

**Longitudinal Profiles in Tributary Deltas - Packwood Lake**  
**Field data collected 10/05**

**SE Trapp**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
17.5	2860.07	0.3	2860.37		
0	2858.05	0.25	2858.3	Full Pool	0.115429
-21.5	2854.21	0.05	2854.26		0.178605
-32.7	2851.06	0.2	2851.26	Drawdown	0.28125
-38.5	2848.99	2.05	2851.04	zone	0.356897

Based on Thalweg Elevation Incremental		
Elev	Interpolated Station (ft)	Distance Exposed (ft)
2858	0	
2856.5	-9	8
2855.5	-14	6

Distance exposed between 2855.5 and 2856.5

**Mueller Creek**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
249	2858.9	0.9	2859.8		
188	2857.65	1	2858.65		0.020492
164	2856.51	1.3	2857.81		0.0475
146	2856.99	0.2	2857.19		-0.026667
130	2856.6	0.5	2857.1		0.024375
112	2856.29	0.6	2856.89		0.017222
97	2854.95	2	2856.95		0.089333
66	2856.35	0.4	2856.75		-0.045161
61	2855.66	0.9	2856.56		0.138
42	2855.26	1.3	2856.56		0.021053
-8	2855.65	0.7	2856.35		-0.0078
-14	2854.79	1	2855.79		0.143333
-29	2855.17	0.7	2855.87		-0.025333
-30	2852.44	2.6	2855.04		2.73
-52	2853.77	1	2854.77		-0.060455
-58	2853.11	0.8	2853.91		0.11
-80	2850.8	2.5	2853.3		0.105
-82	2852.4	0.4	2852.8		-0.8

Based on Thalweg Elevation Incremental		
Elev	Interpolated Station (ft)	Distance Exposed (ft)
2858	205	
2856.5	124	81
2855.5	103	21

Distance exposed between 2855.5 and 2856.5

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-86	2851.16	1.2	2852.36	0.31
-100	2850.16	1.2	2851.36	0.071429
-150	2850.27	0.8	2851.07	-0.0022
-200	2849.84	1	2850.84	0.0086
-250	2848.93	2	2850.93	0.0182

**Trapp Creek**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
30	2859.59	0.2	2859.79		
19	2858.65	0.2	2858.85		0.085455
14	2858.3	0.3	2858.6		0.07
0	2857.53	0.1	2857.63		0.055
-25	2855.77	0.2	2855.97		0.0704
-46	2854.7	0.1	2854.8		0.050952
-80	2852.44	0.1	2852.54		0.066471
-100	2851.17	0.1	2851.27		0.0635
-125	2849.1	2	2851.1		0.0828

Based on Thalweg Elevation		
Elev	Interpolated Station (ft)	Incremental Distance Exposed (ft)
2858	9	
2856.5	-15	23
2855.5	-30	16

Distance exposed between 2855.5 and 2856.5

**Lake Creek - Right Channel**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
291	2858.11	0.1	2858.21		
200	2854.26	0.25	2854.51		0.042308
160	2853.85	0.45	2854.3		0.01025
120	2852.81	0.6	2853.41		0.026
100	2853.25	0.3	2853.55		-0.022
65	2852.62	0.5	2853.12		0.018
10	2852.72	0.25	2852.97		-0.001818
-50	2852.1	0.3	2852.4		0.010333

Based on Thalweg Elevation		
Elev	Interpolated Station (ft)	Incremental Distance Exposed (ft)
2858	290	
2856.5	253	37
2855.5	229	24

Distance exposed between 2855.5 and 2856.5

**Longitudinal Profiles in Tributary Deltas - Packwood Lake**

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-100	2849.59	0.15	2849.74	0.0502
-300	2849.37	0.75	2850.12	0.0011
-400	2847.87	2	2849.87	0.015

