

Appendix 4

RESULTS OF CONTINUOUS IN SITU WATER QUALITY TESTING

Table A4.1: Results from Continuous *In Situ* Water Quality Testing - Station 5.

Position	Time	Water Depth (m)	Speed (cm/s)	Direction (°)	Temperature (°C)	Salinity (ppt)	D.O. (% sat)	D.O. (mg/L)	pH (pH units)	Silt (NTU)
5	13:18	3.2	9.0	340.0	18.39	32.23	116.82	8.60	8.16	14.84
5	14:15	3.2	10.0	81.1	18.90	31.85	113.74	8.29	8.17	8.31
5	15:15	3.4	10.0	85.6	19.30	31.76	126.68	9.05	8.21	14.74
5	16:15	3.8	5.6	193.0	18.80	32.23	127.17	9.44	8.20	3.89
5	17:15	4.0	4.0	270.0	18.61	32.13	126.37	9.20	8.16	7.80
5	18:15	4.3	6.3	330.0	18.66	32.04	121.11	8.72	8.13	3.69
5	19:15	4.6	9.0	260.0	18.56	32.13	118.53	8.16	8.10	3.18
5	20:15	4.4	22.0	183.0	18.24	32.23	116.85	8.39	8.06	5.69
5	21:16	4.4	9.0	258.0	18.18	32.23	114.97	8.27	8.01	5.49
5	22:17	4.0	8.0	191.0	18.06	32.23	109.43	7.79	7.99	5.80
5	23:15	4.0	11.0	74.0	18.08	32.23	106.77	7.53	7.97	12.83
5	00:15	3.2	6.0	16.0	18.07	32.23	107.28	7.54	7.95	14.54
5	01:15	2.9	7.5	340.0	17.99	32.23	104.53	7.42	7.89	3.79
5	02:15	2.8	10.5	340.0	17.94	32.23	103.75	7.50	7.94	6.80
5	03:15	2.6	2.5	20.0	17.50	32.23	103.18	7.29	7.92	8.61
5	04:15	2.6	14.5	20.0	17.71	32.23	101.91	7.21	7.90	10.22
5	05:15	2.7	4.9	200.0	17.61	32.32	102.62	7.12	7.89	7.40
5	06:15	3.0	6.5	270.0	17.72	32.23	104.20	7.22	7.86	5.69
5	07:15	3.2	8.5	15.0	17.83	32.23	104.51	7.25	7.83	6.40
5	08:14	3.5	5.0	262.0	17.69	32.23	101.97	7.07	7.79	4.79
5	09:14	3.3	8.0	186.0	17.72	32.23	102.38	7.13	7.77	9.81
5	10:15	3.6	21.0	251.0	17.63	32.13	102.59	7.06	7.83	7.40
5	11:15	3.4	27.0	185.0	18.11	32.23	110.64	7.44	7.80	3.18
5	12:15	3.1	11.0	194.0	18.17	32.32	112.50	7.67	7.79	23.88
5	13:15	3.1	7.0	98.0	18.22	32.23	110.65	7.40	7.76	7.80
5	14:15	3.0	28.0	86.0	18.47	32.23	119.16	7.93	7.77	10.62

Table A4.2: Results from Continuous *In Situ* Water Quality Testing - Station 6.

