

## Appendix D Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1	20181101	Gale	Strong	Mid-Ebb	B	10.6	9:18	7.89	8.14	30.14	24.2	4.54	15	-	-	-
C1	20181101	Gale	Strong	Mid-Ebb	B	10.6	9:18	7.92	8.2	30.08	24.1	4.54	15	-	-	-
C1	20181101	Gale	Strong	Mid-Ebb	M	5.8	9:18	7.95	8.1	30.15	24.1	3.16	14	-	-	-
C1	20181101	Gale	Strong	Mid-Ebb	M	5.8	9:19	7.95	8.18	30.18	24.2	3.18	16	-	-	-
C1	20181101	Gale	Strong	Mid-Ebb	S	1	9:19	7.98	8.06	30.18	24.2	3.23	13	-	-	-
C1	20181101	Gale	Strong	Mid-Ebb	S	1	9:19	8.02	8.07	30.06	24.1	3.23	15	-	-	-
H1	20181101	Gale	Strong	Mid-Ebb	B	7.2	9:57	7.75	8.11	30.18	24.1	5.87	15	-	-	-
H1	20181101	Gale	Strong	Mid-Ebb	B	7.2	9:57	7.77	8.08	30.14	24.1	5.86	14	-	-	-
H1	20181101	Gale	Strong	Mid-Ebb	M	4.1	9:58	7.73	8.14	30.09	24.1	3.87	17	-	-	-
H1	20181101	Gale	Strong	Mid-Ebb	M	4.1	9:58	7.73	8.19	30.08	24.2	3.9	16	-	-	-
H1	20181101	Gale	Strong	Mid-Ebb	S	1	9:58	7.72	8.19	30.14	24.1	2.91	19	-	-	-
H1	20181101	Gale	Strong	Mid-Ebb	S	1	9:59	7.7	8.19	30.1	24.1	2.88	17	-	-	-
CR2	20181101	Gale	Strong	Mid-Ebb	B	7.6	10:22	7.74	8.08	30.1	24.2	5.05	13	-	-	-
CR2	20181101	Gale	Strong	Mid-Ebb	B	7.6	10:22	7.73	8.19	30.12	24.1	5.04	14	-	-	-
CR2	20181101	Gale	Strong	Mid-Ebb	M	4.3	10:23	7.74	8.19	30.1	24.1	4.58	13	-	-	-
CR2	20181101	Gale	Strong	Mid-Ebb	M	4.3	10:23	7.74	8.1	30.06	24.2	4.54	13	-	-	-
CR2	20181101	Gale	Strong	Mid-Ebb	S	1	10:24	7.74	8.18	30.09	24.1	3.23	14	-	-	-
CR2	20181101	Gale	Strong	Mid-Ebb	S	1	10:24	7.74	8.06	30.09	24.1	3.24	14	-	-	-
CR1	20181101	Gale	Strong	Mid-Ebb	B	7.6	10:43	7.78	8.14	30.17	24.2	5.23	16	-	-	-
CR1	20181101	Gale	Strong	Mid-Ebb	B	7.6	10:44	7.78	8.08	30.16	24.2	5.25	15	-	-	-
CR1	20181101	Gale	Strong	Mid-Ebb	M	4.3	10:44	7.79	8.12	30.19	24.2	3.9	15	-	-	-
CR1	20181101	Gale	Strong	Mid-Ebb	M	4.3	10:45	7.77	8.12	30.09	24.1	3.87	15	-	-	-
CR1	20181101	Gale	Strong	Mid-Ebb	S	1	10:45	7.75	8.1	30.08	24.1	3.16	15	-	-	-
CR1	20181101	Gale	Strong	Mid-Ebb	S	1	10:45	7.73	8.16	30.09	24.2	3.19	15	-	-	-
C2	20181101	Gale	Strong	Mid-Flood	B	9.2	10:46	7.92	8.09	30.15	24.2	5.75	12	-	-	-
C2	20181101	Gale	Strong	Mid-Flood	B	9.2	10:46	7.89	8.16	30.06	24.1	5.77	12	-	-	-
C2	20181101	Gale	Strong	Mid-Flood	M	5.1	10:46	7.93	8.09	30.06	24.1	4.04	11	-	-	-
C2	20181101	Gale	Strong	Mid-Flood	M	5.1	10:47	7.94	8.13	30.19	24.1	4.04	11	-	-	-
C2	20181101	Gale	Strong	Mid-Flood	S	1	10:47	7.95	8.09	30.13	24.2	3.87	10	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2	20181101	Gale	Strong	Mid-Flood	S	1	10:48	7.99	8.1	30.1	24.2	3.86	10	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Ebb	B	10	9:53	8.23	8.23	31.2	24.3	5.71	10	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Ebb	B	10	9:53	8.23	8.2	31.1	24.3	5.71	10	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Ebb	M	5.5	9:53	8.23	8.25	31.2	24.3	2.56	8	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Ebb	M	5.5	9:54	8.21	8.24	31.09	24.3	2.54	10	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	9:54	8.21	8.26	31.19	24.3	2.91	8	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	9:54	8.2	8.24	31.08	24.3	2.91	8	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Ebb	B	7.8	10:26	7.96	8.27	31.11	24.4	5.66	19	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Ebb	B	7.8	10:26	7.95	8.28	31.02	24.3	5.65	21	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Ebb	M	4.4	10:27	7.92	8.27	31.03	24.3	3.83	12	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Ebb	M	4.4	10:27	7.93	8.23	31.06	24.3	3.84	12	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Ebb	S	1	10:27	7.93	8.29	31.03	24.4	2.11	15	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Ebb	S	1	10:28	7.92	8.18	31.15	24.4	2.13	17	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.4	10:50	7.98	8.29	31.14	24.3	5.9	5	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.4	10:50	8	8.25	31.2	24.3	5.92	4	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.2	10:51	8.02	8.25	31.18	24.4	2.82	4	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.2	10:51	8.01	8.17	31.17	24.4	2.8	5	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	10:52	8.02	8.19	31.17	24.3	2.65	6	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	10:52	8.01	8.16	31.2	24.4	2.64	5	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.8	11:11	8.24	8.19	31.17	24.4	4.84	14	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.8	11:12	8.24	8.19	31.15	24.3	4.82	14	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.4	11:12	8.26	8.24	31.09	24.4	2.87	17	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.4	11:13	8.26	8.2	31.14	24.4	2.85	17	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	11:13	8.22	8.19	31.19	24.3	2.89	21	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	11:13	8.18	8.25	31.06	24.3	2.89	23	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Ebb	B	4.2	11:46	8.08	8.23	31.1	24.3	5.1	9	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Ebb	B	4.2	11:46	8.08	8.27	31.01	24.4	5.1	10	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	11:46	8.07	8.24	31.19	24.3	3.08	10	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	11:47	8.07	8.21	31.09	24.3	3.08	10	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181103	Cloudy	Moderate	Mid-Ebb	B	4.1	12:05	8.1	8.17	31.08	24.4	4.52	11	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Ebb	B	4.1	12:06	8.1	8.24	31.07	24.3	4.5	12	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:06	8.08	8.28	31.2	24.4	3.27	8	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:06	8.03	8.16	31.1	24.4	3.27	7	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Ebb	B	4.5	12:37	7.92	8.27	31.19	24.4	4.42	7	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Ebb	B	4.5	12:37	7.9	8.16	31.18	24.4	4.41	9	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:38	7.88	8.28	31.02	24.4	1.32	12	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:38	7.91	8.26	31.12	24.4	1.3	13	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Ebb	B	4.4	12:45	8.28	8.23	31.18	24.3	5.39	9	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Ebb	B	4.4	12:46	8.27	8.28	31.13	24.3	5.43	10	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:46	8.29	8.24	31.15	24.4	3.17	12	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:46	8.29	8.19	31.18	24.4	3.17	12	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Ebb	B	8.6	12:56	7.94	8.24	31.2	24.3	4.25	12	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Ebb	B	8.6	12:56	7.97	8.26	31.06	24.3	4.22	12	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Ebb	M	5.8	12:57	7.97	8.21	31.05	24.3	2.39	10	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Ebb	M	5.8	12:57	7.96	8.23	31.13	24.4	2.37	10	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:57	7.96	8.21	31.15	24.3	1.27	9	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Ebb	S	1	12:58	7.98	8.19	31.01	24.3	1.29	10	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.6	13:22	8.29	8.16	31.04	24.3	5.27	8	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.6	13:23	8.29	8.28	31.15	24.3	5.26	8	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.3	13:23	8.27	8.3	31.02	24.3	4.81	7	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.3	13:23	8.28	8.25	31.17	24.3	4.79	7	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	13:24	8.28	8.25	31.17	24.3	3.6	8	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	13:24	8.26	8.21	31.04	24.3	3.59	7	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.8	13:51	8.28	8.18	31.11	24.3	5.33	11	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Ebb	B	7.8	13:52	8.27	8.22	31.09	24.3	5.29	12	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.4	13:52	8.26	8.24	31.01	24.4	3.92	11	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Ebb	M	4.4	13:53	8.27	8.26	31.06	24.3	3.93	12	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	13:53	8.29	8.29	31.02	24.3	3.06	7	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181103	Cloudy	Moderate	Mid-Ebb	S	1	13:53	8.29	8.2	31.05	24.4	3.06	6	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Flood	B	9.2	14:16	8.05	8.17	31.14	24.3	4.64	11	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Flood	B	9.2	14:16	8.05	8.3	31.14	24.3	4.66	11	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Flood	M	5.1	14:17	8.04	8.22	31.05	24.3	4.98	10	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Flood	M	5.1	14:17	8.03	8.3	31.05	24.3	5.01	10	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Flood	S	1	14:17	8.04	8.27	31.14	24.3	3.47	9	-	-	-
C2	20181103	Cloudy	Moderate	Mid-Flood	S	1	14:18	8.07	8.23	31.19	24.4	3.44	10	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Flood	B	8.4	14:34	7.96	8.22	31.05	24.3	5.95	10	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Flood	B	8.4	14:34	7.96	8.25	31.01	24.3	5.97	11	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Flood	M	5.7	14:35	7.95	8.16	31.14	24.3	2.89	9	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Flood	M	5.7	14:35	7.99	8.18	31.16	24.3	2.91	10	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Flood	S	1	14:36	7.98	8.22	31.01	24.4	2.04	8	-	-	-
H1	20181103	Cloudy	Moderate	Mid-Flood	S	1	14:36	8	8.22	31.19	24.4	2.02	8	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Flood	B	8.9	14:53	7.83	8.22	31.11	24.3	4.92	15	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Flood	B	8.9	14:54	7.85	8.27	31.18	24.4	4.88	13	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Flood	M	5	14:54	7.86	8.3	31.1	24.4	2.34	11	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Flood	M	5	14:54	7.88	8.2	31.08	24.3	2.33	11	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Flood	S	1	14:55	7.86	8.17	31.03	24.3	3.55	10	-	-	-
CR1	20181103	Cloudy	Moderate	Mid-Flood	S	1	14:55	7.89	8.3	31.14	24.3	3.54	11	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Flood	B	9	15:04	7.92	8.3	31.17	24.3	4.13	20	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Flood	B	9	15:04	7.94	8.26	31.2	24.4	4.14	19	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Flood	M	5	15:04	7.93	8.19	31.1	24.4	4.1	19	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Flood	M	5	15:05	7.92	8.27	31.14	24.3	4.1	18	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Flood	S	1	15:05	7.91	8.23	31.14	24.3	3.45	16	-	-	-
CR2	20181103	Cloudy	Moderate	Mid-Flood	S	1	15:06	7.94	8.29	31.01	24.3	3.46	16	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Flood	B	11.4	15:36	8.2	8.18	31.04	24.4	5.11	12	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Flood	B	11.4	15:36	8.25	8.28	31.05	24.3	5.13	11	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Flood	M	6.2	15:37	8.24	8.16	31.08	24.4	3.78	10	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Flood	M	6.2	15:37	8.28	8.17	31.16	24.3	3.78	10	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1	20181103	Cloudy	Moderate	Mid-Flood	S	1	15:37	8.28	8.26	31.19	24.4	3.13	9	-	-	-
C1	20181103	Cloudy	Moderate	Mid-Flood	S	1	15:38	8.32	8.21	31.14	24.3	3.1	8	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Flood	B	4.6	16:10	8.2	8.22	31.02	24.4	4.92	10	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Flood	B	4.6	16:11	8.17	8.2	31.08	24.3	4.95	8	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:11	8.17	8.21	31.1	24.3	2.93	11	-	-	-
B1	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:11	8.15	8.26	31.19	24.3	2.9	10	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Flood	B	4.5	16:25	8.05	8.3	31.02	24.3	4.49	10	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Flood	B	4.5	16:25	8.02	8.28	31.09	24.3	4.46	11	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:26	8	8.18	31.01	24.4	1.41	8	-	-	-
B2	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:26	7.99	8.28	31.18	24.3	1.4	9	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Flood	B	4.7	16:49	7.9	8.17	31.2	24.3	5.03	15	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Flood	B	4.7	16:50	7.9	8.19	31.11	24.3	5.03	13	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:50	7.9	8.25	31.07	24.4	3.32	11	-	-	-
B3	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:50	7.88	8.24	31.13	24.3	3.33	13	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Flood	B	4.5	16:55	8.03	8.28	31.09	24.3	5.55	9	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Flood	B	4.5	16:55	8.02	8.2	31.13	24.3	5.55	10	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:56	8.01	8.26	31.1	24.4	1.44	8	-	-	-
B4	20181103	Cloudy	Moderate	Mid-Flood	S	1	16:56	8.04	8.23	31.03	24.3	1.44	8	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Flood	B	7.9	17:27	7.87	8.24	31.08	24.3	4.41	7	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Flood	B	7.9	17:28	7.85	8.17	31.1	24.3	4.4	7	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Flood	M	4.5	17:28	7.81	8.2	31.07	24.3	4.29	7	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Flood	M	4.5	17:29	7.82	8.29	31.14	24.4	4.29	8	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Flood	S	1	17:29	7.82	8.29	31.08	24.3	2.51	7	-	-	-
M1	20181103	Cloudy	Moderate	Mid-Flood	S	1	17:29	7.81	8.17	31.19	24.4	2.52	7	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Flood	B	8.1	17:55	8.05	8.24	31.04	24.3	5.94	14	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Flood	B	8.1	17:55	8.06	8.3	31.15	24.3	5.95	14	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Flood	M	5.1	17:55	8.06	8.18	31.17	24.3	3.84	9	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Flood	M	5.1	17:56	8.06	8.21	31.2	24.4	3.85	10	-	-	-
F1	20181103	Cloudy	Moderate	Mid-Flood	S	1	17:56	8.06	8.28	31.06	24.3	2.89	7	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1	20181103	Cloudy	Moderate	Mid-Flood	S	1	17:57	8.06	8.22	31.01	24.3	2.91	8	-	-	-
C1	20181105	Cloudy	Moderate	Mid-Ebb	B	9.1	10:00	8.01	8.23	29.62	23.7	5.21	16	-	-	-
C1	20181105	Cloudy	Moderate	Mid-Ebb	B	9.1	10:00	7.96	8.25	29.83	23.7	5.21	17	-	-	-
C1	20181105	Cloudy	Moderate	Mid-Ebb	M	5.1	10:00	8.02	8.21	29.84	23.7	3.84	14	-	-	-
C1	20181105	Cloudy	Moderate	Mid-Ebb	M	5.1	10:01	8.08	8.08	29.57	23.7	3.81	15	-	-	-
C1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	10:01	8.07	8.18	29.57	23.7	1.03	13	-	-	-
C1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	10:01	8.01	8.13	29.82	23.7	1.05	13	-	-	-
B1	20181105	Cloudy	Moderate	Mid-Ebb	B	4.2	10:27	7.88	8.13	29.67	23.7	5.07	7	-	-	-
B1	20181105	Cloudy	Moderate	Mid-Ebb	B	4.2	10:27	7.92	8.06	29.84	23.8	5	6	-	-	-
B1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	10:28	8.02	8.11	29.85	23.7	3.17	8	-	-	-
B1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	10:28	7.99	8.21	29.95	23.8	3.18	8	-	-	-
B2	20181105	Cloudy	Moderate	Mid-Ebb	B	4.1	10:43	7.77	8.21	29.75	23.7	5.59	14	-	-	-
B2	20181105	Cloudy	Moderate	Mid-Ebb	B	4.1	10:44	7.75	8.14	29.57	23.8	5.59	14	-	-	-
B2	20181105	Cloudy	Moderate	Mid-Ebb	S	1	10:44	7.87	8.09	29.92	23.8	3.26	11	-	-	-
B2	20181105	Cloudy	Moderate	Mid-Ebb	S	1	10:44	7.85	8.09	29.97	23.7	3.31	12	-	-	-
H1	20181105	Cloudy	Moderate	Mid-Ebb	B	7.7	11:09	7.98	8.15	29.76	23.7	5.85	16	-	-	-
H1	20181105	Cloudy	Moderate	Mid-Ebb	B	7.7	11:09	7.91	8.21	29.96	23.7	5.85	17	-	-	-
H1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.4	11:10	7.91	8.25	29.92	23.8	3.82	15	-	-	-
H1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.4	11:10	7.98	8.1	29.92	23.8	3.83	14	-	-	-
H1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	11:10	7.92	8.11	29.68	23.7	1.6	12	-	-	-
H1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	11:11	7.9	8.17	29.77	23.7	1.62	11	-	-	-
CR2	20181105	Cloudy	Moderate	Mid-Ebb	B	7.8	11:31	8.11	8.24	29.82	23.7	5.48	21	-	-	-
CR2	20181105	Cloudy	Moderate	Mid-Ebb	B	7.8	11:32	8.05	8.12	29.88	23.7	5.52	23	-	-	-
CR2	20181105	Cloudy	Moderate	Mid-Ebb	M	4.4	11:32	8.06	8.09	29.86	23.7	4.4	37	-	-	-
CR2	20181105	Cloudy	Moderate	Mid-Ebb	M	4.4	11:32	8.08	8.22	29.97	23.7	4.36	32	-	-	-
CR2	20181105	Cloudy	Moderate	Mid-Ebb	S	1	11:33	8.13	8.06	29.75	23.8	2.11	56	-	-	-
CR2	20181105	Cloudy	Moderate	Mid-Ebb	S	1	11:33	8.07	8.24	29.53	23.8	2.06	48	-	-	-
CR1	20181105	Cloudy	Moderate	Mid-Ebb	B	7.9	11:49	7.89	8.18	29.51	23.7	5.65	22	-	-	-
CR1	20181105	Cloudy	Moderate	Mid-Ebb	B	7.9	11:50	7.72	8.06	29.69	23.8	5.62	26	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.5	11:50	7.72	8.15	29.54	23.7	3.84	12	-	-	-
CR1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.5	11:51	7.8	8.07	29.68	23.8	3.88	12	-	-	-
CR1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	11:51	7.95	8.11	29.65	23.8	3.52	11	-	-	-
CR1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	11:51	8.02	8.25	29.84	23.7	3.54	11	-	-	-
B3	20181105	Cloudy	Moderate	Mid-Ebb	B	4.3	12:13	8.12	8.15	29.96	23.7	5.75	21	-	-	-
B3	20181105	Cloudy	Moderate	Mid-Ebb	B	4.3	12:13	8.16	8.1	29.65	23.7	5.67	23	-	-	-
B3	20181105	Cloudy	Moderate	Mid-Ebb	S	1	12:14	8.2	8.08	29.65	23.8	1.33	14	-	-	-
B3	20181105	Cloudy	Moderate	Mid-Ebb	S	1	12:14	8.26	8.21	29.88	23.7	1.35	13	-	-	-
B4	20181105	Cloudy	Moderate	Mid-Ebb	B	4.2	12:22	8	8.1	29.9	23.7	4.55	20	-	-	-
B4	20181105	Cloudy	Moderate	Mid-Ebb	B	4.2	12:23	7.96	8.18	29.8	23.7	4.53	22	-	-	-
B4	20181105	Cloudy	Moderate	Mid-Ebb	S	1	12:23	7.93	8.22	29.91	23.8	2.13	14	-	-	-
B4	20181105	Cloudy	Moderate	Mid-Ebb	S	1	12:23	7.87	8.13	29.67	23.7	2.14	13	-	-	-
C2	20181105	Cloudy	Moderate	Mid-Ebb	B	8.7	12:33	8.07	8.12	29.99	23.7	5.6	20	-	-	-
C2	20181105	Cloudy	Moderate	Mid-Ebb	B	8.7	12:33	7.89	8.08	29.88	23.7	5.65	18	-	-	-
C2	20181105	Cloudy	Moderate	Mid-Ebb	M	4.9	12:34	7.74	8.24	29.84	23.8	4.01	13	-	-	-
C2	20181105	Cloudy	Moderate	Mid-Ebb	M	4.9	12:34	7.85	8.2	29.55	23.7	3.97	14	-	-	-
C2	20181105	Cloudy	Moderate	Mid-Ebb	S	1	12:34	7.98	8.13	29.77	23.7	2.59	10	-	-	-
C2	20181105	Cloudy	Moderate	Mid-Ebb	S	1	12:35	7.86	8.1	29.6	23.7	2.6	10	-	-	-
F1	20181105	Cloudy	Moderate	Mid-Ebb	B	8.1	13:02	7.81	8.15	29.75	23.8	4.13	9	-	-	-
F1	20181105	Cloudy	Moderate	Mid-Ebb	B	8.1	13:03	7.73	8.1	29.59	23.7	4.14	10	-	-	-
F1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.6	13:03	7.67	8.14	29.66	23.7	4.9	10	-	-	-
F1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.6	13:03	7.57	8.12	29.99	23.8	4.93	10	-	-	-
F1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	13:04	7.5	8.08	29.82	23.8	2.62	12	-	-	-
F1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	13:04	7.38	8.12	29.78	23.8	2.64	13	-	-	-
M1	20181105	Cloudy	Moderate	Mid-Ebb	B	8	13:29	8.05	8.1	29.71	23.7	4.61	26	-	-	-
M1	20181105	Cloudy	Moderate	Mid-Ebb	B	8	13:30	8.1	8.16	29.55	23.8	4.56	26	-	-	-
M1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.5	13:30	8.1	8.12	29.53	23.7	3.23	16	-	-	-
M1	20181105	Cloudy	Moderate	Mid-Ebb	M	4.5	13:31	8.13	8.18	29.7	23.7	3.24	17	-	-	-
M1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	13:31	8.22	8.12	29.87	23.7	1.42	12	-	-	-



Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181105	Cloudy	Moderate	Mid-Ebb	S	1	13:31	8.36	8.07	29.99	23.7	1.4	14	-	-	-
C2	20181105	Sunny	Moderate	Mid-Flood	B	9.1	15:11	7.77	8.17	29.77	23.7	5.67	10	-	-	-
C2	20181105	Sunny	Moderate	Mid-Flood	B	9.1	15:11	7.77	8.18	29.93	23.7	5.73	9	-	-	-
C2	20181105	Sunny	Moderate	Mid-Flood	M	5.1	15:12	7.79	8.06	29.9	23.7	4.47	9	-	-	-
C2	20181105	Sunny	Moderate	Mid-Flood	M	5.1	15:12	7.87	8.1	29.94	23.7	4.44	9	-	-	-
C2	20181105	Sunny	Moderate	Mid-Flood	S	1	15:12	7.87	8.12	30	23.7	2.14	8	-	-	-
C2	20181105	Sunny	Moderate	Mid-Flood	S	1	15:13	7.81	8.21	29.62	23.7	2.08	8	-	-	-
CR1	20181105	Sunny	Moderate	Mid-Flood	B	7.7	15:32	8.09	8.19	29.92	23.8	5.47	5	-	-	-
CR1	20181105	Sunny	Moderate	Mid-Flood	B	7.7	15:32	8.19	8.24	29.85	23.8	5.54	5	-	-	-
CR1	20181105	Sunny	Moderate	Mid-Flood	M	4.4	15:33	8.1	8.07	29.79	23.8	3.42	8	-	-	-
CR1	20181105	Sunny	Moderate	Mid-Flood	M	4.4	15:33	8.06	8.25	29.95	23.8	3.49	7	-	-	-
CR1	20181105	Sunny	Moderate	Mid-Flood	S	1	15:34	8.05	8.16	29.59	23.7	1.55	12	-	-	-
CR1	20181105	Sunny	Moderate	Mid-Flood	S	1	15:34	7.98	8.24	29.55	23.8	1.62	11	-	-	-
CR2	20181105	Sunny	Moderate	Mid-Flood	B	7.4	15:42	7.78	8.14	29.99	23.7	5.06	12	-	-	-
CR2	20181105	Sunny	Moderate	Mid-Flood	B	7.4	15:43	7.87	8.21	29.79	23.8	5.05	13	-	-	-
CR2	20181105	Sunny	Moderate	Mid-Flood	M	4.2	15:43	8.01	8.12	29.69	23.7	3.16	15	-	-	-
CR2	20181105	Sunny	Moderate	Mid-Flood	M	4.2	15:43	7.96	8.25	29.87	23.7	3.2	14	-	-	-
CR2	20181105	Sunny	Moderate	Mid-Flood	S	1	15:44	7.92	8.18	29.91	23.7	1.37	23	-	-	-
CR2	20181105	Sunny	Moderate	Mid-Flood	S		15:44	7.89	8.24	29.63	23.8	1.38	21	-	-	-
C1	20181105	Sunny	Moderate	Mid-Flood	B	11.3	16:14	8.04	8.23	29.53	23.7	5.18	10	-	-	-
C1	20181105	Sunny	Moderate	Mid-Flood	B	11.3	16:14	8.01	8.17	29.61	23.7	5.14	11	-	-	-
C1	20181105	Sunny	Moderate	Mid-Flood	M	6.2	16:14	8.09	8.13	29.6	23.7	3.92	10	-	-	-
C1	20181105	Sunny	Moderate	Mid-Flood	M	6.2	16:15	7.94	8.23	29.53	23.8	3.89	10	-	-	-
C1	20181105	Sunny	Moderate	Mid-Flood	S	1	16:15	8	8.13	29.93	23.7	1.95	10	-	-	-
C1	20181105	Sunny	Moderate	Mid-Flood	S	1	16:16	7.93	8.15	29.94	23.7	1.9	9	-	-	-
B1	20181105	Sunny	Moderate	Mid-Flood	B	4.8	16:40	8.13	8.11	29.98	23.8	4.3	11	-	-	-
B1	20181105	Sunny	Moderate	Mid-Flood	B	4.8	16:40	8.15	8.21	29.71	23.7	4.29	12	-	-	-
B1	20181105	Sunny	Moderate	Mid-Flood	S	1	16:41	8.18	8.18	29.76	23.7	2.77	12	-	-	-
B1	20181105	Sunny	Moderate	Mid-Flood	S	1	16:41	8.12	8.13	29.91	23.8	2.73	12	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181105	Sunny	Moderate	Mid-Flood	B	4.6	16:58	7.88	8.16	29.93	23.7	5.1	20	-	-	-
B2	20181105	Sunny	Moderate	Mid-Flood	B	4.6	16:59	7.93	8.21	29.87	23.8	5.1	19	-	-	-
B2	20181105	Sunny	Moderate	Mid-Flood	S	1	16:59	7.88	8.19	29.86	23.7	3.01	10	-	-	-
B2	20181105	Sunny	Moderate	Mid-Flood	S	1	17:00	8.01	8.08	29.55	23.8	2.97	11	-	-	-
H1	20181105	Sunny	Moderate	Mid-Flood	B	8.2	17:27	7.95	8.2	29.85	23.8	4.97	10	-	-	-
H1	20181105	Sunny	Moderate	Mid-Flood	B	8.2	17:27	8.01	8.09	29.87	23.7	4.93	10	-	-	-
H1	20181105	Sunny	Moderate	Mid-Flood	M	4.6	17:28	8.02	8.16	29.91	23.8	4.03	8	-	-	-
H1	20181105	Sunny	Moderate	Mid-Flood	M	4.6	17:28	7.86	8.23	29.9	23.7	4.01	9	-	-	-
H1	20181105	Sunny	Moderate	Mid-Flood	S	1	17:29	7.98	8.15	29.73	23.7	3.41	8	-	-	-
H1	20181105	Sunny	Moderate	Mid-Flood	S	1	17:29	7.98	8.15	29.77	23.7	3.46	8	-	-	-
B3	20181105	Sunny	Moderate	Mid-Flood	B	4.7	17:43	7.77	8.14	29.61	23.8	4.36	13	-	-	-
B3	20181105	Sunny	Moderate	Mid-Flood	B	4.7	17:44	7.61	8.1	30	23.7	4.36	12	-	-	-
B3	20181105	Sunny	Moderate	Mid-Flood	S	1	17:44	7.62	8.07	29.82	23.7	3.95	12	-	-	-
B3	20181105	Sunny	Moderate	Mid-Flood	S	1	17:44	7.71	8.13	29.76	23.8	3.97	12	-	-	-
B4	20181105	Sunny	Moderate	Mid-Flood	B	4.6	17:53	8.03	8.07	29.99	23.7	5.52	10	-	-	-
B4	20181105	Sunny	Moderate	Mid-Flood	B	4.6	17:53	8.01	8.11	29.64	23.7	5.51	9	-	-	-
B4	20181105	Sunny	Moderate	Mid-Flood	S	1	17:54	7.91	8.16	29.71	23.8	2.66	9	-	-	-
B4	20181105	Sunny	Moderate	Mid-Flood	S	1	17:54	7.74	8.14	29.7	23.7	2.66	11	-	-	-
F1	20181105	Sunny	Moderate	Mid-Flood	B	8.3	18:20	7.8	8.17	29.85	23.8	4.15	18	-	-	-
F1	20181105	Sunny	Moderate	Mid-Flood	B	8.3	18:21	7.85	8.19	29.93	23.8	4.16	16	-	-	-
F1	20181105	Sunny	Moderate	Mid-Flood	M	4.7	18:21	7.96	8.24	29.66	23.7	4.08	16	-	-	-
F1	20181105	Sunny	Moderate	Mid-Flood	M	4.7	18:22	7.87	8.14	29.69	23.7	4.09	17	-	-	-
F1	20181105	Sunny	Moderate	Mid-Flood	S	1	18:22	7.79	8.09	29.72	23.7	1.02	10	-	-	-
F1	20181105	Sunny	Moderate	Mid-Flood	S	1	18:22	7.87	8.12	29.54	23.7	1.1	10	-	-	-
M1	20181105	Sunny	Moderate	Mid-Flood	B	8.5	18:23	7.97	8.06	29.73	23.7	4.7	9	-	-	-
M1	20181105	Sunny	Moderate	Mid-Flood	B	8.5	18:23	8.07	8.17	29.78	23.7	4.74	10	-	-	-
M1	20181105	Sunny	Moderate	Mid-Flood	M	4.8	18:23	8.08	8.12	29.82	23.7	3.92	17	-	-	-
M1	20181105	Sunny	Moderate	Mid-Flood	M	4.8	18:24	8.12	8.09	29.81	23.7	3.86	16	-	-	-
M1	20181105	Sunny	Moderate	Mid-Flood	S	1	18:24	8.01	8.21	29.95	23.8	2.64	16	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181105	Sunny	Moderate	Mid-Flood	S	1	18:25	8.16	8.12	29.67	23.7	2.67	17	-	-	-
C1	20181107	Sunny	Moderate	Mid-Ebb	B	10.8	10:41	8.3	8.4	30.13	23.2	5.69	15	-	-	-
C1	20181107	Sunny	Moderate	Mid-Ebb	B	10.8	10:41	8.35	8.33	30.05	23.2	5.78	15	-	-	-
C1	20181107	Sunny	Moderate	Mid-Ebb	M	6	10:41	8.32	8.24	30.1	23.2	4.6	15	-	-	-
C1	20181107	Sunny	Moderate	Mid-Ebb	M	6	10:42	8.33	8.39	30.01	23.1	4.53	16	-	-	-
C1	20181107	Sunny	Moderate	Mid-Ebb	S	1	10:42	8.34	8.35	30.1	23.1	2.08	14	-	-	-
C1	20181107	Sunny	Moderate	Mid-Ebb	S	1	10:42	8.43	8.31	30.16	23.1	2.1	15	-	-	-
B1	20181107	Sunny	Moderate	Mid-Ebb	B	4.3	11:08	8.06	8.38	29.82	23.2	5.08	21	-	-	-
B1	20181107	Sunny	Moderate	Mid-Ebb	B	4.3	11:08	8.01	8.28	29.86	23.1	5.18	21	-	-	-
B1	20181107	Sunny	Moderate	Mid-Ebb	S	1	11:09	7.99	8.23	29.91	23.1	1.47	8	-	-	-
B1	20181107	Sunny	Moderate	Mid-Ebb	S	1	11:09	8.01	8.21	29.95	23.1	1.53	10	-	-	-
B2	20181107	Sunny	Moderate	Mid-Ebb	B	4.2	11:24	8.05	8.25	29.83	23.1	5.92	15	-	-	-
B2	20181107	Sunny	Moderate	Mid-Ebb	B	4.2	11:25	8.12	8.23	29.89	23.2	5.83	13	-	-	-
B2	20181107	Sunny	Moderate	Mid-Ebb	S	1	11:25	8.02	8.32	29.88	23.1	2.26	12	-	-	-
B2	20181107	Sunny	Moderate	Mid-Ebb	S	1	11:25	8.09	8.26	29.89	23.1	2.22	13	-	-	-
H1	20181107	Sunny	Moderate	Mid-Ebb	B	7.9	11:47	8.25	8.28	29.78	23.2	6.37	10	-	-	-
H1	20181107	Sunny	Moderate	Mid-Ebb	B	7.9	11:47	8.16	8.3	29.79	23.1	6.36	11	-	-	-
H1	20181107	Sunny	Moderate	Mid-Ebb	M	4.5	11:48	8.11	8.31	29.8	23.1	4.76	13	-	-	-
H1	20181107	Sunny	Moderate	Mid-Ebb	M	4.5	11:48	8.11	8.28	29.8	23.1	4.8	12	-	-	-
H1	20181107	Sunny	Moderate	Mid-Ebb	S	1	11:48	8.05	8.21	29.82	23.1	2.05	15	-	-	-
H1	20181107	Sunny	Moderate	Mid-Ebb	S	1	11:49	8.06	8.32	29.85	23.1	1.97	14	-	-	-
CR2	20181107	Sunny	Moderate	Mid-Ebb	B	8	12:05	8.11	8.23	29.78	23.1	5.86	10	-	-	-
CR2	20181107	Sunny	Moderate	Mid-Ebb	B	8	12:06	8.07	8.27	29.88	23.2	5.76	10	-	-	-
CR2	20181107	Sunny	Moderate	Mid-Ebb	M	4.5	12:06	8.07	8.27	29.84	23.1	4.66	12	-	-	-
CR2	20181107	Sunny	Moderate	Mid-Ebb	M	4.5	12:06	8.05	8.33	29.77	23.1	4.63	12	-	-	-
CR2	20181107	Sunny	Moderate	Mid-Ebb	S	1	12:07	8.15	8.4	29.8	23.2	2.71	12	-	-	-
CR2	20181107	Sunny	Moderate	Mid-Ebb	S	1	12:07	8.1	8.33	29.83	23.2	2.64	12	-	-	-
CR1	20181107	Sunny	Moderate	Mid-Ebb	B	8.1	12:23	8.24	8.31	30.25	23.1	4.52	18	-	-	-
CR1	20181107	Sunny	Moderate	Mid-Ebb	B	8.1	12:24	8.2	8.21	30.16	23.2	4.59	20	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181107	Sunny	Moderate	Mid-Ebb	M	4.6	12:24	8.18	8.36	30.09	23.1	4.57	15	-	-	-
CR1	20181107	Sunny	Moderate	Mid-Ebb	M	4.6	12:25	8.26	8.39	30.06	23.2	4.63	14	-	-	-
CR1	20181107	Sunny	Moderate	Mid-Ebb	S	1	12:25	8.33	8.33	29.96	23.2	2.98	12	-	-	-
CR1	20181107	Sunny	Moderate	Mid-Ebb	S	1	12:25	8.23	8.37	30.03	23.1	2.88	12	-	-	-
B3	20181107	Sunny	Moderate	Mid-Ebb	B	4.3	13:04	8.16	8.36	29.88	23.2	6.81	15	-	-	-
B3	20181107	Sunny	Moderate	Mid-Ebb	B	4.3	13:04	8.15	8.4	29.87	23.1	6.85	16	-	-	-
B3	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:05	8.25	8.31	29.77	23.1	1.84	12	-	-	-
B3	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:05	8.31	8.38	29.79	23.1	1.77	12	-	-	-
B4	20181107	Sunny	Moderate	Mid-Ebb	B	4.1	13:10	7.96	8.23	29.83	23.1	5.22	16	-	-	-
B4	20181107	Sunny	Moderate	Mid-Ebb	B	4.1	13:11	7.96	8.31	29.86	23.2	5.12	18	-	-	-
B4	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:11	8.03	8.35	29.87	23.2	2.01	14	-	-	-
B4	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:11	8.01	8.4	29.88	23.1	2.01	13	-	-	-
C2	20181107	Sunny	Moderate	Mid-Ebb	B	8.6	13:20	8.21	8.36	29.92	23.1	6.91	18	-	-	-
C2	20181107	Sunny	Moderate	Mid-Ebb	B	8.6	13:20	8.26	8.36	29.91	23.1	6.82	17	-	-	-
C2	20181107	Sunny	Moderate	Mid-Ebb	M	4.8	13:21	8.3	8.31	30	23.1	2.18	17	-	-	-
C2	20181107	Sunny	Moderate	Mid-Ebb	M	4.8	13:21	8.25	8.27	30.05	23.2	2.14	17	-	-	-
C2	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:21	8.23	8.31	30.12	23.2	2.36	15	-	-	-
C2	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:22	8.17	8.27	30.05	23.1	2.43	15	-	-	-
M1	20181107	Sunny	Moderate	Mid-Ebb	B	7.7	13:46	8.23	8.31	29.86	23.1	5.27	22	-	-	-
M1	20181107	Sunny	Moderate	Mid-Ebb	B	7.7	13:47	8.14	8.29	29.79	23.2	5.33	20	-	-	-
M1	20181107	Sunny	Moderate	Mid-Ebb	M	4.4	13:47	8.07	8.25	29.72	23.1	4.99	16	-	-	-
M1	20181107	Sunny	Moderate	Mid-Ebb	M	4.4	13:47	8.08	8.29	29.78	23.1	5.07	16	-	-	-
M1	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:48	8.12	8.27	29.72	23.1	2.67	16	-	-	-
M1	20181107	Sunny	Moderate	Mid-Ebb	S	1	13:48	8.18	8.37	29.76	23.1	2.57	14	-	-	-
F1	20181107	Sunny	Moderate	Mid-Ebb	B	7.5	14:21	8.1	8.39	29.82	23.2	4.56	20	-	-	-
F1	20181107	Sunny	Moderate	Mid-Ebb	B	7.5	14:22	8.08	8.36	29.86	23.1	4.47	21	-	-	-
F1	20181107	Sunny	Moderate	Mid-Ebb	M	4.3	14:22	8.09	8.23	29.91	23.1	2.01	19	-	-	-
F1	20181107	Sunny	Moderate	Mid-Ebb	M	4.3	14:23	8.1	8.36	29.93	23.1	2.09	18	-	-	-
F1	20181107	Sunny	Moderate	Mid-Ebb	S	1	14:23	8.2	8.36	29.9	23.2	2.05	16	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1	20181107	Sunny	Moderate	Mid-Ebb	S	1	14:23	8.25	8.27	29.94	23.1	2.02	16	-	-	-
C2	20181107	Fine	Moderate	Mid-Flood	B	9.4	16:07	8.22	8.31	29.8	23.1	5.61	12	-	-	-
C2	20181107	Fine	Moderate	Mid-Flood	B	9.4	16:07	8.18	8.26	29.82	23.2	5.68	12	-	-	-
C2	20181107	Fine	Moderate	Mid-Flood	M	5.2	16:08	8.21	8.36	29.84	23.2	4.81	14	-	-	-
C2	20181107	Fine	Moderate	Mid-Flood	M	5.2	16:08	8.12	8.35	29.8	23.1	4.81	13	-	-	-
C2	20181107	Fine	Moderate	Mid-Flood	S	1	16:08	8.14	8.28	29.78	23.1	1.1	16	-	-	-
C2	20181107	Fine	Moderate	Mid-Flood	S	1	16:09	8.11	8.2	29.77	23.1	1.05	17	-	-	-
CR1	20181107	Fine	Moderate	Mid-Flood	B	8.4	16:27	8.19	8.23	29.85	23.2	5.82	14	-	-	-
CR1	20181107	Fine	Moderate	Mid-Flood	B	8.4	16:27	8.21	8.4	29.89	23.1	5.75	14	-	-	-
CR1	20181107	Fine	Moderate	Mid-Flood	M	4.7	16:28	8.26	8.39	29.89	23.2	4.25	17	-	-	-
CR1	20181107	Fine	Moderate	Mid-Flood	M	4.7	16:28	8.18	8.21	29.82	23.2	4.27	16	-	-	-
CR1	20181107	Fine	Moderate	Mid-Flood	S	1	16:29	8.14	8.38	29.86	23.1	2.45	17	-	-	-
CR1	20181107	Fine	Moderate	Mid-Flood	S	1	16:29	8.13	8.3	29.77	23.2	2.49	17	-	-	-
CR2	20181107	Fine	Moderate	Mid-Flood	B	8.5	16:39	8.14	8.39	29.84	23.1	5.4	10	-	-	-
CR2	20181107	Fine	Moderate	Mid-Flood	B	8.5	16:40	8.1	8.33	29.86	23.1	5.42	10	-	-	-
CR2	20181107	Fine	Moderate	Mid-Flood	M	4.8	16:40	8.18	8.39	29.96	23.1	3.4	12	-	-	-
CR2	20181107	Fine	Moderate	Mid-Flood	M	4.8	16:40	8.09	8.26	29.9	23.1	3.5	12	-	-	-
CR2	20181107	Fine	Moderate	Mid-Flood	S	1	16:41	8.07	8.33	29.91	23.2	1.65	15	-	-	-
CR2	20181107	Fine	Moderate	Mid-Flood	S	1	16:41	8.1	8.21	29.93	23.2	1.73	14	-	-	-
C1	20181107	Fine	Moderate	Mid-Flood	B	11.5	17:09	7.91	8.32	30.17	23.2	4.92	13	-	-	-
C1	20181107	Fine	Moderate	Mid-Flood	B	11.5	17:09	7.94	8.35	30.24	23.2	4.89	12	-	-	-
C1	20181107	Fine	Moderate	Mid-Flood	M	6.3	17:09	8	8.4	30.18	23.2	4.48	12	-	-	-
C1	20181107	Fine	Moderate	Mid-Flood	M	6.3	17:10	8.1	8.37	30.15	23.2	4.54	12	-	-	-
C1	20181107	Fine	Moderate	Mid-Flood	S	1	17:10	8.16	8.33	30.06	23.2	1.57	12	-	-	-
C1	20181107	Fine	Moderate	Mid-Flood	S	1	17:11	8.06	8.36	29.96	23.1	1.6	12	-	-	-
B1	20181107	Fine	Moderate	Mid-Flood	B	4.7	17:40	7.99	8.36	29.93	23.2	4.36	7	-	-	-
B1	20181107	Fine	Moderate	Mid-Flood	B	4.7	17:40	8.01	8.34	29.99	23.2	4.34	7	-	-	-
B1	20181107	Fine	Moderate	Mid-Flood	S	1	17:41	8.07	8.4	30.04	23.1	2.99	7	-	-	-
B1	20181107	Fine	Moderate	Mid-Flood	S	1	17:41	8.13	8.38	30.08	23.2	2.92	7	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181107	Fine	Moderate	Mid-Flood	B	4.8	17:57	8.02	8.35	29.9	23.1	4.79	16	-	-	-
B2	20181107	Fine	Moderate	Mid-Flood	B	4.8	17:58	7.99	8.29	29.82	23.1	4.88	17	-	-	-
B2	20181107	Fine	Moderate	Mid-Flood	S	1	17:58	8.08	8.29	29.82	23.2	1.26	7	-	-	-
B2	20181107	Fine	Moderate	Mid-Flood	S	1	17:59	8.11	8.36	29.77	23.1	1.36	8	-	-	-
H1	20181107	Fine	Moderate	Mid-Flood	B	8.4	18:22	8.18	8.22	30.12	23.1	4.52	6	-	-	-
H1	20181107	Fine	Moderate	Mid-Flood	B	8.4	18:22	8.24	8.24	30.15	23.1	4.5	6	-	-	-
H1	20181107	Fine	Moderate	Mid-Flood	M	4.7	18:23	8.23	8.38	30.1	23.1	4.29	7	-	-	-
H1	20181107	Fine	Moderate	Mid-Flood	M	4.7	18:23	8.18	8.31	30.2	23.1	4.2	6	-	-	-
H1	20181107	Fine	Moderate	Mid-Flood	S	1	18:24	8.2	8.29	30.1	23.1	2.73	7	-	-	-
H1	20181107	Fine	Moderate	Mid-Flood	S	1	18:24	8.27	8.34	30.08	23.1	2.82	7	-	-	-
B3	20181107	Fine	Moderate	Mid-Flood	B	4.8	18:36	7.99	8.37	29.94	23.2	4.93	11	-	-	-
B3	20181107	Fine	Moderate	Mid-Flood	B	4.8	18:37	7.91	8.29	29.92	23.2	5.03	12	-	-	-
B3	20181107	Fine	Moderate	Mid-Flood	S	1	18:37	8	8.23	29.86	23.1	1.16	13	-	-	-
B3	20181107	Fine	Moderate	Mid-Flood	S	1	18:37	8.1	8.22	29.95	23.2	1.1	12	-	-	-
B4	20181107	Fine	Moderate	Mid-Flood	B	4.7	18:45	8.06	8.35	30.2	23.1	6.54	14	-	-	-
B4	20181107	Fine	Moderate	Mid-Flood	B	4.7	18:45	7.97	8.25	30.16	23.1	6.51	15	-	-	-
B4	20181107	Fine	Moderate	Mid-Flood	S	1	18:46	8.05	8.37	30.2	23.2	2.49	13	-	-	-
B4	20181107	Fine	Moderate	Mid-Flood	S	1	18:46	8.14	8.4	30.24	23.1	2.42	13	-	-	-
F1	20181107	Fine	Moderate	Mid-Flood	B	8	19:14	7.96	8.32	29.87	23.1	5.18	13	-	-	-
F1	20181107	Fine	Moderate	Mid-Flood	B	8	19:15	8.01	8.39	29.78	23.1	5.1	12	-	-	-
F1	20181107	Fine	Moderate	Mid-Flood	M	4.5	19:15	8.03	8.33	29.88	23.1	3.87	11	-	-	-
F1	20181107	Fine	Moderate	Mid-Flood	M	4.5	19:16	8.1	8.34	29.91	23.1	3.78	11	-	-	-
F1	20181107	Fine	Moderate	Mid-Flood	S	1	19:16	8.01	8.27	29.85	23.2	2.29	10	-	-	-
F1	20181107	Fine	Moderate	Mid-Flood	S	1	19:16	8.02	8.33	29.93	23.1	2.39	10	-	-	-
M1	20181107	Fine	Moderate	Mid-Flood	B	8.2	19:44	8.3	8.38	29.84	23.1	4.68	10	-	-	-
M1	20181107	Fine	Moderate	Mid-Flood	B	8.2	19:44	8.39	8.37	29.86	23.2	4.72	10	-	-	-
M1	20181107	Fine	Moderate	Mid-Flood	M	4.6	19:44	8.39	8.37	29.9	23.2	2.48	16	-	-	-
M1	20181107	Fine	Moderate	Mid-Flood	M	4.6	19:45	8.47	8.36	29.83	23.1	2.45	15	-	-	-
M1	20181107	Fine	Moderate	Mid-Flood	S	1	19:45	8.37	8.38	29.84	23.1	2.02	21	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181107	Fine	Moderate	Mid-Flood	S	1	19:46	8.34	8.39	29.86	23.1	1.97	20	-	-	-
C1	20181109	Sunny	Light	Mid-Ebb	B	10.8	11:48	8.19	8.15	29.1	22.9	4.27	10	-	-	-
C1	20181109	Sunny	Light	Mid-Ebb	B	10.8	11:48	8.25	8.11	29.18	22.8	4.17	9	-	-	-
C1	20181109	Sunny	Light	Mid-Ebb	M	5.9	11:48	8.15	8.11	29.05	22.9	3.59	8	-	-	-
C1	20181109	Sunny	Light	Mid-Ebb	M	5.9	11:49	8.25	8.11	29.09	22.9	3.54	8	-	-	-
C1	20181109	Sunny	Light	Mid-Ebb	S	1	11:49	8.16	8.06	29.19	22.9	2.99	6	-	-	-
C1	20181109	Sunny	Light	Mid-Ebb	S	1	11:49	8.23	7.97	29.19	23	2.93	6	-	-	-
B1	20181109	Sunny	Light	Mid-Ebb	B	4.2	12:12	8.19	7.99	29.11	22.8	5.96	12	-	-	-
B1	20181109	Sunny	Light	Mid-Ebb	B	4.2	12:12	8.24	7.93	29.17	22.8	6.01	12	-	-	-
B1	20181109	Sunny	Light	Mid-Ebb	S	1	12:13	8.32	7.96	29.1	22.8	1.25	11	-	-	-
B1	20181109	Sunny	Light	Mid-Ebb	S	1	12:13	8.33	7.89	29.04	23	1.34	10	-	-	-
B2	20181109	Sunny	Light	Mid-Ebb	B	4.3	12:28	8.39	7.83	29.07	23	5.53	13	-	-	-
B2	20181109	Sunny	Light	Mid-Ebb	B	4.3	12:29	8.36	7.87	29.12	22.9	5.56	13	-	-	-
B2	20181109	Sunny	Light	Mid-Ebb	S	1	12:29	8.43	7.8	29.17	23	2.04	11	-	-	-
B2	20181109	Sunny	Light	Mid-Ebb	S	1	12:29	8.51	7.82	29.09	22.8	2.11	12	-	-	-
H1	20181109	Sunny	Light	Mid-Ebb	B	7.6	12:55	8.54	7.75	29.17	22.8	4.2	15	-	-	-
H1	20181109	Sunny	Light	Mid-Ebb	B	7.6	12:55	8.49	7.73	29.14	22.9	4.2	14	-	-	-
H1	20181109	Sunny	Light	Mid-Ebb	M	4.3	12:56	8.54	7.64	29.19	22.9	3.73	14	-	-	-
H1	20181109	Sunny	Light	Mid-Ebb	M	4.3	12:56	8.55	7.6	29.03	23	3.83	15	-	-	-
H1	20181109	Sunny	Light	Mid-Ebb	S	1	12:56	8.52	7.6	29.02	22.8	2.38	12	-	-	-
H1	20181109	Sunny	Light	Mid-Ebb	S	1	12:57	8.47	7.63	29.07	22.9	2.42	12	-	-	-
CR2	20181109	Sunny	Light	Mid-Ebb	B	7.8	13:19	8.49	7.62	29.02	23	5.51	22	-	-	-
CR2	20181109	Sunny	Light	Mid-Ebb	B	7.8	13:20	8.45	7.72	29.17	23	5.56	21	-	-	-
CR2	20181109	Sunny	Light	Mid-Ebb	M	4.4	13:20	8.47	7.7	29.01	22.9	4.58	19	-	-	-
CR2	20181109	Sunny	Light	Mid-Ebb	M	4.4	13:20	8.38	7.76	29	22.8	4.57	20	-	-	-
CR2	20181109	Sunny	Light	Mid-Ebb	S	1	13:21	8.43	7.77	29.12	22.9	2.85	16	-	-	-
CR2	20181109	Sunny	Light	Mid-Ebb	S	1	13:21	8.43	7.78	29.01	22.9	2.79	15	-	-	-
CR1	20181109	Sunny	Light	Mid-Ebb	B	8	13:44	8.51	7.68	29.05	23	4.14	8	-	-	-
CR1	20181109	Sunny	Light	Mid-Ebb	B	8	13:45	8.46	7.7	29.15	23	4.14	8	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181109	Sunny	Light	Mid-Ebb	M	4.5	13:45	8.4	7.76	29.14	22.8	3.67	7	-	-	-
CR1	20181109	Sunny	Light	Mid-Ebb	M	4.5	13:46	8.42	7.84	29.18	22.9	3.71	7	-	-	-
CR1	20181109	Sunny	Light	Mid-Ebb	S	1	13:46	8.33	7.81	29.13	23	1.73	6	-	-	-
CR1	20181109	Sunny	Light	Mid-Ebb	S	1	13:46	8.43	7.82	29.07	22.9	1.75	7	-	-	-
B3	20181109	Sunny	Light	Mid-Ebb	B	4.3	14:05	8.41	7.81	29.07	22.9	5.05	10	-	-	-
B3	20181109	Sunny	Light	Mid-Ebb	B	4.3	14:05	8.31	7.85	29.09	23	4.95	11	-	-	-
B3	20181109	Sunny	Light	Mid-Ebb	S	1	14:06	8.23	7.93	29.05	23	2.54	7	-	-	-
B3	20181109	Sunny	Light	Mid-Ebb	S	1	14:06	8.17	7.84	29.16	22.8	2.49	8	-	-	-
B4	20181109	Sunny	Light	Mid-Ebb	B	4.1	14:19	8.26	7.76	29.16	22.8	4.23	12	-	-	-
B4	20181109	Sunny	Light	Mid-Ebb	B	4.1	14:20	8.25	7.78	29.07	22.9	4.21	13	-	-	-
B4	20181109	Sunny	Light	Mid-Ebb	S	1	14:20	8.24	7.79	29.01	22.9	1.44	9	-	-	-
B4	20181109	Sunny	Light	Mid-Ebb	S	1	14:20	8.32	7.76	29.07	22.8	1.45	8	-	-	-
C2	20181109	Sunny	Light	Mid-Ebb	B	8.5	14:44	8.32	7.74	29.03	23	5.97	12	-	-	-
C2	20181109	Sunny	Light	Mid-Ebb	B	8.5	14:44	8.24	7.64	29.06	22.9	5.99	12	-	-	-
C2	20181109	Sunny	Light	Mid-Ebb	M	4.3	14:45	8.18	7.61	29.16	22.9	4.48	11	-	-	-
C2	20181109	Sunny	Light	Mid-Ebb	M	4.3	14:45	8.22	7.52	29.15	22.9	4.42	11	-	-	-
C2	20181109	Sunny	Light	Mid-Ebb	S	1	14:45	8.24	7.47	29.12	23	2.11	10	-	-	-
C2	20181109	Sunny	Light	Mid-Ebb	S	1	14:46	8.33	7.42	29.12	22.9	2.06	8	-	-	-
F1	20181109	Sunny	Light	Mid-Ebb	B	8	15:07	8.41	7.41	29	23	4.27	10	-	-	-
F1	20181109	Sunny	Light	Mid-Ebb	B	8	15:08	8.42	7.45	29.03	22.8	4.29	9	-	-	-
F1	20181109	Sunny	Light	Mid-Ebb	M	4.5	15:08	8.39	7.44	29.01	22.9	3.71	9	-	-	-
F1	20181109	Sunny	Light	Mid-Ebb	M	4.5	15:08	8.3	7.38	29.15	22.8	3.79	9	-	-	-
F1	20181109	Sunny	Light	Mid-Ebb	S	1	15:09	8.28	7.48	29.12	22.8	2.16	7	-	-	-
F1	20181109	Sunny	Light	Mid-Ebb	S	1	15:09	8.38	7.42	29	22.8	2.14	8	-	-	-
M1	20181109	Sunny	Light	Mid-Ebb	B	7.8	15:35	8.33	7.35	29.11	23	4.03	11	-	-	-
M1	20181109	Sunny	Light	Mid-Ebb	B	7.8	15:36	8.39	7.35	29.16	23	4.13	11	-	-	-
M1	20181109	Sunny	Light	Mid-Ebb	M	4.4	15:36	8.41	7.27	29.01	22.9	3.86	11	-	-	-
M1	20181109	Sunny	Light	Mid-Ebb	M	4.4	15:37	8.45	7.21	29.04	23	3.9	10	-	-	-
M1	20181109	Sunny	Light	Mid-Ebb	S	1	15:37	8.39	7.16	29.16	22.8	1.86	9	-	-	-



Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181109	Sunny	Light	Mid-Ebb	S	1	15:37	8.43	7.26	29.08	22.9	1.82	9	-	-	-
C2	20181109	Fine	Moderate	Mid-Flood	B	9.3	17:09	8.38	7.23	29.16	22.8	4.26	10	-	-	-
C2	20181109	Fine	Moderate	Mid-Flood	B	9.3	17:09	8.36	7.27	29.09	23	4.19	10	-	-	-
C2	20181109	Fine	Moderate	Mid-Flood	M	5.2	17:10	8.28	7.27	29.15	22.9	3.24	9	-	-	-
C2	20181109	Fine	Moderate	Mid-Flood	M	5.2	17:10	8.26	7.24	29.01	22.8	3.2	9	-	-	-
C2	20181109	Fine	Moderate	Mid-Flood	S	1	17:10	8.18	7.26	29.12	22.9	1.85	8	-	-	-
C2	20181109	Fine	Moderate	Mid-Flood	S	1	17:11	8.12	7.26	29.09	23	1.8	9	-	-	-
CR1	20181109	Fine	Moderate	Mid-Flood	B	8.4	17:28	8.07	7.31	29.09	22.8	5.83	12	-	-	-
CR1	20181109	Fine	Moderate	Mid-Flood	B	8.4	17:28	8.09	7.27	29.14	22.9	5.85	12	-	-	-
CR1	20181109	Fine	Moderate	Mid-Flood	M	4.7	17:29	8.02	7.29	29.15	22.9	3.75	10	-	-	-
CR1	20181109	Fine	Moderate	Mid-Flood	M	4.7	17:29	8.06	7.22	29.03	22.9	3.74	9	-	-	-
CR1	20181109	Fine	Moderate	Mid-Flood	S	1	17:30	8.02	7.24	29.19	23	2.18	8	-	-	-
CR1	20181109	Fine	Moderate	Mid-Flood	S	1	17:30	7.99	7.26	29.13	22.9	2.08	8	-	-	-
CR2	20181109	Fine	Moderate	Mid-Flood	B	8.2	17:38	8	7.35	29.14	23	4.32	11	-	-	-
CR2	20181109	Fine	Moderate	Mid-Flood	B	8.2	17:39	7.92	7.25	29.19	23	4.29	11	-	-	-
CR2	20181109	Fine	Moderate	Mid-Flood	M	4.6	17:39	8.01	7.33	29.07	22.9	3.71	10	-	-	-
CR2	20181109	Fine	Moderate	Mid-Flood	M	4.6	17:39	7.91	7.38	29.11	23	3.66	11	-	-	-
CR2	20181109	Fine	Moderate	Mid-Flood	S	1	17:40	8	7.32	29.02	22.9	2.04	9	-	-	-
CR2	20181109	Fine	Moderate	Mid-Flood	S	1	17:40	8.07	7.36	29.09	22.8	1.94	10	-	-	-
C1	20181109	Fine	Moderate	Mid-Flood	B	11.3	18:13	8.07	7.44	29.11	22.8	4.76	10	-	-	-
C1	20181109	Fine	Moderate	Mid-Flood	B	11.3	18:13	8.02	7.36	29.04	23	4.84	11	-	-	-
C1	20181109	Fine	Moderate	Mid-Flood	M	6.2	18:13	8.01	7.3	29.04	23	4.53	9	-	-	-
C1	20181109	Fine	Moderate	Mid-Flood	M	6.2	18:14	8.03	7.28	29	23	4.63	8	-	-	-
C1	20181109	Fine	Moderate	Mid-Flood	S	1	18:14	8.06	7.34	29.1	22.9	1.73	8	-	-	-
C1	20181109	Fine	Moderate	Mid-Flood	S	1	18:15	8.11	7.33	29.12	22.8	1.7	7	-	-	-
B1	20181109	Fine	Moderate	Mid-Flood	B	4.7	18:38	8.18	7.43	29.06	22.9	4.63	10	-	-	-
B1	20181109	Fine	Moderate	Mid-Flood	B	4.7	18:38	8.11	7.35	29.04	22.8	4.72	10	-	-	-
B1	20181109	Fine	Moderate	Mid-Flood	S	1	18:39	8.01	7.29	29.15	22.8	1.69	8	-	-	-
B1	20181109	Fine	Moderate	Mid-Flood	S	1	18:39	7.98	7.34	29.19	23	1.69	8	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181109	Fine	Moderate	Mid-Flood	B	4.6	18:56	7.99	7.34	29.04	22.8	5.93	14	-	-	-
B2	20181109	Fine	Moderate	Mid-Flood	B	4.6	18:57	8.03	7.29	29.17	23	5.94	13	-	-	-
B2	20181109	Fine	Moderate	Mid-Flood	S	1	18:57	7.99	7.22	29.1	22.9	1.47	13	-	-	-
B2	20181109	Fine	Moderate	Mid-Flood	S	1	18:58	8.08	7.15	29.08	22.8	1.54	12	-	-	-
H1	20181109	Fine	Moderate	Mid-Flood	B	7.9	19:21	8.13	7.19	29.18	23	5.46	8	-	-	-
H1	20181109	Fine	Moderate	Mid-Flood	B	7.9	19:21	8.22	7.23	29.12	22.9	5.36	9	-	-	-
H1	20181109	Fine	Moderate	Mid-Flood	M	4.5	19:22	8.2	7.3	29.17	22.9	3.7	11	-	-	-
H1	20181109	Fine	Moderate	Mid-Flood	M	4.5	19:22	8.17	7.27	29.06	22.9	3.71	10	-	-	-
H1	20181109	Fine	Moderate	Mid-Flood	S	1	19:23	8.15	7.3	29.08	22.9	2.16	10	-	-	-
H1	20181109	Fine	Moderate	Mid-Flood	S	1	19:23	8.25	7.37	29.13	22.9	2.16	10	-	-	-
B3	20181109	Fine	Moderate	Mid-Flood	B	4.4	19:36	8.23	7.27	29.07	22.9	5.85	9	-	-	-
B3	20181109	Fine	Moderate	Mid-Flood	B	4.4	19:37	8.33	7.32	29.02	22.8	5.86	8	-	-	-
B3	20181109	Fine	Moderate	Mid-Flood	S	1	19:37	8.33	7.3	29.06	22.9	1.04	8	-	-	-
B3	20181109	Fine	Moderate	Mid-Flood	S	1	19:37	8.36	7.25	29.14	23	0.99	9	-	-	-
B4	20181109	Fine	Moderate	Mid-Flood	B	4.7	19:49	8.29	7.2	29.09	22.8	4.96	10	-	-	-
B4	20181109	Fine	Moderate	Mid-Flood	B	4.7	19:49	8.22	7.1	29.16	23	4.99	11	-	-	-
B4	20181109	Fine	Moderate	Mid-Flood	S	1	19:50	8.13	7.06	29.14	22.8	2.9	8	-	-	-
B4	20181109	Fine	Moderate	Mid-Flood	S	1	19:50	8.04	7.13	29.11	22.9	2.97	8	-	-	-
F1	20181109	Fine	Moderate	Mid-Flood	B	8.1	20:19	8.12	7.14	29.01	23	5.77	9	-	-	-
F1	20181109	Fine	Moderate	Mid-Flood	B	8.1	20:20	8.09	7.22	29.04	23	5.68	10	-	-	-
F1	20181109	Fine	Moderate	Mid-Flood	M	4.6	20:20	8.06	7.22	29.06	22.8	3.37	8	-	-	-
F1	20181109	Fine	Moderate	Mid-Flood	M	4.6	20:21	8.02	7.23	29.05	22.9	3.27	9	-	-	-
F1	20181109	Fine	Moderate	Mid-Flood	S	1	20:21	8.02	7.26	29.03	23	1.05	7	-	-	-
F1	20181109	Fine	Moderate	Mid-Flood	S	1	20:21	7.93	7.34	29.12	22.9	0.97	8	-	-	-
M1	20181109	Fine	Moderate	Mid-Flood	B	8.2	20:49	7.9	7.3	29.08	22.9	4.57	11	-	-	-
M1	20181109	Fine	Moderate	Mid-Flood	B	8.2	20:49	7.85	7.25	29.15	22.9	4.52	10	-	-	-
M1	20181109	Fine	Moderate	Mid-Flood	M	4.6	20:49	7.86	7.17	29.03	22.8	3.3	10	-	-	-
M1	20181109	Fine	Moderate	Mid-Flood	M	4.6	20:50	7.92	7.14	29.09	23	3.27	9	-	-	-
M1	20181109	Fine	Moderate	Mid-Flood	S	1	20:50	7.98	7.09	29.05	22.8	1.11	9	-	-	-

Contract No. EP/SP/66/12  
Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181109	Fine	Moderate	Mid-Flood	S	1	20:51	7.92	7.14	29.08	22.8	1.19	8	-	-	-
C2	20181113	Sunny	Light	Mid-Flood	B	9.4	9:09	7.88	8.09	29.58	22.1	4.6	22	-	-	-
C2	20181113	Sunny	Light	Mid-Flood	B	9.4	9:09	7.86	8.15	29.63	22.2	4.54	23	-	-	-
C2	20181113	Sunny	Light	Mid-Flood	M	5.2	9:09	7.99	8.13	29.67	22.1	3.32	- note 2	-	-	-
C2	20181113	Sunny	Light	Mid-Flood	M	5.2	9:10	8.05	8.14	29.62	22.1	3.24	20	-	-	-
C2	20181113	Sunny	Light	Mid-Flood	S	1	9:10	7.99	8.18	29.52	22.2	2.59	19	-	-	-
C2	20181113	Sunny	Light	Mid-Flood	S	1	9:10	7.98	8.2	29.58	22.1	2.6	19	-	-	-
CR1	20181113	Sunny	Light	Mid-Flood	B	8.3	9:37	8.12	8.11	29.63	22.2	5.92	16	-	-	-
CR1	20181113	Sunny	Light	Mid-Flood	B	8.3	9:37	8.27	8.2	29.58	22.1	5.97	17	-	-	-
CR1	20181113	Sunny	Light	Mid-Flood	M	4.7	9:38	8.19	8.11	29.56	22.1	3.27	14	-	-	-
CR1	20181113	Sunny	Light	Mid-Flood	M	4.7	9:38	8.29	8.18	29.43	22.1	3.24	16	-	-	-
CR1	20181113	Sunny	Light	Mid-Flood	S	1	9:38	8.21	8.06	29.43	22.1	1.99	14	-	-	-
CR1	20181113	Sunny	Light	Mid-Flood	S	1	9:39	8.19	8.06	29.35	22.2	1.96	15	-	-	-
CR2	20181113	Sunny	Light	Mid-Flood	B	8.3	9:52	7.68	8.15	29.55	22.2	4.74	12	-	-	-
CR2	20181113	Sunny	Light	Mid-Flood	B	8.3	9:52	7.82	8.08	29.61	22.1	4.73	13	-	-	-
CR2	20181113	Sunny	Light	Mid-Flood	M	4.7	9:53	7.79	8.11	29.56	22.1	4.69	11	-	-	-
CR2	20181113	Sunny	Light	Mid-Flood	M	4.7	9:53	7.75	8.19	29.59	22.1	4.59	12	-	-	-
CR2	20181113	Sunny	Light	Mid-Flood	S	1	9:54	7.73	8.12	29.54	22.2	2.99	11	-	-	-
CR2	20181113	Sunny	Light	Mid-Flood	S	1	9:54	7.84	8.18	29.4	22.1	2.98	11	-	-	-
C1	20181113	Sunny	Light	Mid-Flood	B	11.2	10:24	8.1	8.09	29.61	22.2	5.99	12	-	-	-
C1	20181113	Sunny	Light	Mid-Flood	B	11.2	10:25	8.07	8.07	29.6	22.1	6.04	13	-	-	-
C1	20181113	Sunny	Light	Mid-Flood	M	6.1	10:25	8.12	8.08	29.47	22.2	3.98	12	-	-	-
C1	20181113	Sunny	Light	Mid-Flood	M	6.1	10:26	8.02	8.07	29.38	22.1	3.97	12	-	-	-
C1	20181113	Sunny	Light	Mid-Flood	S	1	10:26	8.1	8.1	29.36	22.2	2.82	10	-	-	-
C1	20181113	Sunny	Light	Mid-Flood	S	1	10:26	8.25	8.16	29.3	22.1	2.82	10	-	-	-
B1	20181113	Sunny	Light	Mid-Flood	B	4.8	10:53	7.76	8.2	29.63	22.2	5.16	23	-	-	-
B1	20181113	Sunny	Light	Mid-Flood	B	4.8	10:53	7.83	8.14	29.64	22.1	5.1	24	-	-	-
B1	20181113	Sunny	Light	Mid-Flood	S	1	10:53	7.73	8.16	29.55	22.2	1.25	19	-	-	-
B1	20181113	Sunny	Light	Mid-Flood	S	1	10:54	7.72	8.12	29.4	22.1	1.32	18	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181113	Sunny	Light	Mid-Flood	B	4.7	11:08	8	8.06	29.59	22.2	4.31	17	-	-	-
B2	20181113	Sunny	Light	Mid-Flood	B	4.7	11:09	8.09	8.06	29.64	22.2	4.4	18	-	-	-
B2	20181113	Sunny	Light	Mid-Flood	S	1	11:09	8.07	8.13	29.67	22.1	1.57	17	-	-	-
B2	20181113	Sunny	Light	Mid-Flood	S	1	11:09	8.18	8.08	29.71	22.1	1.62	16	-	-	-
H1	20181113	Sunny	Light	Mid-Flood	B	8.1	11:32	7.86	8.2	29.52	22.1	4.57	14	-	-	-
H1	20181113	Sunny	Light	Mid-Flood	B	8.1	11:32	7.85	8.1	29.41	22.1	4.49	14	-	-	-
H1	20181113	Sunny	Light	Mid-Flood	M	4.6	11:33	7.84	8.15	29.39	22.1	4.06	14	-	-	-
H1	20181113	Sunny	Light	Mid-Flood	M	4.6	11:33	7.76	8.2	29.35	22.1	4.11	13	-	-	-
H1	20181113	Sunny	Light	Mid-Flood	S	1	11:33	7.87	8.09	29.33	22.2	2.23	14	-	-	-
H1	20181113	Sunny	Light	Mid-Flood	S	1	11:34	8.02	8.13	29.18	22.1	2.16	13	-	-	-
B3	20181113	Sunny	Light	Mid-Flood	B	4.5	11:51	7.95	8.2	29.64	22.1	4.87	15	-	-	-
B3	20181113	Sunny	Light	Mid-Flood	B	4.5	11:51	7.88	8.18	29.5	22.1	4.93	16	-	-	-
B3	20181113	Sunny	Light	Mid-Flood	S	1	11:52	7.89	8.19	29.56	22.1	1.35	13	-	-	-
B3	20181113	Sunny	Light	Mid-Flood	S	1	11:52	7.94	8.2	29.49	22.1	1.41	12	-	-	-
B4	20181113	Sunny	Light	Mid-Flood	B	4.6	11:59	8.13	8.07	29.55	22.1	4.9	18	-	-	-
B4	20181113	Sunny	Light	Mid-Flood	B	4.6	11:59	8.06	8.19	29.53	22.1	4.82	18	-	-	-
B4	20181113	Sunny	Light	Mid-Flood	S	1	11:59	8.2	8.19	29.39	22.1	2.8	16	-	-	-
B4	20181113	Sunny	Light	Mid-Flood	S	1	12:00	8.13	8.1	29.42	22.2	2.71	16	-	-	-
F1	20181113	Sunny	Light	Mid-Flood	B	8	12:35	7.98	8.19	29.55	22.1	4.89	17	-	-	-
F1	20181113	Sunny	Light	Mid-Flood	B	8	12:36	8.03	8.06	29.51	22.1	4.98	17	-	-	-
F1	20181113	Sunny	Light	Mid-Flood	M	4.5	12:36	8.07	8.14	29.47	22.1	4.74	16	-	-	-
F1	20181113	Sunny	Light	Mid-Flood	M	4.5	12:36	8.14	8.12	29.35	22.1	4.66	16	-	-	-
F1	20181113	Sunny	Light	Mid-Flood	S	1	12:37	8.07	8.13	29.42	22.1	2.48	16	-	-	-
F1	20181113	Sunny	Light	Mid-Flood	S	1	12:37	8.18	8.18	29.5	22.1	2.46	14	-	-	-
M1	20181113	Sunny	Light	Mid-Flood	B	8.3	13:04	8.06	8.09	29.53	22.1	4.74	14	-	-	-
M1	20181113	Sunny	Light	Mid-Flood	B	8.3	13:05	8.1	8.12	29.42	22.1	4.79	15	-	-	-
M1	20181113	Sunny	Light	Mid-Flood	M	4.7	13:05	8.03	8.08	29.43	22.1	3.18	11	-	-	-
M1	20181113	Sunny	Light	Mid-Flood	M	4.7	13:06	8.17	8.09	29.32	22.1	3.14	11	-	-	-
M1	20181113	Sunny	Light	Mid-Flood	S	1	13:06	8.12	8.11	29.17	22.1	2.46	9	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181113	Sunny	Light	Mid-Flood	S	1	13:06	8.22	8.18	29.08	22.1	2.55	9	-	-	-
C1	20181113	Cloudy	Moderate	Mid-Ebb	B	10.7	14:39	7.61	8.07	29.61	22.2	5.4	14	-	-	-
C1	20181113	Cloudy	Moderate	Mid-Ebb	B	10.7	14:39	7.73	8.08	29.56	22.1	5.46	13	-	-	-
C1	20181113	Cloudy	Moderate	Mid-Ebb	M	5.4	14:40	7.69	8.09	29.51	22.1	4.42	12	-	-	-
C1	20181113	Cloudy	Moderate	Mid-Ebb	M	5.4	14:40	7.8	8.1	29.51	22.1	4.41	13	-	-	-
C1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	14:40	7.9	8.16	29.46	22.1	2	10	-	-	-
C1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	14:41	7.98	8.19	29.35	22.1	1.92	10	-	-	-
B1	20181113	Cloudy	Moderate	Mid-Ebb	B	4.1	15:03	8.08	8.2	29.52	22.1	5.93	13	-	-	-
B1	20181113	Cloudy	Moderate	Mid-Ebb	B	4.1	15:03	8.17	8.07	29.38	22.2	5.94	13	-	-	-
B1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:04	8.29	8.1	29.36	22.2	2.18	11	-	-	-
B1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:04	8.23	8.2	29.46	22.2	2.08	10	-	-	-
B2	20181113	Cloudy	Moderate	Mid-Ebb	B	4.2	15:16	7.85	8.14	29.65	22.1	5.57	14	-	-	-
B2	20181113	Cloudy	Moderate	Mid-Ebb	B	4.2	15:16	7.82	8.06	29.56	22.2	5.62	14	-	-	-
B2	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:16	7.95	8.15	29.42	22.2	2.9	11	-	-	-
B2	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:17	7.96	8.18	29.32	22.1	2.8	11	-	-	-
H1	20181113	Cloudy	Moderate	Mid-Ebb	B	7.8	15:37	7.67	8.13	29.54	22.1	4.41	12	-	-	-
H1	20181113	Cloudy	Moderate	Mid-Ebb	B	7.8	15:37	7.57	8.08	29.54	22.1	4.41	11	-	-	-
H1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.4	15:38	7.66	8.13	29.57	22.1	4.38	10	-	-	-
H1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.4	15:38	7.64	8.11	29.63	22.1	4.29	10	-	-	-
H1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:39	7.73	8.16	29.53	22.1	1.92	7	-	-	-
H1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:39	7.88	8.2	29.56	22.2	1.9	8	-	-	-
CR2	20181113	Cloudy	Moderate	Mid-Ebb	B	8	15:55	7.65	8.13	29.59	22.1	4.32	11	-	-	-
CR2	20181113	Cloudy	Moderate	Mid-Ebb	B	8	15:56	7.75	8.06	29.59	22.1	4.37	10	-	-	-
CR2	20181113	Cloudy	Moderate	Mid-Ebb	M	4.5	15:56	7.72	8.15	29.48	22.1	3.5	9	-	-	-
CR2	20181113	Cloudy	Moderate	Mid-Ebb	M	4.5	15:57	7.76	8.07	29.49	22.1	3.51	9	-	-	-
CR2	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:57	7.73	8.08	29.37	22.2	2.5	8	-	-	-
CR2	20181113	Cloudy	Moderate	Mid-Ebb	S	1	15:57	7.88	8.11	29.31	22.1	2.5	8	-	-	-
CR1	20181113	Cloudy	Moderate	Mid-Ebb	B	8	16:07	8.04	8.1	29.65	22.2	5.84	10	-	-	-
CR1	20181113	Cloudy	Moderate	Mid-Ebb	B	8	16:07	8.02	8.16	29.68	22.1	5.93	9	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.5	16:07	8.03	8.14	29.75	22.1	4.62	8	-	-	-
CR1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.5	16:08	7.96	8.15	29.68	22.1	4.72	7	-	-	-
CR1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	16:08	7.88	8.2	29.56	22.1	1.52	7	-	-	-
CR1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	16:09	8	8.07	29.56	22.1	1.42	7	-	-	-
B3	20181113	Cloudy	Moderate	Mid-Ebb	B	4.3	16:38	8.08	8.11	29.53	22.2	5.78	17	-	-	-
B3	20181113	Cloudy	Moderate	Mid-Ebb	B	4.3	16:38	8.04	8.07	29.63	22.1	5.88	17	-	-	-
B3	20181113	Cloudy	Moderate	Mid-Ebb	S	1	16:39	8.02	8.19	29.56	22.1	2.63	13	-	-	-
B3	20181113	Cloudy	Moderate	Mid-Ebb	S	1	16:39	8.15	8.08	29.58	22.2	2.57	13	-	-	-
B4	20181113	Cloudy	Moderate	Mid-Ebb	B	4.2	16:46	7.74	8.18	29.56	22.1	4.57	14	-	-	-
B4	20181113	Cloudy	Moderate	Mid-Ebb	B	4.2	16:46	7.87	8.2	29.48	22.1	4.6	15	-	-	-
B4	20181113	Cloudy	Moderate	Mid-Ebb	S	1	16:46	8.02	8.14	29.57	22.2	2.14	12	-	-	-
B4	20181113	Cloudy	Moderate	Mid-Ebb	S	1	16:47	8.08	8.1	29.51	22.1	2.15	13	-	-	-
C2	20181113	Cloudy	Moderate	Mid-Ebb	B	8.4	17:01	7.71	8.2	29.56	22.2	5.53	18	-	-	-
C2	20181113	Cloudy	Moderate	Mid-Ebb	B	8.4	17:01	7.61	8.08	29.65	22.1	5.59	17	-	-	-
C2	20181113	Cloudy	Moderate	Mid-Ebb	M	4.7	17:02	7.51	8.14	29.69	22.1	4.82	17	-	-	-
C2	20181113	Cloudy	Moderate	Mid-Ebb	M	4.7	17:02	7.47	8.09	29.74	22.2	4.84	17	-	-	-
C2	20181113	Cloudy	Moderate	Mid-Ebb	S	1	17:03	7.48	8.13	29.75	22.1	1.97	14	-	-	-
C2	20181113	Cloudy	Moderate	Mid-Ebb	S	1	17:03	7.51	8.15	29.84	22.1	2.04	14	-	-	-
F1	20181113	Cloudy	Moderate	Mid-Ebb	B	8.1	17:21	7.61	8.11	29.61	22.1	5.96	11	-	-	-
F1	20181113	Cloudy	Moderate	Mid-Ebb	B	8.1	17:22	7.52	8.15	29.64	22.1	5.86	12	-	-	-
F1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.6	17:22	7.45	8.14	29.5	22.1	4.93	10	-	-	-
F1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.6	17:23	7.53	8.08	29.55	22.1	4.9	11	-	-	-
F1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	17:23	7.47	8.19	29.59	22.1	2.34	10	-	-	-
F1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	17:23	7.54	8.12	29.66	22.1	2.34	11	-	-	-
M1	20181113	Cloudy	Moderate	Mid-Ebb	B	8.2	17:47	7.94	8.12	29.61	22.1	5.46	15	-	-	-
M1	20181113	Cloudy	Moderate	Mid-Ebb	B	8.2	17:47	7.98	8.11	29.55	22.1	5.45	15	-	-	-
M1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.6	17:47	7.93	8.2	29.55	22.2	4.97	14	-	-	-
M1	20181113	Cloudy	Moderate	Mid-Ebb	M	4.6	17:48	8	8.17	29.42	22.1	4.95	14	-	-	-
M1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	17:48	8.02	8.18	29.43	22.1	1.68	12	-	-	-

Contract No. EP/SP/66/12  
Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181113	Cloudy	Moderate	Mid-Ebb	S	1	17:49	8.02	8.09	29.47	22.1	1.61	13	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Ebb	B	10.9	8:01	7.77	8.08	29.36	22.4	4.46	21	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Ebb	B	10.9	8:01	7.95	8.13	29.39	22.5	4.39	23	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Ebb	M	6	8:01	8.09	8.09	29.43	22.5	2.55	20	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Ebb	M	6	8:02	8.19	8.16	29.4	22.5	2.53	19	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	8:02	8.27	8.13	29.35	22.4	2.59	18	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	8:02	8.37	8.16	29.36	22.4	2.5	17	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Ebb	B	7.9	8:35	7.6	8.08	29.87	22.4	5.1	21	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Ebb	B	7.9	8:35	7.72	8.17	29.77	22.5	5.11	20	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Ebb	M	4.5	8:36	7.67	8.16	29.72	22.4	3.7	19	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Ebb	M	4.5	8:36	7.63	8.14	29.79	22.4	3.76	19	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Ebb	S	1	8:36	7.81	8.12	29.83	22.4	2.76	20	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Ebb	S	1	8:37	7.89	8.07	29.76	22.4	2.7	20	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Ebb	B	8	8:51	7.78	8.12	29.84	22.4	4.95	18	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Ebb	B	8	8:51	7.86	8.16	29.82	22.4	4.96	21	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.5	8:52	7.98	8.12	29.77	22.4	2.01	21	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.5	8:52	8.05	8.2	29.75	22.4	2.04	18	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	8:53	8.18	8.1	29.71	22.5	3.56	19	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	8:53	8.36	8.07	29.69	22.4	3.66	22	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Ebb	B	7.8	9:10	7.65	8.09	29.67	22.5	4.21	19	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Ebb	B	7.8	9:11	7.71	8.19	29.61	22.4	4.28	20	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.4	9:11	7.9	8.11	29.55	22.5	2.99	18	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.4	9:12	8.02	8.14	29.48	22.5	3.05	16	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	9:12	8.17	8.2	29.51	22.4	2.79	19	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	9:12	8.33	8.1	29.57	22.4	2.78	20	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Ebb	B	4.3	9:35	7.68	8.19	29.41	22.4	4.35	18	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Ebb	B	4.3	9:35	7.58	8.19	29.48	22.4	4.44	16	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	9:35	7.77	8.19	29.39	22.5	3.08	16	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	9:36	7.9	8.1	29.37	22.4	3.11	14	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181115	Cloudy	Moderate	Mid-Ebb	B	4.4	9:50	7.76	8.09	29.8	22.4	4.88	14	-	-	-
B2	20181115	Cloudy	Moderate	Mid-Ebb	B	4.4	9:51	7.66	8.19	29.73	22.4	4.96	14	-	-	-
B2	20181115	Cloudy	Moderate	Mid-Ebb	S	1	9:51	7.61	8.12	29.72	22.4	3.31	15	-	-	-
B2	20181115	Cloudy	Moderate	Mid-Ebb	S	1	9:51	7.78	8.16	29.75	22.4	3.25	13	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Ebb	B	4.4	10:14	7.67	8.1	29.68	22.5	5.07	15	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Ebb	B	4.4	10:14	7.72	8.11	29.78	22.4	5.03	17	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Ebb	S	1	10:15	7.85	8.12	29.88	22.4	3.97	13	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Ebb	S	1	10:15	8.03	8.09	29.8	22.4	3.99	15	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Ebb	B	4.2	10:24	7.66	8.15	29.5	22.4	5.71	18	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Ebb	B	4.2	10:25	7.86	8.15	29.49	22.4	5.69	17	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Ebb	S	1	10:25	8.04	8.09	29.56	22.5	3.7	15	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Ebb	S	1	10:25	7.99	8.19	29.6	22.5	3.72	16	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Ebb	B	8.6	10:35	7.51	8.11	29.75	22.4	5.25	24	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Ebb	B	8.6	10:35	7.58	8.09	29.67	22.4	5.16	23	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Ebb	M	4.8	10:36	7.62	8.11	29.7	22.4	4.96	20	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Ebb	M	4.8	10:36	7.59	8.12	29.61	22.4	4.95	22	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Ebb	S	1	10:36	7.54	8.18	29.57	22.4	2.76	15	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Ebb	S	1	10:37	7.62	8.07	29.5	22.4	2.73	14	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Ebb	B	8.2	10:59	7.6	8.1	29.1	22.4	5.45	12	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Ebb	B	8.2	11:00	7.56	8.16	29.04	22.5	5.49	14	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.6	11:00	7.63	8.13	29.09	22.4	3	12	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.6	11:00	7.59	8.13	29.15	22.4	2.96	12	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	11:01	7.58	8.06	29.13	22.5	2.95	11	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	11:01	7.72	8.11	29.19	22.4	3.03	11	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Ebb	B	7.9	11:29	7.56	8.09	29.38	22.5	4.49	21	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Ebb	B	7.9	11:30	7.61	8.06	29.42	22.4	4.52	19	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.5	11:30	7.78	8.07	29.39	22.5	2.4	19	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Ebb	M	4.5	11:31	7.91	8.2	29.49	22.4	2.46	18	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	11:31	8.05	8.17	29.43	22.5	3.18	17	-	-	-



Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181115	Cloudy	Moderate	Mid-Ebb	S	1	11:31	8.02	8.08	29.48	22.4	3.21	18	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Flood	B	9.4	14:04	7.58	8.09	29.53	22.5	4.53	17	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Flood	B	9.4	14:04	7.75	8.14	29.47	22.5	4.46	18	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Flood	M	5.2	14:05	7.86	8.16	29.52	22.4	4.69	18	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Flood	M	5.2	14:05	8.06	8.13	29.42	22.4	4.63	18	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Flood	S	1	14:05	8.25	8.15	29.34	22.4	3.5	14	-	-	-
C2	20181115	Cloudy	Moderate	Mid-Flood	S	1	14:06	8.42	8.16	29.28	22.4	3.43	15	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Flood	B	8.5	14:29	7.57	8.11	29.8	22.5	4.87	19	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Flood	B	8.5	14:29	7.62	8.13	29.8	22.4	4.83	19	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Flood	M	4.8	14:30	7.67	8.12	29.75	22.4	2.97	19	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Flood	M	4.8	14:30	7.78	8.06	29.72	22.4	2.93	18	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Flood	S	1	14:31	7.76	8.14	29.63	22.4	2.52	20	-	-	-
CR2	20181115	Cloudy	Moderate	Mid-Flood	S	1	14:31	7.87	8.15	29.58	22.5	2.43	19	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Flood	B	8.4	14:42	7.54	8.14	29.27	22.4	5.62	14	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Flood	B	8.4	14:43	7.54	8.15	29.29	22.4	5.68	13	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Flood	M	4.7	14:43	7.6	8.2	29.26	22.4	4.6	13	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Flood	M	4.7	14:43	7.73	8.09	29.24	22.5	4.57	12	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Flood	S	1	14:44	7.79	8.2	29.3	22.5	2.06	10	-	-	-
CR1	20181115	Cloudy	Moderate	Mid-Flood	S	1	14:44	7.91	8.13	29.27	22.4	1.97	10	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Flood	B	11.2	15:24	7.57	8.06	29.92	22.5	5.05	18	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Flood	B	11.2	15:24	7.52	8.08	29.94	22.5	5.06	18	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Flood	M	6.1	15:24	7.61	8.17	29.94	22.4	3.1	15	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Flood	M	6.1	15:25	7.67	8.16	29.95	22.4	3.19	14	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Flood	S	1	15:25	7.59	8.13	29.95	22.4	3.31	10	-	-	-
C1	20181115	Cloudy	Moderate	Mid-Flood	S	1	15:26	7.77	8.2	30.02	22.5	3.31	11	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Flood	B	4.8	15:49	7.75	8.14	29.92	22.4	4.79	12	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Flood	B	4.8	15:49	7.68	8.11	30	22.5	4.82	11	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Flood	S	1	15:50	7.62	8.2	29.9	22.4	3.51	11	-	-	-
B1	20181115	Cloudy	Moderate	Mid-Flood	S	1	15:50	7.68	8.18	29.91	22.4	3.59	11	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181115	Cloudy	Moderate	Mid-Flood	B	4.9	16:02	7.79	8.16	29.89	22.4	4.65	16	-	-	-
B2	20181115	Cloudy	Moderate	Mid-Flood	B	4.9	16:03	7.77	8.12	29.83	22.5	4.6	16	-	-	-
B2	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:03	7.75	8.13	29.81	22.4	2.74	14	-	-	-
B2	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:04	7.76	8.16	29.73	22.5	2.66	15	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Flood	B	7.8	16:25	7.54	8.13	29.34	22.5	5.02	16	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Flood	B	7.8	16:25	7.52	8.07	29.25	22.4	5.06	15	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Flood	M	4.4	16:26	7.57	8.13	29.23	22.4	4.25	15	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Flood	M	4.4	16:26	7.73	8.2	29.13	22.4	4.2	16	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:27	7.8	8.07	29.16	22.4	2.13	14	-	-	-
H1	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:27	7.9	8.13	29.1	22.4	2.22	15	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Flood	B	4.7	16:35	7.62	8.11	29.18	22.4	4.73	14	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Flood	B	4.7	16:36	7.62	8.18	29.12	22.4	4.83	14	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:36	7.77	8.16	29.2	22.5	2.98	14	-	-	-
B3	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:36	7.69	8.1	29.19	22.4	2.9	15	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Flood	B	4.6	16:46	7.6	8.09	29.24	22.4	4.7	16	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Flood	B	4.6	16:46	7.68	8.07	29.15	22.5	4.62	15	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:47	7.81	8.13	29.17	22.4	3.43	13	-	-	-
B4	20181115	Cloudy	Moderate	Mid-Flood	S	1	16:47	7.88	8.18	29.11	22.4	3.48	13	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Flood	B	8	17:14	7.72	8.06	29.33	22.4	5.47	16	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Flood	B	8	17:15	7.72	8.17	29.23	22.5	5.48	16	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Flood	M	4.5	17:15	7.72	8.19	29.18	22.5	4.15	15	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Flood	M	4.5	17:16	7.68	8.13	29.13	22.4	4.14	16	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Flood	S	1	17:16	7.77	8.18	29.09	22.4	3.72	18	-	-	-
F1	20181115	Cloudy	Moderate	Mid-Flood	S	1	17:16	7.94	8.12	29.03	22.4	3.74	17	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Flood	B	8.2	17:45	7.68	8.15	29.96	22.4	5.27	12	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Flood	B	8.2	17:45	7.84	8.11	29.94	22.4	5.36	12	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Flood	M	4.6	17:45	7.94	8.16	29.96	22.4	3.05	12	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Flood	M	4.6	17:46	8.02	8.09	29.94	22.4	2.96	12	-	-	-
M1	20181115	Cloudy	Moderate	Mid-Flood	S	1	17:46	8.09	8.07	30.02	22.4	2.16	15	-	-	-

Contract No. EP/SP/66/12  
Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181115	Cloudy	Moderate	Mid-Flood	S	1	17:47	7.99	8.2	29.98	22.4	2.11	15	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Ebb	B	10.7	8:30	7.91	8.07	30.23	21.6	6.32	12	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Ebb	B	10.7	8:30	7.89	8.14	30.17	21.6	6.33	13	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Ebb	M	5.9	8:30	7.85	8.17	30.19	21.6	4.96	7	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Ebb	M	5.9	8:31	7.89	8.06	30.17	21.6	5	7	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	8:31	7.76	8.12	30.13	21.6	2.35	6	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	8:31	7.67	8.19	30	21.6	2.2	5	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Ebb	B	4.4	8:54	8.48	8.14	30.05	21.6	5.69	4	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Ebb	B	4.4	8:54	8.59	8.09	29.9	21.5	5.6	4	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	8:55	8.73	8.09	30.01	21.5	1.54	5	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	8:55	8.86	8.06	30.1	21.6	1.69	6	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Ebb	B	4.3	9:14	8.12	8.09	30.32	21.6	5.45	5	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Ebb	B	4.3	9:15	8.22	8.18	30.38	21.5	5.55	6	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Ebb	S	1	9:15	8.36	8.19	30.3	21.6	2.97	7	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Ebb	S	1	9:15	8.36	8.16	30.41	21.5	3.08	6	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Ebb	B	7.7	9:36	8.17	8.06	30.4	21.6	5.16	8	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Ebb	B	7.7	9:36	8.16	8.08	30.42	21.5	5.01	8	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.4	9:37	8.25	8.08	30.31	21.6	4.6	8	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.4	9:37	8.16	8.13	30.2	21.6	4.45	8	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	9:37	8.05	8.19	30.3	21.6	2.66	6	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	9:38	8.18	8.09	30.17	21.6	2.77	6	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Ebb	B	8	9:50	8.01	8.17	30.35	21.6	6.53	9	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Ebb	B	8	9:51	8.03	8.07	30.27	21.6	6.59	9	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Ebb	M	4.5	9:51	7.97	8.1	30.19	21.5	4.36	6	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Ebb	M	4.5	9:51	7.85	8.15	30.29	21.6	4.43	7	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Ebb	S	1	9:52	7.8	8.19	30.18	21.6	2.83	7	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Ebb	S	1	9:52	7.78	8.13	30.28	21.6	2.94	6	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Ebb	B	7.8	10:03	7.93	8.06	30.28	21.6	5.53	4	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Ebb	B	7.8	10:04	8.03	8.07	30.42	21.5	5.63	4	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.4	10:04	8.01	8.07	30.38	21.5	4.45	4	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.4	10:05	7.93	8.07	30.23	21.6	4.46	4	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:05	7.85	8.16	30.14	21.6	1.2	4	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:05	7.8	8.08	30.28	21.6	1.32	4	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Ebb	B	4.2	10:31	8.37	8.06	30.05	21.6	6.73	8	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Ebb	B	4.2	10:31	8.23	8.16	30.14	21.5	6.6	8	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:32	8.34	8.2	30.01	21.6	1.96	9	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:32	8.42	8.12	29.92	21.6	1.84	9	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Ebb	B	4.3	10:41	8.01	8.15	30.01	21.6	5.89	12	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Ebb	B	4.3	10:42	7.94	8.1	30.1	21.5	5.75	11	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:42	7.8	8.2	30.03	21.6	1.2	9	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:42	7.9	8.13	30.18	21.6	1.07	9	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Ebb	B	8.4	10:51	8.04	8.19	30.08	21.6	6.06	9	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Ebb	B	8.4	10:51	8.01	8.13	29.95	21.5	5.97	10	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Ebb	M	4.7	10:52	7.93	8.18	29.86	21.6	3.25	8	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Ebb	M	4.7	10:52	7.93	8.15	29.74	21.5	3.11	9	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:52	7.91	8.17	29.84	21.5	1.06	8	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Ebb	S	1	10:53	7.93	8.17	29.79	21.5	1.17	9	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Ebb	B	8.1	11:15	8.05	8.19	30.36	21.6	5.97	13	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Ebb	B	8.1	11:16	7.92	8.2	30.39	21.5	5.92	14	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.6	11:16	7.91	8.12	30.4	21.5	3.56	12	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.6	11:16	8.05	8.19	30.4	21.6	3.42	11	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	11:17	7.98	8.11	30.33	21.5	1.03	9	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	11:17	7.94	8.11	30.31	21.6	1.05	10	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Ebb	B	8	11:43	7.97	8.15	30.05	21.7	6.12	10	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Ebb	B	8	11:44	7.95	8.08	30.1	21.6	6.16	9	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.5	11:44	7.84	8.12	30.23	21.6	4.37	11	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Ebb	M	4.5	11:45	7.87	8.17	30.3	21.7	4.51	10	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	11:45	7.97	8.08	30.41	21.5	1.52	15	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181117	Cloudy	Moderate	Mid-Ebb	S	1	11:45	8.09	8.1	30.28	21.6	1.49	14	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Flood	B	9.2	13:22	7.92	8.07	30.18	21.5	6.96	9	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Flood	B	9.2	13:22	7.81	8.15	30.15	21.7	6.99	10	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Flood	M	5.1	13:23	7.72	8.2	30.27	21.7	3.78	8	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Flood	M	5.1	13:23	7.63	8.06	30.38	21.5	3.73	9	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:23	7.73	8.06	30.52	21.5	2.53	8	-	-	-
C2	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:24	7.79	8.09	30.54	21.6	2.67	9	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Flood	B	4.8	13:36	8.05	8.11	30.17	21.5	6.58	7	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Flood	B	4.8	13:36	8.16	8.12	30.14	21.6	6.52	7	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:37	8.2	8.19	30.24	21.5	1.04	6	-	-	-
B4	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:37	8.22	8.11	30.19	21.7	1.02	6	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Flood	B	4.6	13:44	8.14	8.08	30.16	21.5	5.35	7	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Flood	B	4.6	13:44	8.02	8.08	30.06	21.6	5.4	7	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:44	8.13	8.07	29.96	21.6	1.86	5	-	-	-
B3	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:45	8.01	8.1	29.91	21.6	1.94	5	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Flood	B	8.2	13:55	8.49	8.15	30.15	21.5	6.13	5	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Flood	B	8.2	13:55	8.48	8.13	30.19	21.5	6.2	6	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Flood	M	4.6	13:56	8.46	8.16	30.04	21.6	3.83	4	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Flood	M	4.6	13:56	8.58	8.13	30.1	21.6	3.9	5	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:57	8.64	8.11	30.06	21.6	2.41	4	-	-	-
H1	20181117	Cloudy	Moderate	Mid-Flood	S	1	13:57	8.54	8.2	30.2	21.6	2.46	5	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Flood	B	8.6	14:14	7.9	8.15	30.26	21.6	5.32	7	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Flood	B	8.6	14:15	7.75	8.18	30.37	21.6	5.36	6	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Flood	M	4.8	14:15	7.82	8.14	30.44	21.5	3.69	5	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Flood	M	4.8	14:16	7.73	8.1	30.36	21.5	3.58	6	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Flood	S	1	14:16	7.59	8.06	30.3	21.6	1.21	5	-	-	-
CR1	20181117	Cloudy	Moderate	Mid-Flood	S	1	14:16	7.65	8.15	30.35	21.6	1.23	4	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Flood	B	8.7	14:28	8.34	8.17	30.03	21.6	5.13	6	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Flood	B	8.7	14:28	8.45	8.18	29.98	21.6	5.28	6	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20181117	Cloudy	Moderate	Mid-Flood	M	4.9	14:28	8.49	8.09	29.83	21.6	3.28	6	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Flood	M	4.9	14:29	8.51	8.16	29.76	21.6	3.25	6	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Flood	S	1	14:29	8.53	8.13	29.62	21.6	1.93	6	-	-	-
CR2	20181117	Cloudy	Moderate	Mid-Flood	S	1	14:30	8.52	8.1	29.75	21.5	1.98	5	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Flood	B	11.4	14:54	8.32	8.11	30.22	21.5	5.25	7	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Flood	B	11.4	14:54	8.18	8.07	30.28	21.6	5.32	6	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Flood	M	6.2	14:55	8.17	8.14	30.39	21.7	4.19	6	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Flood	M	6.2	14:55	8.05	8.1	30.41	21.6	4.27	6	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Flood	S	1	14:56	8.16	8.17	30.54	21.6	2.78	7	-	-	-
C1	20181117	Cloudy	Moderate	Mid-Flood	S	1	14:56	8.11	8.11	30.62	21.5	2.81	6	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Flood	B	4.7	15:19	8	8.08	30.05	21.6	5.17	5	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Flood	B	4.7	15:20	8.05	8.17	30.2	21.6	5.22	5	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Flood	S	1	15:20	8.01	8.06	30.1	21.5	2.11	4	-	-	-
B1	20181117	Cloudy	Moderate	Mid-Flood	S	1	15:20	8.1	8.19	30	21.5	2.1	5	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Flood	B	4.5	15:32	7.95	8.08	30.06	21.6	5.96	5	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Flood	B	4.5	15:32	7.81	8.15	30.05	21.6	5.95	6	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Flood	S	1	15:33	7.71	8.13	29.96	21.6	1.75	5	-	-	-
B2	20181117	Cloudy	Moderate	Mid-Flood	S	1	15:33	7.81	8.13	29.89	21.5	1.65	6	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Flood	B	8.1	16:38	7.99	8.1	30.14	21.6	6.78	10	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Flood	B	8.1	16:39	8.14	8.06	30.13	21.6	6.92	9	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Flood	M	4.6	16:39	8.16	8.08	30.26	21.7	3.43	8	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Flood	M	4.6	16:40	8.08	8.06	30.12	21.5	3.28	8	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Flood	S	1	16:40	8.1	8.07	30.06	21.6	1.49	8	-	-	-
F1	20181117	Cloudy	Moderate	Mid-Flood	S	1	16:40	8.19	8.06	30.09	21.5	1.38	8	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Flood	B	8.2	17:07	8.04	8.15	30.33	21.5	6.1	9	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Flood	B	8.2	17:07	8.15	8.2	30.31	21.5	6.05	8	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Flood	M	4.6	17:07	8.25	8.2	30.32	21.6	3.25	8	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Flood	M	4.6	17:08	8.35	8.14	30.46	21.6	3.1	8	-	-	-
M1	20181117	Cloudy	Moderate	Mid-Flood	S	1	17:08	8.35	8.16	30.5	21.6	1.62	8	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181117	Cloudy	Moderate	Mid-Flood	S	1	17:09	8.23	8.18	30.61	21.7	1.63	8	-	-	-
C1	20181119	Sunny	Light	Mid-Ebb	B	10.8	7:19	7.81	8.18	30.37	21.6	5.11	9	-	-	-
C1	20181119	Sunny	Light	Mid-Ebb	B	10.8	7:19	7.89	8.14	30.43	21.5	5.19	10	-	-	-
C1	20181119	Sunny	Light	Mid-Ebb	M	5.9	7:19	7.99	8.15	30.2	21.6	3.49	8	-	-	-
C1	20181119	Sunny	Light	Mid-Ebb	M	5.9	7:20	7.87	8.13	30.42	21.6	3.29	8	-	-	-
C1	20181119	Sunny	Light	Mid-Ebb	S	1	7:20	7.75	8.17	30.5	21.6	1.23	7	-	-	-
C1	20181119	Sunny	Light	Mid-Ebb	S	1	7:20	7.76	8.12	30.32	21.6	1.31	8	-	-	-
B1	20181119	Sunny	Light	Mid-Ebb	B	4.4	7:54	8.06	8.17	30.58	21.5	6.28	4	-	-	-
B1	20181119	Sunny	Light	Mid-Ebb	B	4.4	7:54	8	8.12	30.49	21.5	6.45	3	-	-	-
B1	20181119	Sunny	Light	Mid-Ebb	S	1	7:55	8.06	8.2	30.3	21.5	1.59	4	-	-	-
B1	20181119	Sunny	Light	Mid-Ebb	S	1	7:55	8.19	8.18	30.21	21.5	1.63	5	-	-	-
B2	20181119	Sunny	Light	Mid-Ebb	B	4.3	8:10	8.26	8.07	30.42	21.6	6.38	5	-	-	-
B2	20181119	Sunny	Light	Mid-Ebb	B	4.3	8:11	8.12	8.1	30.33	21.6	6.24	5	-	-	-
B2	20181119	Sunny	Light	Mid-Ebb	S	1	8:11	8.11	8.09	30.48	21.5	1.12	6	-	-	-
B2	20181119	Sunny	Light	Mid-Ebb	S	1	8:11	8.24	8.12	30.48	21.6	1.17	5	-	-	-
H1	20181119	Sunny	Light	Mid-Ebb	B	7.7	8:34	8.38	8.1	30.25	21.6	6.88	9	-	-	-
H1	20181119	Sunny	Light	Mid-Ebb	B	7.7	8:34	8.44	8.12	30.42	21.6	6.95	8	-	-	-
H1	20181119	Sunny	Light	Mid-Ebb	M	4.4	8:35	8.59	8.14	30.48	21.6	4.46	7	-	-	-
H1	20181119	Sunny	Light	Mid-Ebb	M	4.4	8:35	8.72	8.15	30.39	21.6	4.62	7	-	-	-
H1	20181119	Sunny	Light	Mid-Ebb	S	1	8:35	8.73	8.15	30.2	21.5	2.48	8	-	-	-
H1	20181119	Sunny	Light	Mid-Ebb	S	1	8:36	8.64	8.11	30.5	21.6	2.68	8	-	-	-
CR2	20181119	Sunny	Light	Mid-Ebb	B	7.8	9:03	7.99	8.12	30.45	21.6	5.09	8	-	-	-
CR2	20181119	Sunny	Light	Mid-Ebb	B	7.8	9:04	8	8.17	30.49	21.6	5.01	8	-	-	-
CR2	20181119	Sunny	Light	Mid-Ebb	M	4.4	9:04	7.89	8.2	30.43	21.6	4.8	8	-	-	-
CR2	20181119	Sunny	Light	Mid-Ebb	M	4.4	9:04	7.96	8.12	30.28	21.6	4.95	7	-	-	-
CR2	20181119	Sunny	Light	Mid-Ebb	S	1	9:05	7.94	8.17	30.21	21.6	2.32	7	-	-	-
CR2	20181119	Sunny	Light	Mid-Ebb	S	1	9:05	7.94	8.09	30.43	21.6	2.23	8	-	-	-
CR1	20181119	Sunny	Light	Mid-Ebb	B	7.9	9:17	7.9	8.07	30.6	21.6	5.18	7	-	-	-
CR1	20181119	Sunny	Light	Mid-Ebb	B	7.9	9:18	8.03	8.07	30.59	21.6	5.17	6	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181119	Sunny	Light	Mid-Ebb	M	4.5	9:18	7.91	8.08	30.38	21.5	4.28	7	-	-	-
CR1	20181119	Sunny	Light	Mid-Ebb	M	4.5	9:19	7.78	8.14	30.27	21.6	4.43	8	-	-	-
CR1	20181119	Sunny	Light	Mid-Ebb	S	1	9:19	7.88	8.08	30.23	21.5	1.3	8	-	-	-
CR1	20181119	Sunny	Light	Mid-Ebb	S	1	9:19	7.94	8.09	30.6	21.5	1.21	8	-	-	-
B3	20181119	Sunny	Light	Mid-Ebb	B	4.5	9:41	7.81	8.13	30.5	21.5	6.57	11	-	-	-
B3	20181119	Sunny	Light	Mid-Ebb	B	4.5	9:41	7.75	8.08	30.33	21.6	6.48	12	-	-	-
B3	20181119	Sunny	Light	Mid-Ebb	S	1	9:42	7.66	8.18	30.21	21.5	2.04	7	-	-	-
B3	20181119	Sunny	Light	Mid-Ebb	S	1	9:42	7.62	8.07	30.39	21.6	2.04	8	-	-	-
B4	20181119	Sunny	Light	Mid-Ebb	B	4.4	9:52	7.88	8.07	30.57	21.6	6.08	16	-	-	-
B4	20181119	Sunny	Light	Mid-Ebb	B	4.4	9:53	7.75	8.1	30.22	21.5	6.14	16	-	-	-
B4	20181119	Sunny	Light	Mid-Ebb	S	1	9:53	7.67	8.19	30.2	21.5	2.33	10	-	-	-
B4	20181119	Sunny	Light	Mid-Ebb	S	1	9:53	7.82	8.15	30.2	21.5	2.14	12	-	-	-
C2	20181119	Sunny	Light	Mid-Ebb	B	7.6	10:08	8.19	8.07	30.31	21.5	6.47	10	-	-	-
C2	20181119	Sunny	Light	Mid-Ebb	B	7.6	10:08	8.23	8.2	30.47	21.6	6.64	11	-	-	-
C2	20181119	Sunny	Light	Mid-Ebb	M	4.3	10:09	8.1	8.17	30.53	21.6	3.97	10	-	-	-
C2	20181119	Sunny	Light	Mid-Ebb	M	4.3	10:09	8.1	8.17	30.37	21.5	3.86	9	-	-	-
C2	20181119	Sunny	Light	Mid-Ebb	S	1	10:09	8.07	8.12	30.51	21.5	1.96	9	-	-	-
C2	20181119	Sunny	Light	Mid-Ebb	S	1	10:10	8.13	8.06	30.25	21.6	2.05	8	-	-	-
F1	20181119	Sunny	Light	Mid-Ebb	B	8.1	10:36	8.39	8.2	30.32	21.6	6.89	10	-	-	-
F1	20181119	Sunny	Light	Mid-Ebb	B	8.1	10:37	8.53	8.09	30.59	21.6	6.74	12	-	-	-
F1	20181119	Sunny	Light	Mid-Ebb	M	4.6	10:37	8.41	8.13	30.44	21.5	4.84	11	-	-	-
F1	20181119	Sunny	Light	Mid-Ebb	M	4.6	10:37	8.27	8.18	30.34	21.5	4.78	11	-	-	-
F1	20181119	Sunny	Light	Mid-Ebb	S	1	10:38	8.25	8.07	30.54	21.5	2.92	11	-	-	-
F1	20181119	Sunny	Light	Mid-Ebb	S	1	10:38	8.2	8.16	30.39	21.5	3.09	11	-	-	-
M1	20181119	Sunny	Light	Mid-Ebb	B	8	11:05	8.31	8.09	30.51	21.6	6.73	10	-	-	-
M1	20181119	Sunny	Light	Mid-Ebb	B	8	11:06	8.42	8.07	30.35	21.5	6.68	11	-	-	-
M1	20181119	Sunny	Light	Mid-Ebb	M	4.5	11:06	8.33	8.19	30.59	21.6	4.86	9	-	-	-
M1	20181119	Sunny	Light	Mid-Ebb	M	4.5	11:07	8.36	8.16	30.31	21.5	4.8	10	-	-	-
M1	20181119	Sunny	Light	Mid-Ebb	S	1	11:07	8.22	8.12	30.25	21.6	2.48	9	-	-	-



Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181119	Sunny	Light	Mid-Ebb	S	1	11:07	8.35	8.19	30.34	21.6	2.51	9	-	-	-
C2	20181119	Cloudy	Moderate	Mid-Flood	B	9.6	14:21	8.08	8.07	30.21	21.6	5.87	8	-	-	-
C2	20181119	Cloudy	Moderate	Mid-Flood	B	9.6	14:21	8.21	8.12	30.53	21.5	5.8	8	-	-	-
C2	20181119	Cloudy	Moderate	Mid-Flood	M	5.3	14:22	8.33	8.11	30.57	21.6	3.86	8	-	-	-
C2	20181119	Cloudy	Moderate	Mid-Flood	M	5.3	14:22	8.27	8.2	30.27	21.6	3.71	8	-	-	-
C2	20181119	Cloudy	Moderate	Mid-Flood	S	1	14:22	8.12	8.2	30.2	21.6	1.23	6	-	-	-
C2	20181119	Cloudy	Moderate	Mid-Flood	S	1	14:23	8.11	8.19	30.37	21.6	1.28	8	-	-	-
CR1	20181119	Cloudy	Moderate	Mid-Flood	B	8.4	14:42	7.87	8.15	30.58	21.6	5.65	12	-	-	-
CR1	20181119	Cloudy	Moderate	Mid-Flood	B	8.4	14:42	7.94	8.09	30.51	21.5	5.46	12	-	-	-
CR1	20181119	Cloudy	Moderate	Mid-Flood	M	4.7	14:43	7.83	8.07	30.38	21.6	3.69	9	-	-	-
CR1	20181119	Cloudy	Moderate	Mid-Flood	M	4.7	14:43	7.77	8.09	30.53	21.6	3.49	10	-	-	-
CR1	20181119	Cloudy	Moderate	Mid-Flood	S	1	14:44	7.86	8.14	30.4	21.6	1.21	6	-	-	-
CR1	20181119	Cloudy	Moderate	Mid-Flood	S	1	14:44	7.85	8.14	30.37	21.6	1.1	6	-	-	-
CR2	20181119	Cloudy	Moderate	Mid-Flood	B	8.5	14:54	7.92	8.12	30.42	21.6	6.25	8	-	-	-
CR2	20181119	Cloudy	Moderate	Mid-Flood	B	8.5	14:55	7.92	8.16	30.37	21.6	6.3	7	-	-	-
CR2	20181119	Cloudy	Moderate	Mid-Flood	M	4.8	14:55	8.04	8.2	30.2	21.6	4.75	6	-	-	-
CR2	20181119	Cloudy	Moderate	Mid-Flood	M	4.8	14:55	7.89	8.11	30.44	21.6	4.85	7	-	-	-
CR2	20181119	Cloudy	Moderate	Mid-Flood	S	1	14:56	7.84	8.19	30.51	21.6	1.26	7	-	-	-
CR2	20181119	Cloudy	Moderate	Mid-Flood	S	1	14:56	7.83	8.17	30.54	21.6	1.07	7	-	-	-
C1	20181119	Cloudy	Moderate	Mid-Flood	B	11.5	15:24	8.33	8.19	30.59	21.6	5.21	7	-	-	-
C1	20181119	Cloudy	Moderate	Mid-Flood	B	11.5	15:24	8.38	8.2	30.4	21.6	5.05	6	-	-	-
C1	20181119	Cloudy	Moderate	Mid-Flood	M	6.3	15:24	8.49	8.14	30.26	21.5	3.53	5	-	-	-
C1	20181119	Cloudy	Moderate	Mid-Flood	M	6.3	15:25	8.53	8.18	30.47	21.6	3.58	5	-	-	-
C1	20181119	Cloudy	Moderate	Mid-Flood	S	1	15:25	8.61	8.16	30.6	21.5	1.9	4	-	-	-
C1	20181119	Cloudy	Moderate	Mid-Flood	S	1	15:26	8.67	8.17	30.52	21.6	2.07	5	-	-	-
B1	20181119	Cloudy	Moderate	Mid-Flood	B	4.7	15:52	8.3	8.2	30.59	21.5	5.77	4	-	-	-
B1	20181119	Cloudy	Moderate	Mid-Flood	B	4.7	15:52	8.45	8.11	30.38	21.6	5.96	4	-	-	-
B1	20181119	Cloudy	Moderate	Mid-Flood	S	1	15:53	8.38	8.13	30.49	21.5	2.55	4	-	-	-
B1	20181119	Cloudy	Moderate	Mid-Flood	S	1	15:53	8.29	8.14	30.21	21.6	2.58	4	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181119	Cloudy	Moderate	Mid-Flood	B	4.7	16:08	8.26	8.2	30.36	21.6	6.76	7	-	-	-
B2	20181119	Cloudy	Moderate	Mid-Flood	B	4.7	16:09	8.13	8.17	30.39	21.6	6.8	6	-	-	-
B2	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:09	8.13	8.13	30.4	21.5	1.09	5	-	-	-
B2	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:10	8.26	8.19	30.56	21.5	1.08	5	-	-	-
H1	20181119	Cloudy	Moderate	Mid-Flood	B	7.6	16:34	8.34	8.07	30.58	21.5	5.44	6	-	-	-
H1	20181119	Cloudy	Moderate	Mid-Flood	B	7.6	16:34	8.29	8.1	30.6	21.6	5.43	5	-	-	-
H1	20181119	Cloudy	Moderate	Mid-Flood	M	4.3	16:35	8.23	8.14	30.35	21.6	3.53	5	-	-	-
H1	20181119	Cloudy	Moderate	Mid-Flood	M	4.3	16:35	8.31	8.18	30.32	21.5	3.46	6	-	-	-
H1	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:36	8.37	8.16	30.3	21.6	1.78	4	-	-	-
H1	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:36	8.41	8.06	30.35	21.6	1.91	4	-	-	-
B3	20181119	Cloudy	Moderate	Mid-Flood	B	4.6	16:47	7.89	8.2	30.53	21.6	5.17	6	-	-	-
B3	20181119	Cloudy	Moderate	Mid-Flood	B	4.6	16:48	8.02	8.1	30.28	21.5	5.22	6	-	-	-
B3	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:48	7.95	8.06	30.24	21.6	1.24	5	-	-	-
B3	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:48	8.04	8.14	30.31	21.5	1.33	5	-	-	-
B4	20181119	Cloudy	Moderate	Mid-Flood	B	4.6	16:57	7.86	8.18	30.27	21.6	5.14	6	-	-	-
B4	20181119	Cloudy	Moderate	Mid-Flood	B	4.6	16:57	7.99	8.1	30.34	21.6	5.25	6	-	-	-
B4	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:58	7.84	8.13	30.23	21.5	1.34	6	-	-	-
B4	20181119	Cloudy	Moderate	Mid-Flood	S	1	16:58	7.77	8.08	30.55	21.5	1.36	5	-	-	-
F1	20181119	Cloudy	Moderate	Mid-Flood	B	7.7	17:30	7.82	8.14	30.59	21.5	6.02	9	-	-	-
F1	20181119	Cloudy	Moderate	Mid-Flood	B	7.7	17:31	7.83	8.08	30.38	21.5	5.93	9	-	-	-
F1	20181119	Cloudy	Moderate	Mid-Flood	M	4.4	17:31	7.83	8.2	30.46	21.6	3.68	7	-	-	-
F1	20181119	Cloudy	Moderate	Mid-Flood	M	4.4	17:32	7.98	8.14	30.2	21.6	3.74	7	-	-	-
F1	20181119	Cloudy	Moderate	Mid-Flood	S	1	17:32	7.99	8.19	30.58	21.6	2.23	7	-	-	-
F1	20181119	Cloudy	Moderate	Mid-Flood	S	1	17:32	8.02	8.13	30.6	21.5	2.08	6	-	-	-
M1	20181119	Cloudy	Moderate	Mid-Flood	B	8.1	18:03	8.15	8.09	30.25	21.6	6.23	9	-	-	-
M1	20181119	Cloudy	Moderate	Mid-Flood	B	8.1	18:03	8.25	8.07	30.21	21.5	6.07	9	-	-	-
M1	20181119	Cloudy	Moderate	Mid-Flood	M	4.6	18:03	8.15	8.15	30.22	21.6	4.48	6	-	-	-
M1	20181119	Cloudy	Moderate	Mid-Flood	M	4.6	18:04	8.06	8.12	30.33	21.6	4.44	7	-	-	-
M1	20181119	Cloudy	Moderate	Mid-Flood	S	1	18:04	8.03	8.09	30.58	21.5	2.88	6	-	-	-

Contract No. EP/SP/66/12  
Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181119	Cloudy	Moderate	Mid-Flood	S	1	18:05	7.89	8.1	30.27	21.6	2.81	5	-	-	-
C1	20181121	Sunny	Light	Mid-Ebb	B	10.5	9:14	7.75	8.2	30.04	22.2	4.03	15	-	-	-
C1	20181121	Sunny	Light	Mid-Ebb	B	10.5	9:14	7.74	8.16	29.99	22.1	3.97	14	-	-	-
C1	20181121	Sunny	Light	Mid-Ebb	M	5.8	9:14	7.65	8.11	30.05	22.2	2.48	12	-	-	-
C1	20181121	Sunny	Light	Mid-Ebb	M	5.8	9:15	7.66	8.17	29.94	22.1	2.54	14	-	-	-
C1	20181121	Sunny	Light	Mid-Ebb	S	1	9:15	7.5	8.14	30.19	22.2	2.12	11	-	-	-
C1	20181121	Sunny	Light	Mid-Ebb	S	1	9:15	7.4	8.17	30.23	22.2	2.11	10	-	-	-
B1	20181121	Sunny	Light	Mid-Ebb	B	4.4	9:38	7.62	8.06	30.18	22.1	5.94	9	-	-	-
B1	20181121	Sunny	Light	Mid-Ebb	B	4.4	9:38	7.66	8.2	30.09	22.2	6.11	11	-	-	-
B1	20181121	Sunny	Light	Mid-Ebb	S	1	9:39	7.6	8.14	29.99	22.2	2.56	4	-	-	-
B1	20181121	Sunny	Light	Mid-Ebb	S	1	9:39	7.44	8.16	30.01	22.2	2.46	5	-	-	-
B2	20181121	Sunny	Light	Mid-Ebb	B	4.4	9:54	7.81	8.17	29.77	22.1	5.62	14	-	-	-
B2	20181121	Sunny	Light	Mid-Ebb	B	4.4	9:55	7.91	8.12	30.24	22.2	5.73	15	-	-	-
B2	20181121	Sunny	Light	Mid-Ebb	S	1	9:55	7.94	8.16	30.06	22.2	2.21	11	-	-	-
B2	20181121	Sunny	Light	Mid-Ebb	S	1	9:55	7.82	8.12	30.1	22.1	2.05	11	-	-	-
H1	20181121	Sunny	Light	Mid-Ebb	B	7.6	10:19	7.9	8.15	30.08	22.2	5.48	18	-	-	-
H1	20181121	Sunny	Light	Mid-Ebb	B	7.6	10:19	7.99	8.16	30.07	22.2	5.42	18	-	-	-
H1	20181121	Sunny	Light	Mid-Ebb	M	4.3	10:20	8.19	8.15	29.78	22.1	3.73	18	-	-	-
H1	20181121	Sunny	Light	Mid-Ebb	M	4.3	10:20	8.09	8.12	29.95	22.1	3.79	17	-	-	-
H1	20181121	Sunny	Light	Mid-Ebb	S	1	10:20	8.28	8.16	30.19	22.1	1.11	15	-	-	-
H1	20181121	Sunny	Light	Mid-Ebb	S	1	10:21	8.35	8.18	30.18	22.2	0.98	14	-	-	-
CR2	20181121	Sunny	Light	Mid-Ebb	B	7.7	10:35	8.06	8.09	29.97	22.2	4.8	14	-	-	-
CR2	20181121	Sunny	Light	Mid-Ebb	B	7.7	10:36	8.26	8.17	30.09	22.1	4.8	14	-	-	-
CR2	20181121	Sunny	Light	Mid-Ebb	M	4.4	10:36	8.07	8.06	30.07	22.2	3.53	12	-	-	-
CR2	20181121	Sunny	Light	Mid-Ebb	M	4.4	10:36	8.15	8.06	30.2	22.1	3.64	12	-	-	-
CR2	20181121	Sunny	Light	Mid-Ebb	S	1	10:37	8.2	8.1	30.07	22.2	1.47	13	-	-	-
CR2	20181121	Sunny	Light	Mid-Ebb	S	1	10:37	8.29	8.13	29.75	22.1	1.4	11	-	-	-
CR1	20181121	Sunny	Light	Mid-Ebb	B	7.6	10:51	7.94	8.18	30.05	22.2	5.92	12	-	-	-
CR1	20181121	Sunny	Light	Mid-Ebb	B	7.6	10:52	7.77	8.09	30.13	22.2	5.83	13	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181121	Sunny	Light	Mid-Ebb	M	4.3	10:52	7.73	8.18	29.85	22.2	3.9	12	-	-	-
CR1	20181121	Sunny	Light	Mid-Ebb	M	4.3	10:53	7.82	8.11	30.12	22.2	3.81	11	-	-	-
CR1	20181121	Sunny	Light	Mid-Ebb	S	1	10:53	7.83	8.09	30.18	22.2	1.52	11	-	-	-
CR1	20181121	Sunny	Light	Mid-Ebb	S	1	10:53	7.82	8.18	29.88	22.1	1.58	10	-	-	-
B3	20181121	Sunny	Light	Mid-Ebb	B	4.3	11:11	8.06	8.14	30.25	22.2	5.83	10	-	-	-
B3	20181121	Sunny	Light	Mid-Ebb	B	4.3	11:11	8.25	8.18	29.86	22.1	5.65	10	-	-	-
B3	20181121	Sunny	Light	Mid-Ebb	S	1	11:12	8.45	8.1	30.24	22.2	2.54	9	-	-	-
B3	20181121	Sunny	Light	Mid-Ebb	S	1	11:12	8.6	8.08	30.2	22.2	2.61	8	-	-	-
B4	20181121	Sunny	Light	Mid-Ebb	B	4.5	11:21	8.1	8.13	29.83	22.1	4.94	9	-	-	-
B4	20181121	Sunny	Light	Mid-Ebb	B	4.5	11:22	7.9	8.08	29.83	22.2	4.78	9	-	-	-
B4	20181121	Sunny	Light	Mid-Ebb	S	1	11:22	8.03	8.11	30.18	22.2	2.6	5	-	-	-
B4	20181121	Sunny	Light	Mid-Ebb	S	1	11:22	7.84	8.14	30.04	22.2	2.54	6	-	-	-
C2	20181121	Sunny	Light	Mid-Ebb	B	7.7	11:34	8.16	8.12	30.01	22.2	5.12	15	-	-	-
C2	20181121	Sunny	Light	Mid-Ebb	B	7.7	11:34	7.96	8.16	29.88	22.1	4.93	13	-	-	-
C2	20181121	Sunny	Light	Mid-Ebb	M	4.4	11:35	7.94	8.2	30.07	22.2	2.5	14	-	-	-
C2	20181121	Sunny	Light	Mid-Ebb	M	4.4	11:35	7.84	8.12	29.75	22.1	2.47	15	-	-	-
C2	20181121	Sunny	Light	Mid-Ebb	S	1	11:35	7.97	8.1	29.85	22.1	1.45	14	-	-	-
C2	20181121	Sunny	Light	Mid-Ebb	S	1	11:36	8.07	8.18	30.15	22.2	1.29	13	-	-	-
F1	20181121	Sunny	Light	Mid-Ebb	B	8.2	11:56	7.96	8.15	30.1	22.2	5.42	14	-	-	-
F1	20181121	Sunny	Light	Mid-Ebb	B	8.2	11:57	8.06	8.18	29.98	22.2	5.27	15	-	-	-
F1	20181121	Sunny	Light	Mid-Ebb	M	4.6	11:57	8.21	8.11	30.25	22.2	3.27	15	-	-	-
F1	20181121	Sunny	Light	Mid-Ebb	M	4.6	11:57	8.2	8.14	29.85	22.1	3.22	15	-	-	-
F1	20181121	Sunny	Light	Mid-Ebb	S	1	11:58	8.2	8.14	30.11	22.2	2.42	11	-	-	-
F1	20181121	Sunny	Light	Mid-Ebb	S	1	11:58	8.35	8.1	30.06	22.2	2.43	12	-	-	-
M1	20181121	Sunny	Light	Mid-Ebb	B	8.1	12:22	7.9	8.13	30.08	22.2	5.01	11	-	-	-
M1	20181121	Sunny	Light	Mid-Ebb	B	8.1	12:23	7.82	8.11	29.98	22.2	5.06	10	-	-	-
M1	20181121	Sunny	Light	Mid-Ebb	M	4.6	12:23	7.86	8.09	30.21	22.2	2.01	8	-	-	-
M1	20181121	Sunny	Light	Mid-Ebb	M	4.6	12:24	7.84	8.2	29.93	22.2	2.06	8	-	-	-
M1	20181121	Sunny	Light	Mid-Ebb	S	1	12:24	7.84	8.11	29.84	22.1	2.32	7	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181121	Sunny	Light	Mid-Ebb	S	1	12:24	7.84	8.19	30.07	22.2	2.17	6	-	-	-
C2	20181121	Cloudy	Light	Mid-Flood	B	9.4	15:08	7.9	8.06	30.07	22.2	5.83	9	-	-	-
C2	20181121	Cloudy	Light	Mid-Flood	B	9.4	15:08	7.7	8.09	29.83	22.2	5.66	9	-	-	-
C2	20181121	Cloudy	Light	Mid-Flood	M	5.2	15:09	7.74	8.08	30.17	22.1	3.52	10	-	-	-
C2	20181121	Cloudy	Light	Mid-Flood	M	5.2	15:09	7.79	8.09	30.04	22.2	3.6	10	-	-	-
C2	20181121	Cloudy	Light	Mid-Flood	S	1	15:09	7.83	8.13	29.76	22.2	1.47	7	-	-	-
C2	20181121	Cloudy	Light	Mid-Flood	S	1	15:10	7.88	8.12	30.24	22.1	1.51	7	-	-	-
CR1	20181121	Cloudy	Light	Mid-Flood	B	8.3	15:27	8.18	8.15	30.16	22.2	4.54	8	-	-	-
CR1	20181121	Cloudy	Light	Mid-Flood	B	8.3	15:27	8.09	8.12	29.77	22.1	4.41	8	-	-	-
CR1	20181121	Cloudy	Light	Mid-Flood	M	4.7	15:28	8.17	8.12	30.21	22.1	2.1	6	-	-	-
CR1	20181121	Cloudy	Light	Mid-Flood	M	4.7	15:28	8.16	8.12	30.11	22.2	2.06	7	-	-	-
CR1	20181121	Cloudy	Light	Mid-Flood	S	1	15:29	8.1	8.1	29.9	22.1	2.28	7	-	-	-
CR1	20181121	Cloudy	Light	Mid-Flood	S	1	15:29	7.98	8.17	30.08	22.2	2.16	7	-	-	-
CR2	20181121	Cloudy	Light	Mid-Flood	B	8.2	15:37	7.66	8.09	29.77	22.1	4.79	10	-	-	-
CR2	20181121	Cloudy	Light	Mid-Flood	B	8.2	15:38	7.8	8.11	29.79	22.1	4.99	11	-	-	-
CR2	20181121	Cloudy	Light	Mid-Flood	M	4.6	15:38	7.99	8.16	29.91	22.1	2.19	8	-	-	-
CR2	20181121	Cloudy	Light	Mid-Flood	M	4.6	15:38	8.02	8.1	30.07	22.1	2.36	8	-	-	-
CR2	20181121	Cloudy	Light	Mid-Flood	S	1	15:39	8.17	8.11	29.9	22.1	2.63	5	-	-	-
CR2	20181121	Cloudy	Light	Mid-Flood	S	1	15:39	8.11	8.08	30.23	22.2	2.82	6	-	-	-
C1	20181121	Cloudy	Light	Mid-Flood	B	11.3	16:04	8.15	8.2	30.11	22.2	5.31	8	-	-	-
C1	20181121	Cloudy	Light	Mid-Flood	B	11.3	16:04	8.34	8.14	29.95	22.2	5.44	8	-	-	-
C1	20181121	Cloudy	Light	Mid-Flood	M	6.2	16:04	8.48	8.19	29.79	22.2	2.17	7	-	-	-
C1	20181121	Cloudy	Light	Mid-Flood	M	6.2	16:05	8.35	8.1	29.97	22.2	2.01	7	-	-	-
C1	20181121	Cloudy	Light	Mid-Flood	S	1	16:05	8.31	8.17	30.17	22.2	1.19	7	-	-	-
C1	20181121	Cloudy	Light	Mid-Flood	S	1	16:06	8.21	8.15	30.08	22.1	1.08	7	-	-	-
B1	20181121	Cloudy	Light	Mid-Flood	B	4.6	16:29	7.96	8.06	30.2	22.2	4.04	6	-	-	-
B1	20181121	Cloudy	Light	Mid-Flood	B	4.6	16:29	7.78	8.09	29.91	22.2	4.15	6	-	-	-
B1	20181121	Cloudy	Light	Mid-Flood	S	1	16:30	7.83	8.1	30.24	22.2	2.89	5	-	-	-
B1	20181121	Cloudy	Light	Mid-Flood	S	1	16:30	7.68	8.14	29.78	22.2	2.98	4	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181121	Cloudy	Light	Mid-Flood	B	4.7	16:45	7.65	8.17	30.12	22.1	4.57	49	-	-	-
B2	20181121	Cloudy	Light	Mid-Flood	B	4.7	16:46	7.55	8.08	30.23	22.1	4.63	32	-	-	-
B2	20181121	Cloudy	Light	Mid-Flood	S	1	16:46	7.54	8.18	29.98	22.2	2.08	28	-	-	-
B2	20181121	Cloudy	Light	Mid-Flood	S	1	16:47	7.74	8.09	30.14	22.2	1.93	10	-	-	-
H1	20181121	Cloudy	Light	Mid-Flood	B	7.5	17:08	7.88	8.11	29.96	22.2	4.68	9	-	-	-
H1	20181121	Cloudy	Light	Mid-Flood	B	7.5	17:08	7.96	8.09	29.98	22.2	4.8	9	-	-	-
H1	20181121	Cloudy	Light	Mid-Flood	M	4.3	17:09	8.14	8.18	30.04	22.2	2.65	8	-	-	-
H1	20181121	Cloudy	Light	Mid-Flood	M	4.3	17:09	8.15	8.2	30.2	22.2	2.6	9	-	-	-
H1	20181121	Cloudy	Light	Mid-Flood	S	1	17:10	8.19	8.17	30.08	22.1	1.69	7	-	-	-
H1	20181121	Cloudy	Light	Mid-Flood	S	1	17:10	8.32	8.09	29.91	22.1	1.81	7	-	-	-
B3	20181121	Cloudy	Light	Mid-Flood	B	4.7	17:19	7.86	8.12	29.97	22.1	5.41	7	-	-	-
B3	20181121	Cloudy	Light	Mid-Flood	B	4.7	17:20	7.8	8.1	29.79	22.1	5.31	8	-	-	-
B3	20181121	Cloudy	Light	Mid-Flood	S	1	17:20	7.66	8.19	30.15	22.2	2.38	9	-	-	-
B3	20181121	Cloudy	Light	Mid-Flood	S	1	17:20	7.6	8.1	30.11	22.2	2.34	8	-	-	-
B4	20181121	Cloudy	Light	Mid-Flood	B	4.6	17:28	7.67	8.11	30.12	22.2	5.58	8	-	-	-
B4	20181121	Cloudy	Light	Mid-Flood	B	4.6	17:28	7.83	8.15	29.88	22.2	5.72	8	-	-	-
B4	20181121	Cloudy	Light	Mid-Flood	S	1	17:29	7.78	8.15	30.13	22.1	2.32	7	-	-	-
B4	20181121	Cloudy	Light	Mid-Flood	S	1	17:29	7.87	8.1	30.21	22.1	2.27	8	-	-	-
F1	20181121	Cloudy	Light	Mid-Flood	B	7.8	17:57	8.2	8.17	30.24	22.2	4.73	8	-	-	-
F1	20181121	Cloudy	Light	Mid-Flood	B	7.8	17:58	8.09	8.07	30.2	22.1	4.85	8	-	-	-
F1	20181121	Cloudy	Light	Mid-Flood	M	4.4	17:58	7.97	8.11	30.25	22.2	2.25	6	-	-	-
F1	20181121	Cloudy	Light	Mid-Flood	M	4.4	17:59	7.77	8.18	30.14	22.2	2.15	5	-	-	-
F1	20181121	Cloudy	Light	Mid-Flood	S	1	17:59	7.95	8.09	29.83	22.2	1.16	6	-	-	-
F1	20181121	Cloudy	Light	Mid-Flood	S	1	17:59	7.79	8.18	30.04	22.2	1.06	5	-	-	-
M1	20181121	Cloudy	Light	Mid-Flood	B	8	18:28	7.86	8.11	29.83	22.1	4.3	11	-	-	-
M1	20181121	Cloudy	Light	Mid-Flood	B	8	18:28	7.91	8.07	30.12	22.1	4.15	10	-	-	-
M1	20181121	Cloudy	Light	Mid-Flood	M	4.5	18:28	7.9	8.11	29.98	22.1	3.91	9	-	-	-
M1	20181121	Cloudy	Light	Mid-Flood	M	4.5	18:29	7.95	8.15	30.12	22.2	3.89	9	-	-	-
M1	20181121	Cloudy	Light	Mid-Flood	S	1	18:29	7.77	8.15	30.13	22.1	1.05	6	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181121	Cloudy	Light	Mid-Flood	S	1	18:30	7.76	8.16	30.18	22.2	1.21	6	-	-	-
C1	20181123	Sunny	Moderate	Mid-Ebb	B	10.7	10:32	8.04	8.06	29.98	22.8	4.66	9	-	-	-
C1	20181123	Sunny	Moderate	Mid-Ebb	B	10.7	10:32	8.29	7.93	30.03	22.8	4.69	8	-	-	-
C1	20181123	Sunny	Moderate	Mid-Ebb	M	5.9	10:32	8.11	7.92	30.14	22.8	3.63	9	-	-	-
C1	20181123	Sunny	Moderate	Mid-Ebb	M	5.9	10:33	8.2	8.07	30.1	22.8	3.6	8	-	-	-
C1	20181123	Sunny	Moderate	Mid-Ebb	S	1	10:33	8.28	8.1	29.98	22.8	1.36	8	-	-	-
C1	20181123	Sunny	Moderate	Mid-Ebb	S	1	10:33	8.08	8.08	30.11	22.8	1.44	7	-	-	-
B1	20181123	Sunny	Moderate	Mid-Ebb	B	4.3	10:54	7.9	8.02	30.2	22.8	4.31	7	-	-	-
B1	20181123	Sunny	Moderate	Mid-Ebb	B	4.3	10:54	7.99	7.96	30.18	22.8	4.26	8	-	-	-
B1	20181123	Sunny	Moderate	Mid-Ebb	S	1	10:55	7.8	7.99	30.08	22.8	1.41	6	-	-	-
B1	20181123	Sunny	Moderate	Mid-Ebb	S	1	10:55	7.73	8.03	30.18	22.8	1.36	6	-	-	-
B2	20181123	Sunny	Moderate	Mid-Ebb	B	4.2	11:07	7.8	8.03	30.07	22.8	4.48	13	-	-	-
B2	20181123	Sunny	Moderate	Mid-Ebb	B	4.2	11:08	7.66	7.99	29.95	22.8	4.48	14	-	-	-
B2	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:08	7.7	7.98	30.01	22.8	1.01	10	-	-	-
B2	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:08	7.64	7.96	30.03	22.8	0.91	9	-	-	-
H1	20181123	Sunny	Moderate	Mid-Ebb	B	7.6	11:37	8.22	7.9	30.2	22.8	4.2	10	-	-	-
H1	20181123	Sunny	Moderate	Mid-Ebb	B	7.6	11:37	8.18	7.98	30.06	22.8	4.11	10	-	-	-
H1	20181123	Sunny	Moderate	Mid-Ebb	M	4.3	11:38	8.25	7.95	30.09	22.8	3.44	8	-	-	-
H1	20181123	Sunny	Moderate	Mid-Ebb	M	4.3	11:38	8.26	8.06	30.2	22.8	3.38	7	-	-	-
H1	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:38	8.17	8.01	30.04	22.8	1.02	7	-	-	-
H1	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:39	8.38	7.97	30.18	22.8	1.01	8	-	-	-
B3	20181123	Sunny	Moderate	Mid-Ebb	B	4.4	11:46	7.76	7.96	30.18	22.8	4.16	12	-	-	-
B3	20181123	Sunny	Moderate	Mid-Ebb	B	4.4	11:47	7.6	8.04	30.07	22.9	4.14	12	-	-	-
B3	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:47	7.75	8	30.02	22.8	1.11	9	-	-	-
B3	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:47	7.83	7.93	30.19	22.8	1.08	10	-	-	-
B4	20181123	Sunny	Moderate	Mid-Ebb	B	4.3	11:54	7.72	7.9	30.01	22.8	4.05	12	-	-	-
B4	20181123	Sunny	Moderate	Mid-Ebb	B	4.3	11:54	7.73	8.06	29.98	22.8	4.11	13	-	-	-
B4	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:54	7.59	8.1	29.95	22.8	1.79	8	-	-	-
B4	20181123	Sunny	Moderate	Mid-Ebb	S	1	11:55	7.64	8.04	29.95	22.8	1.84	8	-	-	-

Contract No. EP/SP/66/12  
Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181123	Sunny	Moderate	Mid-Ebb	B	7.7	12:11	8.09	7.91	30.13	22.8	4.8	17	-	-	-
CR1	20181123	Sunny	Moderate	Mid-Ebb	B	7.7	12:12	8.08	8.05	29.97	22.8	4.8	17	-	-	-
CR1	20181123	Sunny	Moderate	Mid-Ebb	M	4.4	12:12	7.87	8.1	30.18	22.8	3.17	15	-	-	-
CR1	20181123	Sunny	Moderate	Mid-Ebb	M	4.4	12:12	7.79	7.95	30.05	22.8	3.24	16	-	-	-
CR1	20181123	Sunny	Moderate	Mid-Ebb	S	1	12:13	7.78	8.07	30.18	22.8	1.89	14	-	-	-
CR1	20181123	Sunny	Moderate	Mid-Ebb	S	1	12:13	7.71	8.01	30.12	22.8	1.89	14	-	-	-
CR2	20181123	Sunny	Moderate	Mid-Ebb	B	7.9	12:33	7.95	8.01	30.03	22.8	4.36	9	-	-	-
CR2	20181123	Sunny	Moderate	Mid-Ebb	B	7.9	12:33	7.77	7.93	30.04	22.8	4.31	10	-	-	-
CR2	20181123	Sunny	Moderate	Mid-Ebb	M	4.5	12:33	7.57	7.96	30.15	22.8	3.83	8	-	-	-
CR2	20181123	Sunny	Moderate	Mid-Ebb	M	4.5	12:34	7.49	8.06	30.11	22.8	3.87	9	-	-	-
CR2	20181123	Sunny	Moderate	Mid-Ebb	S	1	12:34	7.66	7.96	30.05	22.8	1.02	9	-	-	-
CR2	20181123	Sunny	Moderate	Mid-Ebb	S	1	12:34	7.71	7.9	30.18	22.8	1.04	8	-	-	-
M1	20181123	Sunny	Moderate	Mid-Ebb	B	8.1	13:19	8.12	8.02	30.09	22.8	4.33	10	-	-	-
M1	20181123	Sunny	Moderate	Mid-Ebb	B	8.1	13:19	8.05	8.09	30.18	22.8	4.3	11	-	-	-
M1	20181123	Sunny	Moderate	Mid-Ebb	M	4.6	13:20	8.21	8.05	29.97	22.9	3.72	10	-	-	-
M1	20181123	Sunny	Moderate	Mid-Ebb	M	4.6	13:20	8.42	7.93	30.2	22.8	3.76	11	-	-	-
M1	20181123	Sunny	Moderate	Mid-Ebb	S	1	13:20	8.39	7.99	30.08	22.8	1.63	8	-	-	-
M1	20181123	Sunny	Moderate	Mid-Ebb	S	1	13:21	8.27	8.07	30.17	22.8	1.69	8	-	-	-
F1	20181123	Sunny	Moderate	Mid-Ebb	B	7.7	13:46	7.83	8.06	30.1	22.8	4.99	9	-	-	-
F1	20181123	Sunny	Moderate	Mid-Ebb	B	7.7	13:47	7.6	8.03	30.18	22.8	5.07	10	-	-	-
F1	20181123	Sunny	Moderate	Mid-Ebb	M	4.4	13:47	7.84	8.06	29.95	22.8	3.3	9	-	-	-
F1	20181123	Sunny	Moderate	Mid-Ebb	M	4.4	13:47	7.71	7.92	30.05	22.8	3.33	9	-	-	-
F1	20181123	Sunny	Moderate	Mid-Ebb	S	1	13:48	7.58	8.08	30.11	22.8	1.32	8	-	-	-
F1	20181123	Sunny	Moderate	Mid-Ebb	S	1	13:48	7.52	8.1	30.11	22.8	1.25	9	-	-	-
C2	20181123	Sunny	Moderate	Mid-Ebb	B	7.8	14:12	7.98	8.1	29.96	22.8	4.38	8	-	-	-
C2	20181123	Sunny	Moderate	Mid-Ebb	B	7.8	14:13	8.21	7.9	30.08	22.9	4.41	8	-	-	-
C2	20181123	Sunny	Moderate	Mid-Ebb	M	4.4	14:13	8.41	7.9	30.1	22.8	3.64	7	-	-	-
C2	20181123	Sunny	Moderate	Mid-Ebb	M	4.4	14:14	8.27	8.01	29.97	22.8	3.59	6	-	-	-
C2	20181123	Sunny	Moderate	Mid-Ebb	S	1	14:14	8.17	8.07	30.03	22.8	1.02	7	-	-	-



Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2	20181123	Sunny	Moderate	Mid-Ebb	S	1	14:14	8.39	8.09	30.02	22.8	0.94	7	-	-	-
C2	20181123	Fine	Moderate	Mid-Flood	B	9.5	16:19	8.21	7.91	30.1	22.8	4.73	7	-	-	-
C2	20181123	Fine	Moderate	Mid-Flood	B	9.5	16:19	8.09	7.94	30.07	22.8	4.81	6	-	-	-
C2	20181123	Fine	Moderate	Mid-Flood	M	5.3	16:20	8.33	7.91	29.95	22.8	3.25	5	-	-	-
C2	20181123	Fine	Moderate	Mid-Flood	M	5.3	16:20	8.2	8.06	30.02	22.8	3.15	6	-	-	-
C2	20181123	Fine	Moderate	Mid-Flood	S	1	16:20	8.26	7.92	30.02	22.8	1.47	4	-	-	-
C2	20181123	Fine	Moderate	Mid-Flood	S	1	16:21	8.03	8	30.16	22.8	1.45	5	-	-	-
CR1	20181123	Fine	Moderate	Mid-Flood	B	7.7	16:36	8.24	8.02	29.98	22.8	4.86	8	-	-	-
CR1	20181123	Fine	Moderate	Mid-Flood	B	7.7	16:36	8.23	8.02	30.16	22.8	4.87	9	-	-	-
CR1	20181123	Fine	Moderate	Mid-Flood	M	4.4	16:37	8.46	8.06	30.13	22.8	3.86	8	-	-	-
CR1	20181123	Fine	Moderate	Mid-Flood	M	4.4	16:37	8.66	7.97	30.16	22.8	3.86	7	-	-	-
CR1	20181123	Fine	Moderate	Mid-Flood	S	1	16:38	8.47	7.92	30.06	22.8	1.47	7	-	-	-
CR1	20181123	Fine	Moderate	Mid-Flood	S	1	16:38	8.72	8.03	29.97	22.8	1.39	8	-	-	-
CR2	20181123	Fine	Moderate	Mid-Flood	B	7.6	16:45	8.01	8.07	30.12	22.8	4.28	10	-	-	-
CR2	20181123	Fine	Moderate	Mid-Flood	B	7.6	16:46	7.83	8.08	30.05	22.8	4.29	10	-	-	-
CR2	20181123	Fine	Moderate	Mid-Flood	M	4.3	16:46	7.67	7.9	30.05	22.8	3.98	9	-	-	-
CR2	20181123	Fine	Moderate	Mid-Flood	M	4.3	16:46	7.61	8.04	30.11	22.8	4.05	8	-	-	-
CR2	20181123	Fine	Moderate	Mid-Flood	S	1	16:47	7.57	8.04	30.14	22.8	1.16	7	-	-	-
CR2	20181123	Fine	Moderate	Mid-Flood	S	1	16:47	7.5	7.98	30.01	22.8	1.11	6	-	-	-
C1	20181123	Fine	Moderate	Mid-Flood	B	11.4	17:13	8.16	8	30.18	22.8	4.37	7	-	-	-
C1	20181123	Fine	Moderate	Mid-Flood	B	11.4	17:13	8.2	7.96	30.03	22.8	4.41	7	-	-	-
C1	20181123	Fine	Moderate	Mid-Flood	M	6.2	17:13	8.2	7.94	29.99	22.8	3.75	6	-	-	-
C1	20181123	Fine	Moderate	Mid-Flood	M	6.2	17:14	8.11	8.01	30.13	22.8	3.75	6	-	-	-
C1	20181123	Fine	Moderate	Mid-Flood	S	1	17:14	8.09	8.07	29.96	22.8	1.87	4	-	-	-
C1	20181123	Fine	Moderate	Mid-Flood	S	1	17:15	7.93	7.98	30.12	22.8	1.88	4	-	-	-
B1	20181123	Fine	Moderate	Mid-Flood	B	4.8	17:36	8.25	7.98	30.18	22.8	4.07	10	-	-	-
B1	20181123	Fine	Moderate	Mid-Flood	B	4.8	17:36	8.14	8.04	30.08	22.8	4.1	9	-	-	-
B1	20181123	Fine	Moderate	Mid-Flood	S	1	17:37	8.23	8.03	30.11	22.8	1.33	10	-	-	-
B1	20181123	Fine	Moderate	Mid-Flood	S	1	17:37	8.45	7.95	30.17	22.8	1.38	9	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181123	Fine	Moderate	Mid-Flood	B	4.7	17:50	7.87	7.97	29.97	22.8	4	7	-	-	-
B2	20181123	Fine	Moderate	Mid-Flood	B	4.7	17:51	7.88	7.91	30.08	22.8	3.96	7	-	-	-
B2	20181123	Fine	Moderate	Mid-Flood	S	1	17:51	7.64	8.09	30.14	22.8	1.17	7	-	-	-
B2	20181123	Fine	Moderate	Mid-Flood	S	1	17:52	7.76	8	29.98	22.8	1.21	6	-	-	-
H1	20181123	Fine	Moderate	Mid-Flood	B	7.8	18:12	7.85	7.94	30.16	22.8	4.63	7	-	-	-
H1	20181123	Fine	Moderate	Mid-Flood	B	7.8	18:12	8.04	8.03	30.07	22.8	4.56	6	-	-	-
H1	20181123	Fine	Moderate	Mid-Flood	M	4.4	18:13	8.03	8.05	30	22.9	3.63	6	-	-	-
H1	20181123	Fine	Moderate	Mid-Flood	M	4.4	18:13	8.27	7.92	30.08	22.8	3.62	5	-	-	-
H1	20181123	Fine	Moderate	Mid-Flood	S	1	18:14	8.26	7.94	30.17	22.8	1.76	6	-	-	-
H1	20181123	Fine	Moderate	Mid-Flood	S	1	18:14	8.15	8.09	29.95	22.8	1.67	5	-	-	-
B3	20181123	Fine	Moderate	Mid-Flood	B	4.7	18:21	7.71	7.94	30.09	22.8	4.27	8	-	-	-
B3	20181123	Fine	Moderate	Mid-Flood	B	4.7	18:22	7.79	7.96	30.18	22.8	4.18	8	-	-	-
B3	20181123	Fine	Moderate	Mid-Flood	S	1	18:22	7.94	8.01	30.19	22.8	1.88	7	-	-	-
B3	20181123	Fine	Moderate	Mid-Flood	S	1	18:22	8.04	7.93	30.01	22.8	1.95	8	-	-	-
B4	20181123	Fine	Moderate	Mid-Flood	B	4.6	18:29	7.8	7.94	30.1	22.8	4.12	7	-	-	-
B4	20181123	Fine	Moderate	Mid-Flood	B	4.6	18:29	7.56	7.99	30.16	22.8	4.22	8	-	-	-
B4	20181123	Fine	Moderate	Mid-Flood	S	1	18:30	7.45	8.03	29.98	22.8	1.9	5	-	-	-
B4	20181123	Fine	Moderate	Mid-Flood	S	1	18:30	7.4	7.99	30.01	22.8	1.82	4	-	-	-
F1	20181123	Fine	Moderate	Mid-Flood	B	7.9	18:59	7.96	8.1	30.06	22.8	4.74	7	-	-	-
F1	20181123	Fine	Moderate	Mid-Flood	B	7.9	19:00	8.13	7.94	30.14	22.8	4.84	6	-	-	-
F1	20181123	Fine	Moderate	Mid-Flood	M	4.5	19:00	8.27	8.04	30.06	22.9	3.52	6	-	-	-
F1	20181123	Fine	Moderate	Mid-Flood	M	4.5	19:01	8.06	7.98	30.03	22.8	3.48	5	-	-	-
F1	20181123	Fine	Moderate	Mid-Flood	S	1	19:01	8.11	8.09	30.08	22.8	1.29	6	-	-	-
F1	20181123	Fine	Moderate	Mid-Flood	S	1	19:01	8.27	8.03	29.95	22.8	1.29	5	-	-	-
M1	20181123	Fine	Moderate	Mid-Flood	B	8	19:28	8.11	8.09	30.1	22.8	4.1	9	-	-	-
M1	20181123	Fine	Moderate	Mid-Flood	B	8	19:28	7.94	8.07	30.11	22.8	4.15	9	-	-	-
M1	20181123	Fine	Moderate	Mid-Flood	M	4.5	19:28	7.71	7.95	30.1	22.8	3.72	8	-	-	-
M1	20181123	Fine	Moderate	Mid-Flood	M	4.5	19:29	7.51	7.94	30.02	22.8	3.79	9	-	-	-
M1	20181123	Fine	Moderate	Mid-Flood	S	1	19:29	7.29	7.96	30.01	22.9	1.46	8	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181123	Fine	Moderate	Mid-Flood	S	1	19:30	7.28	7.97	29.96	22.8	1.51	8	-	-	-
C2	20181126	Cloudy	Light	Mid-Flood	B	9.4	7:19	7.83	8	30.25	23	4.59	14	-	-	-
C2	20181126	Cloudy	Light	Mid-Flood	B	9.4	7:19	7.9	8.08	30.53	23	4.69	15	-	-	-
C2	20181126	Cloudy	Light	Mid-Flood	M	5.2	7:19	7.85	8.07	30.9	23	3.33	13	-	-	-
C2	20181126	Cloudy	Light	Mid-Flood	M	5.2	7:20	7.92	8.06	29.62	23	3.3	14	-	-	-
C2	20181126	Cloudy	Light	Mid-Flood	S	1	7:20	7.95	8.06	30.59	23	2.65	11	-	-	-
C2	20181126	Cloudy	Light	Mid-Flood	S	1	7:20	8.02	8.03	29.56	23.1	2.64	12	-	-	-
CR1	20181126	Cloudy	Light	Mid-Flood	B	7.6	7:37	7.53	8.04	29.88	23	4.37	16	-	-	-
CR1	20181126	Cloudy	Light	Mid-Flood	B	7.6	7:37	7.36	8.08	30.25	23	4.44	16	-	-	-
CR1	20181126	Cloudy	Light	Mid-Flood	M	4.3	7:38	7.39	8.06	30.42	23	3.51	14	-	-	-
CR1	20181126	Cloudy	Light	Mid-Flood	M	4.3	7:38	7.33	8.06	29.53	23	3.5	15	-	-	-
CR1	20181126	Cloudy	Light	Mid-Flood	S	1	7:38	7.4	8.07	30.35	23	2.78	13	-	-	-
CR1	20181126	Cloudy	Light	Mid-Flood	S	1	7:39	7.34	8.08	30.79	23	2.74	14	-	-	-
CR2	20181126	Cloudy	Light	Mid-Flood	B	7.8	7:50	7.88	8.03	29.61	23	4.54	12	-	-	-
CR2	20181126	Cloudy	Light	Mid-Flood	B	7.8	7:50	7.71	8.08	30.96	23	4.46	12	-	-	-
CR2	20181126	Cloudy	Light	Mid-Flood	M	4.4	7:51	7.77	8.02	30.2	23	3.54	11	-	-	-
CR2	20181126	Cloudy	Light	Mid-Flood	M	4.4	7:51	7.65	8.1	29.63	23	3.5	11	-	-	-
CR2	20181126	Cloudy	Light	Mid-Flood	S	1	7:52	7.58	8	29.56	23	2.26	11	-	-	-
CR2	20181126	Cloudy	Light	Mid-Flood	S	1	7:52	7.44	8.09	29.8	23.1	2.24	10	-	-	-
C1	20181126	Cloudy	Light	Mid-Flood	B	11.5	8:16	7.86	8.04	30.31	23	4.92	13	-	-	-
C1	20181126	Cloudy	Light	Mid-Flood	B	11.5	8:17	7.88	8.04	30.03	23	5.01	13	-	-	-
C1	20181126	Cloudy	Light	Mid-Flood	M	6.3	8:17	7.69	8.07	30.12	23	3.31	12	-	-	-
C1	20181126	Cloudy	Light	Mid-Flood	M	6.3	8:18	7.58	8.02	29.76	23	3.26	13	-	-	-
C1	20181126	Cloudy	Light	Mid-Flood	S	1	8:18	7.5	8.03	29.74	23	2.22	12	-	-	-
C1	20181126	Cloudy	Light	Mid-Flood	S	1	8:18	7.56	8.05	29.51	23	2.31	12	-	-	-
B1	20181126	Cloudy	Light	Mid-Flood	B	4.7	8:41	7.87	8.01	29.62	23	4.1	16	-	-	-
B1	20181126	Cloudy	Light	Mid-Flood	B	4.7	8:41	8.02	8.06	30.1	23	4.07	15	-	-	-
B1	20181126	Cloudy	Light	Mid-Flood	S	1	8:41	7.95	8.03	29.59	23	2.92	12	-	-	-
B1	20181126	Cloudy	Light	Mid-Flood	S	1	8:42	7.78	8.09	29.52	23	2.82	12	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181126	Cloudy	Light	Mid-Flood	B	4.6	9:00	7.89	8	30.51	23	4.67	14	-	-	-
B2	20181126	Cloudy	Light	Mid-Flood	B	4.6	9:01	8.01	8.04	29.91	23	4.61	15	-	-	-
B2	20181126	Cloudy	Light	Mid-Flood	S	1	9:01	8.17	8.1	29.87	23.1	2.71	14	-	-	-
B2	20181126	Cloudy	Light	Mid-Flood	S	1	9:01	8.32	8.1	30.58	23	2.69	15	-	-	-
H1	20181126	Cloudy	Light	Mid-Flood	B	7.7	9:24	7.58	8.06	29.51	23	4.43	11	-	-	-
H1	20181126	Cloudy	Light	Mid-Flood	B	7.7	9:24	7.38	8.1	30.49	23.1	4.39	11	-	-	-
H1	20181126	Cloudy	Light	Mid-Flood	M	4.4	9:25	7.48	8.08	30.78	23	3.37	11	-	-	-
H1	20181126	Cloudy	Light	Mid-Flood	M	4.4	9:25	7.65	8	29.92	23	3.47	11	-	-	-
H1	20181126	Cloudy	Light	Mid-Flood	S	1	9:25	7.57	8	30.4	23	2.87	11	-	-	-
H1	20181126	Cloudy	Light	Mid-Flood	S	1	9:26	7.75	8.09	29.89	23	2.91	10	-	-	-
B3	20181126	Cloudy	Light	Mid-Flood	B	4.6	9:37	7.86	8.07	30.59	23	4.71	14	-	-	-
B3	20181126	Cloudy	Light	Mid-Flood	B	4.6	9:37	8	8.02	29.66	23	4.65	15	-	-	-
B3	20181126	Cloudy	Light	Mid-Flood	S	1	9:38	7.82	8	30.97	23	2.95	13	-	-	-
B3	20181126	Cloudy	Light	Mid-Flood	S	1	9:38	8.01	8.1	30.4	23	2.94	13	-	-	-
B4	20181126	Cloudy	Light	Mid-Flood	B	4.5	9:47	7.83	8.01	30.45	23	4.22	13	-	-	-
B4	20181126	Cloudy	Light	Mid-Flood	B	4.5	9:47	7.65	8.06	30.27	23	4.14	14	-	-	-
B4	20181126	Cloudy	Light	Mid-Flood	S	1	9:47	7.5	8.05	30.41	23	2.25	10	-	-	-
B4	20181126	Cloudy	Light	Mid-Flood	S	1	9:48	7.68	8.04	30.16	23	2.15	10	-	-	-
F1	20181126	Cloudy	Light	Mid-Flood	B	7.8	10:15	7.95	8.01	30.68	23	4.26	13	-	-	-
F1	20181126	Cloudy	Light	Mid-Flood	B	7.8	10:16	8.09	8.09	29.95	23	4.26	14	-	-	-
F1	20181126	Cloudy	Light	Mid-Flood	M	4.4	10:16	7.94	8.01	30.16	23	3.46	12	-	-	-
F1	20181126	Cloudy	Light	Mid-Flood	M	4.4	10:16	7.94	8.01	30.64	23	3.43	13	-	-	-
F1	20181126	Cloudy	Light	Mid-Flood	S	1	10:17	8.03	8.09	30.19	23	2.41	12	-	-	-
F1	20181126	Cloudy	Light	Mid-Flood	S	1	10:17	7.99	8.06	30.48	23	2.45	12	-	-	-
M1	20181126	Cloudy	Light	Mid-Flood	B	8.1	10:45	7.55	8.09	30.24	23	4.35	13	-	-	-
M1	20181126	Cloudy	Light	Mid-Flood	B	8.1	10:46	7.35	8	30.92	23	4.36	14	-	-	-
M1	20181126	Cloudy	Light	Mid-Flood	M	4.6	10:46	7.42	8.07	30.37	23	3.23	11	-	-	-
M1	20181126	Cloudy	Light	Mid-Flood	M	4.6	10:47	7.45	8.03	29.99	23	3.18	12	-	-	-
M1	20181126	Cloudy	Light	Mid-Flood	S	1	10:47	7.38	8.07	30.7	23	2.14	11	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181126	Cloudy	Light	Mid-Flood	S	1	10:47	7.4	8.02	30.08	23	2.16	11	-	-	-
C1	20181126	Sunny	Light	Mid-Ebb	B	10.4	12:43	7.68	8.03	30.71	23	4.53	10	-	-	-
C1	20181126	Sunny	Light	Mid-Ebb	B	10.4	12:43	7.59	8.05	30.68	23.1	4.46	12	-	-	-
C1	20181126	Sunny	Light	Mid-Ebb	M	5.7	12:44	7.69	8.1	30.01	23	3.29	11	-	-	-
C1	20181126	Sunny	Light	Mid-Ebb	M	5.7	12:44	7.73	8.1	29.81	23	3.3	11	-	-	-
C1	20181126	Sunny	Light	Mid-Ebb	S	1	12:44	7.74	8.05	30.98	23	2.12	11	-	-	-
C1	20181126	Sunny	Light	Mid-Ebb	S	1	12:45	7.92	8.03	30.82	23	2.06	11	-	-	-
B1	20181126	Sunny	Light	Mid-Ebb	B	4.4	13:06	7.89	8.04	30.13	23.1	4.39	14	-	-	-
B1	20181126	Sunny	Light	Mid-Ebb	B	4.4	13:06	7.94	8	30.54	23	4.29	14	-	-	-
B1	20181126	Sunny	Light	Mid-Ebb	S	1	13:07	8.05	8	30.38	23.1	2.92	15	-	-	-
B1	20181126	Sunny	Light	Mid-Ebb	S	1	13:07	8.04	8.05	30.99	23	2.96	14	-	-	-
B2	20181126	Sunny	Light	Mid-Ebb	B	4.3	13:24	7.79	8.09	29.58	23	4.66	15	-	-	-
B2	20181126	Sunny	Light	Mid-Ebb	B	4.3	13:24	7.73	8.05	29.71	23	4.76	15	-	-	-
B2	20181126	Sunny	Light	Mid-Ebb	S	1	13:24	7.58	8.09	29.63	23	2.15	11	-	-	-
B2	20181126	Sunny	Light	Mid-Ebb	S	1	13:25	7.41	8.02	30.41	23	2.16	12	-	-	-
H1	20181126	Sunny	Light	Mid-Ebb	B	7.5	13:46	7.65	8.02	29.84	23	4.8	16	-	-	-
H1	20181126	Sunny	Light	Mid-Ebb	B	7.5	13:46	7.71	8	30.06	23	4.9	16	-	-	-
H1	20181126	Sunny	Light	Mid-Ebb	M	4.3	13:47	7.65	8.08	30.81	23	3.04	15	-	-	-
H1	20181126	Sunny	Light	Mid-Ebb	M	4.3	13:47	7.51	8.07	29.98	23	3.12	16	-	-	-
H1	20181126	Sunny	Light	Mid-Ebb	S	1	13:48	7.61	8.08	30.83	23	2.78	13	-	-	-
H1	20181126	Sunny	Light	Mid-Ebb	S	1	13:48	7.59	8.07	30.4	23	2.69	12	-	-	-
CR2	20181126	Sunny	Light	Mid-Ebb	B	7.8	14:00	7.98	8.06	30.08	23	4.47	11	-	-	-
CR2	20181126	Sunny	Light	Mid-Ebb	B	7.8	14:01	8.09	8.04	30.79	23	4.55	12	-	-	-
CR2	20181126	Sunny	Light	Mid-Ebb	M	4.4	14:01	8.13	8.07	30.24	23	3.69	11	-	-	-
CR2	20181126	Sunny	Light	Mid-Ebb	M	4.4	14:02	7.97	8.08	30.44	23	3.69	11	-	-	-
CR2	20181126	Sunny	Light	Mid-Ebb	S	1	14:02	7.9	8.06	30.5	23	2.14	10	-	-	-
CR2	20181126	Sunny	Light	Mid-Ebb	S	1	14:02	7.92	8.09	30.3	23	2.14	10	-	-	-
CR1	20181126	Sunny	Light	Mid-Ebb	B	7.6	14:13	7.73	8.07	30.51	23	4.94	11	-	-	-
CR1	20181126	Sunny	Light	Mid-Ebb	B	7.6	14:13	7.83	8.09	30.38	23	4.99	11	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181126	Sunny	Light	Mid-Ebb	M	4.3	14:13	7.8	8.07	30	23	3.03	10	-	-	-
CR1	20181126	Sunny	Light	Mid-Ebb	M	4.3	14:14	7.97	8.03	29.67	23	3.11	11	-	-	-
CR1	20181126	Sunny	Light	Mid-Ebb	S	1	14:14	7.79	8.02	30.85	23	2.67	11	-	-	-
CR1	20181126	Sunny	Light	Mid-Ebb	S	1	14:15	7.8	8.05	29.97	23	2.69	10	-	-	-
B3	20181126	Sunny	Light	Mid-Ebb	B	4.5	14:34	7.59	8.02	30.23	23	4.52	13	-	-	-
B3	20181126	Sunny	Light	Mid-Ebb	B	4.5	14:34	7.7	8	30.47	23	4.42	13	-	-	-
B3	20181126	Sunny	Light	Mid-Ebb	S	1	14:35	7.69	8.02	30.13	23	2.68	11	-	-	-
B3	20181126	Sunny	Light	Mid-Ebb	S	1	14:35	7.54	8.02	29.58	23	2.75	12	-	-	-
B4	20181126	Sunny	Light	Mid-Ebb	B	4.4	14:44	7.62	8.1	29.85	23	4.35	15	-	-	-
B4	20181126	Sunny	Light	Mid-Ebb	B	4.4	14:44	7.48	8.02	29.58	23	4.34	14	-	-	-
B4	20181126	Sunny	Light	Mid-Ebb	S	1	14:44	7.4	8.02	30.21	23	2.09	12	-	-	-
B4	20181126	Sunny	Light	Mid-Ebb	S	1	14:45	7.23	8.03	30.5	23	2.18	12	-	-	-
C2	20181126	Sunny	Light	Mid-Ebb	B	7.9	15:00	7.76	8.1	29.99	23	4.45	12	-	-	-
C2	20181126	Sunny	Light	Mid-Ebb	B	7.9	15:00	7.88	8.01	30.12	23	4.52	12	-	-	-
C2	20181126	Sunny	Light	Mid-Ebb	M	4.5	15:01	7.93	8	29.55	23	3.79	12	-	-	-
C2	20181126	Sunny	Light	Mid-Ebb	M	4.5	15:01	8.01	8.08	30.38	23	3.72	11	-	-	-
C2	20181126	Sunny	Light	Mid-Ebb	S	1	15:02	8	8.09	29.5	23	2.87	11	-	-	-
C2	20181126	Sunny	Light	Mid-Ebb	S	1	15:02	7.83	8.05	29.67	23	2.8	12	-	-	-
F1	20181126	Sunny	Light	Mid-Ebb	B	7.6	15:17	7.9	8.05	30.63	23	4.6	14	-	-	-
F1	20181126	Sunny	Light	Mid-Ebb	B	7.6	15:18	8	8.03	29.76	23.1	4.57	13	-	-	-
F1	20181126	Sunny	Light	Mid-Ebb	M	4.3	15:18	7.8	8.01	29.65	23	3.63	11	-	-	-
F1	20181126	Sunny	Light	Mid-Ebb	M	4.3	15:19	7.96	8.1	30.46	23	3.73	12	-	-	-
F1	20181126	Sunny	Light	Mid-Ebb	S	1	15:19	8.05	8.09	29.63	23	2.88	10	-	-	-
F1	20181126	Sunny	Light	Mid-Ebb	S	1	15:19	8.17	8.04	30.8	23	2.96	11	-	-	-
M1	20181126	Sunny	Light	Mid-Ebb	B	7.8	15:48	7.64	8.09	30.52	23	4.43	14	-	-	-
M1	20181126	Sunny	Light	Mid-Ebb	B	7.8	15:48	7.51	8.01	30.5	23	4.33	14	-	-	-
M1	20181126	Sunny	Light	Mid-Ebb	M	4.4	15:48	7.34	8	30.54	23	3.01	12	-	-	-
M1	20181126	Sunny	Light	Mid-Ebb	M	4.4	15:49	7.47	8.06	29.68	23	2.91	13	-	-	-
M1	20181126	Sunny	Light	Mid-Ebb	S	1	15:49	7.67	8.04	29.93	23	2.08	12	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181126	Sunny	Light	Mid-Ebb	S	1	15:50	7.67	8.01	30.57	23	2.03	10	-	-	-
C2	20181128	Cloudy	Light	Mid-Flood	B	9.4	9:34	7.92	8.08	30.24	23.2	4.17	9	-	-	-
C2	20181128	Cloudy	Light	Mid-Flood	B	9.4	9:34	7.93	8.1	30.07	23.2	4.25	8	-	-	-
C2	20181128	Cloudy	Light	Mid-Flood	M	5.2	9:34	7.89	8.04	30.77	23.3	3.14	8	-	-	-
C2	20181128	Cloudy	Light	Mid-Flood	M	5.2	9:35	7.86	8.13	30.18	23.2	3.25	8	-	-	-
C2	20181128	Cloudy	Light	Mid-Flood	S	1	9:35	7.92	8.12	30.7	23.2	2.63	6	-	-	-
C2	20181128	Cloudy	Light	Mid-Flood	S	1	9:35	7.98	8.08	30.99	23.2	2.6	6	-	-	-
CR1	20181128	Cloudy	Light	Mid-Flood	B	7.8	9:52	8.25	8.13	30.28	23.2	4.25	9	-	-	-
CR1	20181128	Cloudy	Light	Mid-Flood	B	7.8	9:52	8.34	8.06	30.18	23.2	4.39	10	-	-	-
CR1	20181128	Cloudy	Light	Mid-Flood	M	4.4	9:53	8.26	8.07	30.38	23.3	3.91	9	-	-	-
CR1	20181128	Cloudy	Light	Mid-Flood	M	4.4	9:53	8.34	8.03	30.26	23.2	3.84	8	-	-	-
CR1	20181128	Cloudy	Light	Mid-Flood	S	1	9:53	8.4	8.03	30.64	23.2	2.01	8	-	-	-
CR1	20181128	Cloudy	Light	Mid-Flood	S	1	9:54	8.4	8.02	30.29	23.2	2.15	7	-	-	-
CR2	20181128	Cloudy	Light	Mid-Flood	B	7.7	10:03	8.29	8.13	30.18	23.2	4.3	10	-	-	-
CR2	20181128	Cloudy	Light	Mid-Flood	B	7.7	10:03	8.31	8.06	30.09	23.3	4.43	10	-	-	-
CR2	20181128	Cloudy	Light	Mid-Flood	M	4.4	10:04	8.21	8.15	30.7	23.2	3.1	8	-	-	-
CR2	20181128	Cloudy	Light	Mid-Flood	M	4.4	10:04	8.11	8.08	30.3	23.2	3.01	8	-	-	-
CR2	20181128	Cloudy	Light	Mid-Flood	S	1	10:05	8.2	8.1	30.24	23.2	2.93	7	-	-	-
CR2	20181128	Cloudy	Light	Mid-Flood	S	1	10:05	8.18	8.02	30.14	23.2	2.98	7	-	-	-
C1	20181128	Cloudy	Light	Mid-Flood	B	11.3	10:35	7.96	8.11	30.07	23.2	4.95	10	-	-	-
C1	20181128	Cloudy	Light	Mid-Flood	B	11.3	10:36	7.95	8	30	23.2	4.96	11	-	-	-
C1	20181128	Cloudy	Light	Mid-Flood	M	6.2	10:36	7.89	8.1	30.39	23.3	3.61	8	-	-	-
C1	20181128	Cloudy	Light	Mid-Flood	M	6.2	10:37	7.83	8.1	30.09	23.2	3.76	8	-	-	-
C1	20181128	Cloudy	Light	Mid-Flood	S	1	10:37	7.9	8.15	30.46	23.3	2.26	6	-	-	-
C1	20181128	Cloudy	Light	Mid-Flood	S	1	10:37	7.82	8.03	30.01	23.2	2.24	6	-	-	-
B1	20181128	Cloudy	Light	Mid-Flood	B	4.7	11:01	8.08	8.09	30.07	23.3	4.1	16	-	-	-
B1	20181128	Cloudy	Light	Mid-Flood	B	4.7	11:01	8.03	8.1	30.15	23.2	4.02	16	-	-	-
B1	20181128	Cloudy	Light	Mid-Flood	S	1	11:01	8.08	8.05	30.47	23.2	2.59	9	-	-	-
B1	20181128	Cloudy	Light	Mid-Flood	S	1	11:02	8.13	8.05	30.71	23.2	2.62	18	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181128	Cloudy	Light	Mid-Flood	B	4.6	11:14	8.29	8.08	30.46	23.2	4.61	7	-	-	-
B2	20181128	Cloudy	Light	Mid-Flood	B	4.6	11:15	8.24	8.02	30.48	23.2	4.54	7	-	-	-
B2	20181128	Cloudy	Light	Mid-Flood	S	1	11:15	8.33	8.13	31	23.3	2.46	15	-	-	-
B2	20181128	Cloudy	Light	Mid-Flood	S	1	11:15	8.37	8.07	30.38	23.2	2.55	7	-	-	-
H1	20181128	Cloudy	Light	Mid-Flood	B	7.7	11:36	8.06	8.07	30.16	23.2	4.68	9	-	-	-
H1	20181128	Cloudy	Light	Mid-Flood	B	7.7	11:36	8.03	8.1	30.24	23.2	4.78	9	-	-	-
H1	20181128	Cloudy	Light	Mid-Flood	M	4.4	11:37	8.11	8.05	30.29	23.2	3.19	8	-	-	-
H1	20181128	Cloudy	Light	Mid-Flood	M	4.4	11:37	8.07	8.05	30.9	23.2	3.13	8	-	-	-
H1	20181128	Cloudy	Light	Mid-Flood	S	1	11:37	8.08	8.1	30.55	23.2	2.45	7	-	-	-
H1	20181128	Cloudy	Light	Mid-Flood	S	1	11:38	8.05	8.13	30.62	23.2	2.38	7	-	-	-
B3	20181128	Cloudy	Light	Mid-Flood	B	4.8	11:44	7.87	8.13	30.81	23.2	4.34	7	-	-	-
B3	20181128	Cloudy	Light	Mid-Flood	B	4.8	11:44	7.82	8.14	30.53	23.2	4.26	6	-	-	-
B3	20181128	Cloudy	Light	Mid-Flood	S	1	11:45	7.82	8.1	30.95	23.2	2.34	7	-	-	-
B3	20181128	Cloudy	Light	Mid-Flood	S	1	11:45	7.73	8.03	30.73	23.2	2.33	7	-	-	-
B4	20181128	Cloudy	Light	Mid-Flood	B	4.6	11:54	8.09	8.03	30.72	23.2	4.41	9	-	-	-
B4	20181128	Cloudy	Light	Mid-Flood	B	4.6	11:54	8.01	8.1	30.96	23.2	4.27	8	-	-	-
B4	20181128	Cloudy	Light	Mid-Flood	S	1	11:54	8.11	8.11	30.09	23.2	2.8	8	-	-	-
B4	20181128	Cloudy	Light	Mid-Flood	S	1	11:55	8.01	8.11	30.11	23.2	2.71	8	-	-	-
F1	20181128	Cloudy	Light	Mid-Flood	B	8.1	12:28	7.9	8.06	31	23.3	4.02	9	-	-	-
F1	20181128	Cloudy	Light	Mid-Flood	B	8.1	12:29	7.94	8.12	30.59	23.2	4.11	8	-	-	-
F1	20181128	Cloudy	Light	Mid-Flood	M	4.6	12:29	8.02	8.12	30.57	23.2	3.58	8	-	-	-
F1	20181128	Cloudy	Light	Mid-Flood	M	4.6	12:29	7.96	8.11	30.98	23.2	3.57	8	-	-	-
F1	20181128	Cloudy	Light	Mid-Flood	S	1	12:30	7.99	8.03	30.39	23.3	2.6	8	-	-	-
F1	20181128	Cloudy	Light	Mid-Flood	S	1	12:30	8.02	8.15	30.44	23.2	2.47	8	-	-	-
M1	20181128	Cloudy	Light	Mid-Flood	B	8	12:56	8.26	8.15	30.19	23.2	4.05	9	-	-	-
M1	20181128	Cloudy	Light	Mid-Flood	B	8	12:57	8.33	8.01	30.93	23.2	4.18	8	-	-	-
M1	20181128	Cloudy	Light	Mid-Flood	M	4.5	12:57	8.24	8.03	30.38	23.2	3.01	9	-	-	-
M1	20181128	Cloudy	Light	Mid-Flood	M	4.5	12:58	8.28	8.12	30.59	23.2	2.93	9	-	-	-
M1	20181128	Cloudy	Light	Mid-Flood	S	1	12:58	8.21	8.12	30.91	23.2	2.41	7	-	-	-



Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181128	Cloudy	Light	Mid-Flood	S	1	12:58	8.22	8.11	30.53	23.2	2.37	8	-	-	-
C1	20181128	Fine	Light	Mid-Ebb	B	10.6	14:57	8.07	8.02	30.6	23.2	4.92	12	-	-	-
C1	20181128	Fine	Light	Mid-Ebb	B	10.6	14:57	8.16	8.12	30.7	23.2	4.94	10	-	-	-
C1	20181128	Fine	Light	Mid-Ebb	M	5.8	14:58	8.06	8.02	30.5	23.2	3.97	10	-	-	-
C1	20181128	Fine	Light	Mid-Ebb	M	5.8	14:58	7.97	8.14	30.55	23.2	4.02	10	-	-	-
C1	20181128	Fine	Light	Mid-Ebb	S	1	14:58	7.87	8.03	30.36	23.3	2.32	8	-	-	-
C1	20181128	Fine	Light	Mid-Ebb	S	1	14:59	7.91	8.07	31	23.2	2.2	8	-	-	-
B1	20181128	Fine	Light	Mid-Ebb	B	4.4	15:21	8.23	8.12	30.43	23.2	4.2	9	-	-	-
B1	20181128	Fine	Light	Mid-Ebb	B	4.4	15:21	8.21	8.14	30.72	23.2	4.14	10	-	-	-
B1	20181128	Fine	Light	Mid-Ebb	S	1	15:22	8.29	8.13	30.46	23.2	2.79	8	-	-	-
B1	20181128	Fine	Light	Mid-Ebb	S	1	15:22	8.31	8.04	30.06	23.2	2.87	8	-	-	-
B2	20181128	Fine	Light	Mid-Ebb	B	4.3	15:34	7.83	8.07	30.26	23.2	4.43	12	-	-	-
B2	20181128	Fine	Light	Mid-Ebb	B	4.3	15:34	7.83	8.01	30.15	23.2	4.43	13	-	-	-
B2	20181128	Fine	Light	Mid-Ebb	S	1	15:34	7.84	8.06	30.16	23.2	2.9	10	-	-	-
B2	20181128	Fine	Light	Mid-Ebb	S	1	15:35	7.82	8.15	30.03	23.2	2.91	10	-	-	-
H1	20181128	Fine	Light	Mid-Ebb	B	7.5	15:55	8.11	8.02	30.12	23.2	4.12	7	-	-	-
H1	20181128	Fine	Light	Mid-Ebb	B	7.5	15:55	8.19	8.11	30.78	23.2	4.06	7	-	-	-
H1	20181128	Fine	Light	Mid-Ebb	M	4.3	15:56	8.15	8.15	30.7	23.2	3.04	8	-	-	-
H1	20181128	Fine	Light	Mid-Ebb	M	4.3	15:56	8.2	8.11	30.06	23.2	2.95	7	-	-	-
H1	20181128	Fine	Light	Mid-Ebb	S	1	15:57	8.14	8.07	30.62	23.2	2.18	9	-	-	-
H1	20181128	Fine	Light	Mid-Ebb	S	1	15:57	8.07	8.03	30.16	23.2	2.11	9	-	-	-
CR2	20181128	Fine	Light	Mid-Ebb	B	7.4	16:07	8	8.01	30.68	23.2	4.66	10	-	-	-
CR2	20181128	Fine	Light	Mid-Ebb	B	7.4	16:08	8.03	8.06	30.87	23.2	4.81	12	-	-	-
CR2	20181128	Fine	Light	Mid-Ebb	M	4.2	16:08	7.95	8.1	30.43	23.2	3.58	11	-	-	-
CR2	20181128	Fine	Light	Mid-Ebb	M	4.2	16:09	7.96	8.06	30.85	23.2	3.67	11	-	-	-
CR2	20181128	Fine	Light	Mid-Ebb	S	1	16:09	7.95	8.09	30.2	23.2	2.98	10	-	-	-
CR2	20181128	Fine	Light	Mid-Ebb	S	1	16:09	7.99	8.01	30.56	23.2	2.92	11	-	-	-
CR1	20181128	Fine	Light	Mid-Ebb	B	7.3	16:22	8.02	8.04	30.62	23.2	4.95	12	-	-	-
CR1	20181128	Fine	Light	Mid-Ebb	B	7.3	16:22	8.05	8.15	30.13	23.2	4.88	12	-	-	-

Contract No. EP/SP/66/12  
 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181128	Fine	Light	Mid-Ebb	M	4.2	16:22	8.08	8.06	30.19	23.3	3.4	10	-	-	-
CR1	20181128	Fine	Light	Mid-Ebb	M	4.2	16:23	8.17	8.03	30.53	23.2	3.49	11	-	-	-
CR1	20181128	Fine	Light	Mid-Ebb	S	1	16:23	8.26	8.09	30.74	23.2	2.7	12	-	-	-
CR1	20181128	Fine	Light	Mid-Ebb	S	1	16:24	8.23	8.05	30.77	23.2	2.77	11	-	-	-
B3	20181128	Fine	Light	Mid-Ebb	B	4.4	16:39	8.01	8.15	31	23.3	4.07	9	-	-	-
B3	20181128	Fine	Light	Mid-Ebb	B	4.4	16:39	7.95	8.05	30.27	23.2	3.94	10	-	-	-
B3	20181128	Fine	Light	Mid-Ebb	S	1	16:40	7.94	8.06	30.11	23.2	2.19	10	-	-	-
B3	20181128	Fine	Light	Mid-Ebb	S	1	16:40	7.92	8.15	30.96	23.2	2.05	9	-	-	-
B4	20181128	Fine	Light	Mid-Ebb	B	4.3	16:48	8.2	8.04	30.94	23.2	4.81	7	-	-	-
B4	20181128	Fine	Light	Mid-Ebb	B	4.3	16:48	8.23	8.1	30.18	23.2	4.89	7	-	-	-
B4	20181128	Fine	Light	Mid-Ebb	S	1	16:48	8.15	8.04	30.03	23.2	2.13	5	-	-	-
B4	20181128	Fine	Light	Mid-Ebb	S	1	16:49	8.25	8.14	30.87	23.3	2.15	5	-	-	-
C2	20181128	Fine	Light	Mid-Ebb	B	9.2	16:58	8.4	8	30.26	23.2	4.39	14	-	-	-
C2	20181128	Fine	Light	Mid-Ebb	B	9.2	16:58	8.38	8.01	30.02	23.2	4.42	13	-	-	-
C2	20181128	Fine	Light	Mid-Ebb	M	5.1	16:59	8.37	8.15	30.63	23.2	3.58	14	-	-	-
C2	20181128	Fine	Light	Mid-Ebb	M	5.1	16:59	8.32	8.15	30.42	23.2	3.44	13	-	-	-
C2	20181128	Fine	Light	Mid-Ebb	S	1	17:00	8.32	8.08	30.23	23.2	2.99	12	-	-	-
C2	20181128	Fine	Light	Mid-Ebb	S	1	17:00	8.22	8.03	30.09	23.2	2.97	11	-	-	-
F1	20181128	Fine	Light	Mid-Ebb	B	7.8	17:20	8.08	8.09	30.95	23.2	4.22	14	-	-	-
F1	20181128	Fine	Light	Mid-Ebb	B	7.8	17:21	8.03	8.15	31	23.2	4.27	16	-	-	-
F1	20181128	Fine	Light	Mid-Ebb	M	4.4	17:21	8	8.09	30.98	23.2	3.16	14	-	-	-
F1	20181128	Fine	Light	Mid-Ebb	M	4.4	17:22	8	8.09	30.43	23.2	3.23	14	-	-	-
F1	20181128	Fine	Light	Mid-Ebb	S	1	17:22	8.03	8.08	30.84	23.2	2.6	18	-	-	-
F1	20181128	Fine	Light	Mid-Ebb	S	1	17:22	8.07	8.1	30.64	23.2	2.61	18	-	-	-
M1	20181128	Fine	Light	Mid-Ebb	B	7.7	17:47	7.98	8.12	30.75	23.2	4.62	11	-	-	-
M1	20181128	Fine	Light	Mid-Ebb	B	7.7	17:47	7.95	8.06	30.02	23.2	4.67	10	-	-	-
M1	20181128	Fine	Light	Mid-Ebb	M	4.4	17:47	7.98	8.02	30.66	23.2	3.35	9	-	-	-
M1	20181128	Fine	Light	Mid-Ebb	M	4.4	17:48	7.93	8.14	30.46	23.2	3.26	10	-	-	-
M1	20181128	Fine	Light	Mid-Ebb	S	1	17:48	7.98	8.02	30.23	23.2	2.09	8	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181128	Fine	Light	Mid-Ebb	S	1	17:49	7.97	8.03	30.62	23.2	2.13	8	-	-	-
C2	20181130	Sunny	Moderate	Mid-Flood	B	9.5	11:41	8.49	8.09	29.69	23.5	4.73	4	-	-	-
C2	20181130	Sunny	Moderate	Mid-Flood	B	9.5	11:41	8.42	8.14	29.88	23.5	4.71	4	-	-	-
C2	20181130	Sunny	Moderate	Mid-Flood	M	5.3	11:41	8.4	8.11	29.64	23.5	3.4	6	-	-	-
C2	20181130	Sunny	Moderate	Mid-Flood	M	5.3	11:42	8.32	8.01	29.52	23.5	3.36	5	-	-	-
C2	20181130	Sunny	Moderate	Mid-Flood	S	1	11:42	8.34	8.1	29.57	23.5	2.52	7	-	-	-
C2	20181130	Sunny	Moderate	Mid-Flood	S	1	11:42	8.44	8	29.51	23.5	2.47	6	-	-	-
CR1	20181130	Sunny	Moderate	Mid-Flood	B	7.9	11:58	8.24	8.06	29.73	23.5	4.98	7	-	-	-
CR1	20181130	Sunny	Moderate	Mid-Flood	B	7.9	11:58	8.2	8.13	29.56	23.5	5.04	7	-	-	-
CR1	20181130	Sunny	Moderate	Mid-Flood	M	4.5	11:59	8.28	8.06	29.66	23.5	3.27	8	-	-	-
CR1	20181130	Sunny	Moderate	Mid-Flood	M	4.5	11:59	8.32	8.1	29.59	23.5	3.3	8	-	-	-
CR1	20181130	Sunny	Moderate	Mid-Flood	S	1	11:59	8.23	8.13	29.88	23.5	2.9	9	-	-	-
CR1	20181130	Sunny	Moderate	Mid-Flood	S	1	12:00	8.18	8.03	29.71	23.5	2.94	9	-	-	-
CR2	20181130	Sunny	Moderate	Mid-Flood	B	7.7	12:06	8.32	8.06	29.57	23.5	4.62	8	-	-	-
CR2	20181130	Sunny	Moderate	Mid-Flood	B	7.7	12:06	8.31	8.04	29.65	23.5	4.69	8	-	-	-
CR2	20181130	Sunny	Moderate	Mid-Flood	M	4.4	12:07	8.29	8.06	29.88	23.5	3.64	9	-	-	-
CR2	20181130	Sunny	Moderate	Mid-Flood	M	4.4	12:07	8.24	8	29.52	23.5	3.67	10	-	-	-
CR2	20181130	Sunny	Moderate	Mid-Flood	S	1	12:08	8.14	8.03	29.67	23.5	2.41	11	-	-	-
CR2	20181130	Sunny	Moderate	Mid-Flood	S	1	12:08	8.13	8.15	29.98	23.5	2.49	10	-	-	-
C1	20181130	Sunny	Moderate	Mid-Flood	B	11.4	12:41	8.1	8	29.97	23.5	4.66	8	-	-	-
C1	20181130	Sunny	Moderate	Mid-Flood	B	11.4	12:42	8.17	8.15	29.76	23.5	4.69	8	-	-	-
C1	20181130	Sunny	Moderate	Mid-Flood	M	6.2	12:42	8.15	8.01	29.6	23.5	3.31	6	-	-	-
C1	20181130	Sunny	Moderate	Mid-Flood	M	6.2	12:43	8.17	8.01	29.55	23.5	3.24	6	-	-	-
C1	20181130	Sunny	Moderate	Mid-Flood	S	1	12:43	8.11	8.05	29.86	23.5	2.75	4	-	-	-
C1	20181130	Sunny	Moderate	Mid-Flood	S	1	12:43	8.21	8.09	29.53	23.6	2.69	4	-	-	-
B1	20181130	Sunny	Moderate	Mid-Flood	B	4.8	13:06	8.32	8.07	29.53	23.5	4.08	5	-	-	-
B1	20181130	Sunny	Moderate	Mid-Flood	B	4.8	13:06	8.32	8.07	29.89	23.5	4.04	6	-	-	-
B1	20181130	Sunny	Moderate	Mid-Flood	S	1	13:06	8.36	8.05	29.57	23.5	2.08	7	-	-	-
B1	20181130	Sunny	Moderate	Mid-Flood	S	1	13:07	8.42	8.04	29.81	23.5	2.06	7	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20181130	Sunny	Moderate	Mid-Flood	B	4.7	13:22	8.21	8.11	29.6	23.5	4.48	6	-	-	-
B2	20181130	Sunny	Moderate	Mid-Flood	B	4.7	13:23	8.17	8.08	29.77	23.5	4.55	5	-	-	-
B2	20181130	Sunny	Moderate	Mid-Flood	S	1	13:23	8.27	8.05	29.95	23.5	2.06	6	-	-	-
B2	20181130	Sunny	Moderate	Mid-Flood	S	1	13:23	8.35	8.13	29.64	23.5	1.99	6	-	-	-
H1	20181130	Sunny	Moderate	Mid-Flood	B	7.9	13:47	8.13	8.03	29.54	23.5	4.13	6	-	-	-
H1	20181130	Sunny	Moderate	Mid-Flood	B	7.9	13:47	8.23	8.06	29.64	23.5	4.1	6	-	-	-
H1	20181130	Sunny	Moderate	Mid-Flood	M	4.5	13:48	8.24	8.08	29.68	23.5	3.54	5	-	-	-
H1	20181130	Sunny	Moderate	Mid-Flood	M	4.5	13:48	8.31	8.05	29.75	23.5	3.51	6	-	-	-
H1	20181130	Sunny	Moderate	Mid-Flood	S	1	13:48	8.4	8.07	29.65	23.5	3	6	-	-	-
H1	20181130	Sunny	Moderate	Mid-Flood	S	1	13:49	8.39	8.07	29.8	23.5	3.02	6	-	-	-
B3	20181130	Sunny	Moderate	Mid-Flood	B	4.7	13:57	8.23	8	29.57	23.5	4.98	7	-	-	-
B3	20181130	Sunny	Moderate	Mid-Flood	B	4.7	13:57	8.27	8.08	29.88	23.5	4.95	6	-	-	-
B3	20181130	Sunny	Moderate	Mid-Flood	S	1	13:58	8.28	8.12	29.96	23.5	2.46	4	-	-	-
B3	20181130	Sunny	Moderate	Mid-Flood	S	1	13:58	8.22	8.06	29.64	23.5	2.4	5	-	-	-
B4	20181130	Sunny	Moderate	Mid-Flood	B	4.6	14:08	8.21	8.03	29.8	23.5	4.56	7	-	-	-
B4	20181130	Sunny	Moderate	Mid-Flood	B	4.6	14:08	8.27	8.03	29.5	23.5	4.58	7	-	-	-
B4	20181130	Sunny	Moderate	Mid-Flood	S	1	14:08	8.25	8.02	29.52	23.6	2.24	5	-	-	-
B4	20181130	Sunny	Moderate	Mid-Flood	S	1	14:09	8.19	8.15	29.93	23.5	2.22	5	-	-	-
F1	20181130	Sunny	Moderate	Mid-Flood	B	8.1	14:37	8.03	8	30	23.5	4.3	5	-	-	-
F1	20181130	Sunny	Moderate	Mid-Flood	B	8.1	14:38	7.99	8.04	29.74	23.5	4.28	6	-	-	-
F1	20181130	Sunny	Moderate	Mid-Flood	M	4.6	14:38	7.91	8.01	29.69	23.5	3.15	6	-	-	-
F1	20181130	Sunny	Moderate	Mid-Flood	M	4.6	14:38	7.96	8.07	29.67	23.5	3.06	6	-	-	-
F1	20181130	Sunny	Moderate	Mid-Flood	S	1	14:39	8.03	8.09	29.69	23.5	2.17	4	-	-	-
F1	20181130	Sunny	Moderate	Mid-Flood	S	1	14:39	8.13	8.08	29.87	23.6	2.24	4	-	-	-
M1	20181130	Sunny	Moderate	Mid-Flood	B	7.9	15:07	8.01	8.15	29.5	23.5	4.71	8	-	-	-
M1	20181130	Sunny	Moderate	Mid-Flood	B	7.9	15:08	8.09	8.05	29.76	23.6	4.72	10	-	-	-
M1	20181130	Sunny	Moderate	Mid-Flood	M	4.5	15:08	8.07	8.14	29.74	23.5	3.23	8	-	-	-
M1	20181130	Sunny	Moderate	Mid-Flood	M	4.5	15:09	8.11	8	29.65	23.5	3.27	9	-	-	-
M1	20181130	Sunny	Moderate	Mid-Flood	S	1	15:09	8.09	8.01	29.7	23.5	2.27	9	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181130	Sunny	Moderate	Mid-Flood	S	1	15:09	8.06	8.05	29.6	23.5	2.18	9	-	-	-
C1	20181130	Cloudy	Light	Mid-Ebb	B	10.7	17:24	8.04	8.05	29.91	23.5	4.17	5	-	-	-
C1	20181130	Cloudy	Light	Mid-Ebb	B	10.7	17:24	8	8.12	29.63	23.6	4.25	5	-	-	-
C1	20181130	Cloudy	Light	Mid-Ebb	M	5.9	17:25	8.09	8.04	29.66	23.6	3.22	5	-	-	-
C1	20181130	Cloudy	Light	Mid-Ebb	M	5.9	17:25	8.08	8.1	29.81	23.5	3.13	4	-	-	-
C1	20181130	Cloudy	Light	Mid-Ebb	S	1	17:25	8.05	8.05	29.59	23.5	2.71	5	-	-	-
C1	20181130	Cloudy	Light	Mid-Ebb	S	1	17:26	8.14	8.07	29.69	23.5	2.67	4	-	-	-
B1	20181130	Cloudy	Light	Mid-Ebb	B	4.5	17:37	8.27	8.09	29.72	23.5	4.25	7	-	-	-
B1	20181130	Cloudy	Light	Mid-Ebb	B	4.5	17:37	8.17	8.13	29.83	23.5	4.18	8	-	-	-
B1	20181130	Cloudy	Light	Mid-Ebb	S	1	17:38	8.17	8.15	29.94	23.5	2.24	7	-	-	-
B1	20181130	Cloudy	Light	Mid-Ebb	S	1	17:38	8.09	8.12	29.56	23.6	2.27	6	-	-	-
B2	20181130	Cloudy	Light	Mid-Ebb	B	4.4	17:47	8.48	8.12	29.89	23.5	4.56	8	-	-	-
B2	20181130	Cloudy	Light	Mid-Ebb	B	4.4	17:47	8.54	8.03	29.59	23.5	4.64	8	-	-	-
B2	20181130	Cloudy	Light	Mid-Ebb	S	1	17:47	8.6	8.14	29.83	23.5	2.21	11	-	-	-
B2	20181130	Cloudy	Light	Mid-Ebb	S	1	17:48	8.54	8.02	29.72	23.5	2.2	11	-	-	-
H1	20181130	Cloudy	Light	Mid-Ebb	B	7.6	18:07	8.11	8.13	29.62	23.5	4.71	10	-	-	-
H1	20181130	Cloudy	Light	Mid-Ebb	B	7.6	18:07	8.02	8.13	29.81	23.5	4.78	9	-	-	-
H1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	18:08	7.99	8.11	29.65	23.5	3.84	10	-	-	-
H1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	18:08	8.04	8.13	29.65	23.5	3.86	10	-	-	-
H1	20181130	Cloudy	Light	Mid-Ebb	S	1	18:09	7.96	8.09	29.64	23.5	2.15	12	-	-	-
H1	20181130	Cloudy	Light	Mid-Ebb	S	1	18:09	7.94	8.11	29.78	23.5	2.19	11	-	-	-
CR2	20181130	Cloudy	Light	Mid-Ebb	B	7.5	18:19	8	8.04	29.93	23.5	4.58	7	-	-	-
CR2	20181130	Cloudy	Light	Mid-Ebb	B	7.5	18:20	7.92	8.1	29.96	23.5	4.66	7	-	-	-
CR2	20181130	Cloudy	Light	Mid-Ebb	M	4.3	18:20	7.94	8.08	29.67	23.5	3.95	8	-	-	-
CR2	20181130	Cloudy	Light	Mid-Ebb	M	4.3	18:21	8.04	8.07	29.76	23.5	3.99	8	-	-	-
CR2	20181130	Cloudy	Light	Mid-Ebb	S	1	18:21	8.03	8.09	29.61	23.5	2.23	10	-	-	-
CR2	20181130	Cloudy	Light	Mid-Ebb	S	1	18:21	8.03	8.08	29.75	23.5	2.19	11	-	-	-
CR1	20181130	Cloudy	Light	Mid-Ebb	B	7.6	18:33	8.2	8.05	29.9	23.5	4.54	12	-	-	-
CR1	20181130	Cloudy	Light	Mid-Ebb	B	7.6	18:33	8.14	8.08	29.92	23.5	4.57	13	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	18:33	8.24	8.06	29.78	23.5	3.73	12	-	-	-
CR1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	18:34	8.19	8.14	29.91	23.5	3.7	10	-	-	-
CR1	20181130	Cloudy	Light	Mid-Ebb	S	1	18:34	8.26	8.03	29.99	23.5	2.97	9	-	-	-
CR1	20181130	Cloudy	Light	Mid-Ebb	S	1	18:35	8.24	8.04	29.77	23.5	3.05	9	-	-	-
B3	20181130	Cloudy	Light	Mid-Ebb	B	4.3	18:51	8.1	8.07	29.63	23.5	4.3	7	-	-	-
B3	20181130	Cloudy	Light	Mid-Ebb	B	4.3	18:51	8.15	8.02	29.65	23.5	4.28	6	-	-	-
B3	20181130	Cloudy	Light	Mid-Ebb	S	1	18:52	8.24	8.14	29.7	23.5	2.42	6	-	-	-
B3	20181130	Cloudy	Light	Mid-Ebb	S	1	18:52	8.24	8.04	29.72	23.5	2.33	6	-	-	-
B4	20181130	Cloudy	Light	Mid-Ebb	B	4.4	19:01	8.11	8.1	29.56	23.5	4.05	6	-	-	-
B4	20181130	Cloudy	Light	Mid-Ebb	B	4.4	19:01	8.1	8.09	29.55	23.5	3.97	7	-	-	-
B4	20181130	Cloudy	Light	Mid-Ebb	S	1	19:01	8.05	8.09	29.58	23.5	2.76	6	-	-	-
B4	20181130	Cloudy	Light	Mid-Ebb	S	1	19:02	8.15	8.13	29.63	23.5	2.84	7	-	-	-
C2	20181130	Cloudy	Light	Mid-Ebb	B	9.1	19:10	8.46	8.04	29.98	23.5	4.81	10	-	-	-
C2	20181130	Cloudy	Light	Mid-Ebb	B	9.1	19:10	8.43	8.08	29.63	23.5	4.9	11	-	-	-
C2	20181130	Cloudy	Light	Mid-Ebb	M	5.1	19:11	8.36	8.13	29.66	23.5	3.44	10	-	-	-
C2	20181130	Cloudy	Light	Mid-Ebb	M	5.1	19:11	8.28	8.1	29.6	23.5	3.48	9	-	-	-
C2	20181130	Cloudy	Light	Mid-Ebb	S	1	19:12	8.36	8.13	29.52	23.5	2.7	11	-	-	-
C2	20181130	Cloudy	Light	Mid-Ebb	S	1	19:12	8.29	8.02	29.58	23.5	2.62	11	-	-	-
F1	20181130	Cloudy	Light	Mid-Ebb	B	7.6	19:34	8.45	8.06	29.84	23.5	4.04	7	-	-	-
F1	20181130	Cloudy	Light	Mid-Ebb	B	7.6	19:35	8.49	8.15	29.55	23.5	4.14	8	-	-	-
F1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	19:35	8.58	8.01	29.6	23.5	3.07	9	-	-	-
F1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	19:36	8.67	8.02	29.63	23.5	3.09	8	-	-	-
F1	20181130	Cloudy	Light	Mid-Ebb	S	1	19:36	8.65	8.01	29.83	23.5	2.05	8	-	-	-
F1	20181130	Cloudy	Light	Mid-Ebb	S	1	19:36	8.7	8.1	29.89	23.5	1.96	8	-	-	-
M1	20181130	Cloudy	Light	Mid-Ebb	B	7.5	20:02	8.27	8.09	29.8	23.5	4.15	8	-	-	-
M1	20181130	Cloudy	Light	Mid-Ebb	B	7.5	20:02	8.24	8.02	29.75	23.5	4.16	7	-	-	-
M1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	20:02	8.15	8.12	29.58	23.5	3.03	8	-	-	-
M1	20181130	Cloudy	Light	Mid-Ebb	M	4.3	20:03	8.12	8.01	29.89	23.5	2.93	7	-	-	-
M1	20181130	Cloudy	Light	Mid-Ebb	S	1	20:03	8.11	8.03	29.99	23.5	2.83	8	-	-	-

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 3	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20181130	Cloudy	Light	Mid-Ebb	S	1	20:04	8.08	8.11	29.81	23.5	2.89	7	-	-	-

Remarks:

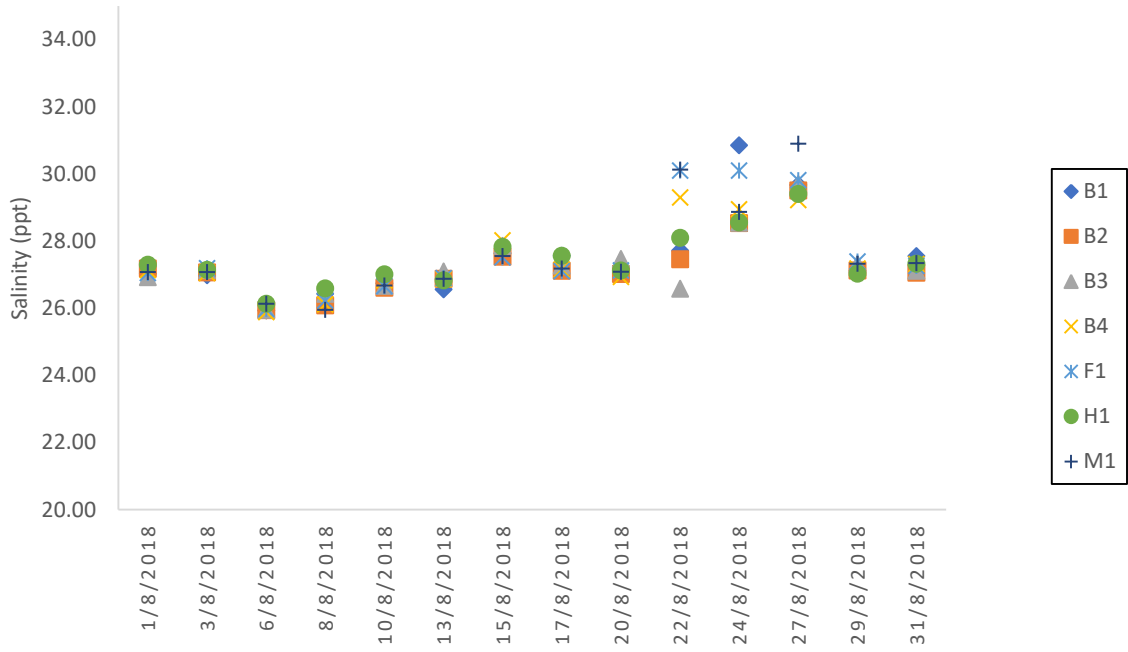
note 1: S – Surface M – Middle B – Bottom

note 2: Cancelled due to container leakage.