**Lake Creek - Left Channel**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
650	2859.02	1.94	2860.96		
552	2858.48	1.58	2860.06		0.00551
417	2857.14	1.81	2858.95		0.009926
336	2853.94	3.7	2857.64		0.039506
250	2853.95	1.6	2855.55		-0.000116
242	2854.71	2.71	2857.42		-0.095
200	2853.77	0.6	2854.37		0.022381
137	2853.89	1	2854.89		-0.001905
123	2853.58	3.85	2857.43		0.022143
110	2852.89	2	2854.89		0.053077
77	2853.93	0.6	2854.53		-0.031515
75	2853.14	1.4	2854.54		0.395
50	2853.33	1.2	2854.53		-0.0076
10	2853.64	0.7	2854.34		-0.00775
5	2852.48	0.7	2853.18		0.232
-7	2852.14	0.8	2852.94		0.028333
-65	2851.63	0.9	2852.53		0.008793
-85	2851.69	0.65	2852.34		-0.003
-120	2850.99	0.9	2851.89		0.02
-151	2850.74	0.81	2851.55		0.008065
-176	2850.15	1.1	2851.25		0.0236
-220	2850.08	1.2	2851.28		0.001591
-270	2849.89	0.65	2850.54		0.0038
-325	2849.75	0.5	2850.25		0.002545
-401	2849.14	0.9	2850.04		0.008026

**Based on Thalweg  
Elevation**

Elev	Interpolated Station (ft)	Incremental Distance Exposed (ft)
2858	504	
2856.5	401	103
2855.5	375	25

Distance exposed between 2855.5 and 2856.5

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**Field data collected 10/05**

**Crawford Creek**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
0	2858.17				
-3	2858.01				0.053333
-7	2856.2				0.4525
-10.8	2856.87				-0.176316
-15	2856.38				0.116667
-19	2856.23				0.0375
-23	2856.19				0.01
-25	2855.83				0.18
-30	2855.69				0.028
-37	2854.87				0.117143
-41	2854.73				0.035
-44	2854.34				0.13
-49	2854.38				-0.008
-58	2853.97				0.045556
-78	2853.56				0.0205
-117	2850.55				0.077179
-121	2849.79				0.19
-126	2850.53				-0.148

Based on Thalweg Elevation		
Elev	Interpolated Station (ft)	Incremental Distance Exposed (ft)
2858	-3	
2856.5	-14	11
2855.5	-32	18

Distance exposed between 2855.5 and 2856.5

**Osprey Creek**

Station	Thalweg Elevation	Depth	Water Elevation	Notes	Gradient
70	2859.23	0.32	2859.55		
46	2858.81	0.18	2858.99		0.0175
29.7	2858.11	0.44	2858.55		0.042945
18.8	2857.51	0.58	2858.09		0.055046

Based on Thalweg Elevation		
Elev	Interpolated Station (ft)	Incremental Distance Exposed (ft)
2858	28	
2856.5	-16	44
2855.5	-38	21

Distance exposed between 2855.5 and 2856.5

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Field data collected 10/05

13	2857.82	0.2	2858.02	-0.053448
0	2857.28	0.1	2857.38	0.041538
-8.5	2856.8	0.37	2857.17	0.056471
-23	2856.24	0.37	2856.61	0.038621
-30.7	2855.66	0.5	2856.16	0.075325
-31.4	2855.27	0.54	2855.81	0.557143
-37	2855.48	0.39	2855.87	-0.0375
-39.9	2855.22	0.28	2855.5	0.089655
-41.4	2854.2	0.98	2855.18	0.68
-51	2853.27	0.76	2854.03	0.096875
-53.2	2853.27	0.52	2853.79	0
-60.7	2853.3	0.21	2853.51	-0.004
-62	2852.58	0.34	2852.92	0.553846
-66.8	2850.08	0.8	2850.88	0.520833
-76.3	2850.45	0.66	2851.11	-0.038947
-77.2	2850.01	0.66	2850.67	0.488889
-89	2850.3	0.12	2850.42	-0.024576
-95.7	2849.95	0.48	2850.43	0.052239
-100	2848.06	2.46	2850.52	0.439535