Supplementary Data: CROSS-SECTIONAL ELEVATION DATA

Table S1: Channel Cross-section Data from the Field

Station	Distance between points (m)	Cumulative Distance (m)	Height (m)
ST26	0	0	676.874
	2.4	2.4	676.691
	1.22	3.62	675.842
	1.51	5.13	674.995
	4.7	9.83	675.868
	1.21	11.04	676.505
	5.12	16.16	677.449
ST25	0	0	676.377
	2.21	2.21	674.981
	3.7	5.91	674.824
	1.36	7.27	674.443
	5.33	12.6	674.976
	2.74	15.34	675.54
	2.29	17.63	676.301
	2.71	20.34	676.816
ST24	0	0	679.639
	5.86	5.86	678.534
	4.64	10.5	676.47
	3.81	14.31	672.967
	2.88	17.19	674.772
	3.07	20.26	674.923
	2.68	22.94	678.611
	3.2	26.14	678.865
ST23	0	0	677.649
	4.94	4.94	676.288
	5.21	10.15	674.027
	6.31	16.46	670.828
	1.4	17.86	674.999
	6.18	24.04	676.791
	3.7	27.74	676.856
ST22	0	0	668.904
	4.48	4.48	668.79
	4.96	9.44	668.539
	1.38	10.82	667.582
	1.52	12.34	668.293
	2.1	14.44	668.716
	1.85	16.29	669.36
	4.64	20.93	669.806

ST21	0	0	668.731
	3.89	3.89	668.134
	5.16	9.05	667.116
	5.04	14.09	666.44
	1.81	15.9	666.538
	1.72	17.62	667.542
	2.61	20.23	668.112
	1.95	22.18	668.378
ST20	0	0	667.834
	1.65	1.65	666.786
	2.49	4.14	666.82
	2.23	6.37	665.52
	8.45	14.82	665.821
	0.8	15.62	667.031
	1.75	17.37	667.076
ST19	0	0	667.27
	4.65	4.65	666.284
	0.95	5.6	665.038
	2.59	8.19	665.015
	1.87	10.06	665.043
	2.09	12.15	666.036
	5.29	17.44	666.833
ST18	0	0	665.961
	4.67	4.67	665.529
	1.27	5.94	665.518
	1.44	7.38	664.294
	8.92	16.3	664.582
	0.99	17.29	665.683
	2.24	19.53	666.022
	3.43	22.96	666.977
ST17	0	0	666.011
	2.33	2.33	665.774
	2.48	4.81	665.229
	1.89	6.7	664.238
	9.81	16.51	664.363
	1.06	17.57	665.051
	3.58	21.15	664.963
	9.02	30.17	665.286
ST16	0	0	665.694
	3.42	3.42	665.168
	4.05	7.47	664.845

	1.41	8.88	664.227
	1.15	10.03	664.045
	2.37	12.4	664.845
	2.48	14.88	665.013
	5.84	20.72	665.233
ST15	0	0	665.538
	2.89	2.89	665.354
	4.22	7.11	664.163
	3.68	10.79	663.168
	1.4	12.19	663.505
	1.7	13.89	664.293
	3.8	17.69	664.406
ST14	0	0	664.499
	1.91	1.91	664.368
	5.78	7.69	663.66
	2.61	10.3	662.507
	1.71	12.01	663.729
	1.96	13.97	664.491
	5.31	19.28	665.065
ST13	0	0	663.411
	5.76	5.76	662.748
	4.1	9.86	662.559
	1.93	11.79	661.241
	1.51	13.3	662.351
	2.16	15.46	662.991
	3.55	19.01	663.26
	1.2	20.21	663.629
ST12	0	0	663.917
	2.59	2.59	662.396
	2.22	4.81	662.132
	2.61	7.42	660.577
	1.55	8.97	661.201
	1.86	10.83	662.116
	1.99	12.82	662.814
	2.38	15.2	663.436
ST11	0	0	662.578
	6.19	6.19	661.569
	5.42	11.61	661.317
	3.69	15.3	660.046
	1.57	16.87	660.172
	3.23	20.1	660.59

	6.6	26.7	662.133
	4.82	31.52	662.233
ST10	0	0	661.022
	0.76	0.76	660.735
	1.41	2.17	660.259
	1.48	3.65	659.674
	6.68	10.33	659.318
	1.18	11.51	659.938
	2.33	13.84	660.311
	1	14.84	660.353
ST9	0	0	660.024
	1.51	1.51	659.616
	1.28	2.79	659.243
	0.74	3.53	658.944
	6.78	10.31	658.552
	0.64	10.95	658.803
	1.06	12.01	659.429
	3.82	15.83	659.91
ST8	0	0	660.617
	7.15	7.15	659.944
	1.73	8.88	659.596
	1.47	10.35	658.826
	2.07	12.42	658.468
	1.37	13.79	658.959
	2.82	16.61	660.005
	2.02	18.63	660.124
ST7	0	0	659.271
	3.01	3.01	659.024
	2.06	5.07	658.856
	1.48	6.55	657.868
	1.48	8.03	657.777
	1.06	9.09	658.474
	1.97	11.06	658.864
	3.15	14.21	659.032
ST6	0	0	658.648
	4.62	4.62	657.962
	1.41	6.03	657.816
	0.77	6.8	657.047
	1.4	8.2	656.617
	1.78	9.98	658.394
	1.76	11.74	658.365

	1.77	13.51	658.413
ST5	0	0	658.675
	1.77	1.77	657.942
	2.01	3.78	657.684
	1.54	5.32	656.895
	1.03	6.35	657.009
	1.51	7.86	657.944
	0.89	8.75	658.138
	0.86	9.61	658.356
ST4	0	0	658.089
	4.33	4.33	657.946
	4.35	8.68	656.972
	1.46	10.14	656.755
	1.38	11.52	656.804
	0.93	12.45	657.734
	2.59	15.04	658.066
	1.71	16.75	658.258
ST3	0	0	658.484
	4.86	4.86	658.168
	4.95	9.81	657.688
	2.42	12.23	656.006
	5.14	17.37	657.632
	0.93	18.3	658.286
	2.45	20.75	658.364
ST2	0	0	658.971
	2.98	2.98	658.763
	2.33	5.31	658.055
	3.59	8.9	657.398
	8.05	16.95	657.097
	9.58	26.53	657.636
	2.95	29.48	658.061
	4.05	33.53	658.717
ST1	0	0	659.395
	1.36	1.36	658.827
	7.43	8.79	658.214
	7.68	16.47	657.667
	6.46	22.93	656.67
	3.24	26.17	656.485
	2.4	28.57	656.334
	3.75	32.32	655.681
	3.54	35.86	655.475

	2.05	37.91	655.451
	8.71	46.62	655.367
	2.15	48.77	655.928
	2.51	51.28	656.314
	9.2	60.48	657.717
	7.64	68.12	658.026
	4.37	72.49	658.563

Table S2: Reach Lengths

Upstream profile	Downstream profile	Distance between proflies
26	25	9.8
25	24	41.7
24	23	50
23	22	61.5
22	21	50
21	20	50
20	19	50
19	18	50
18	17	50
17	16	50
16	15	50
15	14	50
14	13	50
13	12	50
12	11	50
11	10	50
10	9	50
9	8	38
8	7	50
7	6	50
6	5	50
5	4	50
4	3	50
3	2	50
2	1	50
1	0	68.3
Total		1269.3