

REACH 1

T13S-R7N-S28SW

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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	0
Open V-shape	0	Wide Floodplain	100

Valley Width Index avg: 6.0 range: 6.0-6.0

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	554	2,518	0
Secondary	239	547	1

Channel Dimensions (m)

	<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>
Width	3.9	Width	9.1		36.9		20.2
Depth	0.52	Height	0.5		1.0		1.2
		W:D ratio	17.6	Entrenchment	3.9		

Stream Flow Type: HF Water Temp: 0.0-0.0°C
 Avg. Unit Gradient: 1.2% Habitat Units/100m: 8.7

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D15	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)	66	11.9
Volume (m ³)	148	26.6
Key pieces (≥10m x 0.6m)	8	1.4

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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	2	23	5.1	0.43	117	0	0	0	27	32	42	0
CULVERT CROSSING	1	16	1.4	0.50	22	0	0	50	50	0	0	0
GLIDE	1	18	5.9	0.40	107	0	50	30	20	0	0	0
POOL-ALCOVE	2	59	0.9	0.35	32	0	55	30	15	0	0	0
POOL-BACKWATER	3	16	3.4	0.64	54	0	63	17	13	3	3	0
POOL-DAMMED	1	8	11.2	1.20	87	0	11	22	33	33	0	0
POOL-ISOLATED	1	5	2.8	0.40	15	0	100	0	0	0	0	0
POOL-LATERAL SCOUR	19	232	4.4	0.71	1,009	0	2	10	44	33	11	0
POOL-PLUNGE	2	15	7.7	1.09	110	0	0	10	53	25	13	0
POOL-STRAIGHT SCOUR	7	58	3.8	0.91	256	0	10	6	38	32	12	1
PUDDLED CHANNEL	1	17	0.2	0.05	3	0	0	50	25	25	0	0
RAPID/BOULDERS	7	97	3.9	0.29	362	0	0	11	30	37	22	0
RIFFLE	15	214	3.9	0.29	850	0	9	4	48	25	12	1
STEP/BEAVER DAM	1	8	1.5	0.30	11	0	70	0	30	0	0	0
STEP/BOULDERS	1	4	5.1	0.30	22	0	0	0	50	50	0	0
STEP/LOG	3	2	2.9	0.17	6	0	23	10	33	33	0	0
STEP/STRUCTURE	1	1	1.4	0.40	1	0	0	50	50	0	0	0
Total:	68	792	4.0	0.53	3,066	0	Avg:13	11	39	27	11	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	88	3.7	0.60	188	6.15	0	0.0
Scour Pools	28	304	4.5	0.79	1,375	44.86	0	0.0
Glides	1	18	5.9	0.40	107	3.50	0	0.0
Riffles	15	214	3.9	0.29	850	27.71	0	0.0
Rapids	7	97	3.9	0.29	362	11.81	0	0.0
Cascades	2	23	5.1	0.43	117	3.83	0	0.0
Step/Falls	6	15	2.8	0.25	40	1.30	0	0.0
Dry	1	17	0.2	0.05	3	0.11	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	35	<u>#/Km</u>	44.2
Pools ≥1m deep:		6		7.6
Complex pools (LWD pieces ≥3):		7		8.8
Pool Frequency (channel widths/pool):		2.5		
Residual pool depth (avg)				0.39m

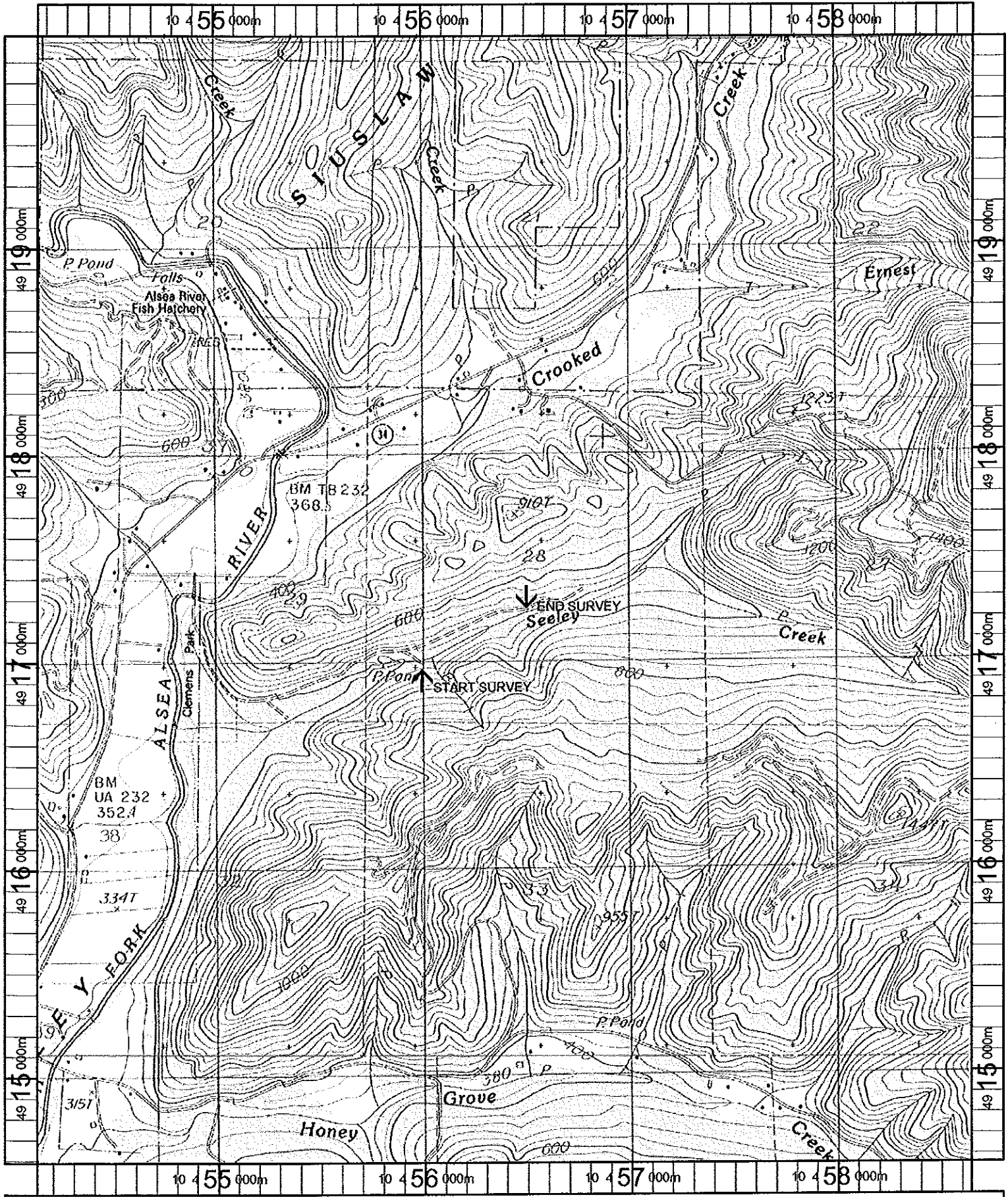
STREAM SUMMARY

SEELY CREEK #2 (UPPER)

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	
68	792	4.0	0.53	3,066	13	11	39	27	11	0	0

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	1,375	44.9
Backwater Pools	188	6.1
Glide	107	3.5
Riffle	850	27.7
Rapid	362	11.8
Cascade	117	3.8
Step	40	1.3
Dry	3	0.1



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

Location: 10 456301 E 4917279 N
 Caption: SEELEY CREEK (UPPER) RESTORATION SITE - ALSEA BASIN