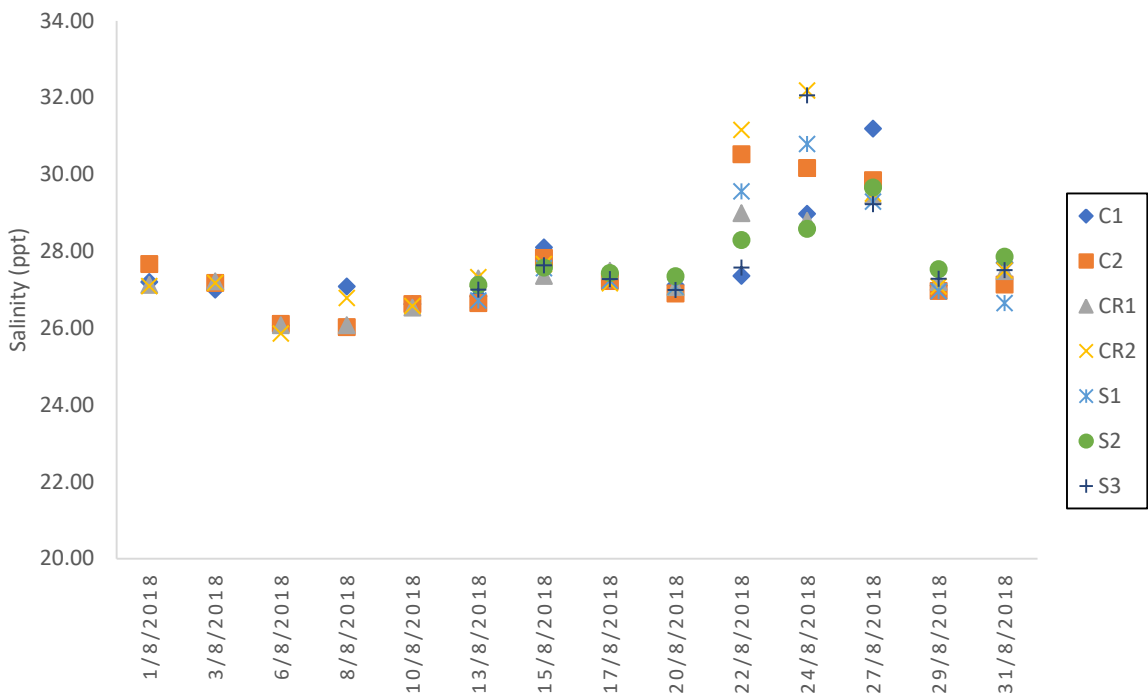
note 3: Measurements of turbidity would be rounding to 0.1 NTU for proven accuracy as per the equipment specs during utilization of data.

note 4: Data in  legend are considered as reference use since their sampling time were out of predicted tidal period as shown in **Appendix C**.

### Salinity (Depth-averaged) during Mid-Flood

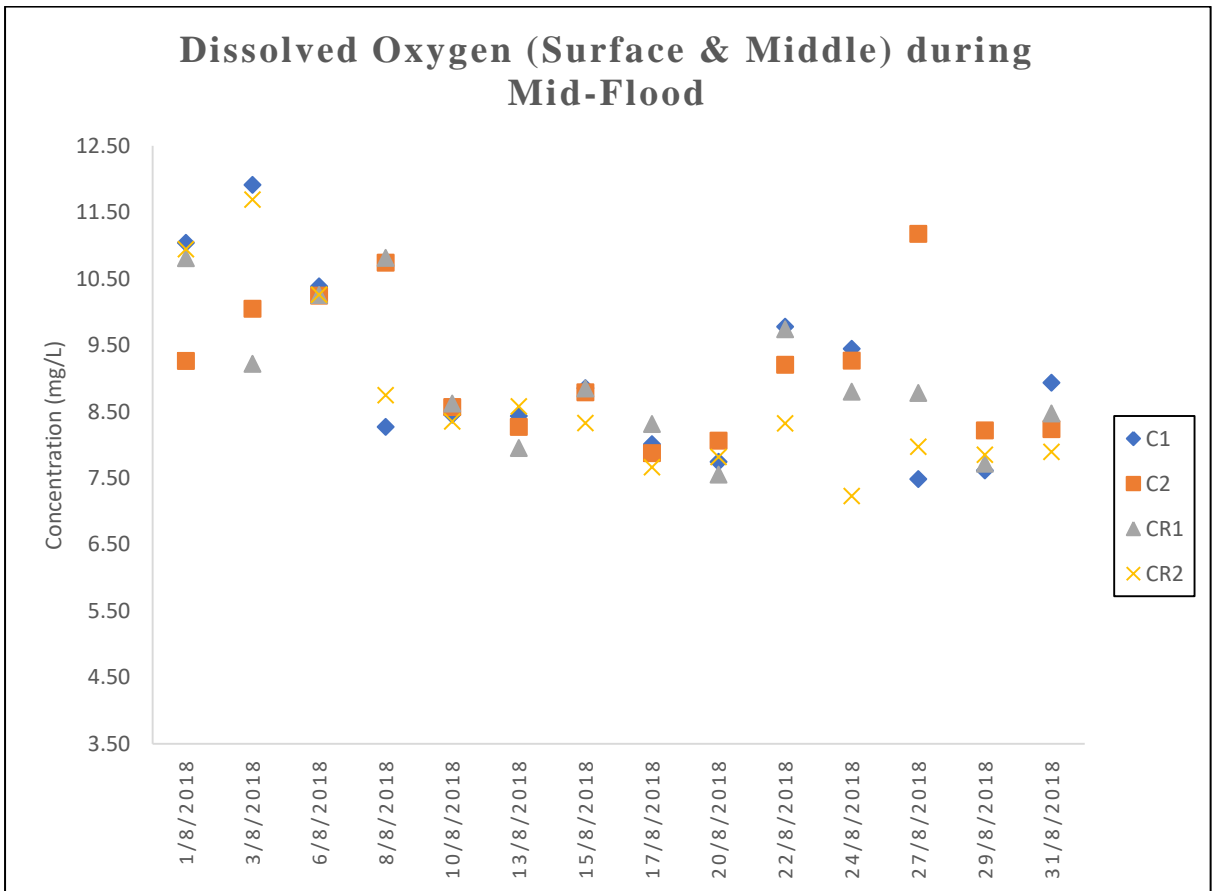
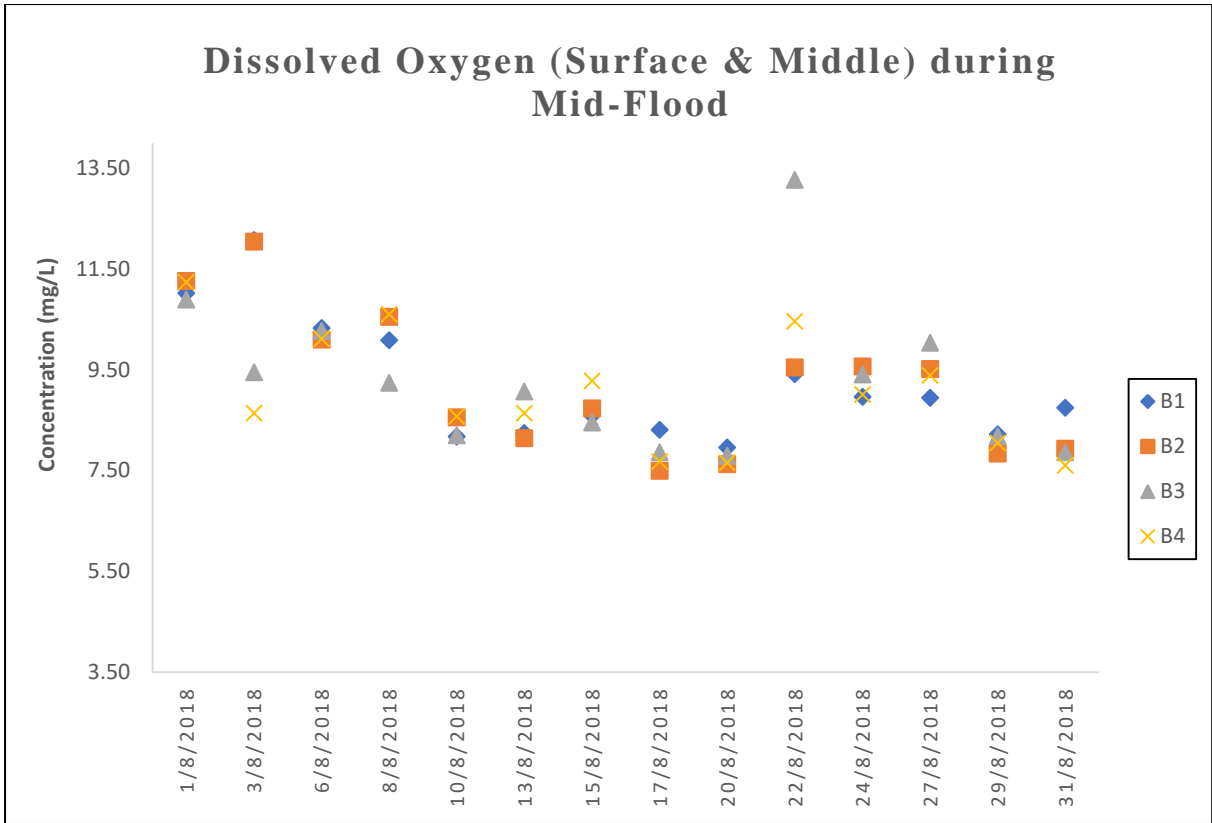


### Salinity (Depth-averaged) during Mid-Flood

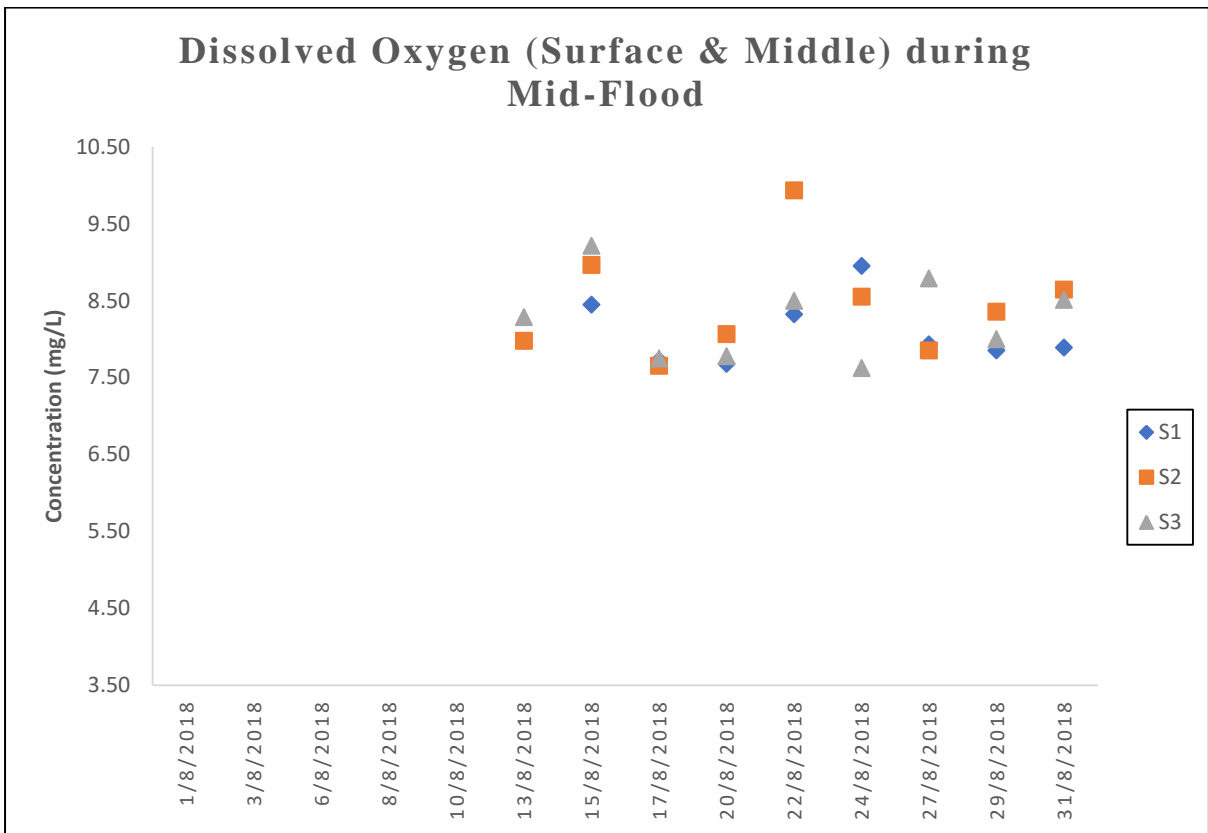
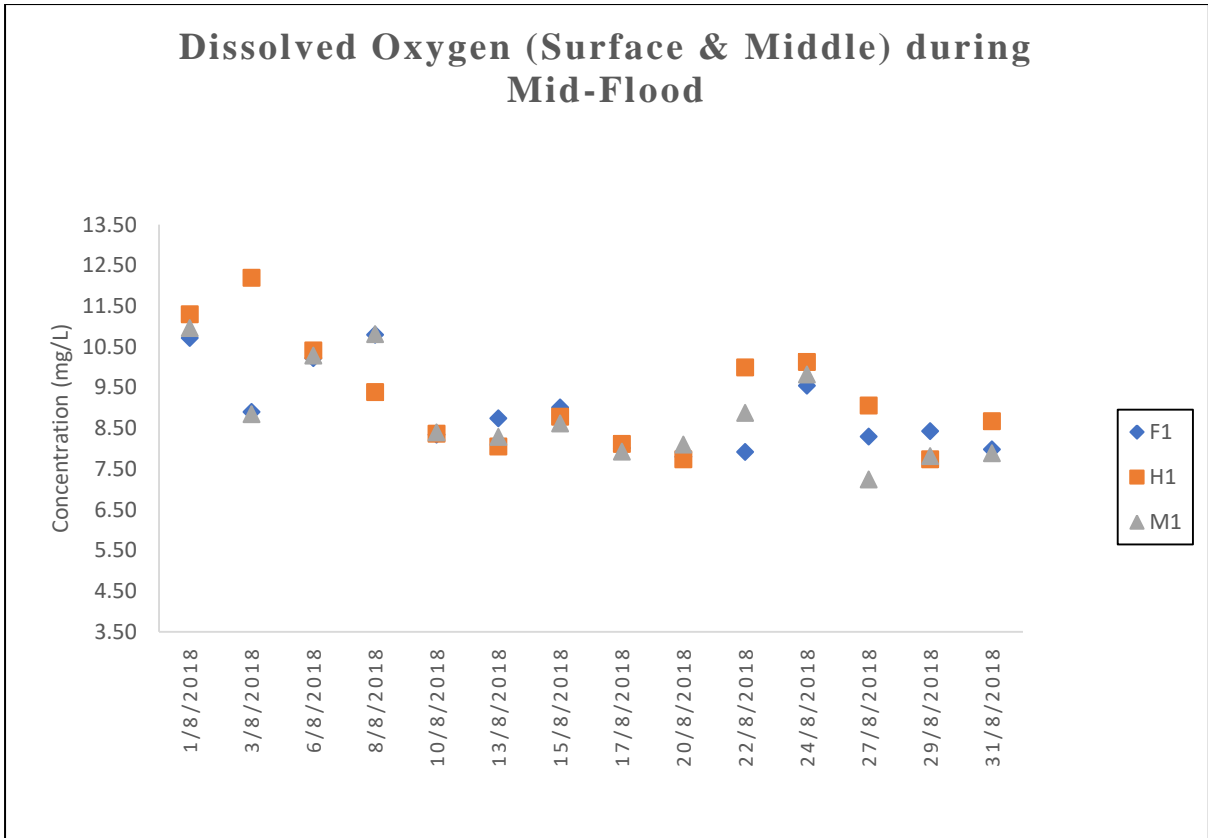




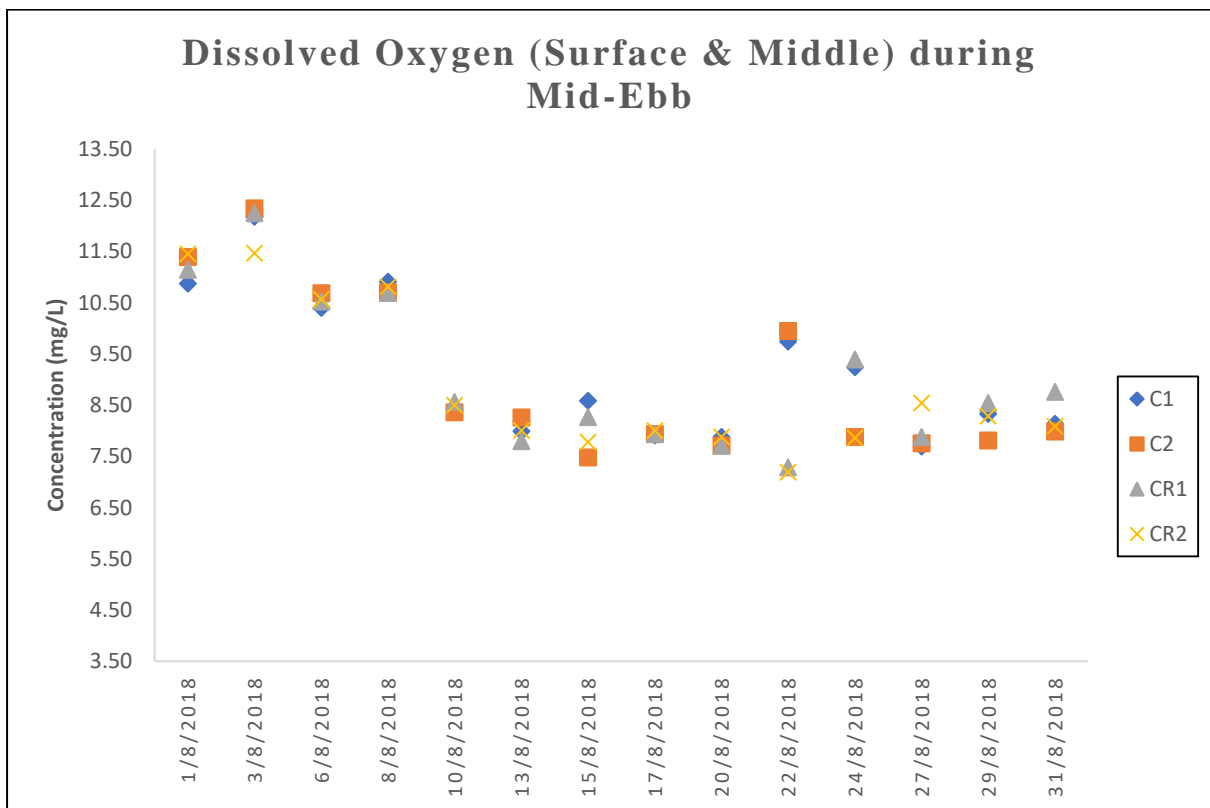
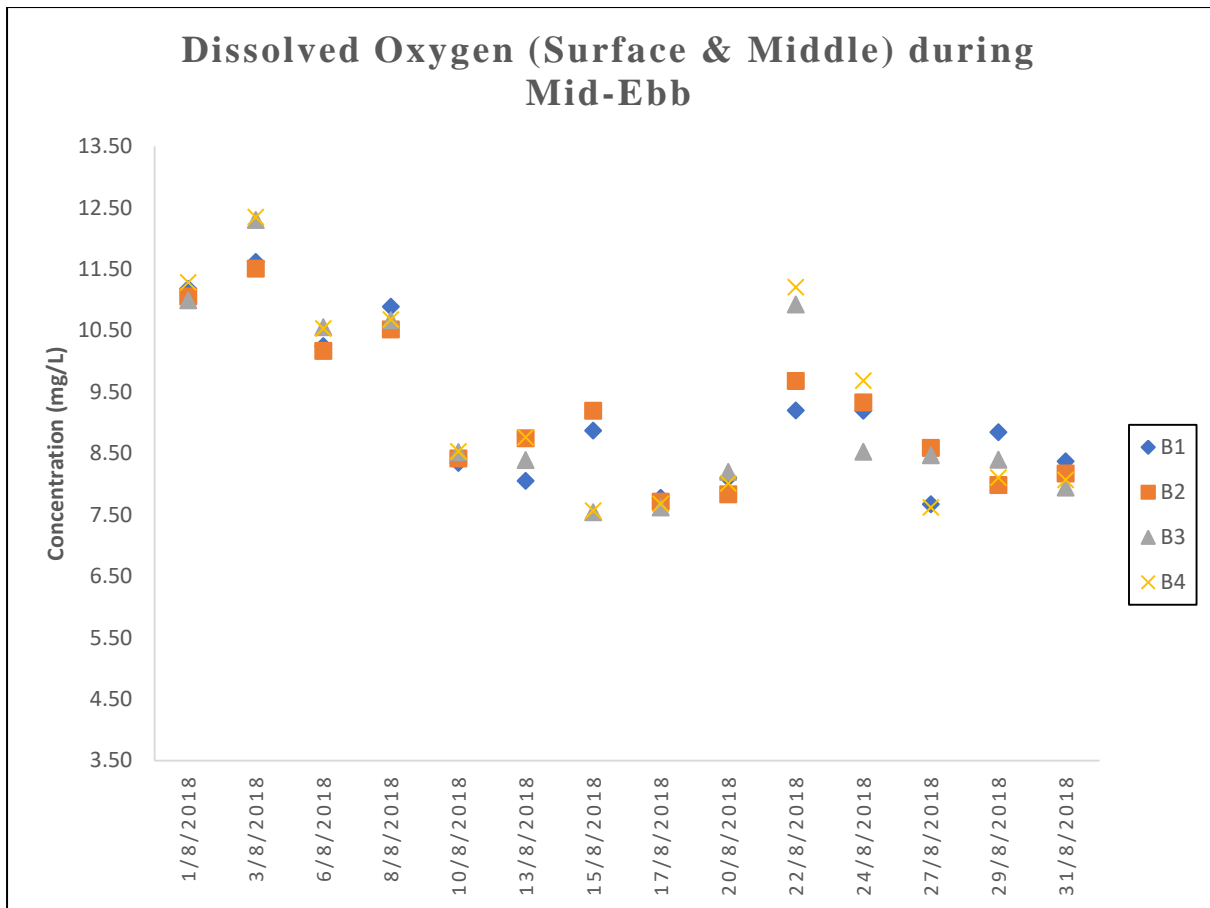




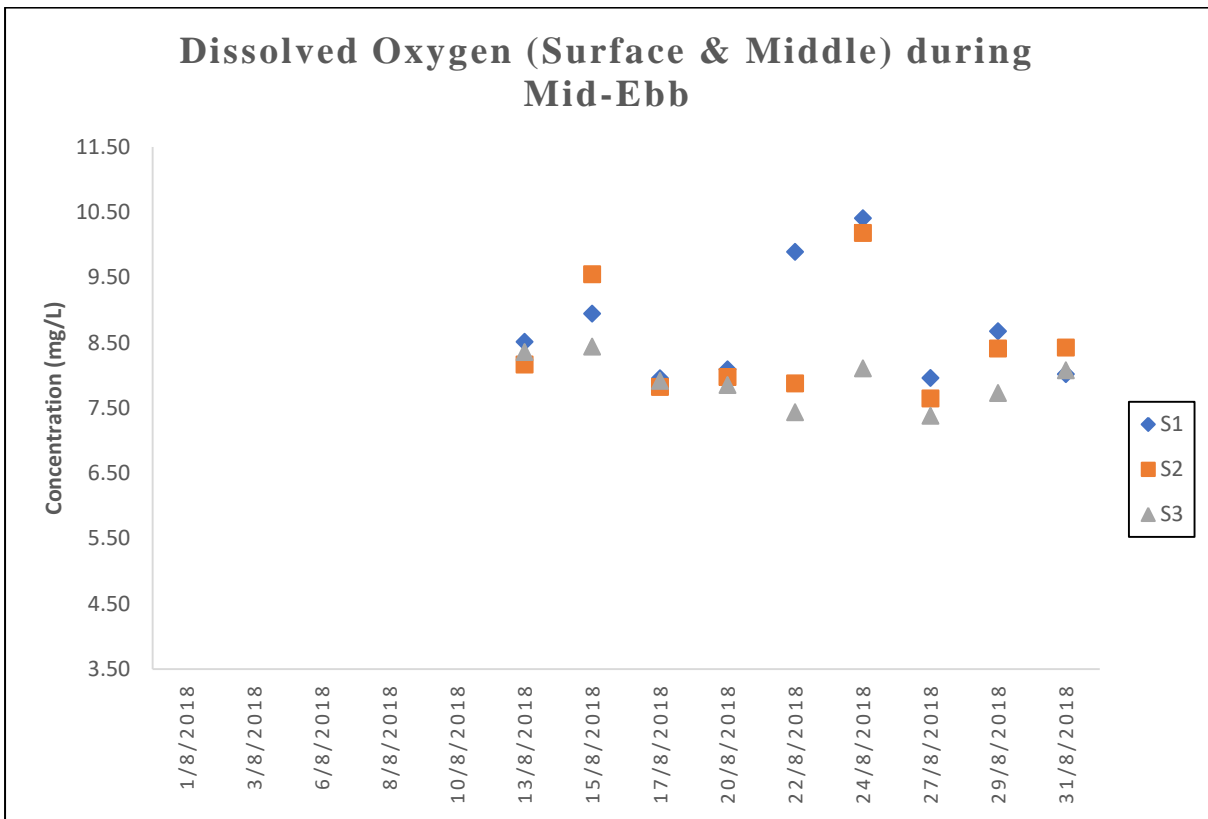
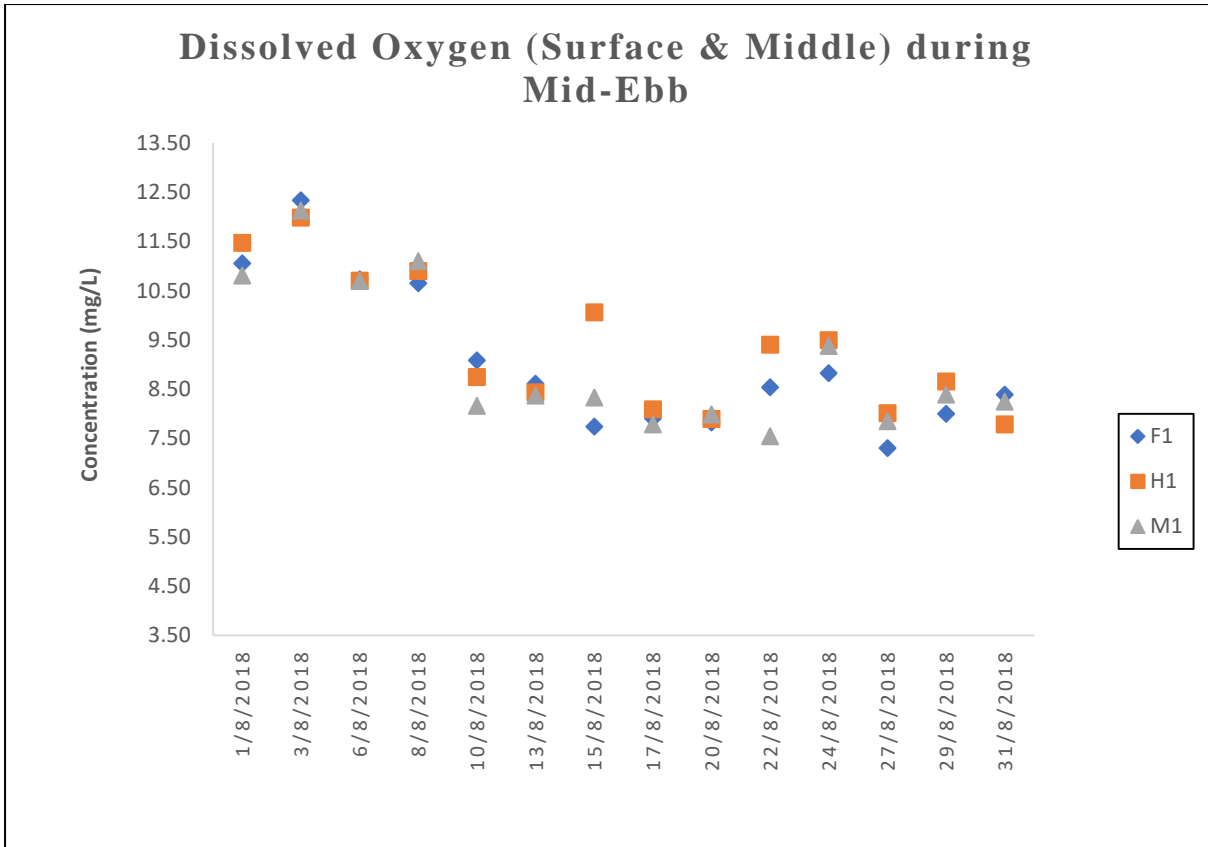
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



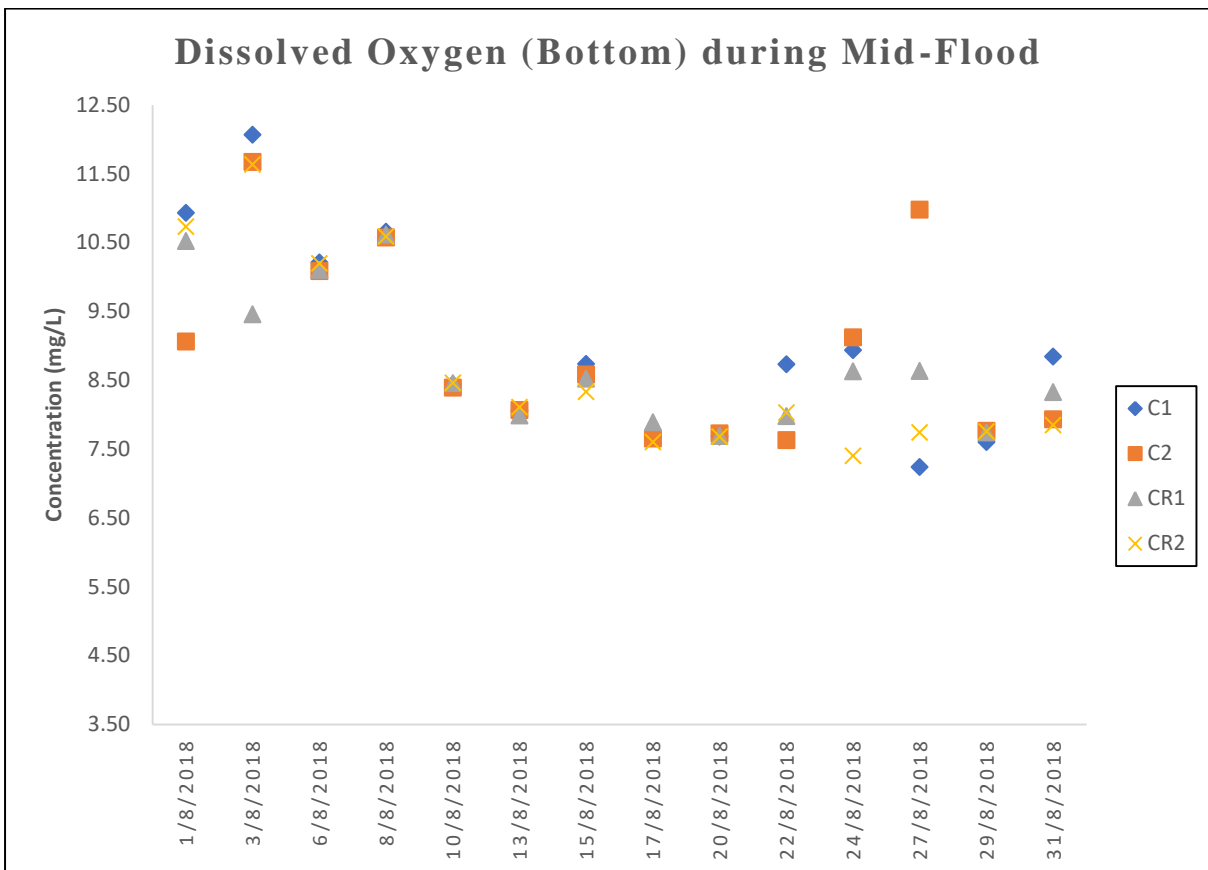
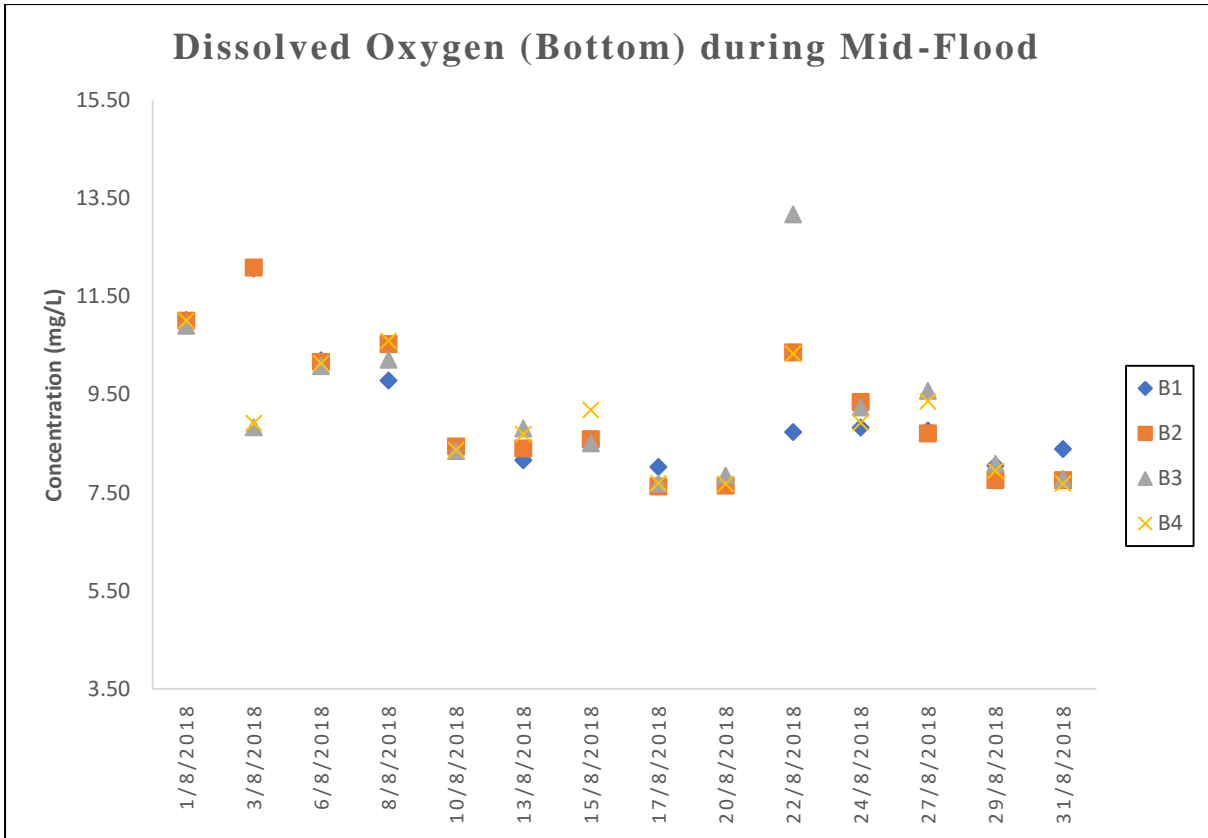
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



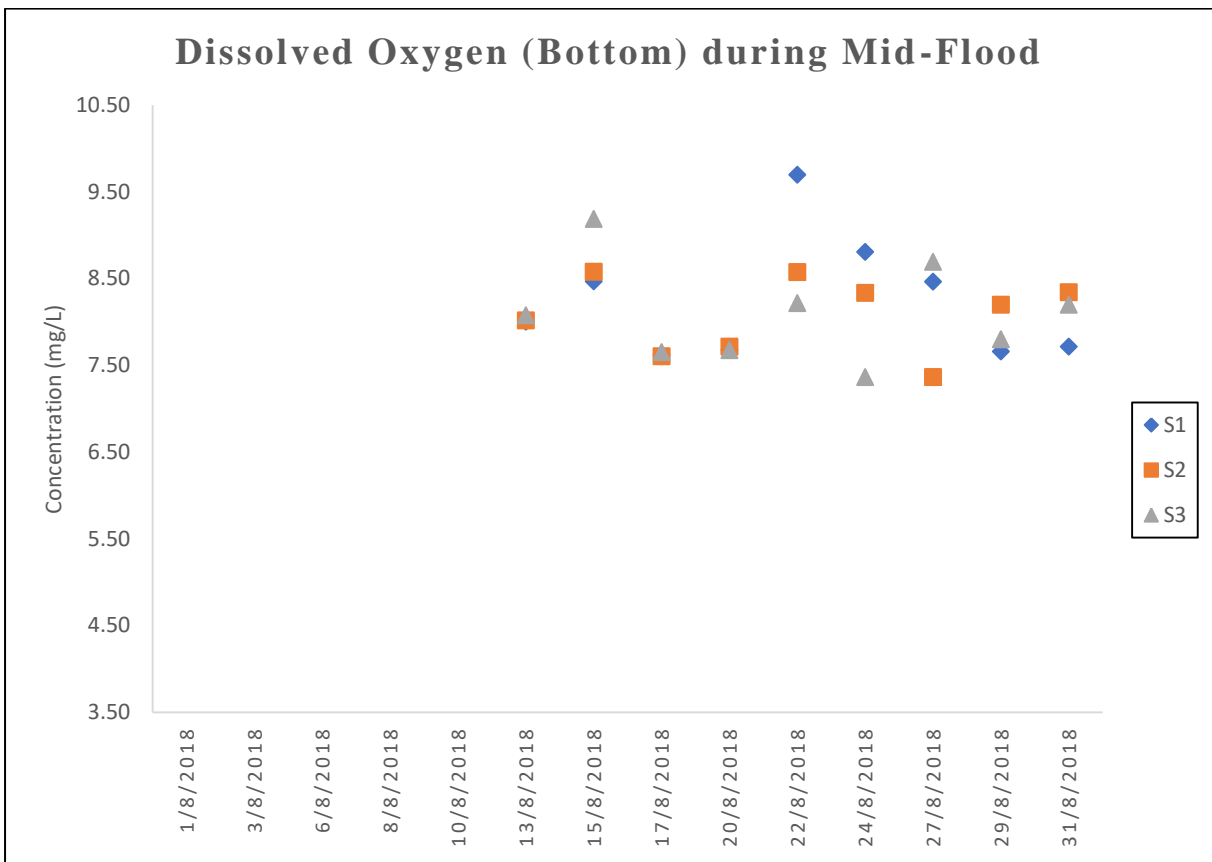
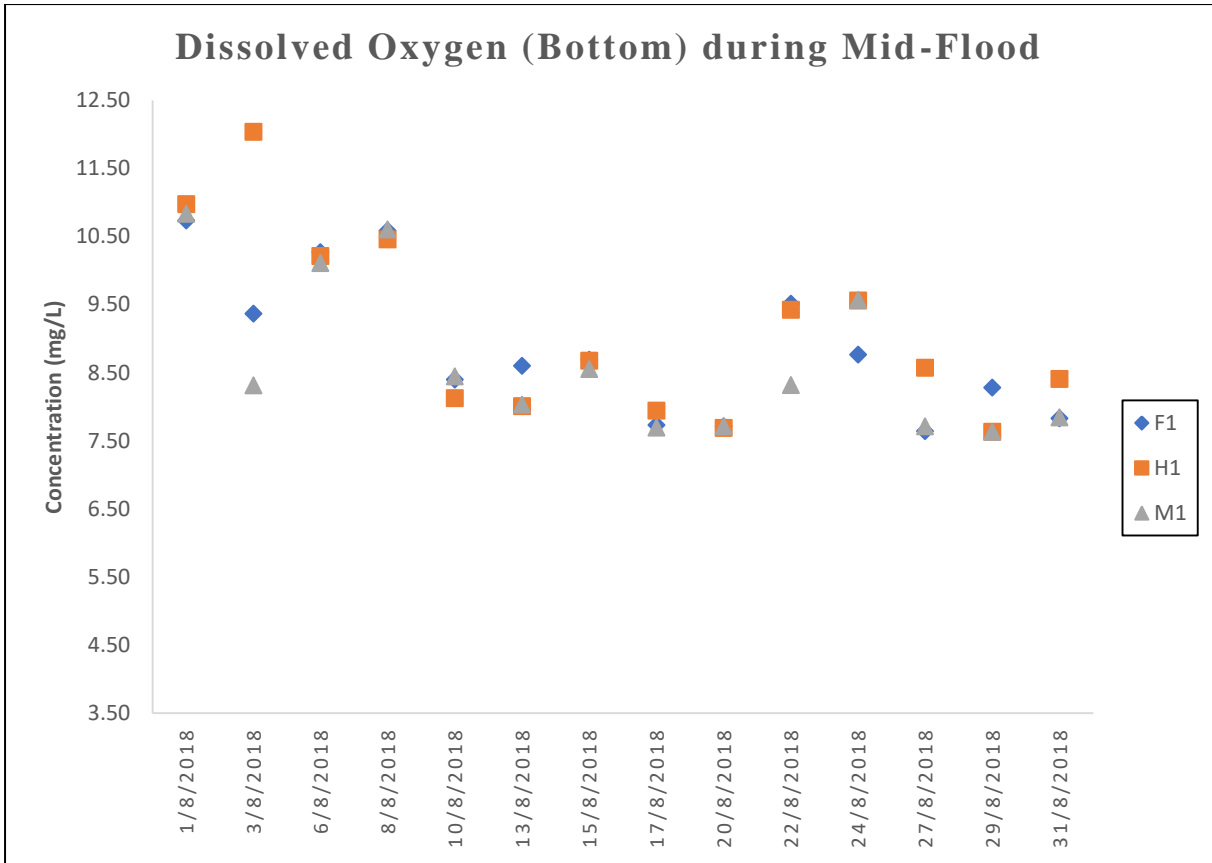
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



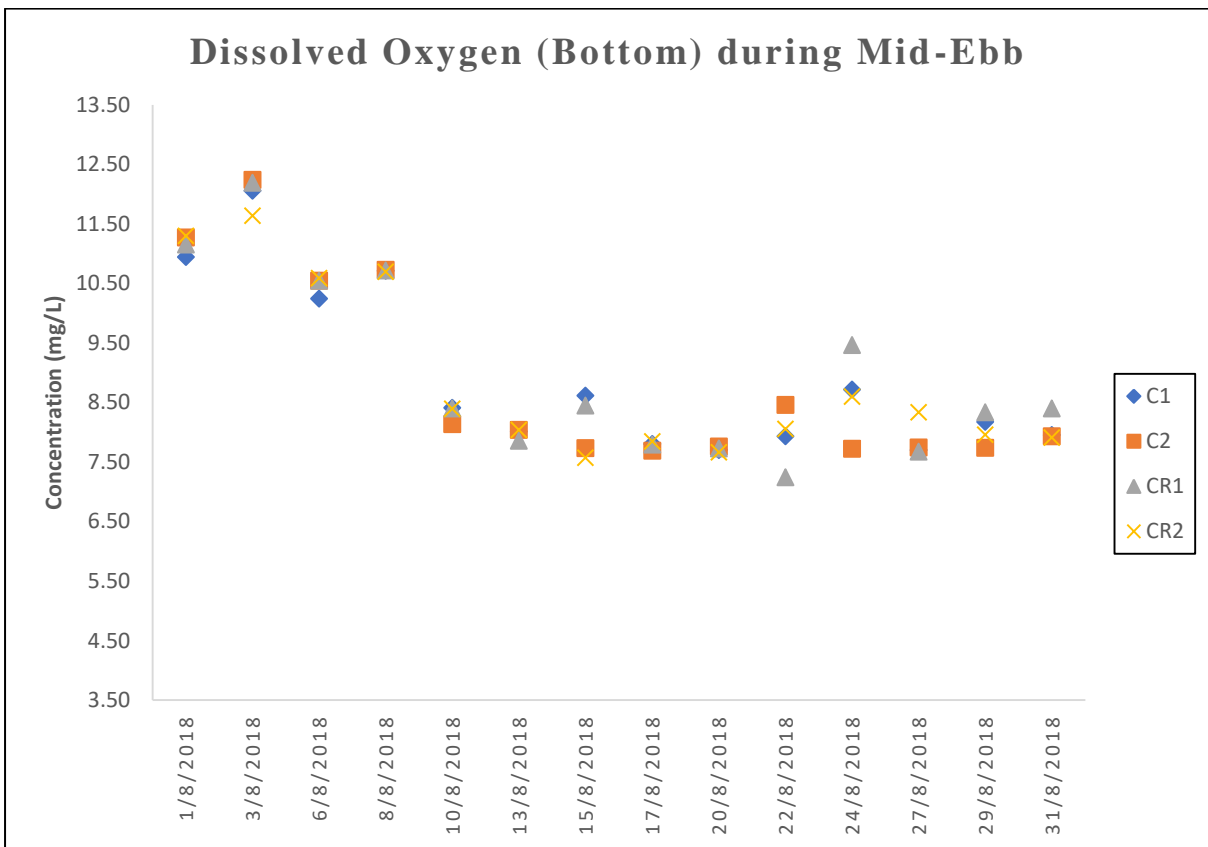
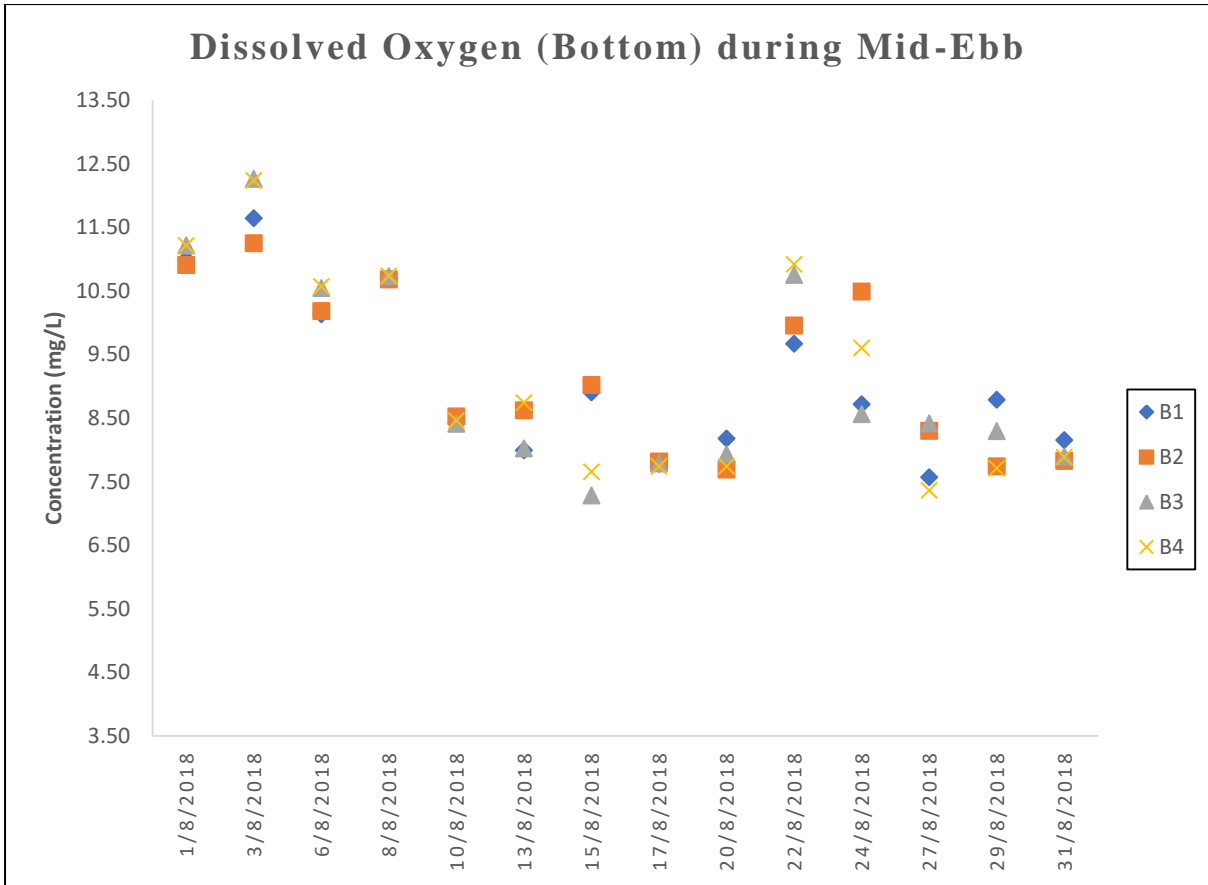
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

