

APPENDIX B:

Estimated and Observed
Channel Properties

Table B-1. Estimated vs. observed channel properties of LiDAR-sampled reaches

Station s	Drainag e Area (miles ²)	Slope	Mainstem or Tributary	Observed LiDAR		From Equation	
				Width (m)	Depth (m)	Width (m)	Depth (m)
1030	757.718	0.139	Trib	56.78	2.64	58.56	1.85
1060	6.649	0.052	Trib	9.46	1.22	13.6	0.48
1070	693.979	0.022	Main	55	1.85	56.99	1.8
1080	0.196	0.012	Trib	3.5	0.1	4.59	0.18
1100	642.925	0.03	Main	41.76	0.91	55.66	1.76
1110	637.902	0.015	Main	42.63	0.91	55.53	1.76
1120	636.726	0.013	Main	58.73	1.83	55.5	1.76
1130	635.517	0.014	Main	51.04	0.91	55.47	1.76
1140	634.857	0.027	Main	39.36	1	55.45	1.76
1150	266.459	0.025	Trib	51.58	1.04	42.43	1.37
1160	265.316	0.013	Trib	34.14	0.61	42.37	1.37
1170	183.303	0.034	Trib	22.9	1.22	37.81	1.23
1430	65.918	0.039	Trib	24.28	0.61	27.58	0.92
1440	60.448	0.072	Trib	21.51	1.56	26.85	0.9
1450	0.292	0.06	Trib	8.43	0.31	5.19	0.2
1580	0.294	0.006	Trib	9.53	0.09	5.2	0.2
1600	1.426	0.004	Trib	17.4	0.3	8.46	0.31
1610	1.056	0.004	Trib	8.6	0.21	7.71	0.28
1620	363.927	0.029	Main	42.15	1.3	46.71	1.5
1700	229.092	0.029	Main	22.68	0.63	40.5	1.32
1710	227.699	0.004	Main	47.98	1.25	40.42	1.31
1720	10.604	0.025	Trib	31.72	0.3	15.7	0.55
1730	217.005	0.01	Main	33.3	1.07	39.82	1.3
1740	216.452	0.025	Main	77	1.74	39.79	1.29
1750	205.671	0.036	Main	39.9	1.31	39.17	1.28
1760	204.2	0.046	Main	42.06	0.76	39.08	1.27
1770	203.298	0.04	Main	39.95	1.45	39.03	1.27
1780	10.378	0.01	Trib	9.43	0.43	15.6	0.55
1820	4.358	0.006	Trib	8.23	0.48	11.94	0.43
1830	190.134	0.021	Main	43.14	1.77	38.23	1.25
1840	54.378	0.026	Main	34.14	1.05	25.99	0.87
1850	54.265	0.052	Main	29.04	1.07	25.98	0.87
1860	52.339	0.033	Main	32.8	0.73	25.69	0.86
1870	33.539	0.059	Main	23.17	1.68	22.39	0.76
1900	27.542	0.018	Main	23.32	1.43	21.07	0.72
1920	23.768	0.081	Main	40	0.61	20.14	0.69
1990	12.805	0.064	Main	9.8	0.47	16.64	0.58
2000	0.199	0.095	Trib	4.4	0.21	4.61	0.18
2010	135.594	0.004	Trib	28.44	1.72	34.45	1.13
2020	3.653	0.004	Trib	8.16	0.32	11.31	0.4
2050	3.106	0.023	Trib	8.48	0.42	10.75	0.39
2090	131.9	0.052	Trib	36.57	1.65	34.16	1.12
2100	128.812	0.07	Trib	44.72	2.36	33.91	1.12
2110	126.3	0.04	Trib	34.76	0.91	33.7	1.11
2160	74.253	0.013	Trib	26.63	0.61	28.61	0.95

Station s	Drainag e Area (miles ²)	Slope	Mainstem or Tributary	Observed LiDAR		From Equation	
				Width (m)	Depth (m)	Width (m)	Depth (m)
2180	71.637	0.02	Trib	19.1	0.46	28.3	0.94
2190	23.624	0.065	Trib	25.3	1.29	20.1	0.69
2200	34.531	0.053	Trib	44	1.37	22.6	0.77
2250	13.07	0.062	Trib	13.61	0.91	16.75	0.58
2270	21.437	0.067	Trib	26.6	1.22	19.51	0.67
2280	0.296	0.022	Trib	5.88	0.24	5.21	0.2
2290	8.92	0.039	Trib	13.16	0.88	14.89	0.52
2300	0.377	0.023	Trib	8.13	0.09	5.61	0.21
2310	0.253	0.035	Trib	3.4	0.11	4.97	0.19
2320	0.677	0.011	Trib	4.68	0.12	6.72	0.25
2330	41.034	0.011	Trib	29.46	0.94	23.83	0.81
2370	51.141	0.059	Trib	18.23	1.22	25.51	0.86
2380	51.012	0.077	Trib	24.61	2.14	25.49	0.86
2390	11.972	0.035	Trib	9.07	0.7	16.3	0.57
2450	20.518	0.035	Trib	17.95	1.35	19.25	0.66
2460	7.813	0.08	Trib	9.26	0.98	14.29	0.5
2470	12.424	0.109	Trib	10.56	0.44	16.49	0.57