

REACH 1

T32S-R15W-9NE

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

Valley Width Index avg: 20.0 range: 20.0-20.0

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	1,208	9,794	0
Secondary	91	214	0

Channel Dimensions(m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	7.4	Width	11.5		16.9		19.6
Depth	1.11	Height	0.8		1.6		2.1
		W:D ratio	14.7	Entrenchment	1.5		

Stream Flow Type: HF Water Temp: 8.0-8.0°C
 Avg. Unit Gradient: 0.5% Habitat Units/100m: 3.2

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	HG	
Riparian Vegetation:	G	

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)	41	3.4
Volume (m ³)	50	4.2
Key pieces (≥10m x 0.6m)	3	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
GLIDE	7	281	6.5	0.74	1,886	0	20	21	59	0	1	0
POOL-BACKWATER	4	55	2.5	0.70	152	0	81	6	13	0	0	0
POOL-LATERAL SCOUR	17	538	8.9	1.53	4,674	0	16	36	47	0	1	0
POOL-STRAIGHT SCOUR	7	192	7.1	1.36	1,600	0	34	26	40	0	0	0
RIFFLE	5	149	7.9	0.46	1,132	0	3	20	76	1	0	0
RIFFLE W/ POCKETS	2	84	6.8	0.52	563	0	3	13	85	0	0	0
Total:	42	1,298	7.4	1.11	10,008	0	Avg:24	26	50	0	0	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	4	55	2.5	0.70	152	1.52	0	0.0
Scour Pools	24	730	8.4	1.48	6,275	62.70	0	0.0
Glides	7	281	6.5	0.74	1,886	18.84	0	0.0
Riffles	7	233	7.6	0.48	1,695	16.94	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>	28	<u>#/Km</u>	21.6
Pools ≥1m deep:		23		17.7
Complex pools (LWD pieces ≥3):		4		3.1
Pool Frequency (channel widths/pool):		4.0		
Residual pool depth (avg)		1.08m		

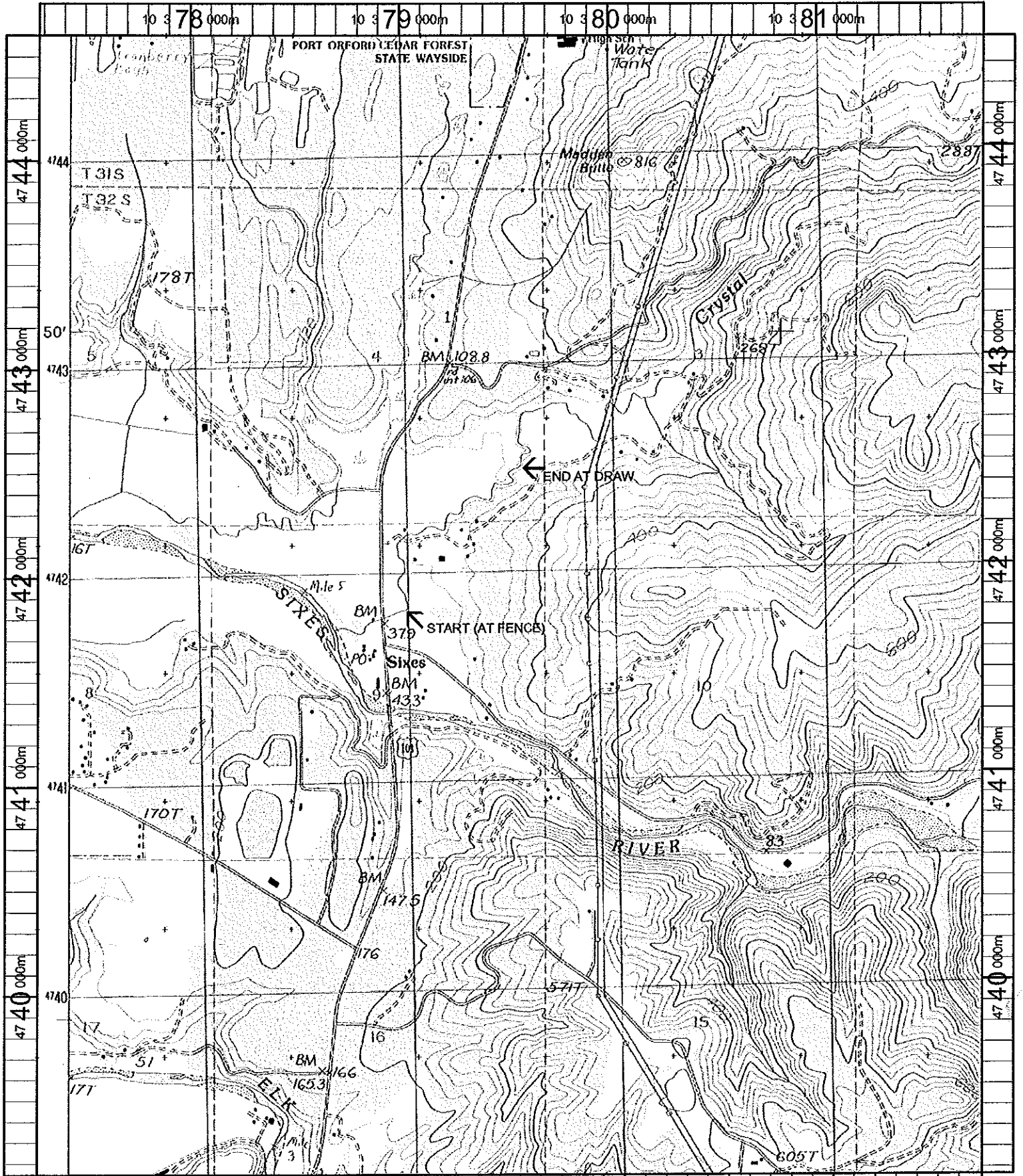
STREAM SUMMARY

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	
42	1,298	7.4	1.11	10,008	24	26	50	0	0	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	6,275	62.7
Backwater Pools	152	1.5
Glide	1,886	18.8
Riffle	1,695	16.9
Rapid	0	0.0
Cascade	0	0.0
Step	0	0.0
Dry	0	0.0



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

Location: 10 379391 E 4741820 N
 Caption: CRYSTAL CREEK RESTORATION SITE - SIXES BASIN