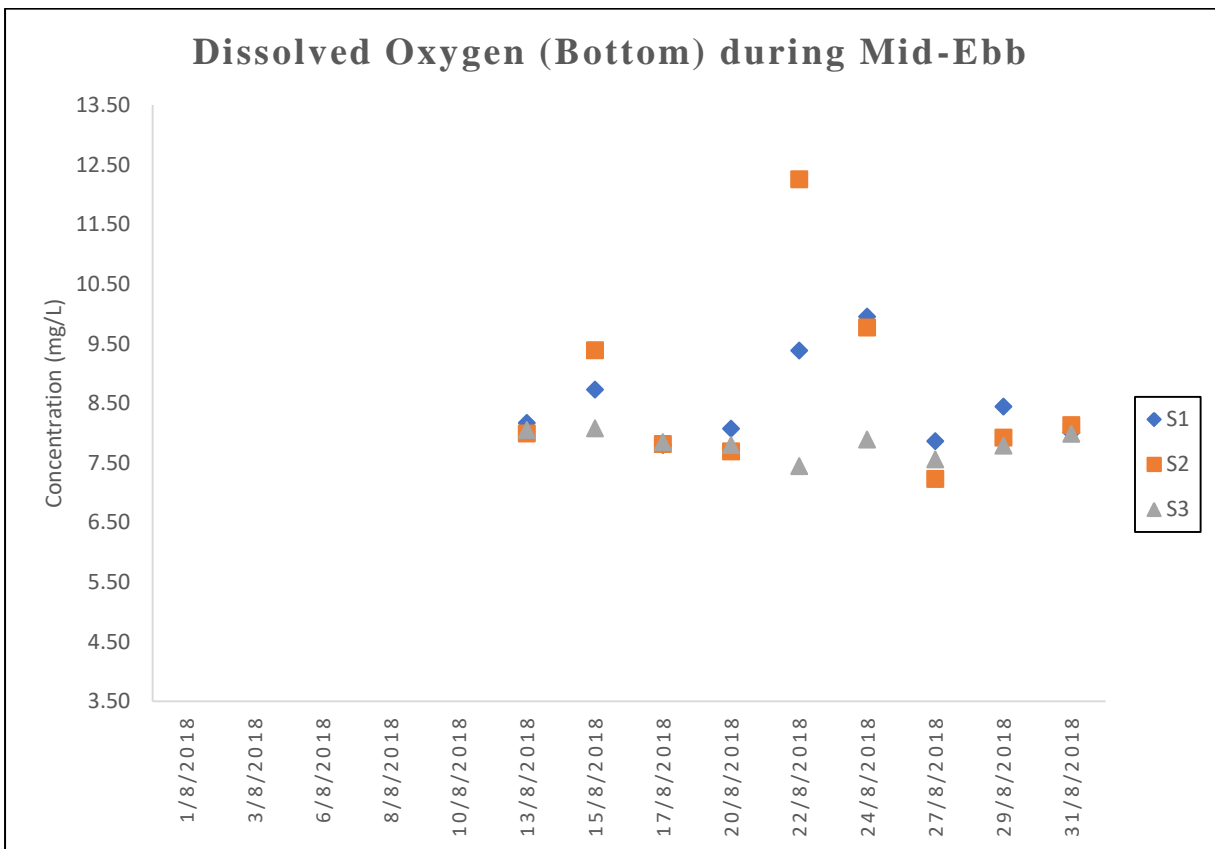
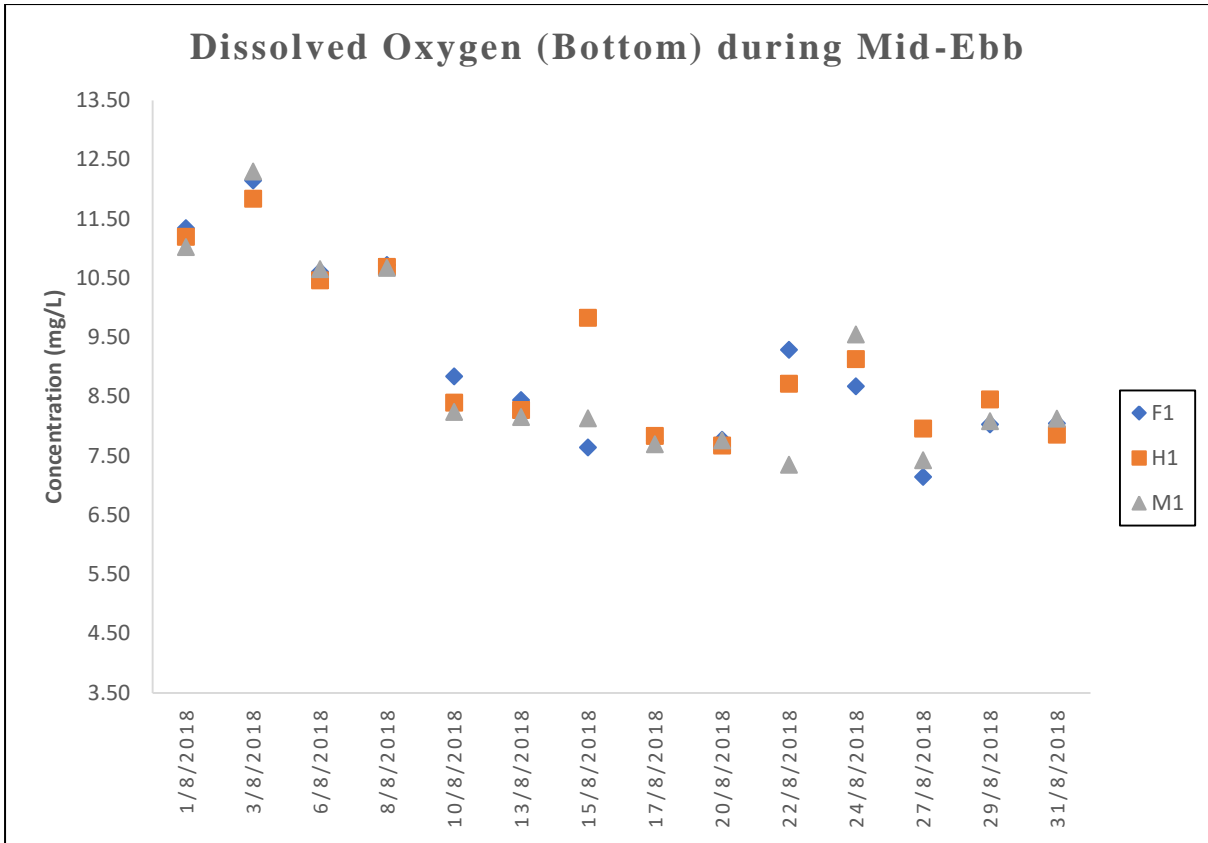


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



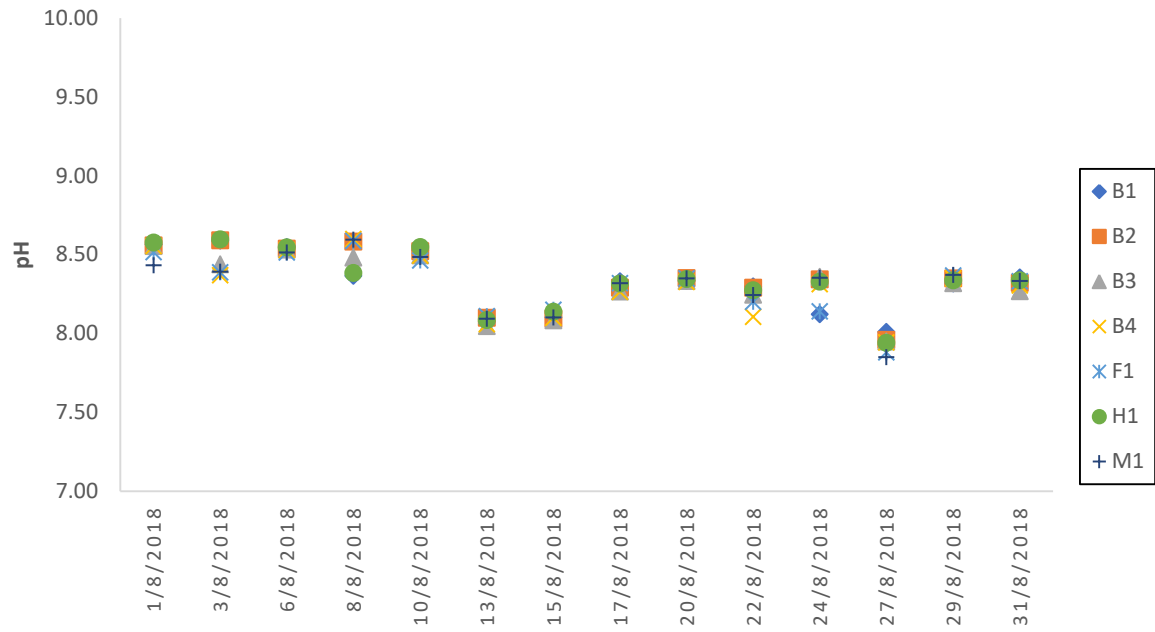
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



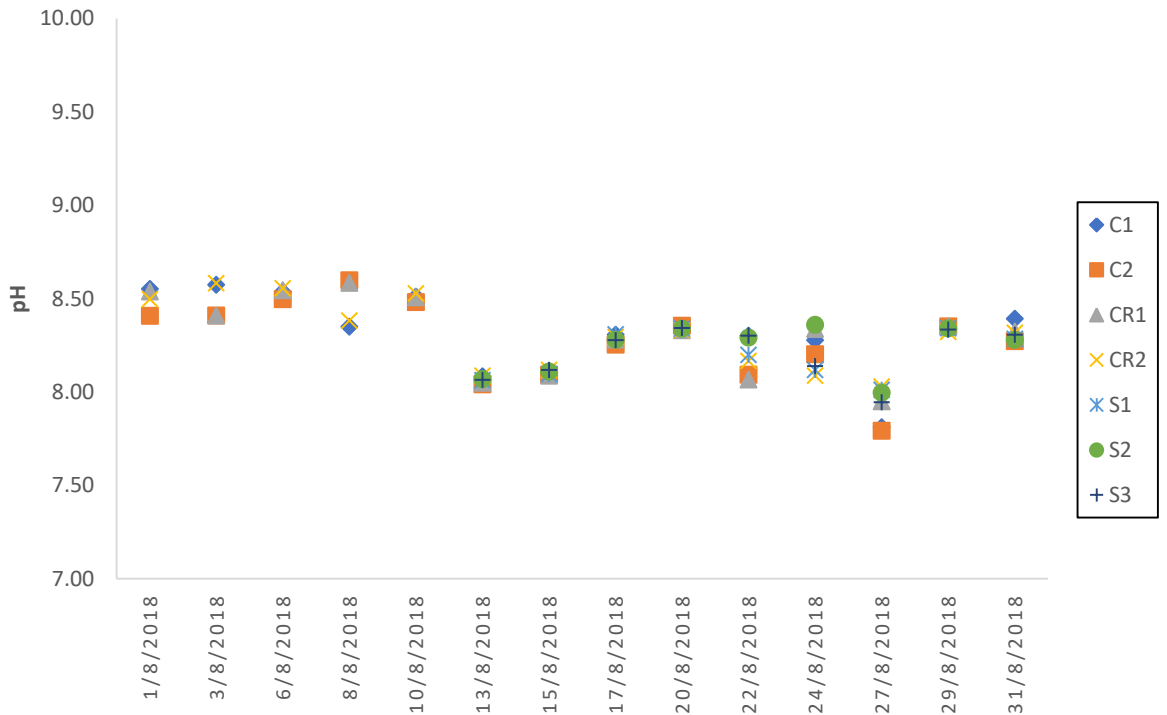


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

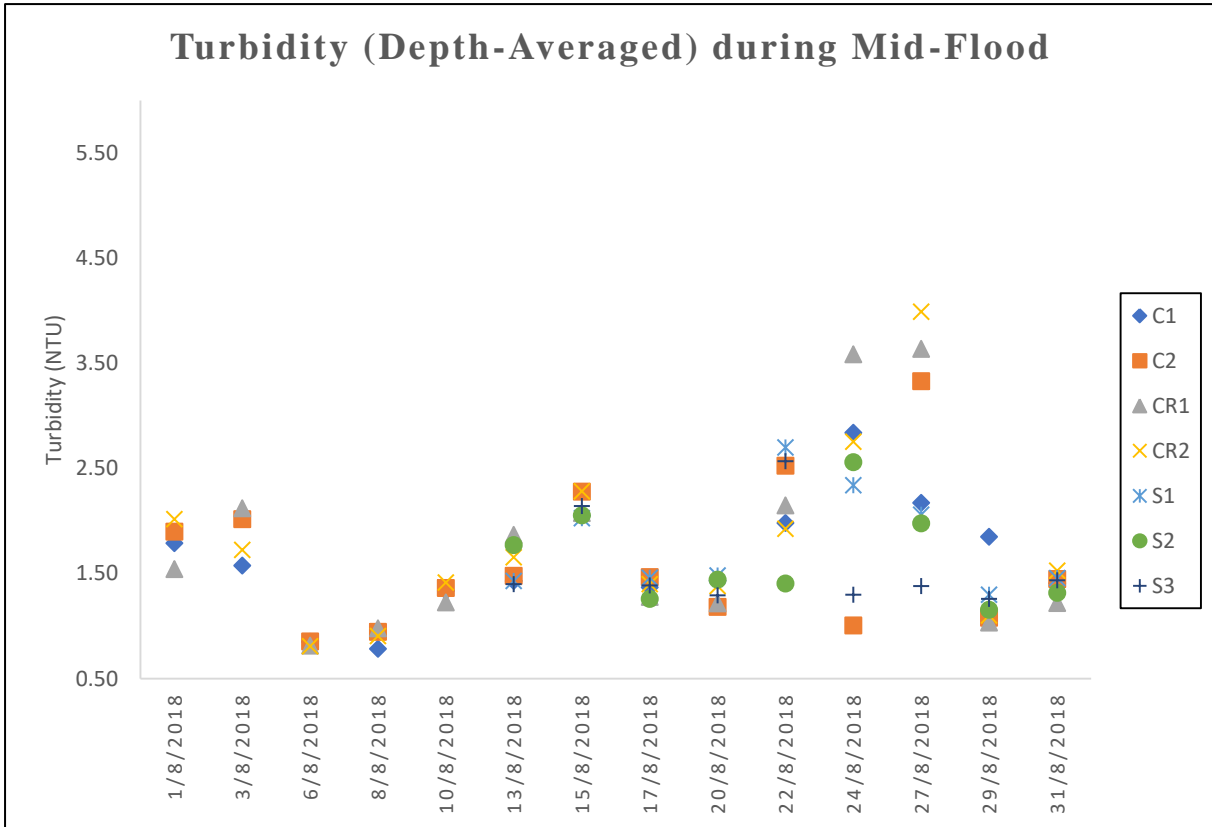
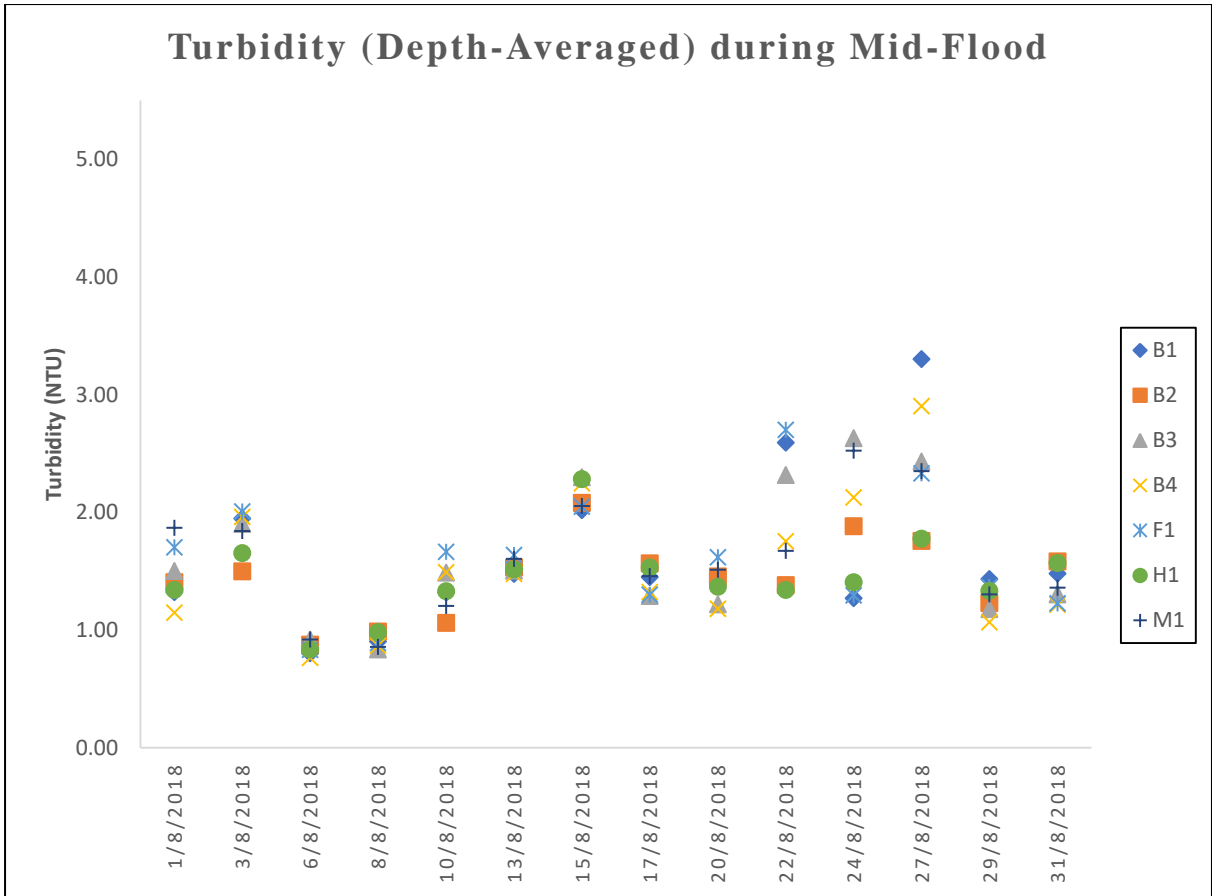
### pH (Depth-Averaged) during Mid-Flood



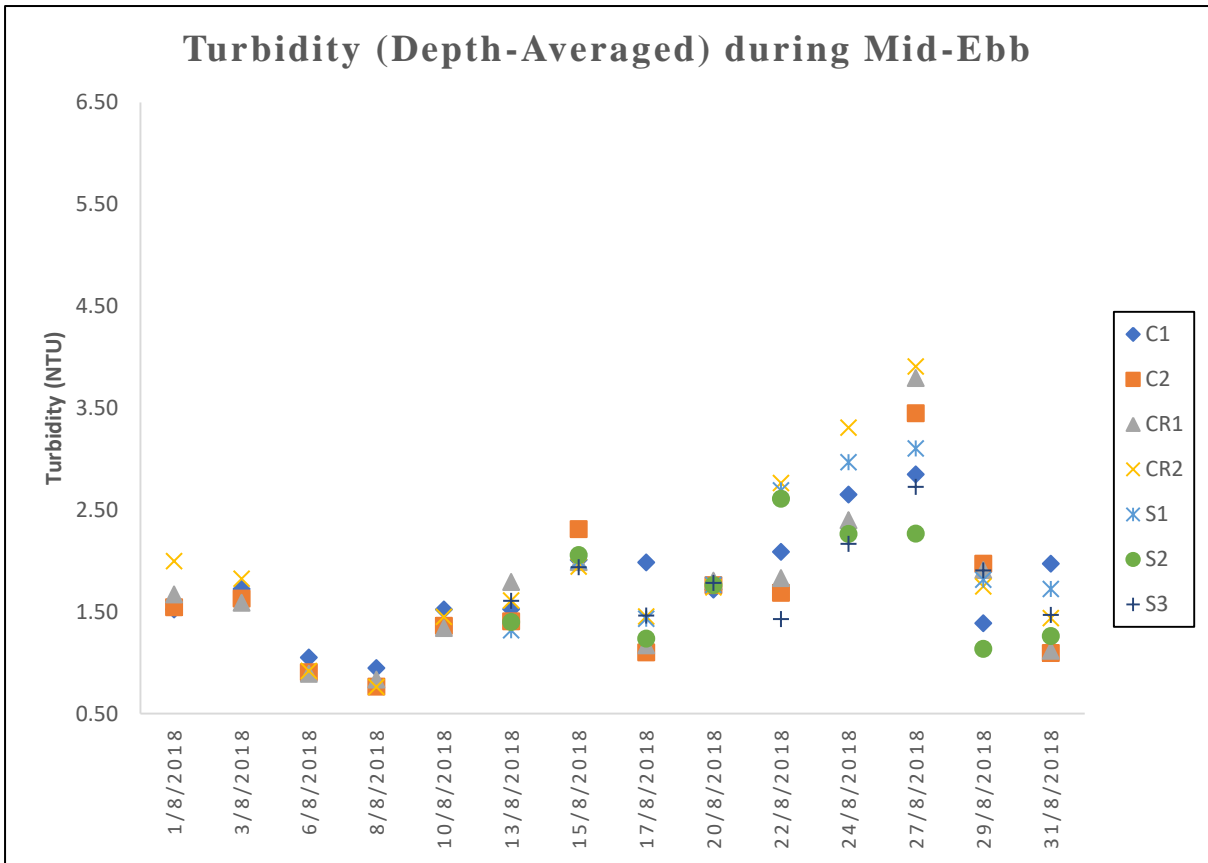
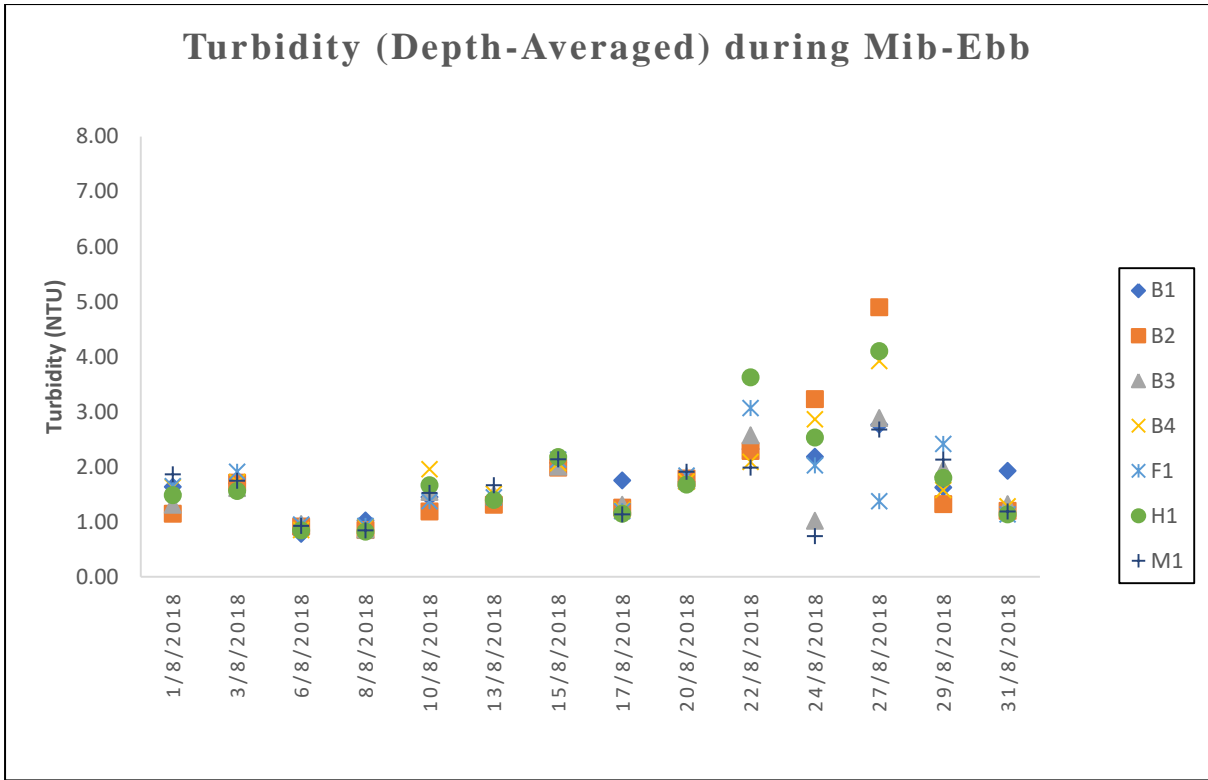
### pH (Depth-Averaged) during Mid-Flood



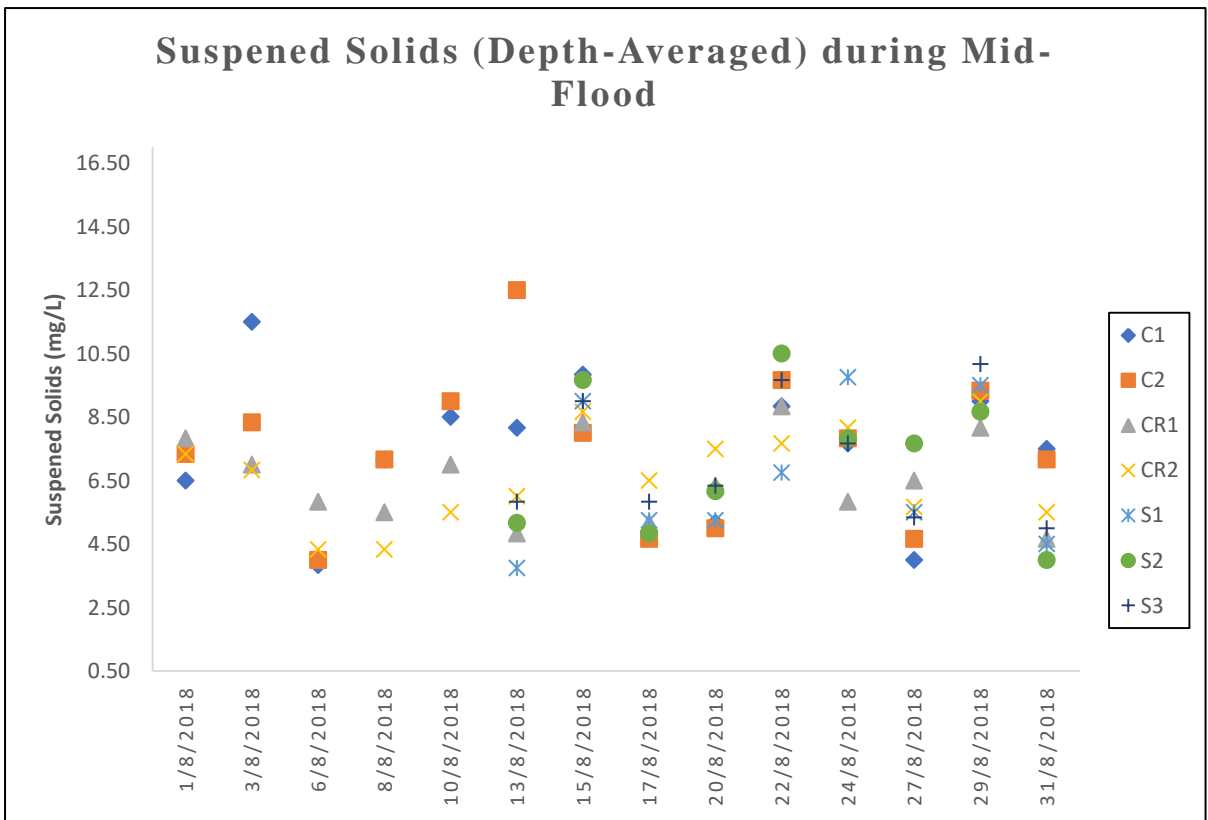
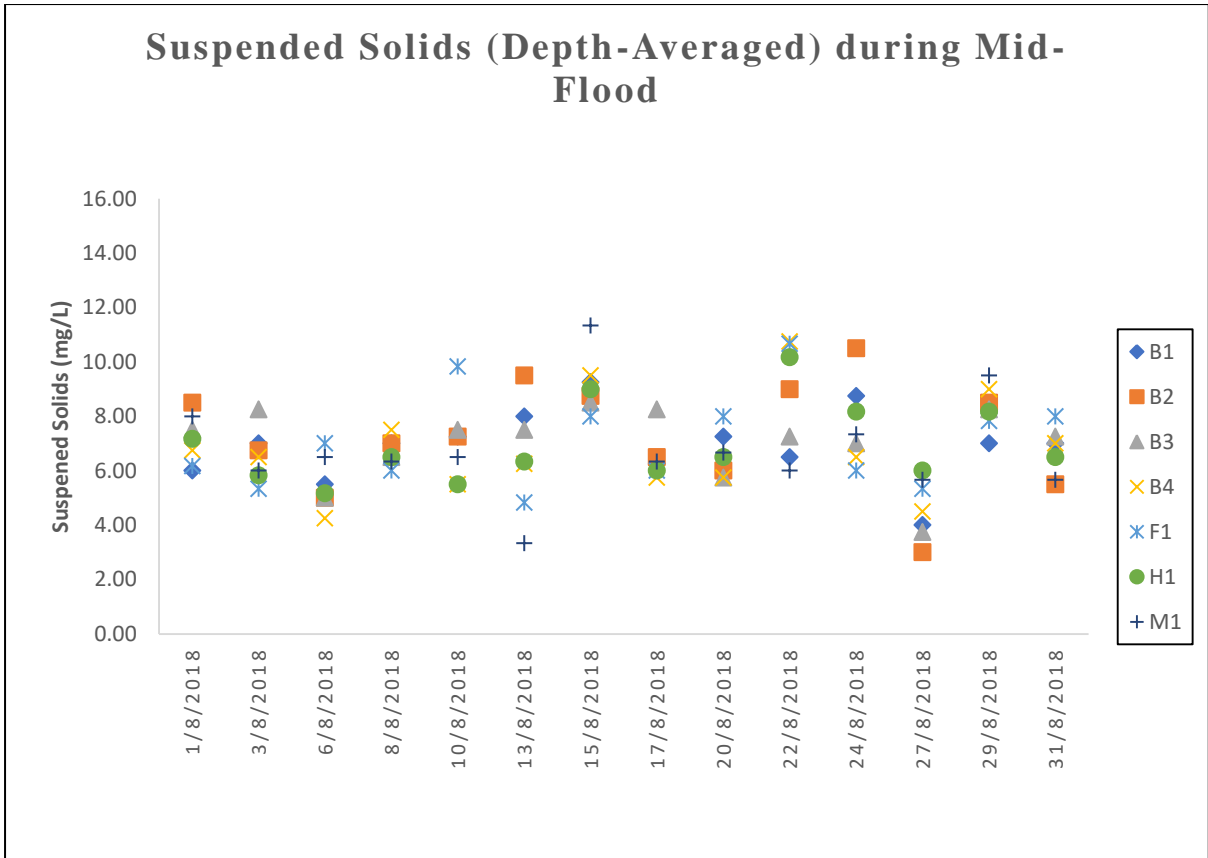




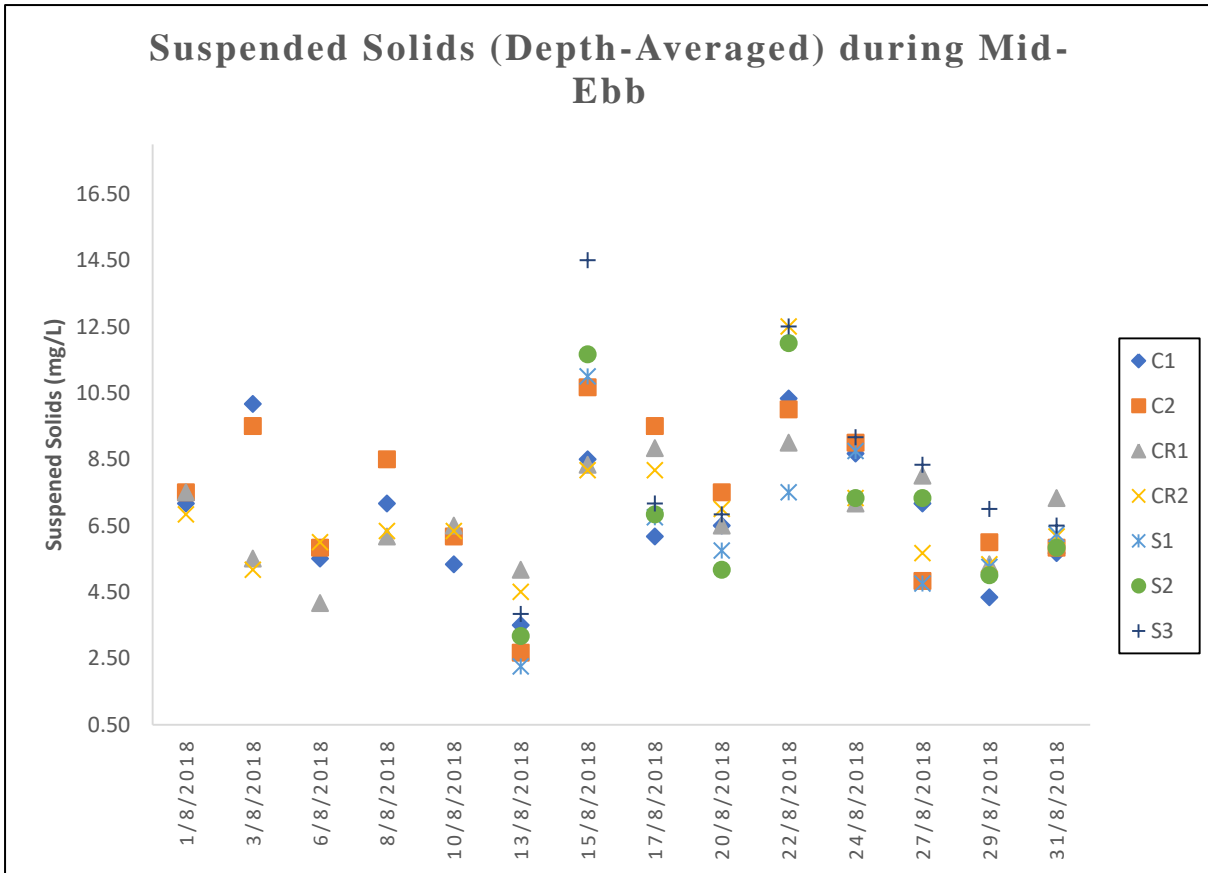
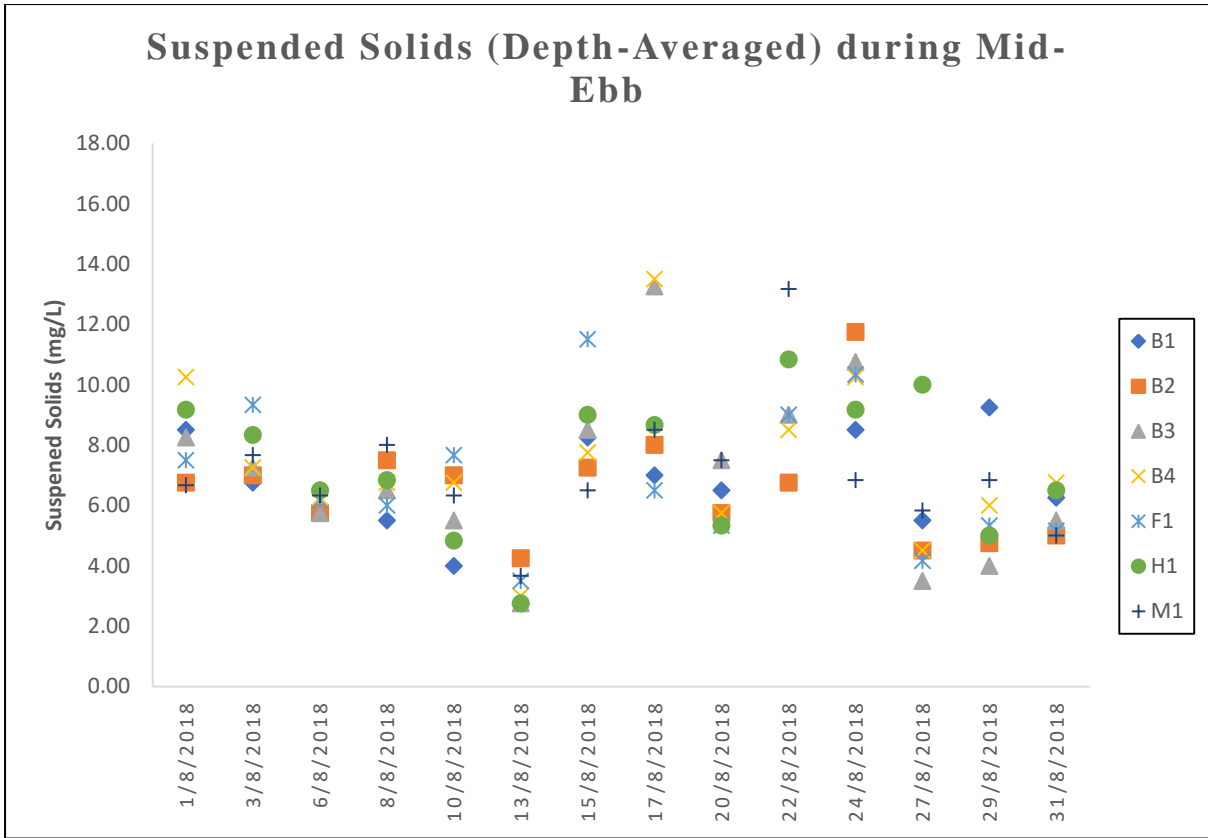
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** of the monthly EM & A report.



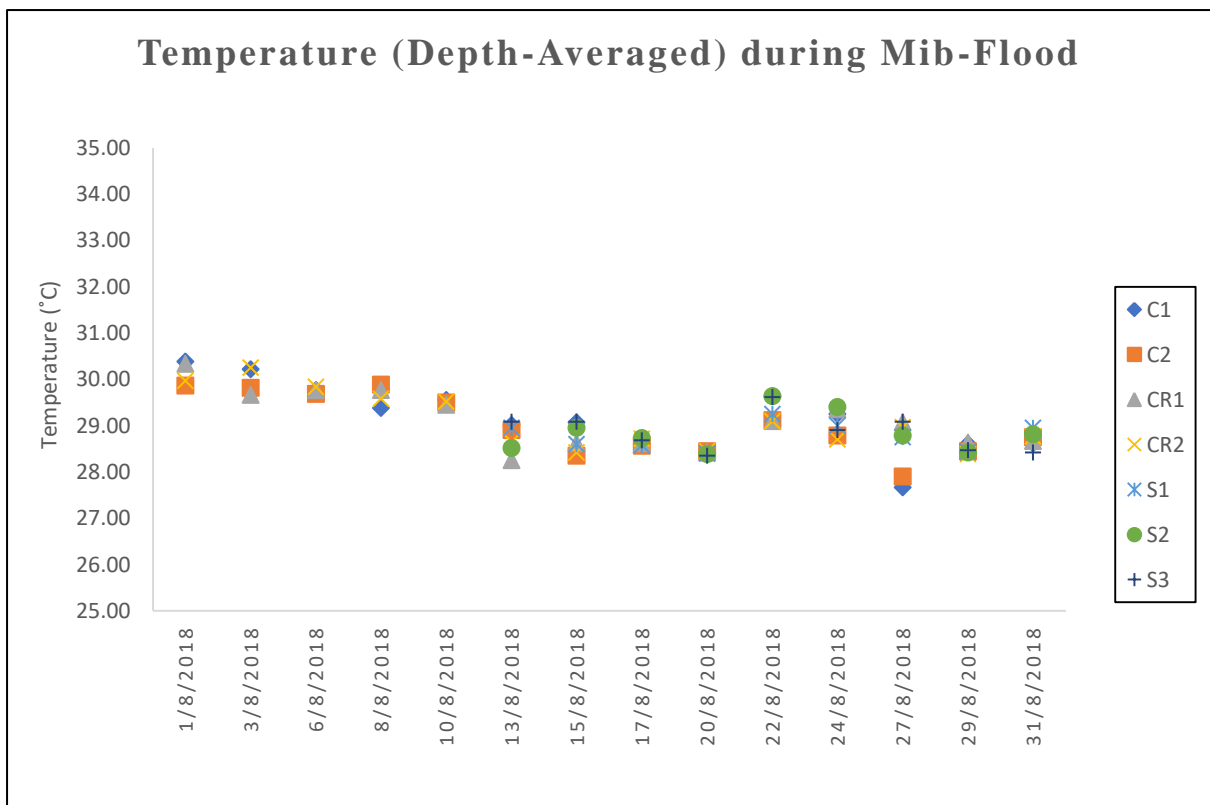
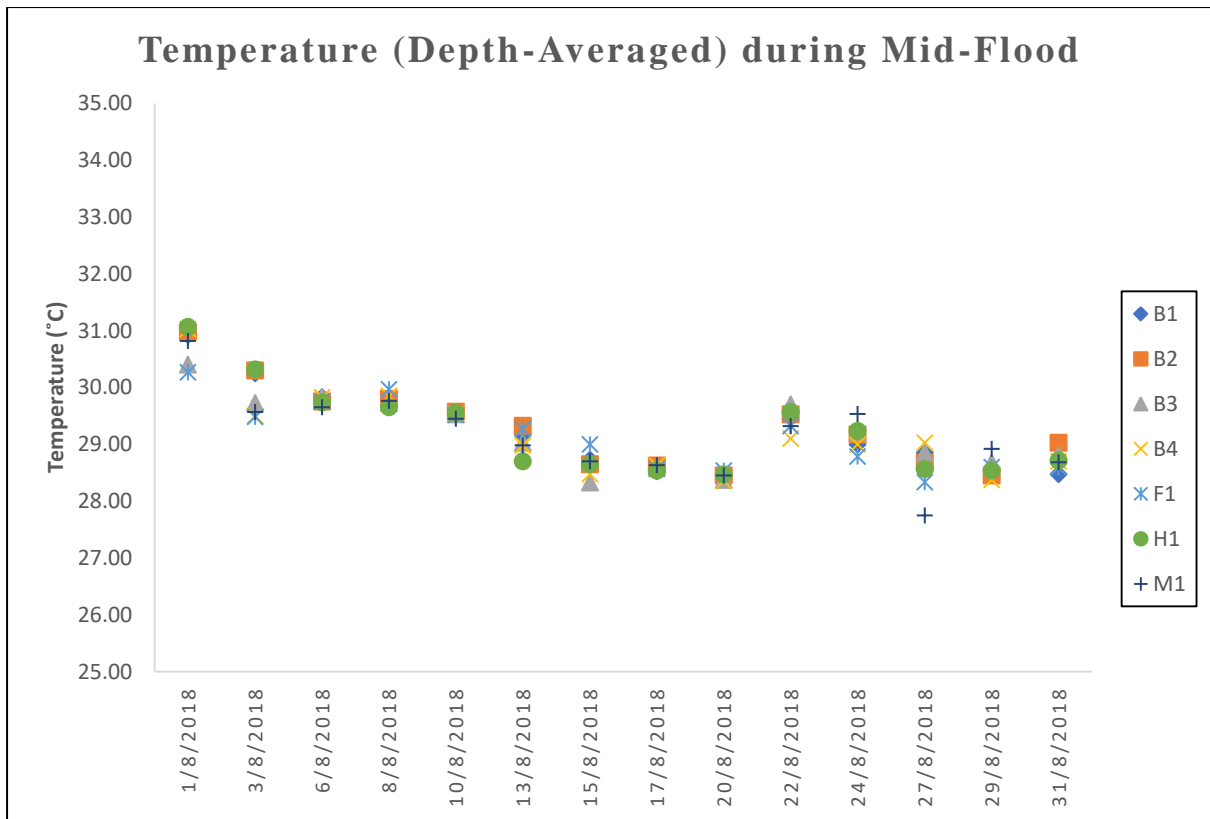
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** of the monthly EM & A report.



Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7** of the monthly EM & A report.

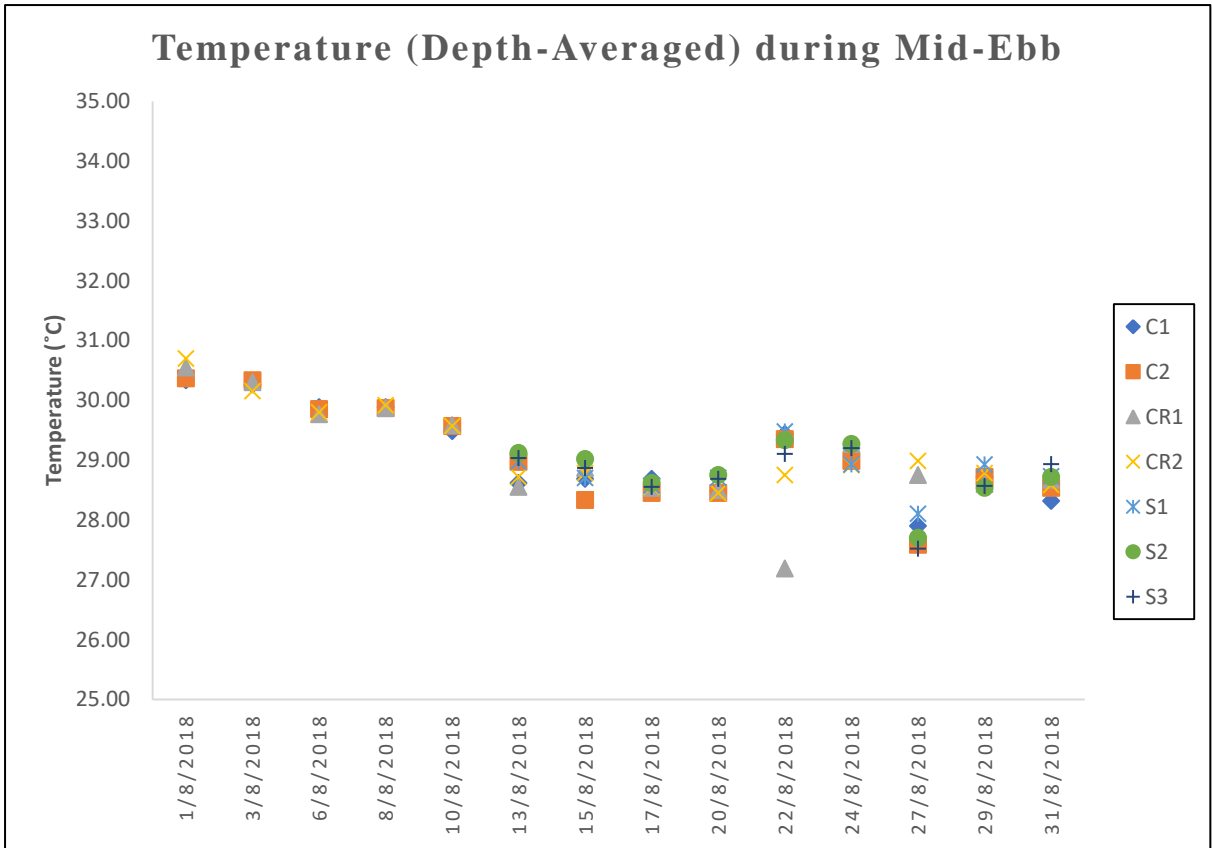
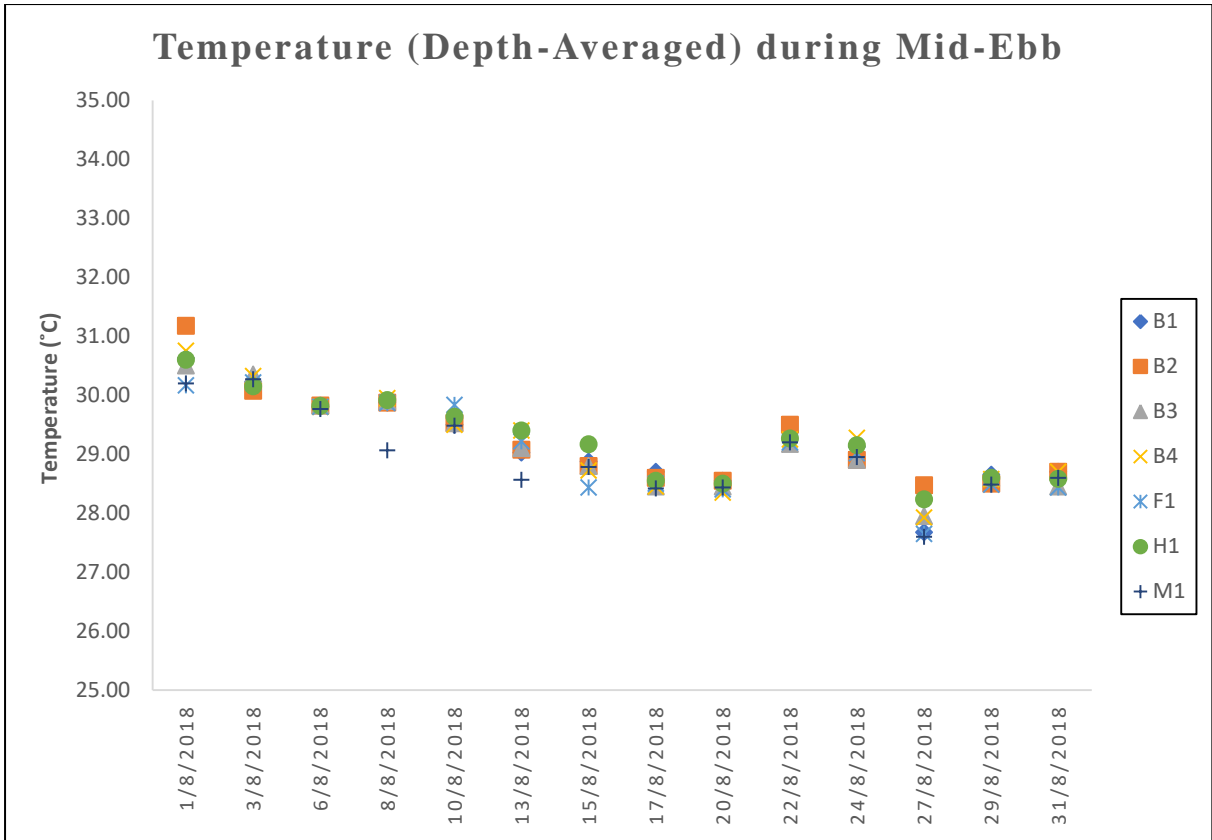


Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7** of the monthly EM & A report.