Position	Time	Water Depth (m)	Speed (cm/s)	Direction (°)	Temperature (°C)	Salinity (ppt)	D.O. (% sat)	D.O. (mg/L)	pH (pH units)	Silt (NTU)
6	13:15	1.4	1.5	270.0	18.58	32.13	118.92	8.76	8.19	7.80
6	14:18	1.4	8.5	279.0	19.02	32.04	120.51	8.76	8.22	9.01
6	15:20	1.7	3.5	269.0	19.10	32.13	130.55	9.31	8.25	9.31
6	16:18	2.1	7.6	220.0	18.98	32.23	131.64	9.46	8.20	6.30
6	17:18	2.1	6.3	190.0	18.86	32.23	118.72	8.55	8.14	5.80
6	18:17	2.2	6.3	160.0	18.74	32.23	123.89	8.78	8.10	3.08
6	19:20	2.3	14.0	79.0	18.60	32.13	119.32	8.67	8.09	2.78
6	20:24	2.4	13.0	122.0	18.57	32.13	113.46	8.06	8.07	8.41
6	21:26	2.3	13.0	102.0	18.54	32.23	119.21	8.47	8.06	6.40
6	22:28	1.5	6.0	104.0	18.41	32.23	119.51	8.43	8.06	3.79
6	23:25	1.5	3.0	134.0	18.40	32.23	114.77	8.02	8.01	4.49
6	00:24	1.1	7.0	93.0	18.26	32.23	116.16	8.16	8.01	3.89
6	01:18	0.7	7.3	232.0	18.27	32.04	104.23	7.29	7.99	10.02
6	02:18	0.6	4.5	75.0	18.15	32.04	103.95	7.17	7.96	12.02
6	03:21	0.5	3.5	105.0	18.10	31.76	99.23	6.87	7.90	10.82
6	04:18	0.7	10.5	100.0	17.82	31.76	98.95	6.91	7.87	9.11
6	05:19	0.9	3.8	90.0	17.84	31.85	97.20	6.72	7.84	9.91
6	06:25	1.0	15.0	100.0	17.58	31.95	96.42	6.75	7.81	8.61
6	07:18	1.2	10.0	97.0	17.34	32.23	100.09	6.95	7.86	8.71
6	08:19	1.5	6.0	100.0	17.60	32.23	104.83	7.54	7.96	10.72
6	09:24	1.5	2.0	337.0	17.73	32.32	102.07	7.09	7.78	4.79
6	10:21	1.5	2.0	46.0	18.05	32.13	104.84	7.12	7.78	6.50
6	11:22	1.5	11.0	130.0	18.14	32.23	114.44	7.68	7.83	9.41
6	12:24	1.4	3.0	65.0	18.50	32.13	107.89	7.38	7.81	17.85
6	13:23	1.2	4.0	78.0	18.68	32.23	119.34	7.97	7.80	9.41
6	14:23	1.2	4.0	80.0	19.14	32.23	120.22	8.09	7.78	18.96

Table A4.3: Results from Continuous *In Situ* Water Quality Testing - Station 8.

