16	99	3.4	0.63	325	20.93	0	0.0
Glides	1	10	2.3	0.30	23	1.45	0	0.0
Riffles	4	55	3.0	0.25	163	10.51	0	0.0
Rapids	5	67	2.1	0.23	140	9.04	0	0.0
Cascades	12	254	3.1	0.28	768	49.54	0	0.0
Step/Falls	11	7	1.9	0.16	13	0.83	0	0.0
Dry	1	41	1.2	0.15	49	3.17	0	0.0

POOL SUMMARY

	<u>Total</u>	<u>#/Km</u>
All Pools	23	39.7
Pools ≥1m deep:	2	3.4
Complex pools (LWD pieces ≥3):	4	6.9
Pool Frequency (channel widths/pool):	6.6	
Residual pool depth (avg)	0.47m	

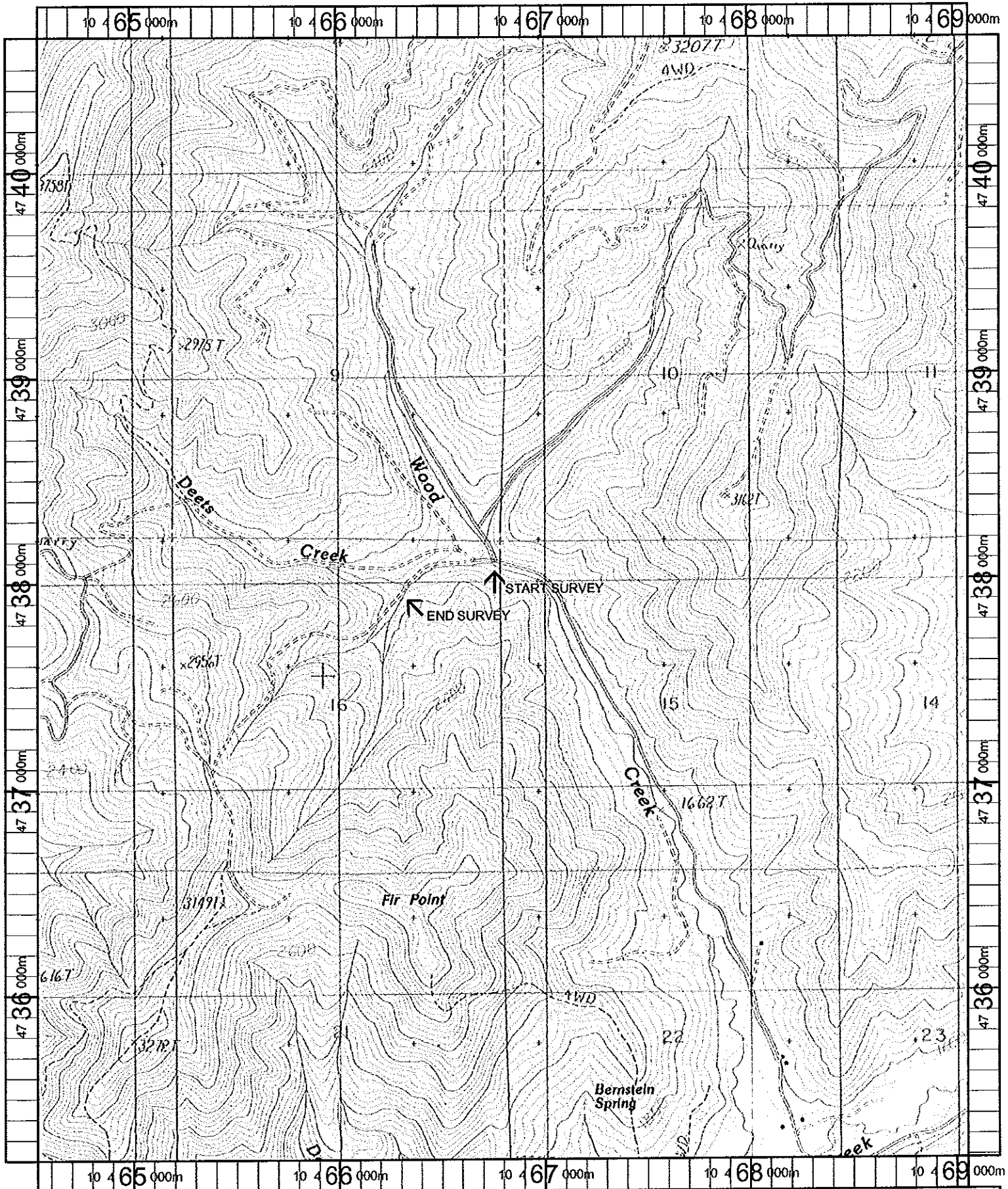
STREAM SUMMARY

DEETS 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	
58	580	2.6	0.35	1,550	2	12	48	23	15	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	325	20.9
Backwater Pools	61	4.0
Glide	23	1.5
Riffle	163	10.5
Rapid	140	9.0
Cascade	768	49.5
Step	13	0.8
Dry	49	3.2



<p>Name: MC CULLOUGH CREEK Date: 10/16/100 Scale: 1 inch equals 2000 feet</p>	<p>Location: 10 466705 E 4737903 N Caption: DEETS CREEK RESTORATION SITE <i>Umpqua basin</i></p>
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