

REACH 1

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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: 10.0 range: 10.0-10.0

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	1,232	8,199	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	6.5	Width	11.5	18.7	21.0
Depth	0.94	Height	0.6	1.2	1.7
		W:D ratio	18.5	Entrenchment	1.7

Stream Flow Type: LF Water Temp: 19.0-19.0°C
Avg. Unit Gradient: 0.2% Habitat Units/100m: 3.3

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LG	RR
Riparian Vegetation:	G	D30

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding	11%	Reach avg: 34%
Undercut Banks	15%	Range: 11- 97

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	25	2.0
Volume (m ³)	128	10.4
Key pieces ($\geq 10m \times 0.6m$)	7	0.6

HABITAT UNIT SUMMARY

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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
GLIDE	2	69	7.0	0.30	463	0	2	29	55	10	0	5
POOL-LATERAL SCOUR	31	975	6.8	1.17	6,707	26	6	42	44	5	1	1
RIFFLE	8	188	5.3	0.19	1,029	0	0	29	63	7	1	0
Total:	41	1,232	6.5	0.94	8,199	26	Avg: 4	39	48	6	1	1

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	0	0	-	-	0	0.00	0	0.0
Scour Pools	31	975	6.8	1.17	6,707	81.81	26	0.4
Glides	2	69	7.0	0.30	463	5.64	0	0.0
Riffles	8	188	5.3	0.19	1,029	12.55	0	0.0
Rapids	0	0	-	-	0	0.00	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

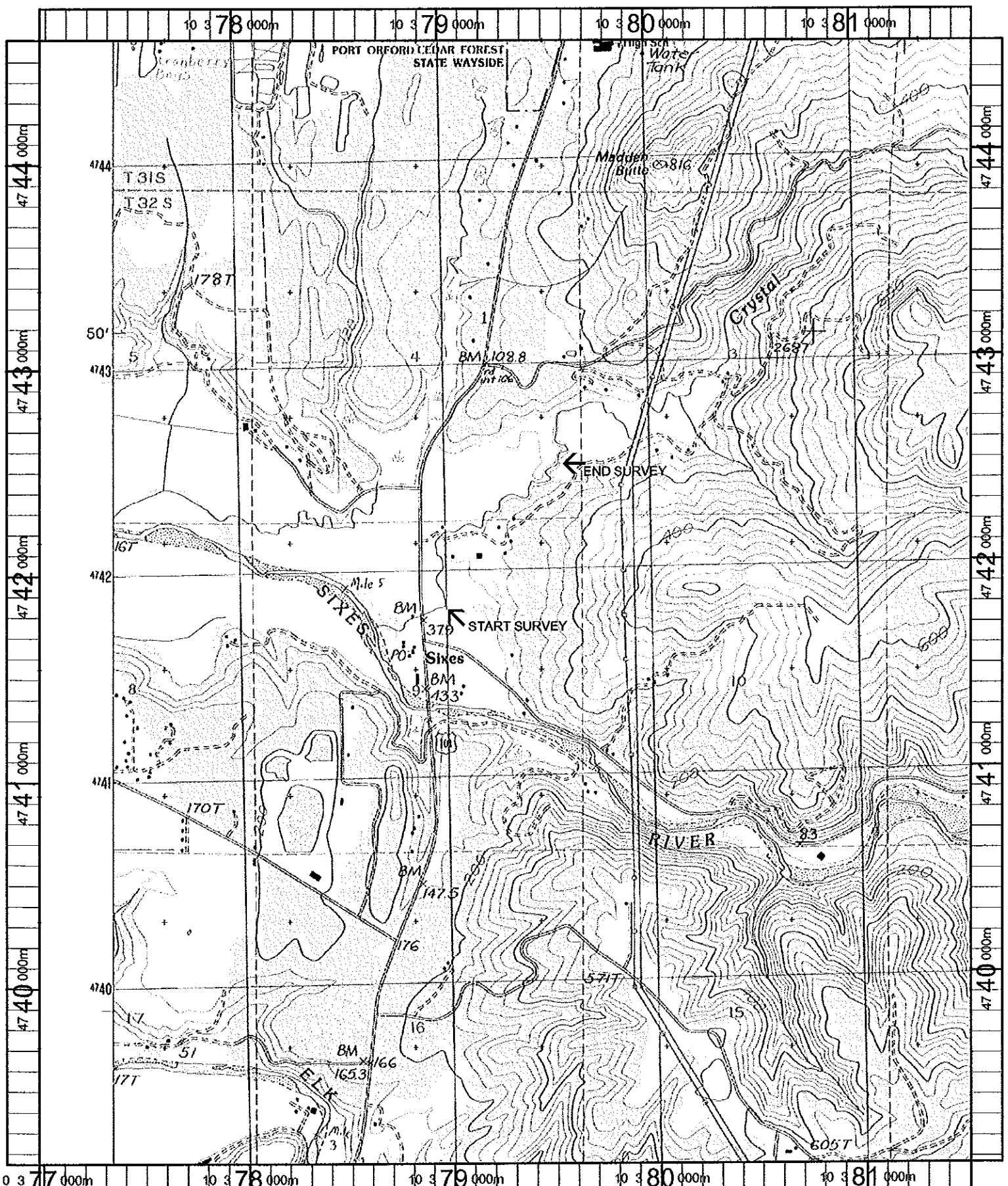
All Pools	<u>Total</u>	<u>#/Km</u>
	31	25.2
Pools ≥1m deep:	21	17.1
Complex pools (LWD pieces≥3):	2	1.6
Pool Frequency (channel widths/pool):	3.5	
Residual pool depth (avg)	0.98m	

STREAM SUMMARY

CRYSTAL 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	1,232	6.5	0.94	8,199	4	39	48	6	1	1	26

Habitat Group	Wetted Area	
	(m ²)	Percent
Scour Pool	6,707	81.8
Backwater Pools	0	0.0
Glide	463	5.6
Riffle	1,029	12.5
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



Name: SIXES
 Date: 11/8/100
 Scale: 1 Inch equals 2000 feet

Location: 10 379185 E 4741823 N
 Caption: CRYSTAL CREEK RESTORATION SITE - SIXES BASIN