Time	Temperature (°C)	Salinity (ppt)	Time	Temperature (°C)	Salinity (ppt)	Time	Temperature (°C)	Salinity (ppt)
10:49:59	18.66	32.03	20:19:59	19.76	32.2	5:49:59	16.99	31.93
11:00:00	18.73	32.03	20:30:00	19.6	32.08	6:00:00	16.99	31.93
11:10:01	18.77	32.19	20:40:01	19.49	32.11	6:10:01	16.99	31.93
11:19:59	18.92	32.19	20:49:59	19.38	32.02	6:19:59	16.92	31.92
11:30:00	19.11	32.29	21:00:00	19.3	32.02	6:30:00	16.96	31.89
11:40:01	19.22	32.26	21:10:01	19.22	31.95	6:40:01	16.88	31.95
11:49:59	19.3	32.32	21:19:59	19.15	31.89	6:49:59	16.88	31.95
12:00:00	19.45	32.32	21:30:00	19.07	31.95	7:00:00	16.81	31.88
12:10:01	19.64	32.29	21:40:01	19	31.95	7:10:01	16.81	31.88
12:19:59	19.8	32.48	21:49:59	18.92	31.95	7:19:59	16.74	31.94
12:30:00	19.95	32.47	22:00:00	18.89	31.85	7:30:00	16.7	31.84
12:40:01	20.18	32.41	22:10:01	18.81	31.91	7:40:01	16.63	31.9
12:49:59	20.33	32.41	22:19:59	18.81	31.97	7:49:59	16.59	31.87
13:00:00	20.45	32.44	22:30:00	18.85	32.01	8:00:00	16.56	31.9
13:10:01	20.64	32.47	22:40:01	18.85	32.07	8:10:01	16.56	31.9
13:19:59	20.84	32.43	22:49:59	18.81	31.97	8:19:59	16.56	31.9
13:30:00	20.99	32.37	23:00:00	18.81	32.04	8:30:00	16.56	31.96
13:40:01	21.11	32.51	23:10:01	18.85	32.01	8:40:01	16.63	31.9
13:49:59	21.23	32.48	23:19:59	18.77	32.07	8:49:59	16.67	31.94
14:00:00	21.34	32.39	23:30:00	18.77	32.07	9:00:00	16.74	31.94
14:10:01	21.46	32.53	23:40:01	18.73	32.1	9:10:01	16.81	32.01
14:19:59	21.66	32.56	23:49:59	18.73	31.97	9:19:59	16.85	31.98
14:30:00	21.82	32.55	0:00:00	18.7	32	9:30:00	16.99	31.93
14:40:01	21.93	32.57	0:10:01	18.62	31.88	9:40:01	17.07	32
14:49:59	22.09	32.57	0:19:59	18.55	31.75	9:49:59	17.14	32
15:00:00	22.21	32.59	0:30:00	18.47	31.81	10:00:00	17.29	32.01
15:10:01	22.29	32.64	0:40:01	18.47	31.81	10:10:01	17.4	31.92
15:19:59	22.41	32.61	0:49:59	18.47	32.06	10:19:59	17.54	31.99
15:30:00	22.53	32.46	1:00:00	18.44	32.03	10:30:00	17.66	32.03
15:40:01	22.57	32.43	1:10:01	18.36	32.02	10:40:01	17.8	32.03
15:49:59	22.57	32.43	1:19:59	18.36	32.02	10:49:59	17.95	32.1
16:00:00	22.57	32.43	1:30:00	18.4	32.06	11:00:00	18.1	32.11
16:10:01	22.57	32.43	1:40:01	18.36	32.15	11:10:01	18.29	32.02
16:19:59	22.53	32.46	1:49:59	18.32	31.93	11:19:59	18.4	32.06
16:30:00	22.49	32.49	2:00:00	18.32	32.05	11:30:00	18.58	32.09
16:40:01	22.53	32.4	2:10:01	18.29	31.96	11:40:01	18.73	32.1
16:49:59	22.37	32.47	2:19:59	18.17	32.05	11:49:59	18.96	32.16
17:00:00	22.25	32.44	2:30:00	18.21	32.02	12:00:00	19.15	32.14
17:10:01	22.13	32.42	2:40:01	18.14	32.02	12:10:01	19.34	32.11
17:19:59	21.93	32.34	2:49:59	18.06	32.14	12:19:59	19.53	32.14
17:30:00	21.86	32.4	3:00:00	18.03	32.11	12:30:00	19.72	32.17
17:40:01	21.74	32.38	3:10:01	17.91	32.13	12:40:01	19.95	32.11
17:49:59	21.62	32.35	3:19:59	17.84	31.94	12:49:59	20.1	32.17
18:00:00	21.46	32.36	3:30:00	17.77	31.75	13:00:00	20.26	32.23
18:10:01	21.38	32.36	3:40:01	17.66	31.84	13:10:01	20.41	32.23
18:19:59	21.26	32.45	3:49:59	17.54	31.93	13:19:59	20.53	32.2
18:30:00	21.15	32.48	4:00:00	17.51	31.83	13:30:00	20.68	32.2
18:40:01	21.07	32.43	4:10:01	17.51	31.83	13:40:01	20.84	32.08
18:49:59	20.8	32.52	4:19:59	17.47	31.86	13:49:59	20.91	32.19
19:00:00	20.72	32.46	4:30:00	17.43	31.76	14:00:00	21.03	32.16
19:10:01	20.64	32.41	4:40:01	17.36	31.82	14:10:01	21.19	32.16
19:19:59	20.56	32.35	4:49:59	17.36	31.76	14:19:59	21.34	32.22
19:30:00	20.45	32.32	5:00:00	17.29	31.82	14:30:00	21.42	32.27
19:40:01	20.33	32.41	5:10:01	17.25	31.78	14:40:01	21.54	32.3
19:49:59	20.18	32.29	5:19:59	17.18	31.84	14:49:59	21.7	32.23
20:00:00	20.06	32.38	5:30:00	17.18	31.84	15:00:00	21.82	32.2
20:10:01	19.91	32.26	5:40:01	17.1	31.84	15:10:01	21.86	32.23