Note: The Action and Limit Level of temperature can be referred to **Table 2.7** of the monthly EM & A report.

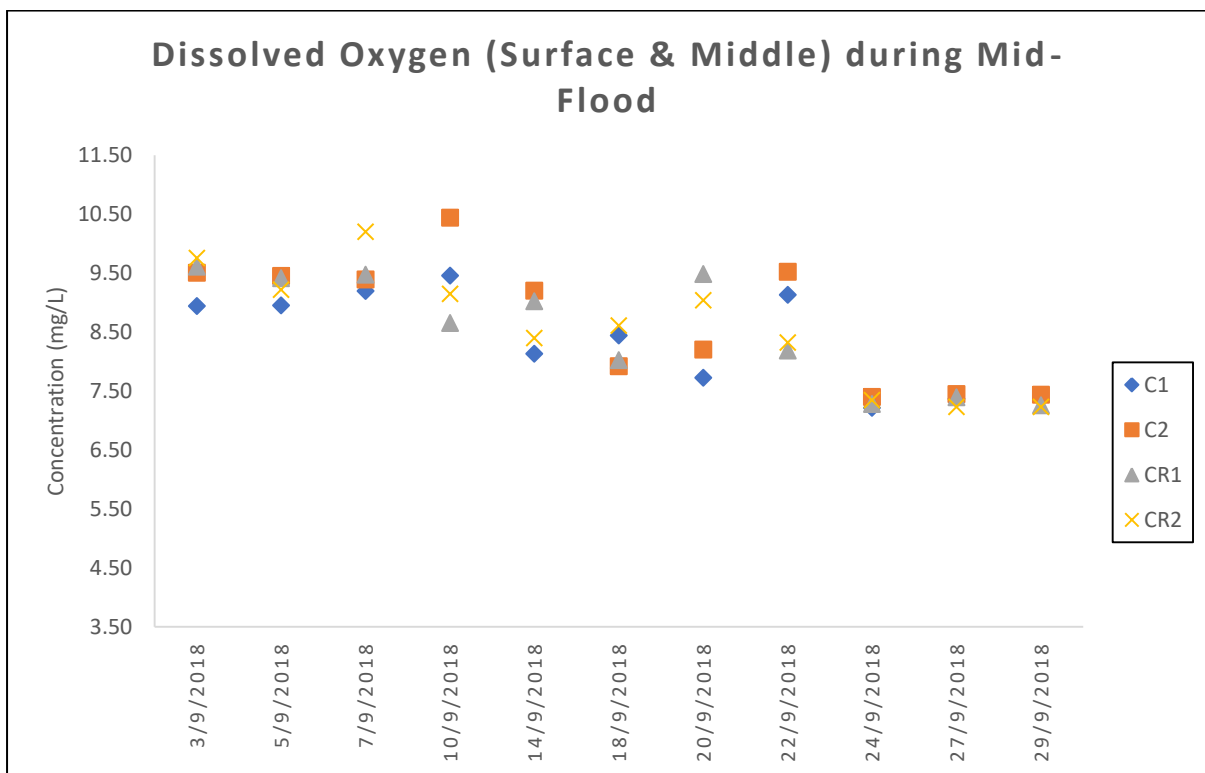
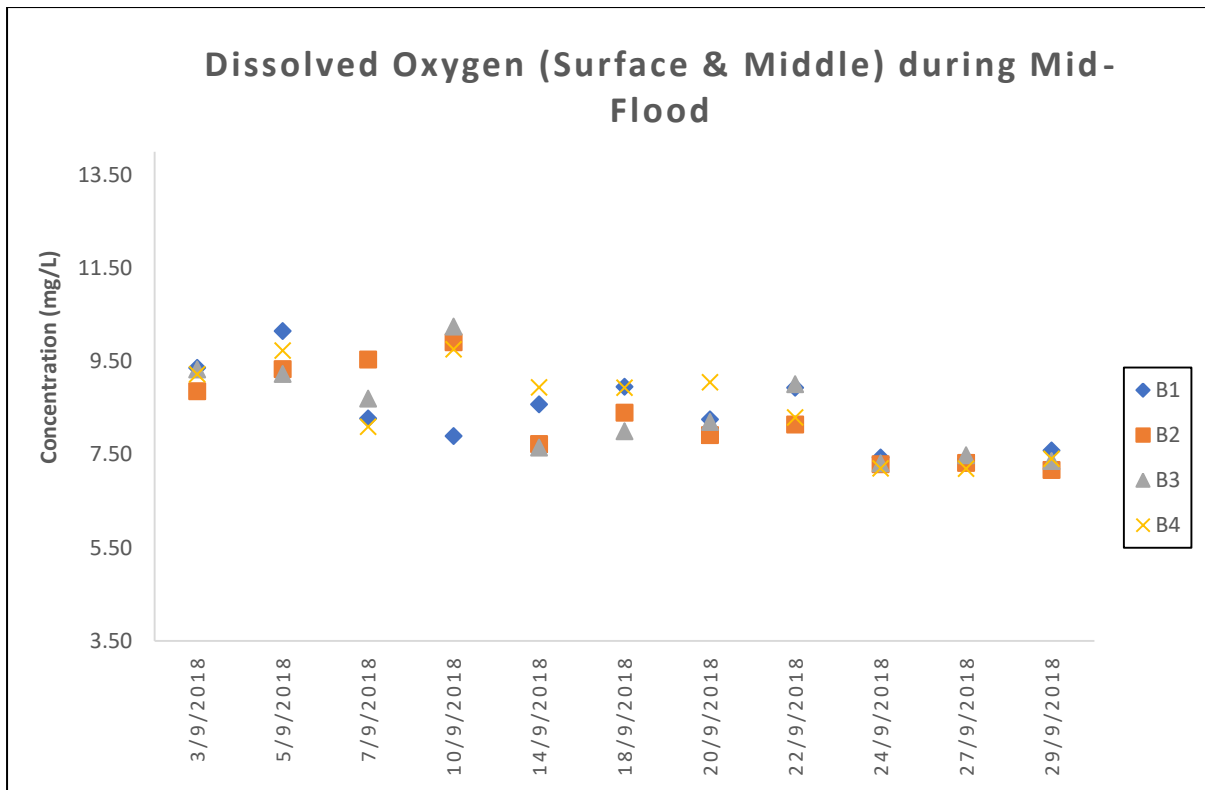




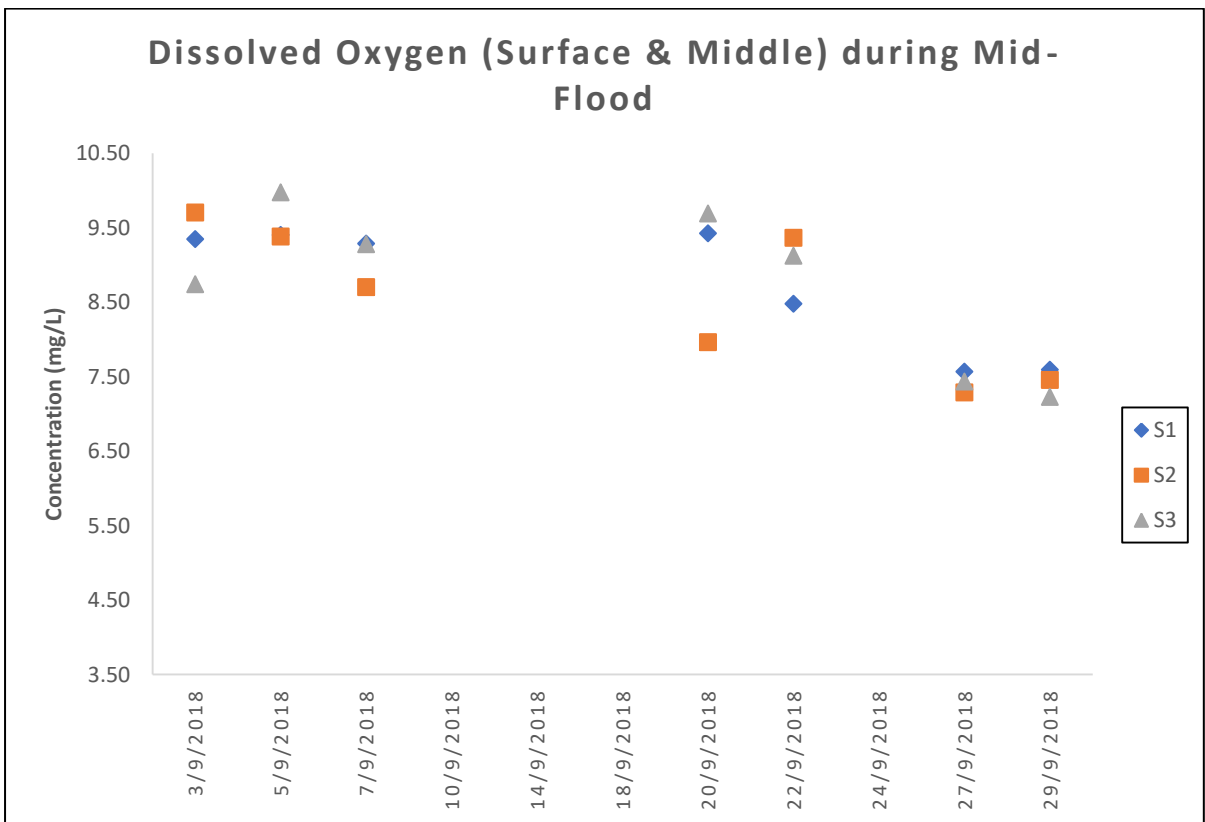
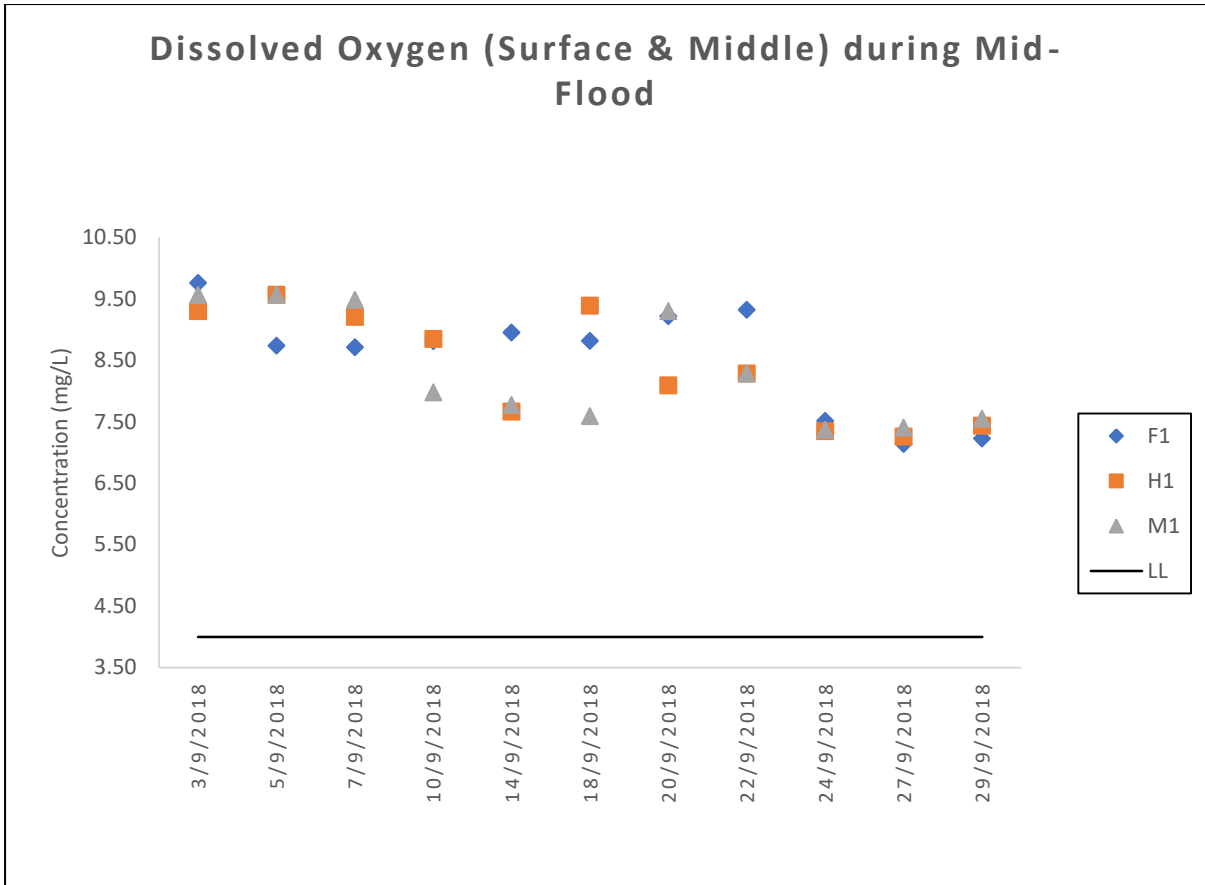
Note: The Action and Limit Level of temperature can be referred to **Table 2.7** of the monthly EM & A report.



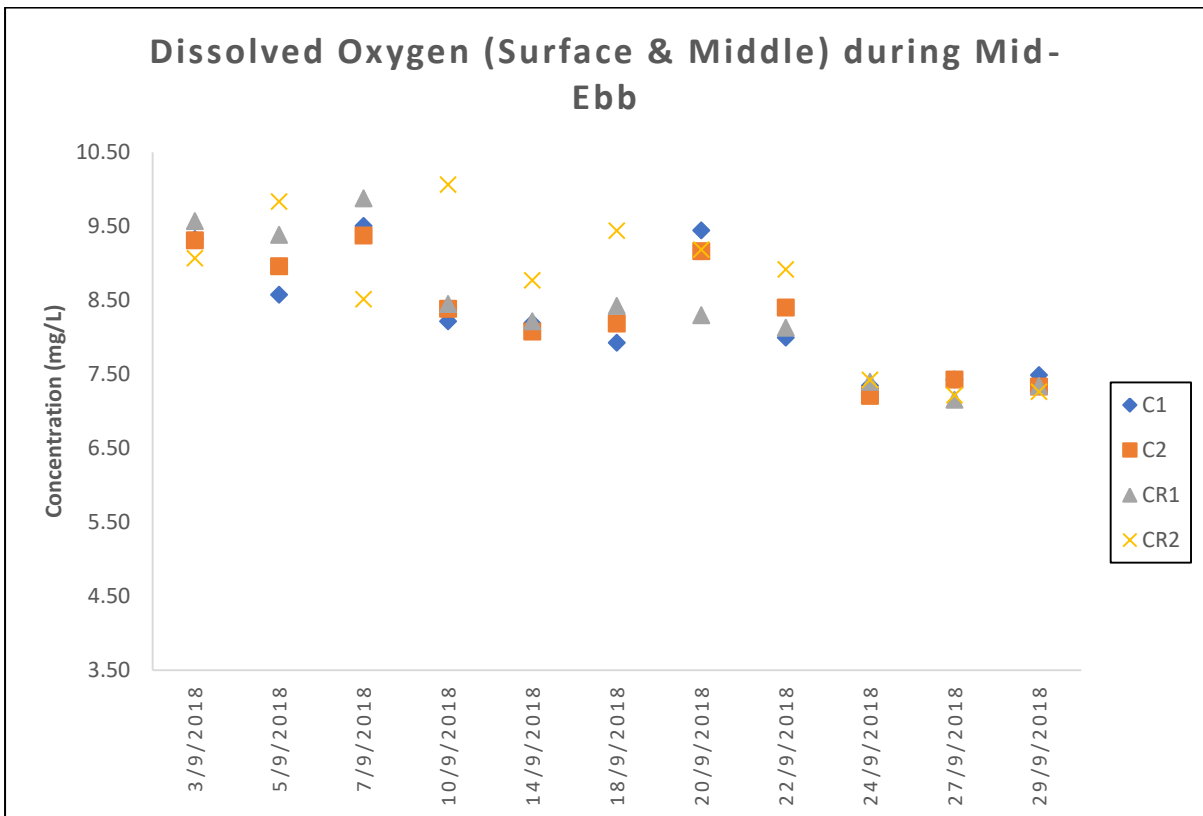
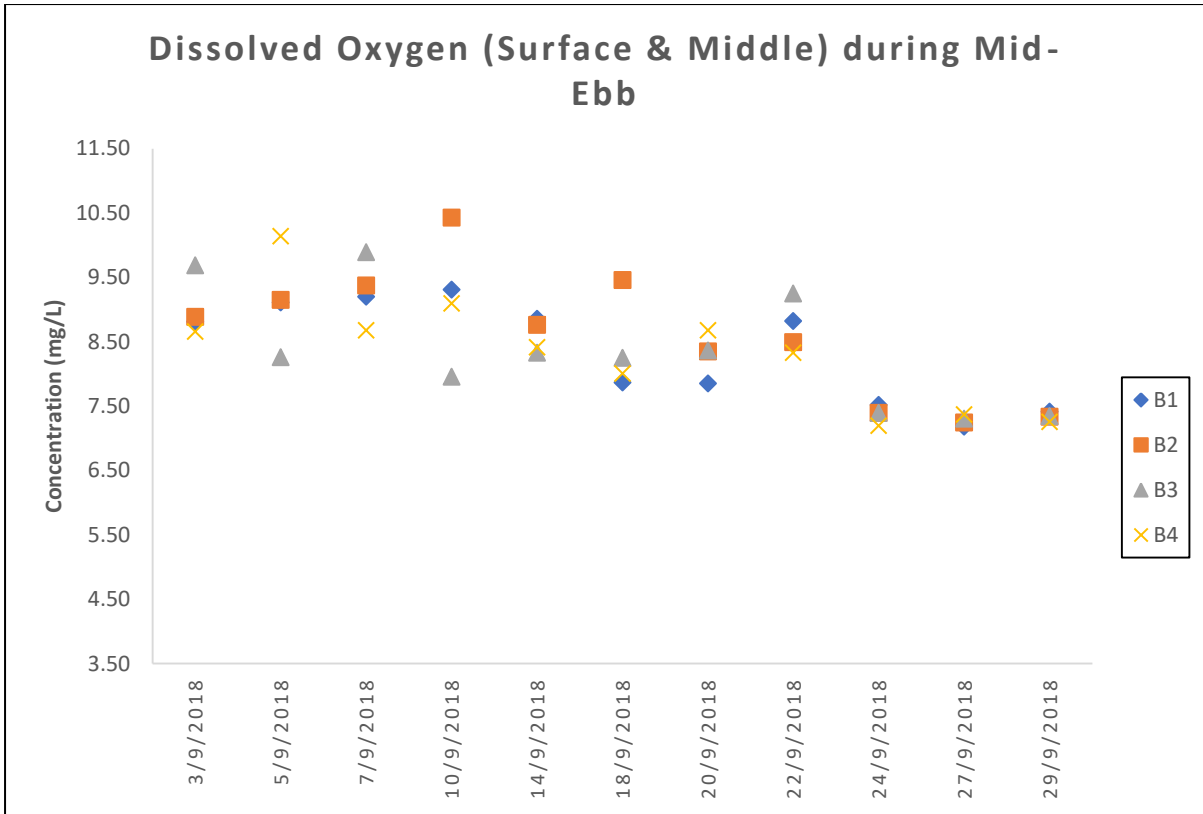




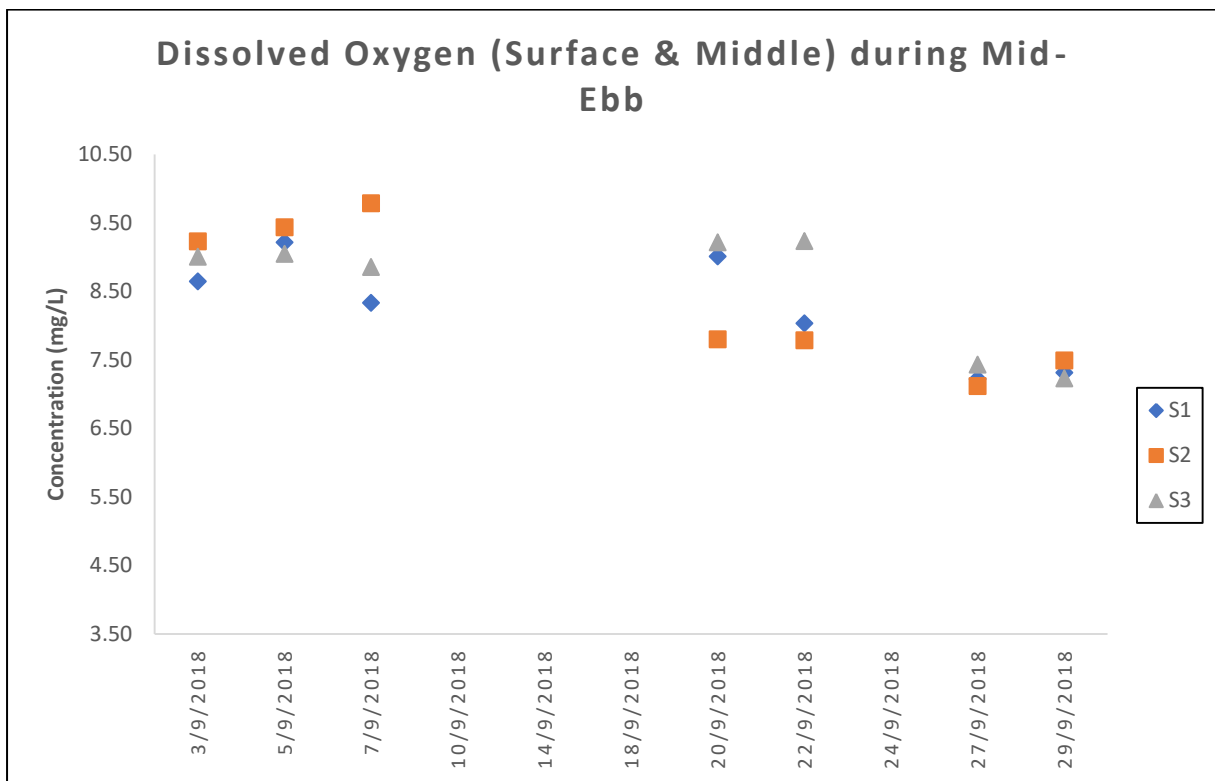
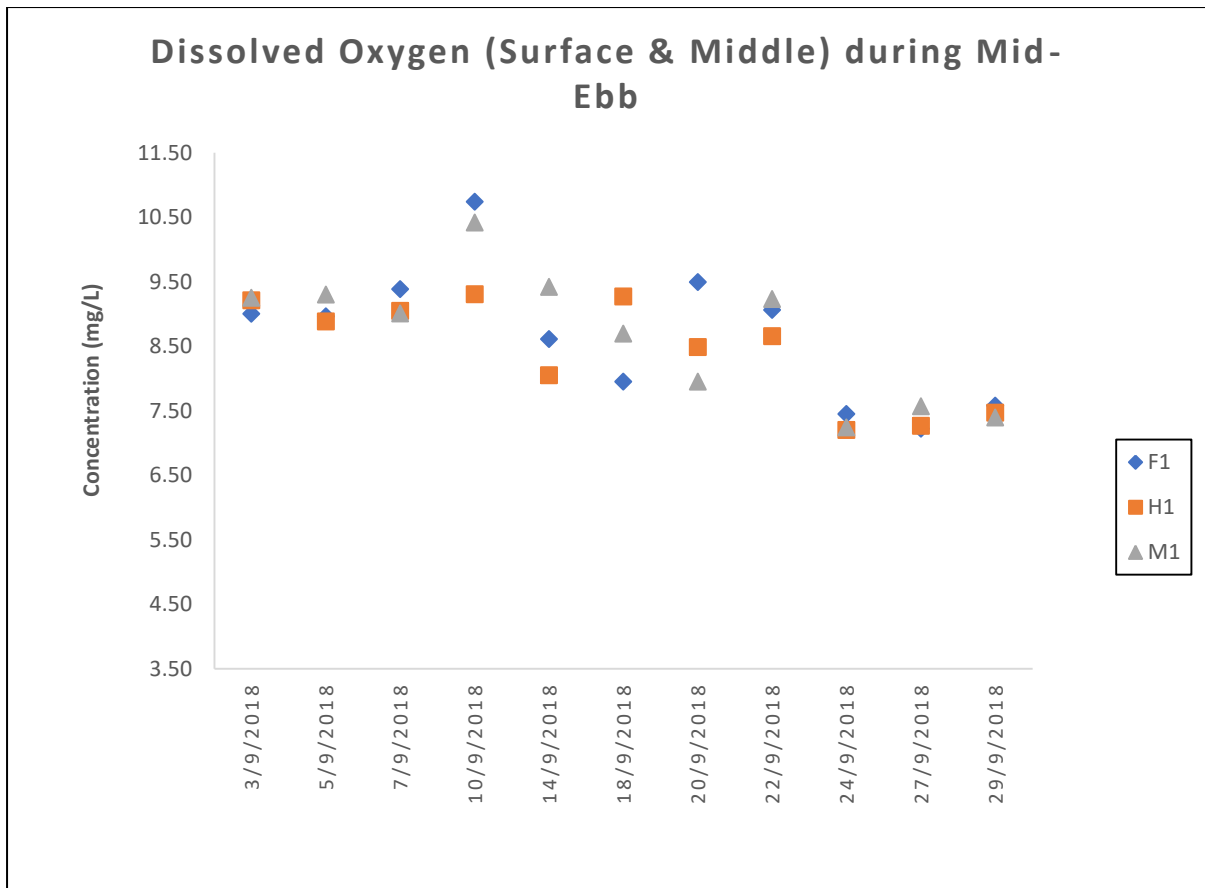
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



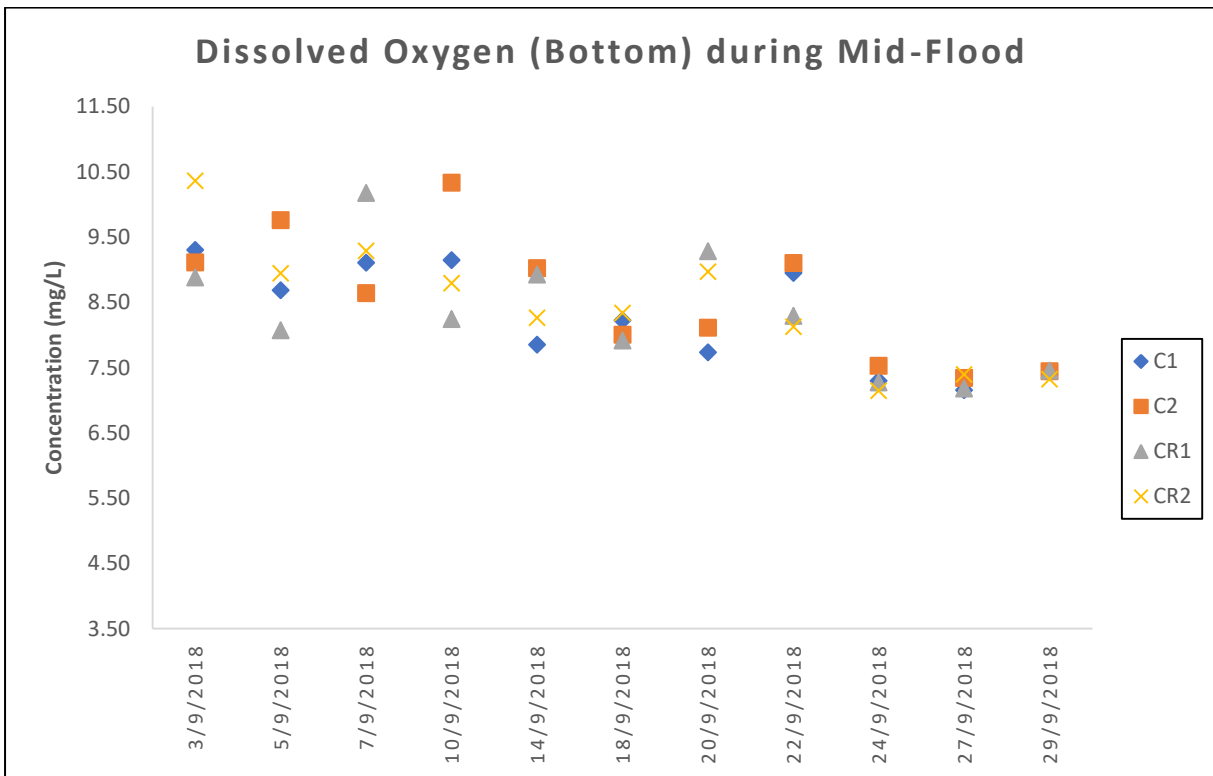
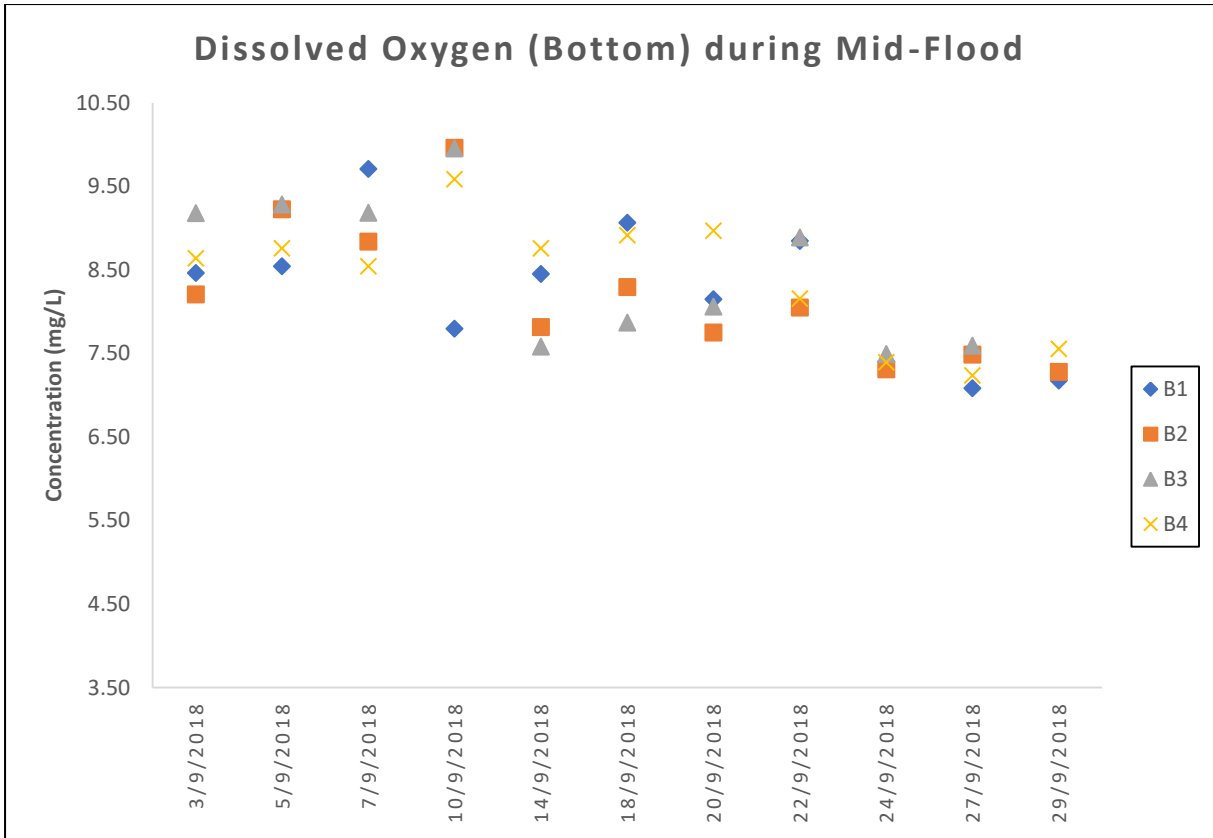
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

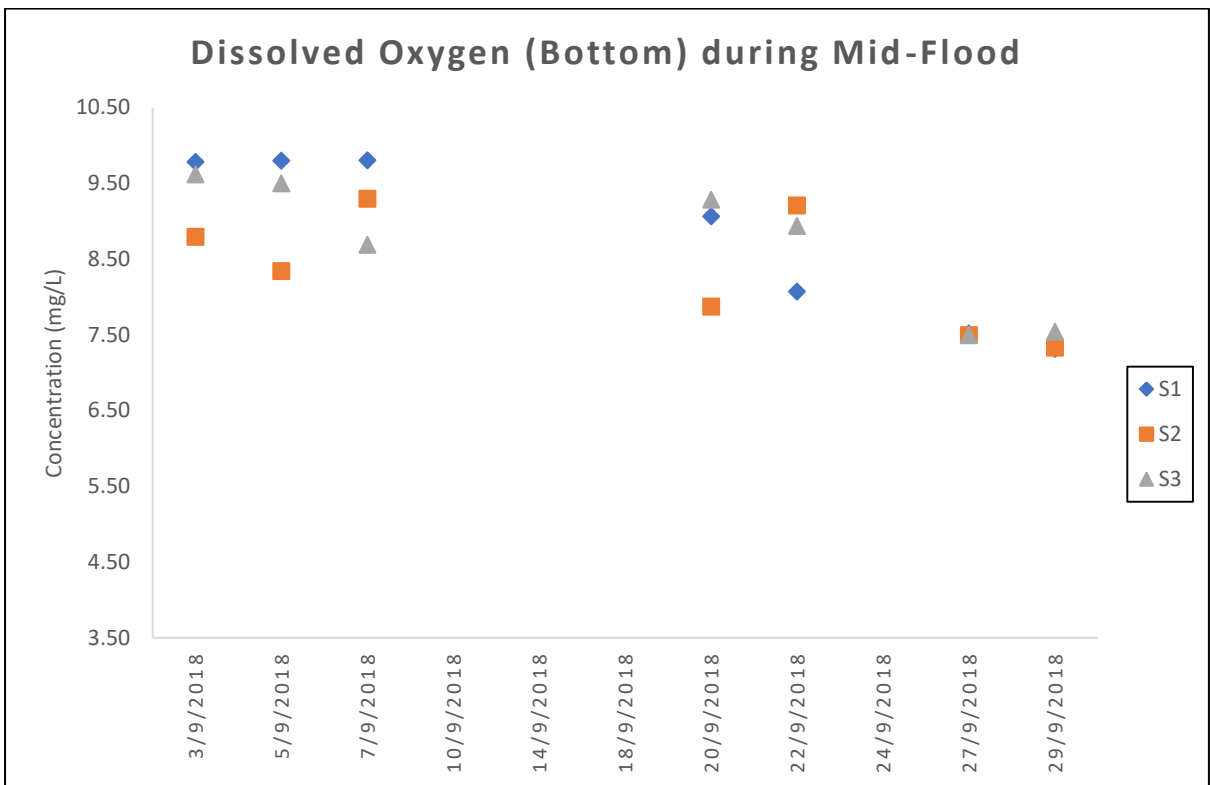
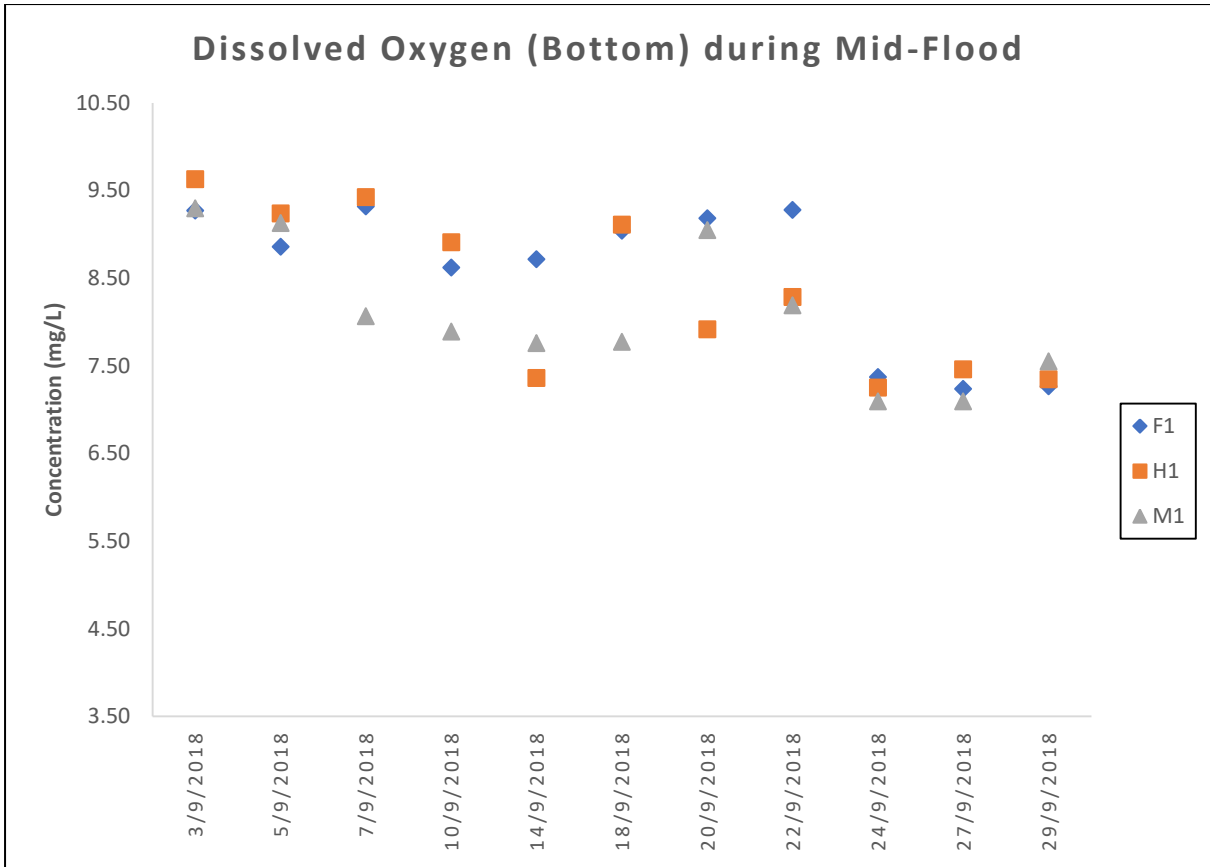


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

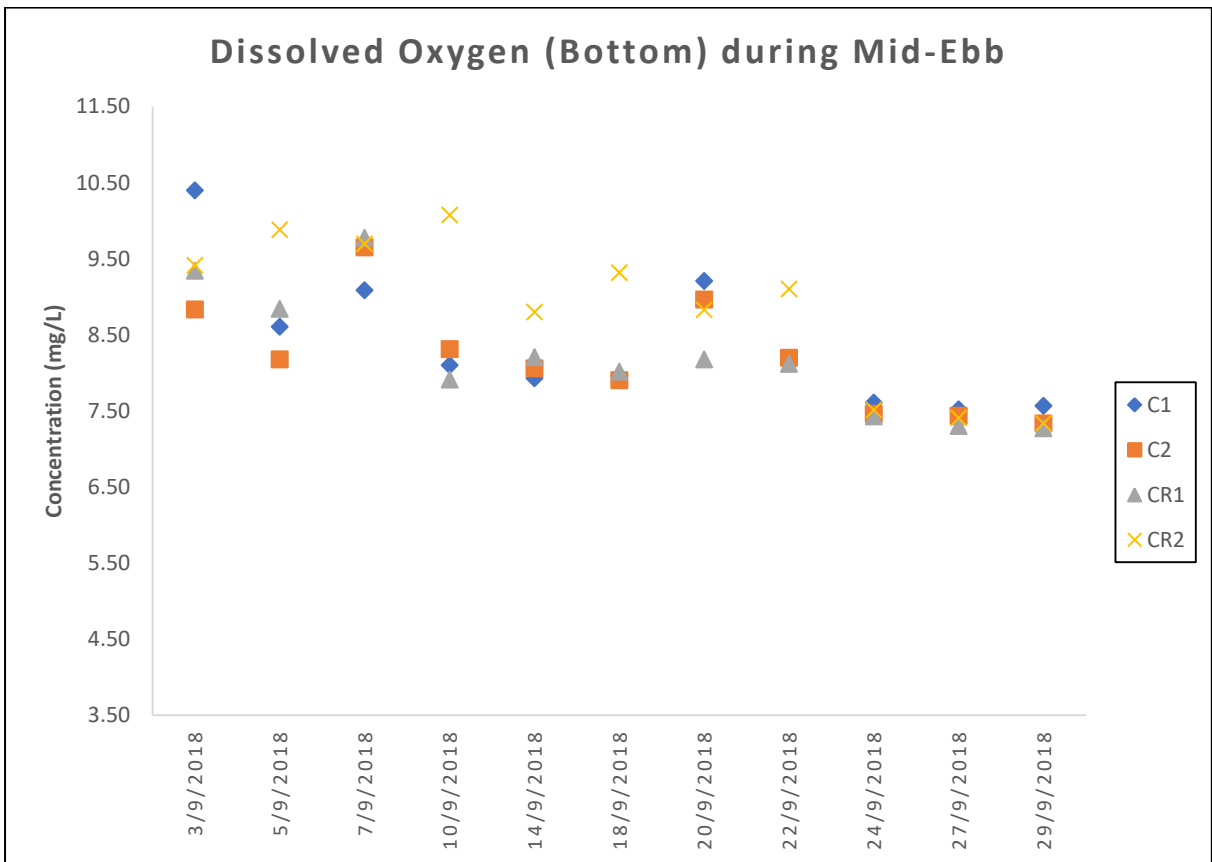
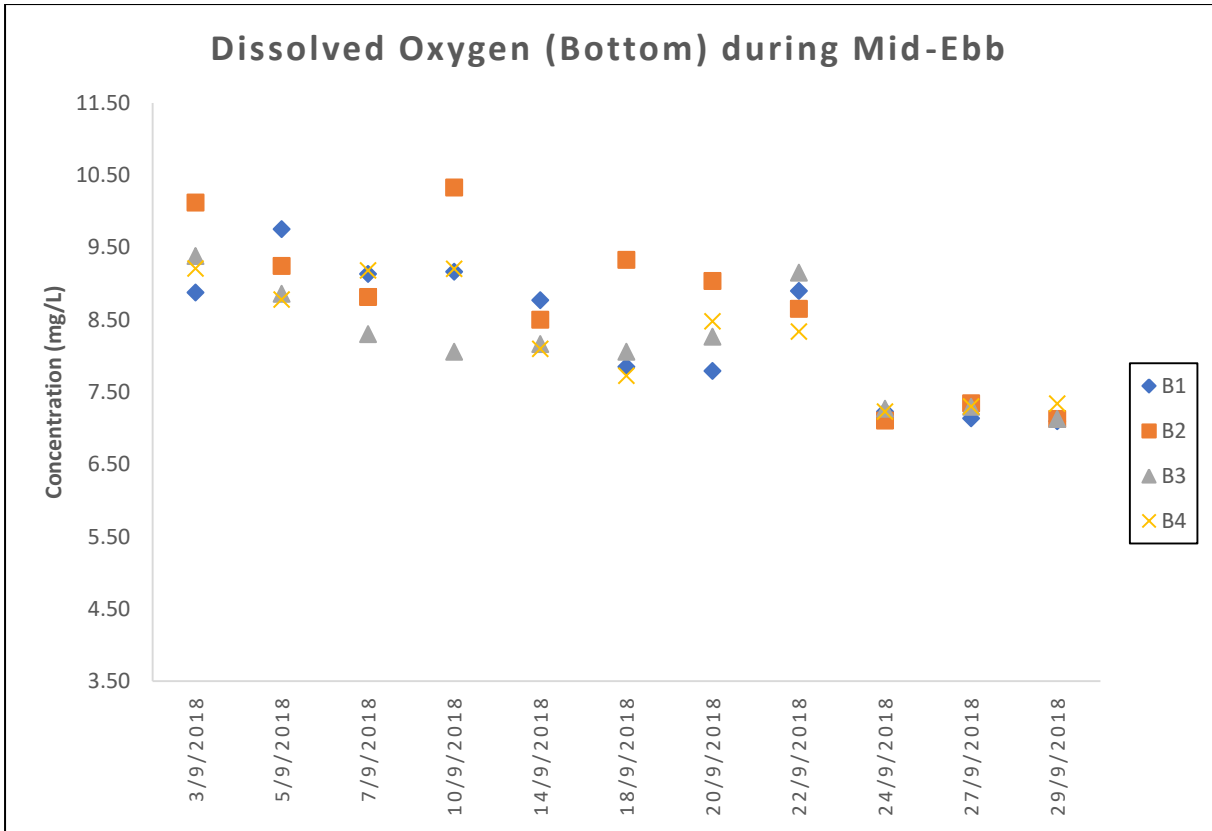


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

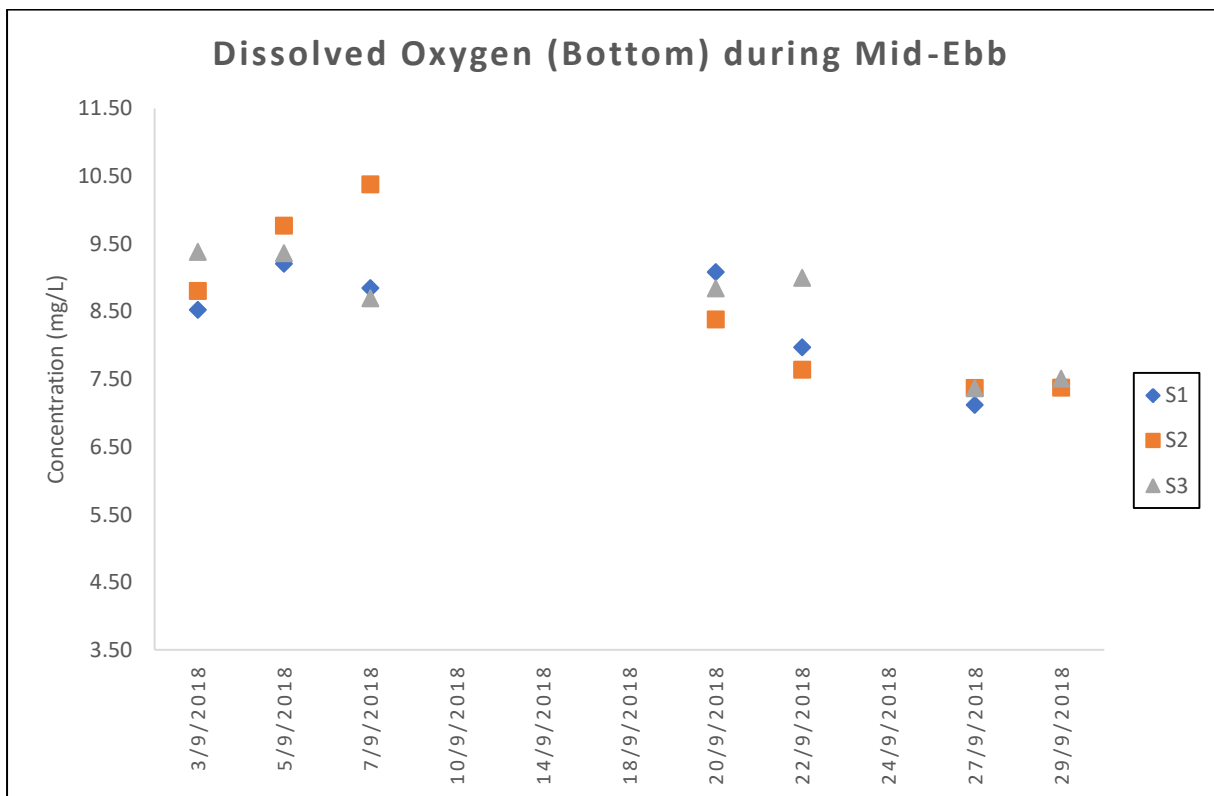
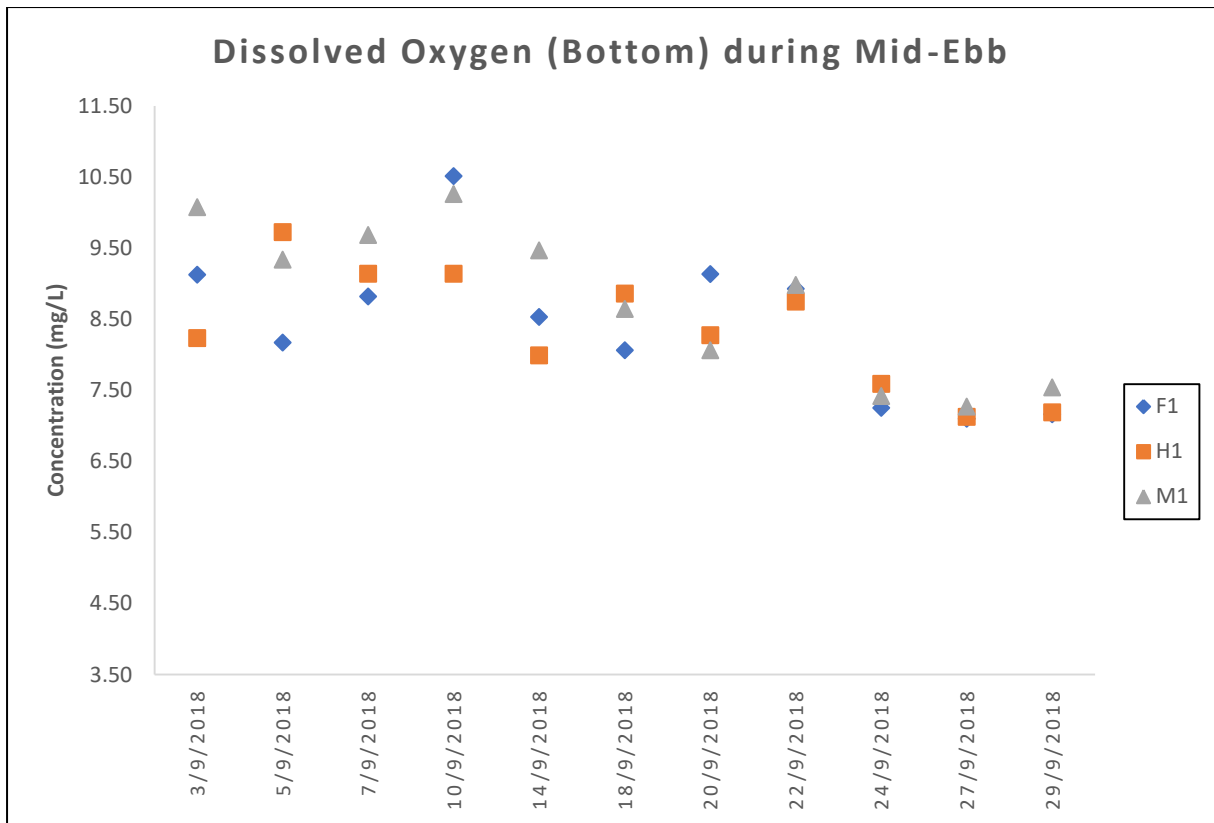




Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



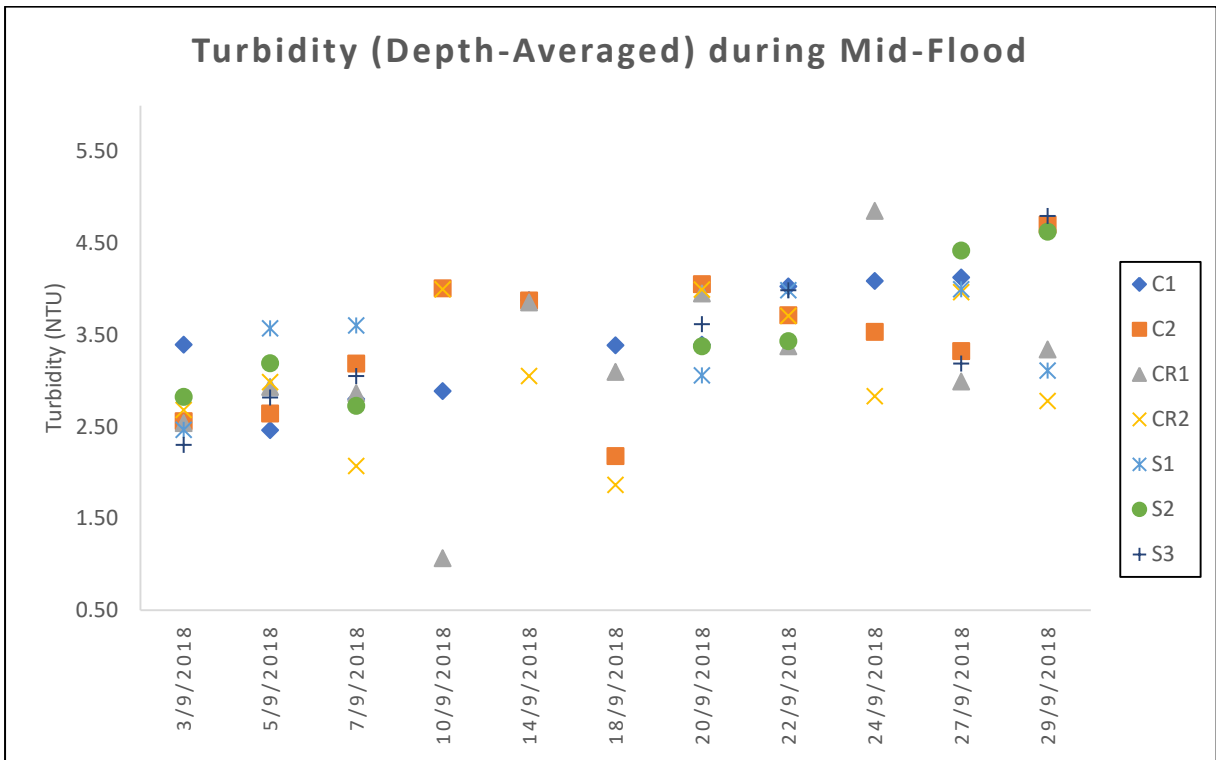
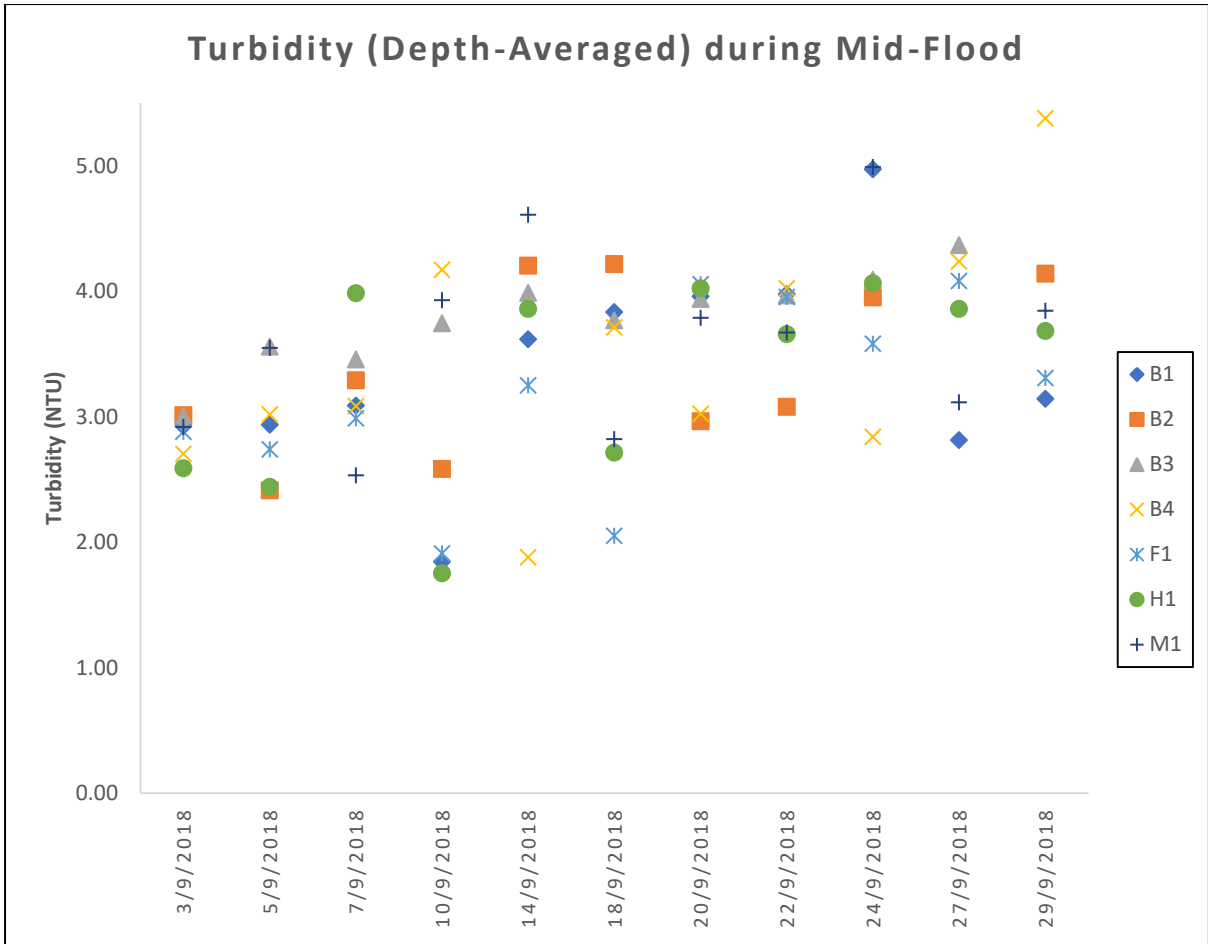
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



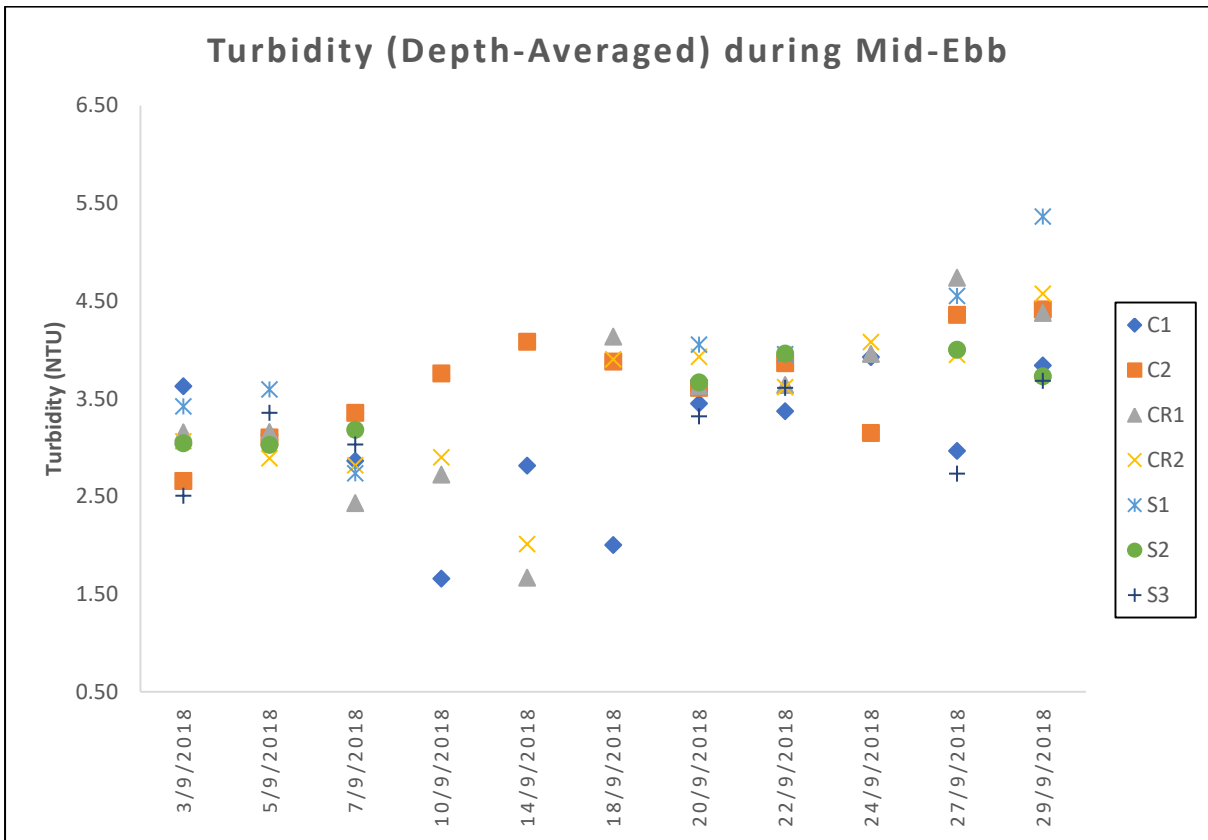
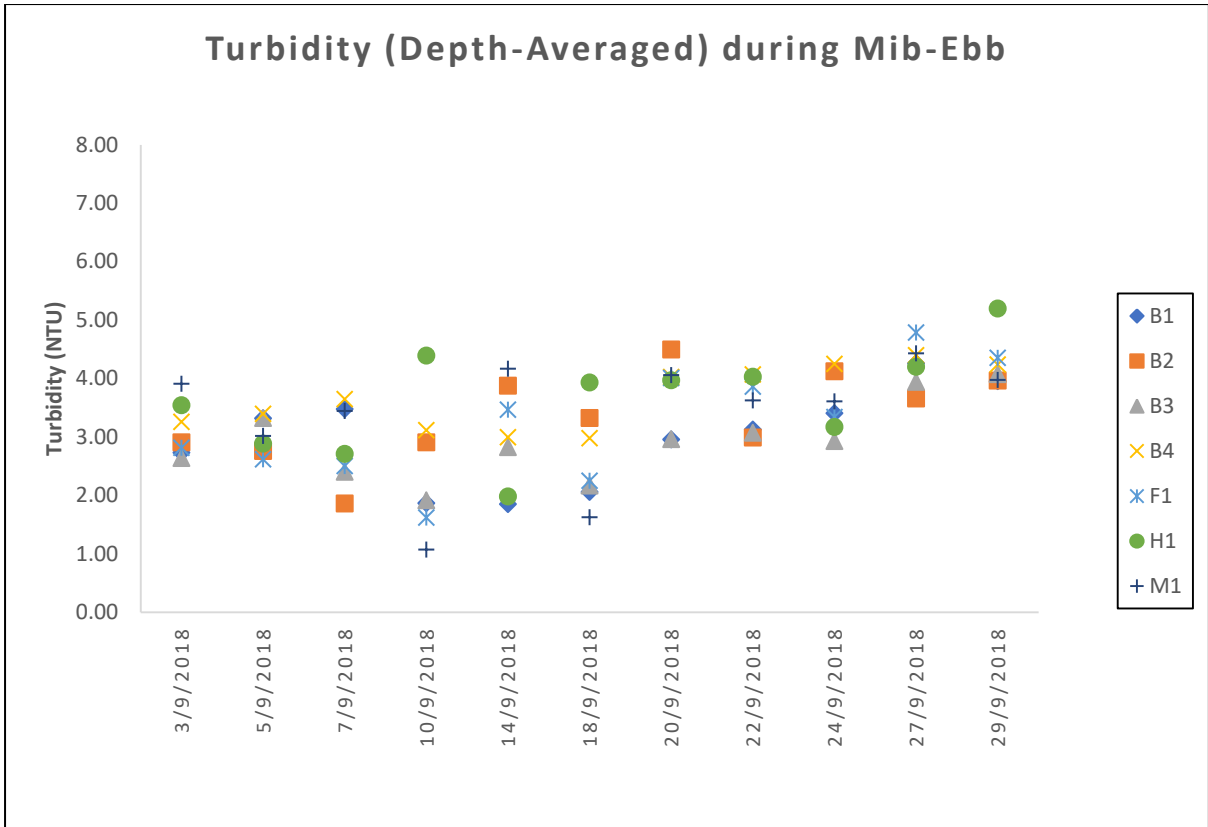
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



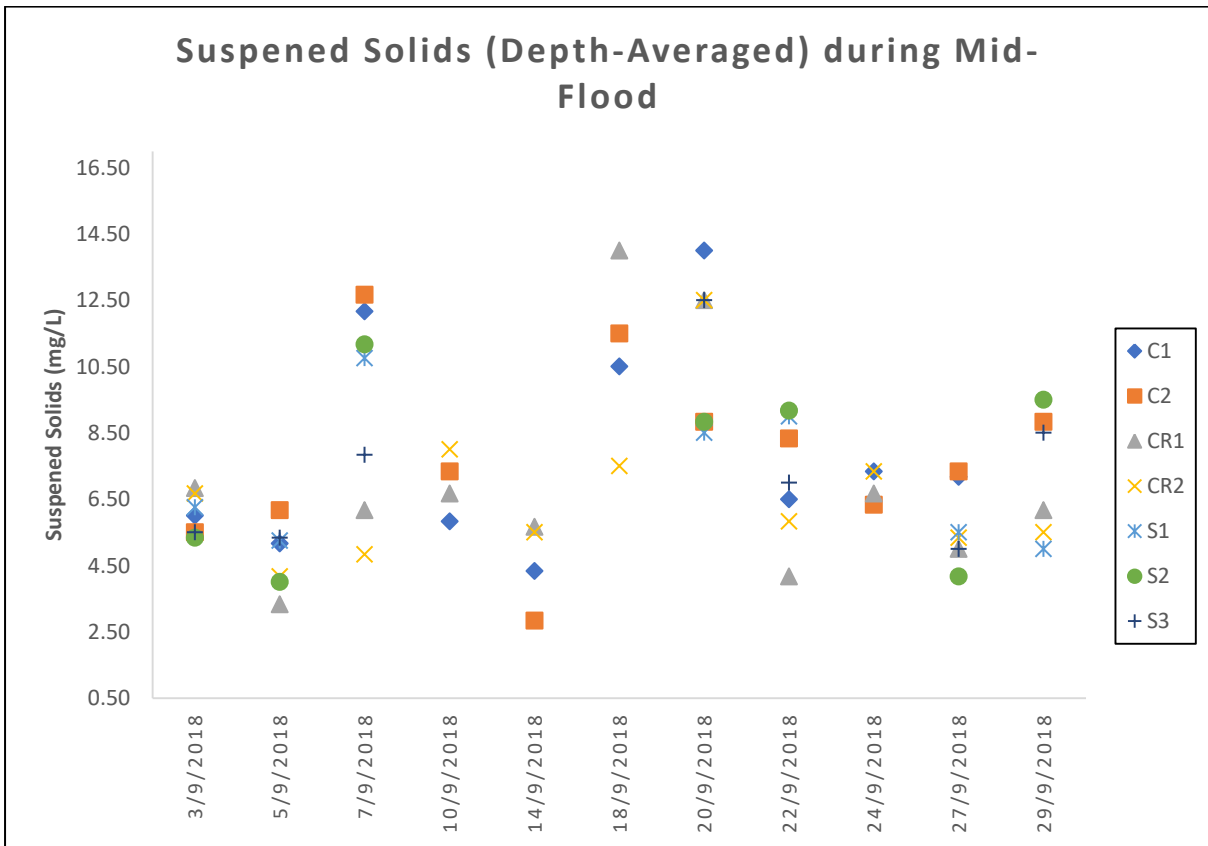
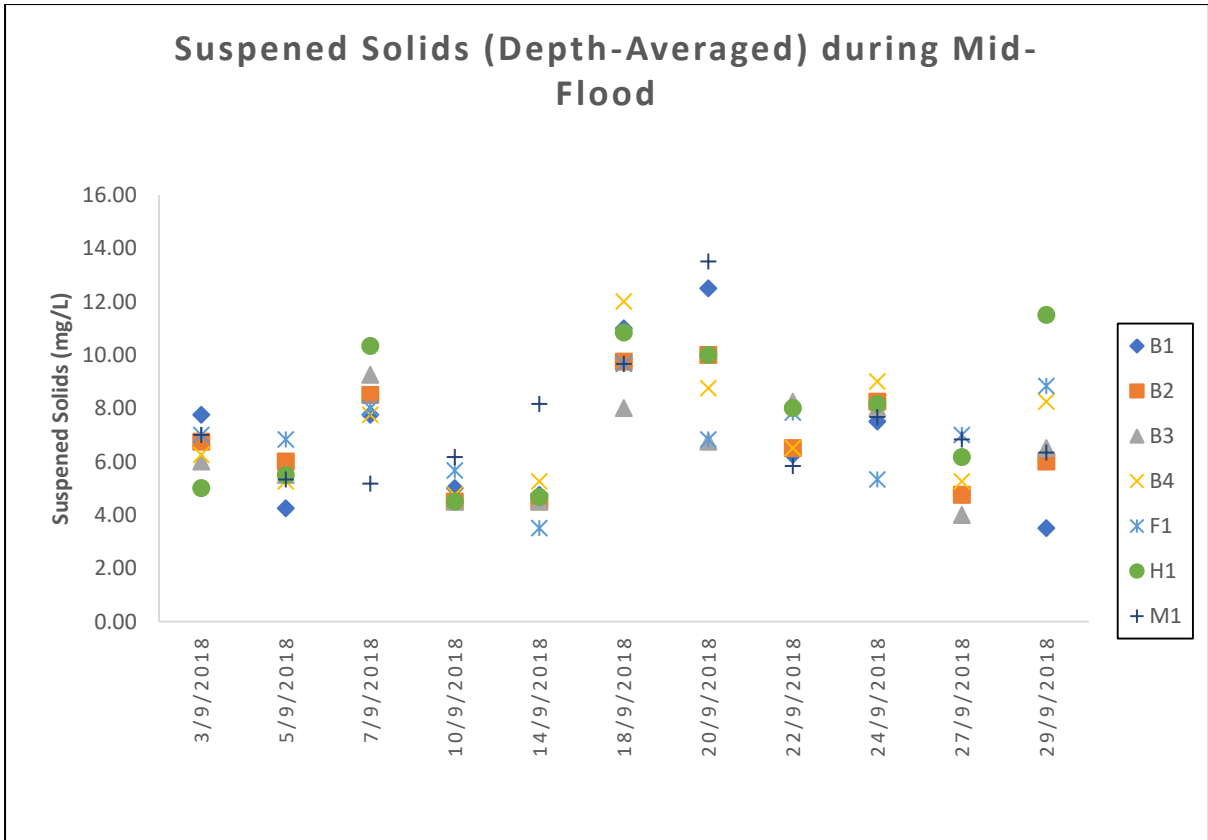




Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** of the monthly EM & A report.

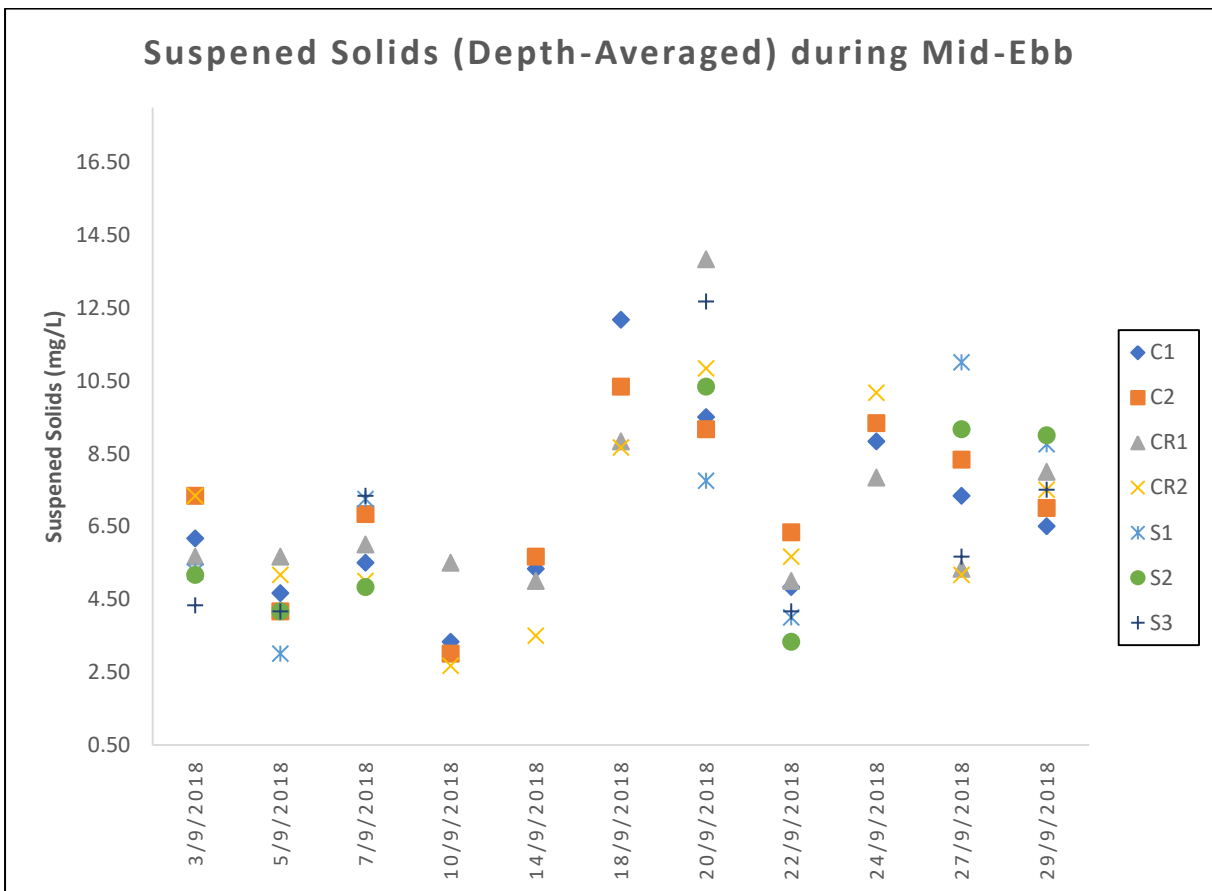
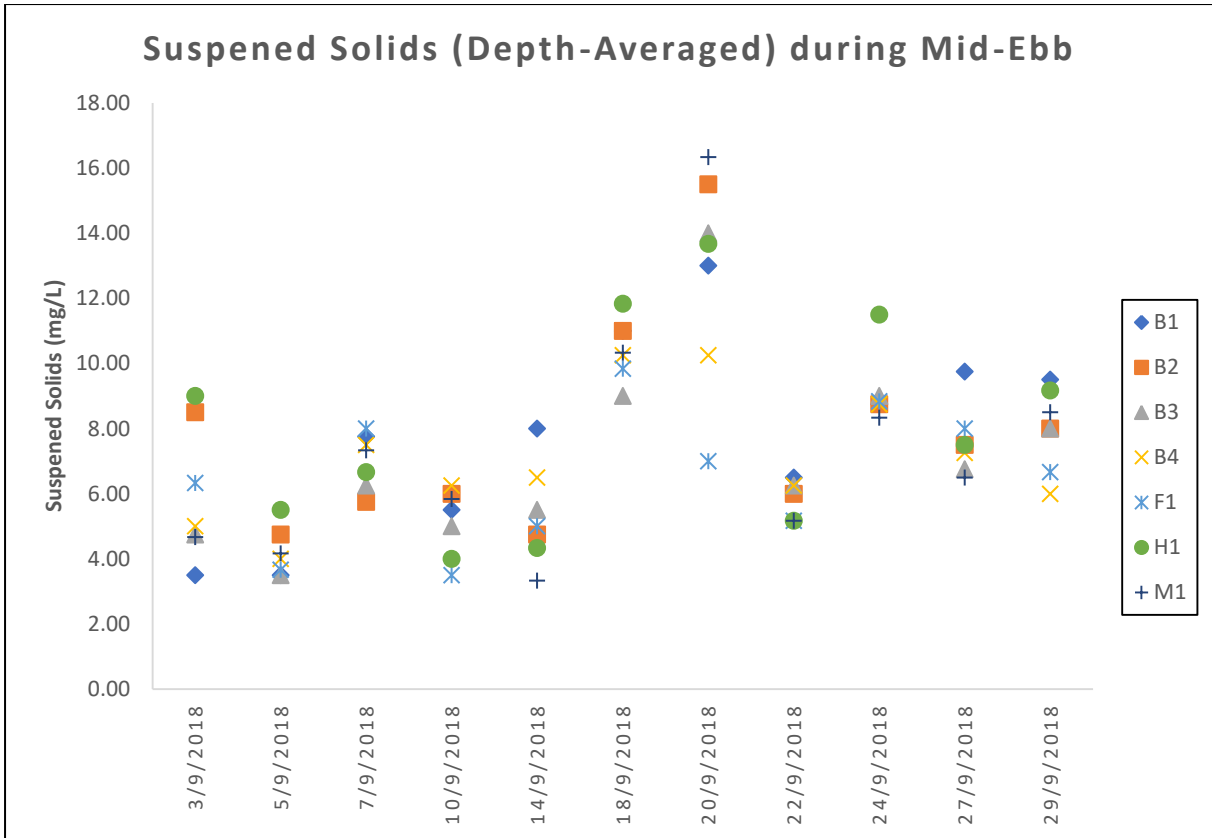


Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** of the monthly EM & A report.

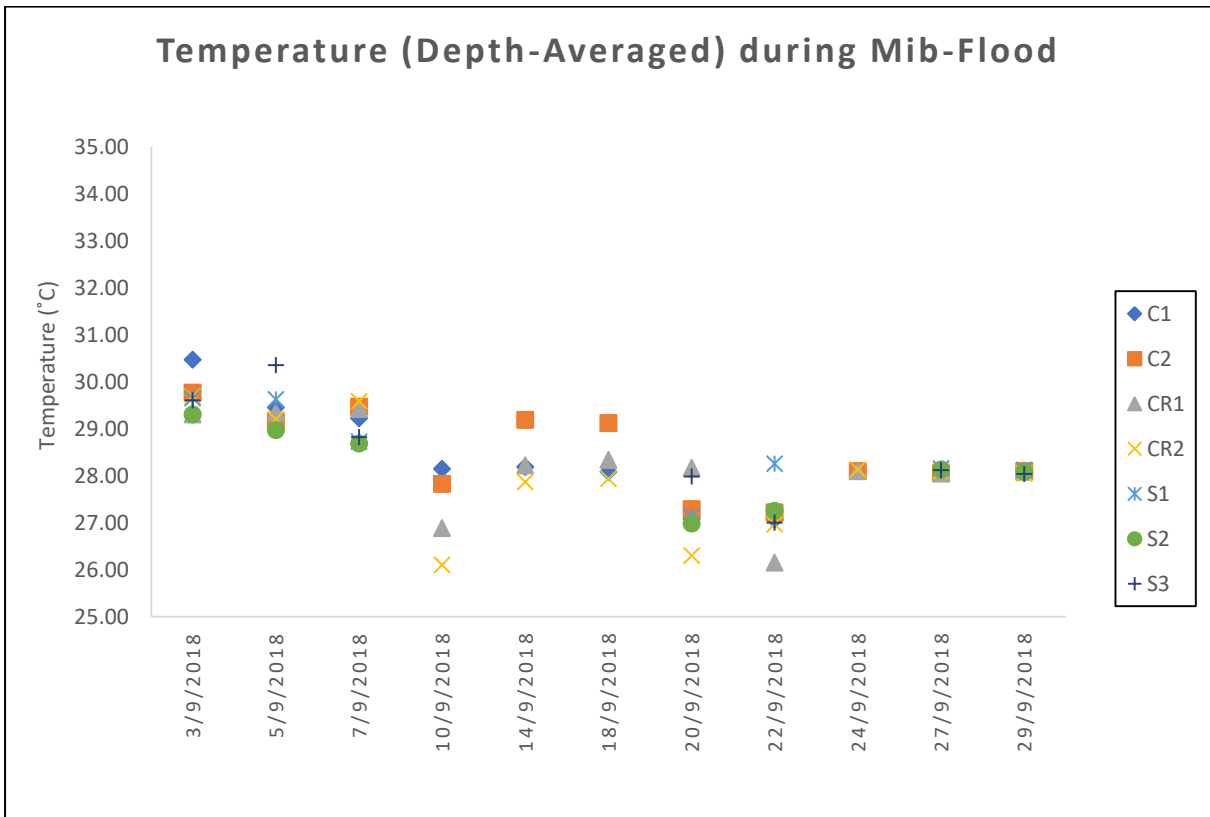
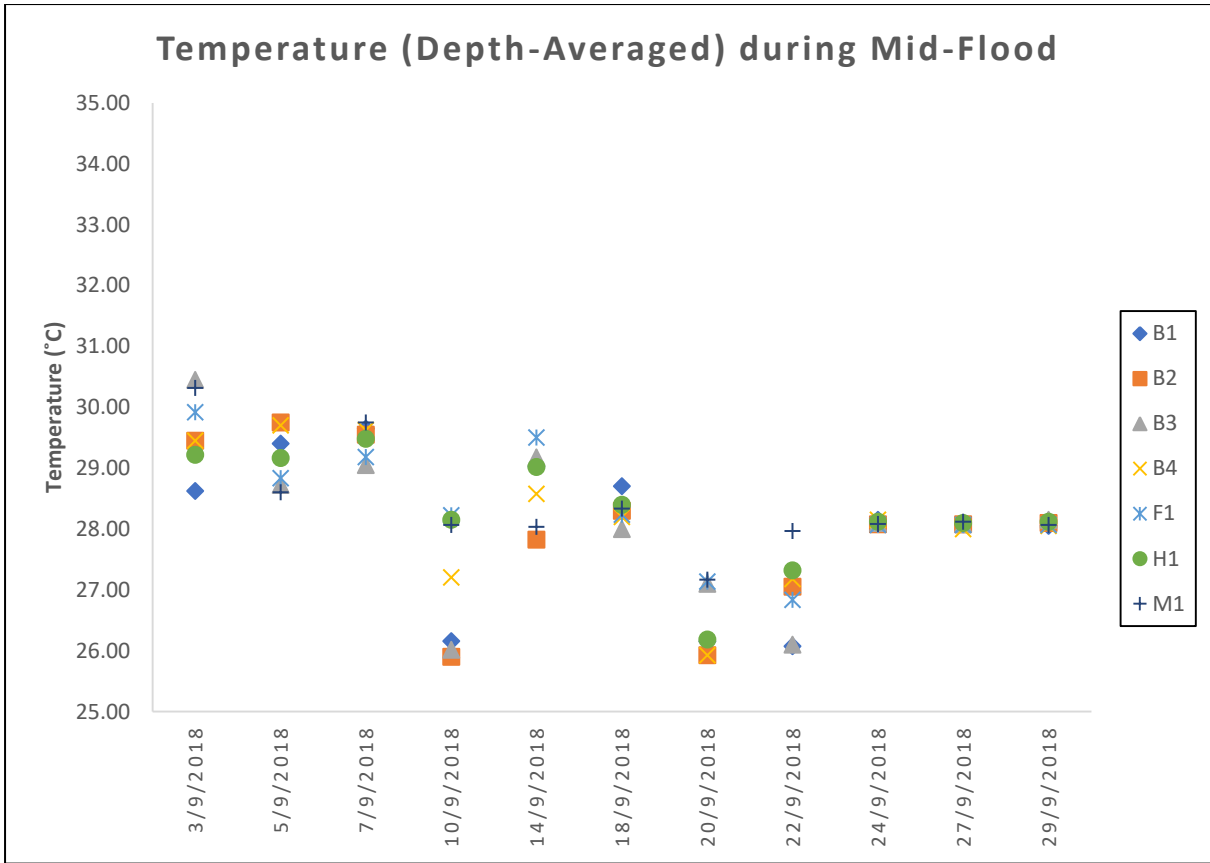


Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7** of the monthly EM & A report.

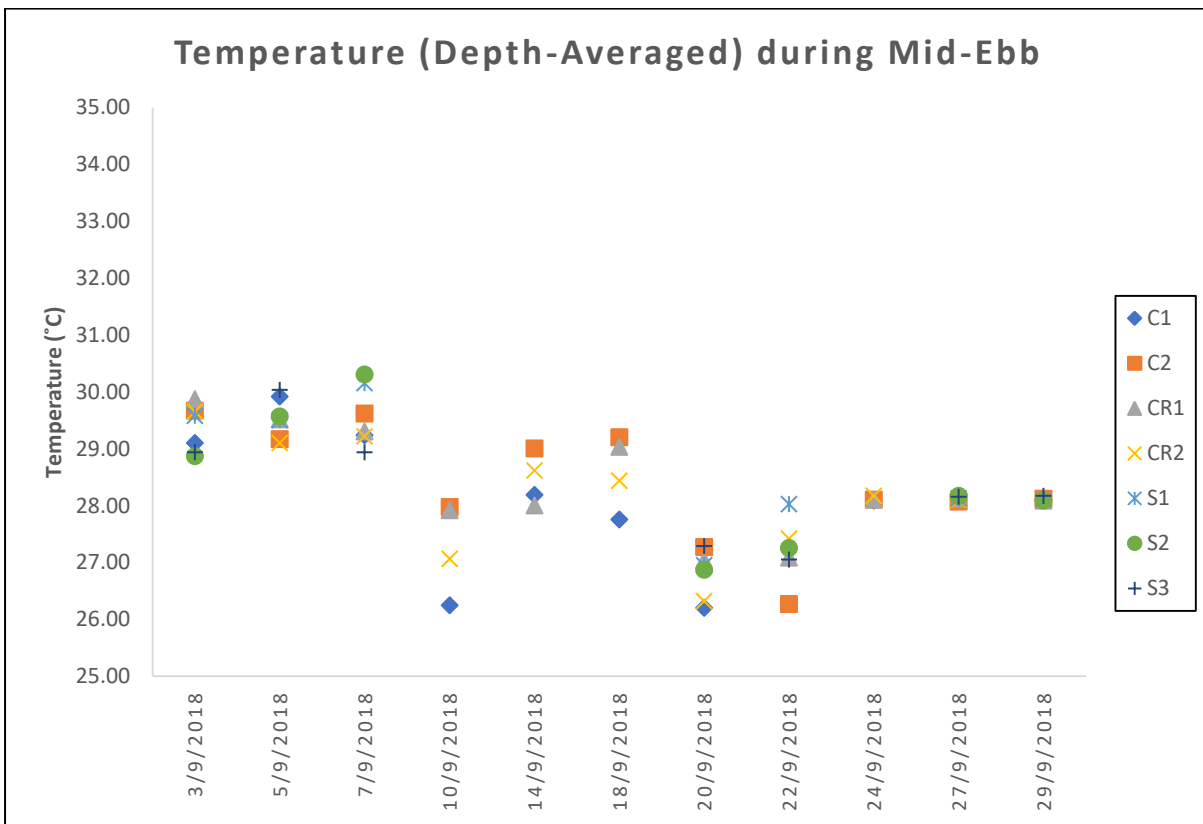
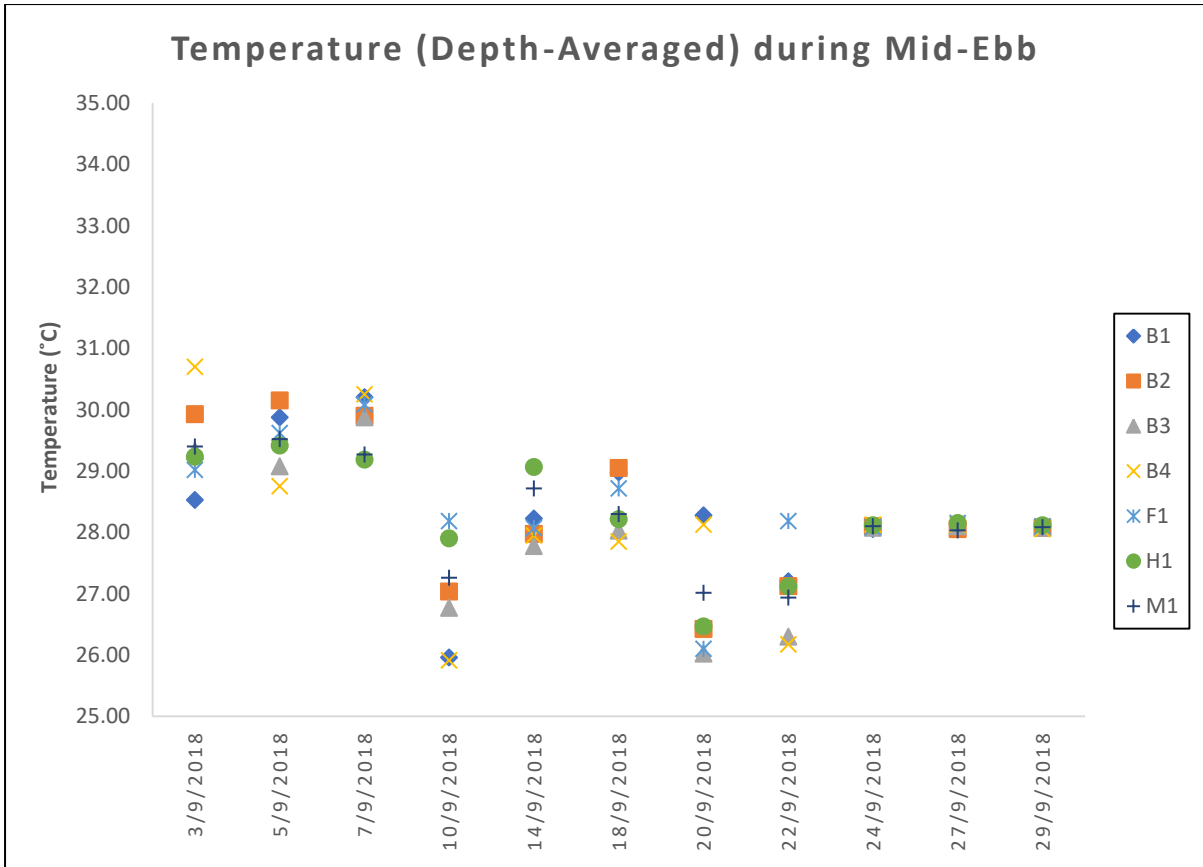




Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7** of the monthly EM & A report.



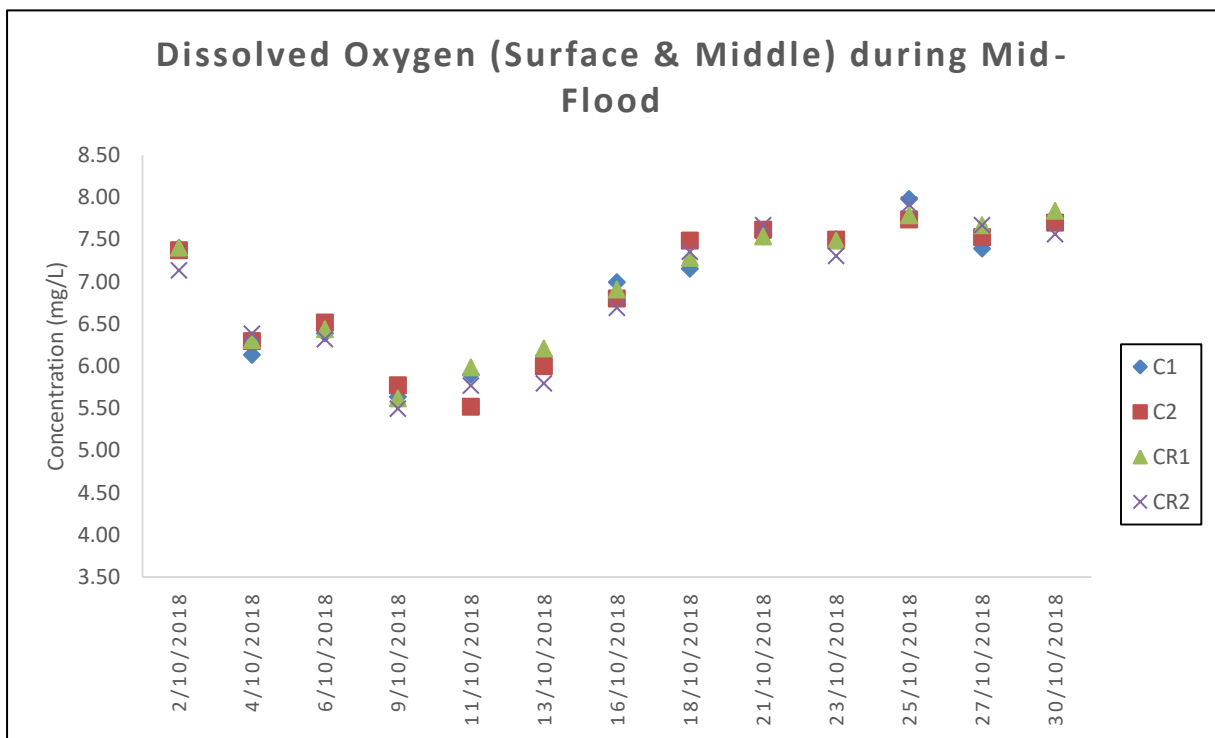
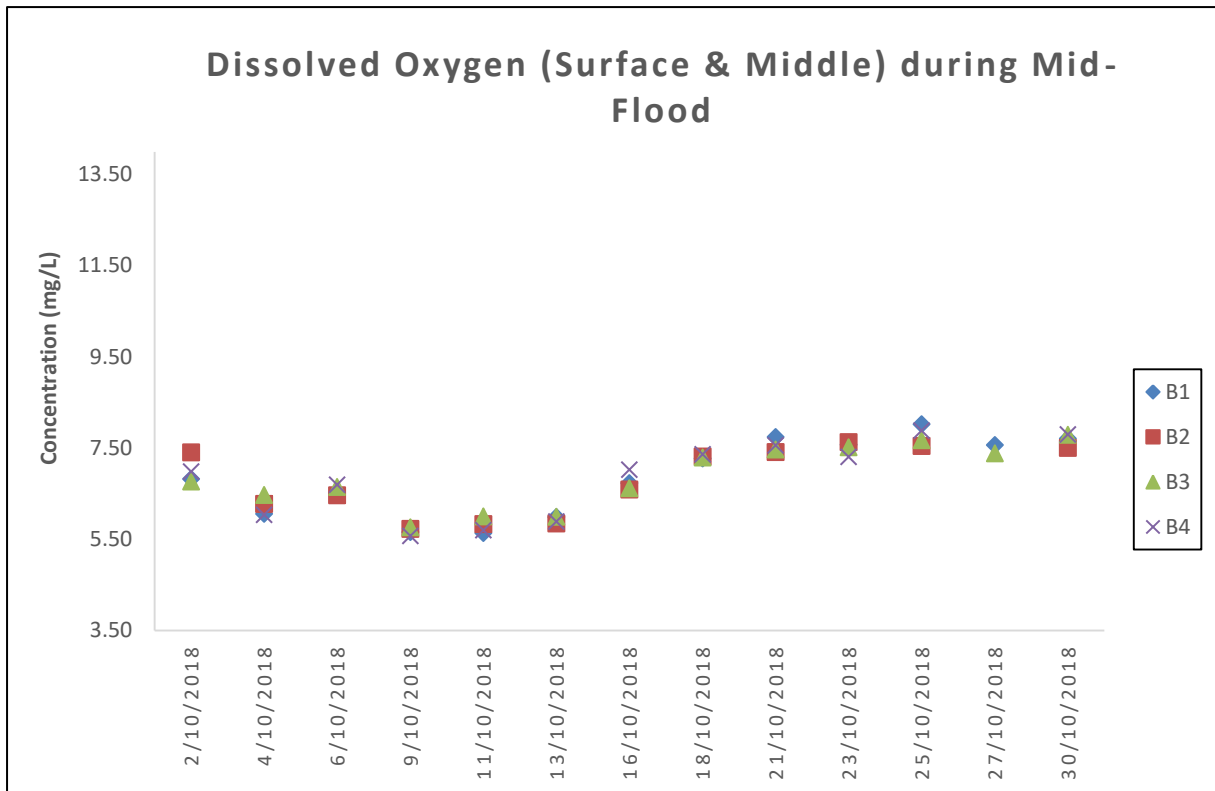
Note: The Action and Limit Level of temperature can be referred to **Table 2.7** of the monthly EM & A report.



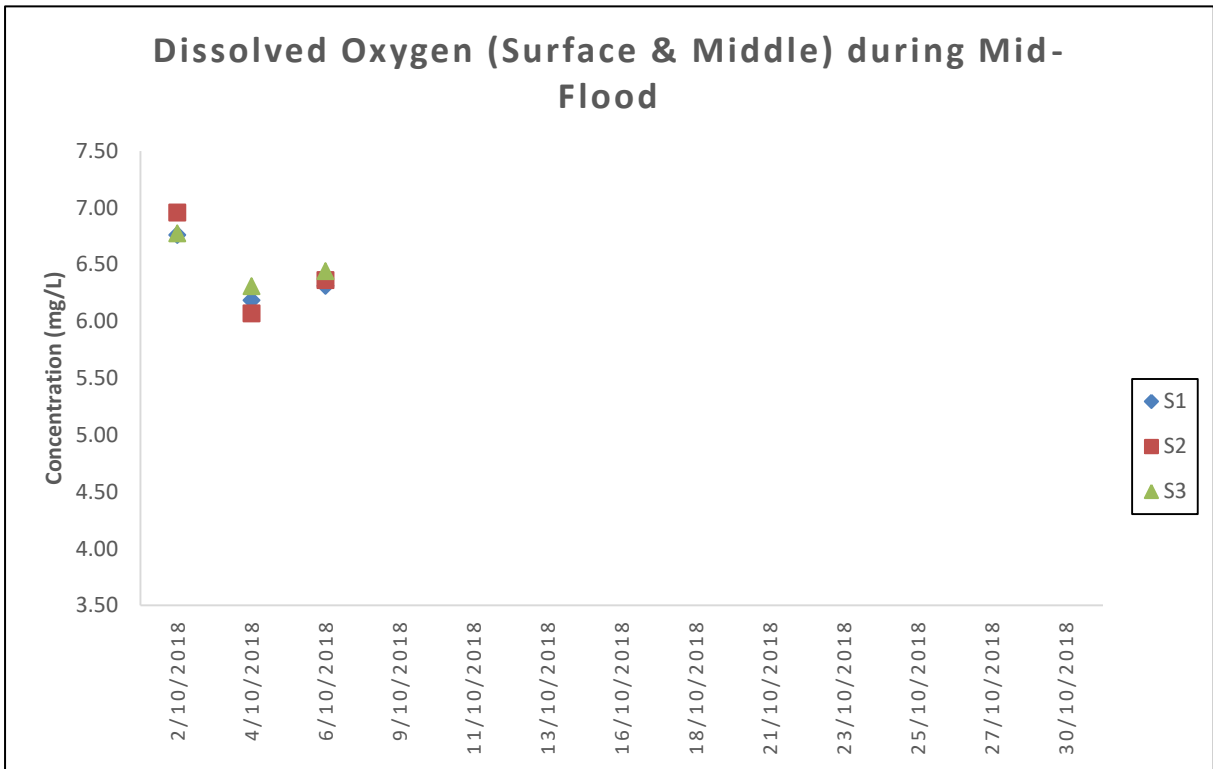
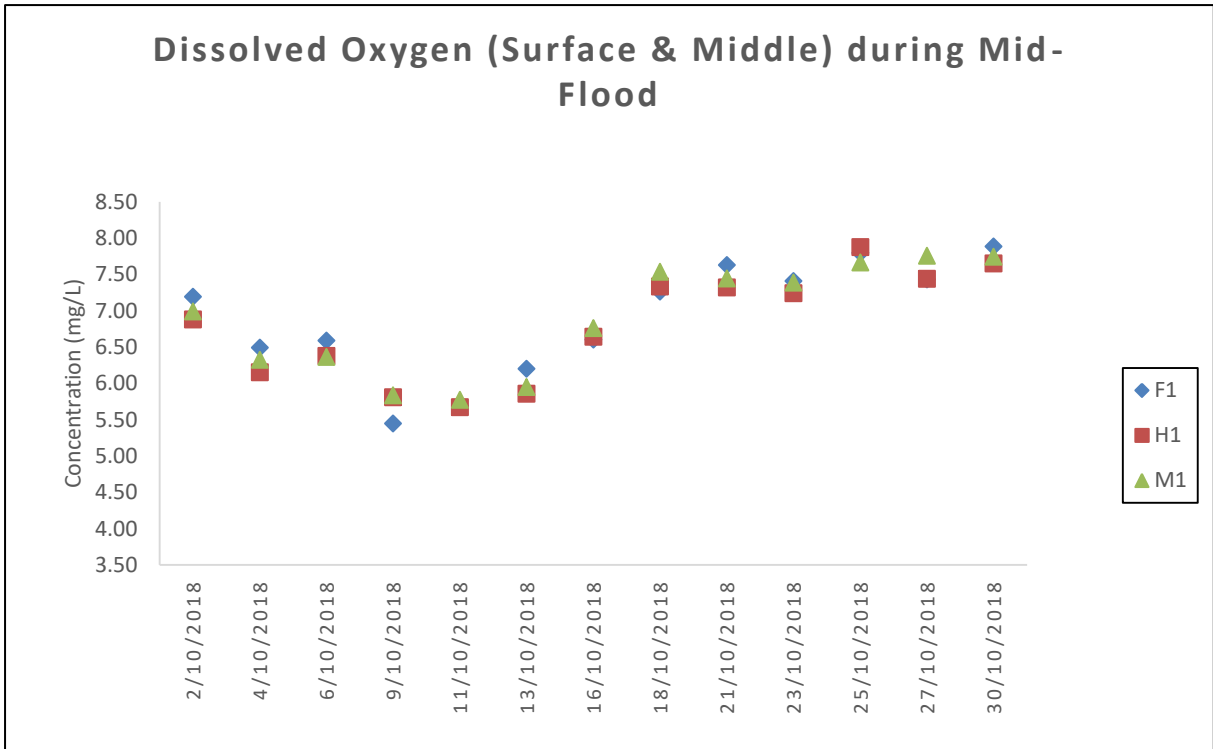
Note: The Action and Limit Level of temperature can be referred to **Table 2.7** of the monthly EM & A report.



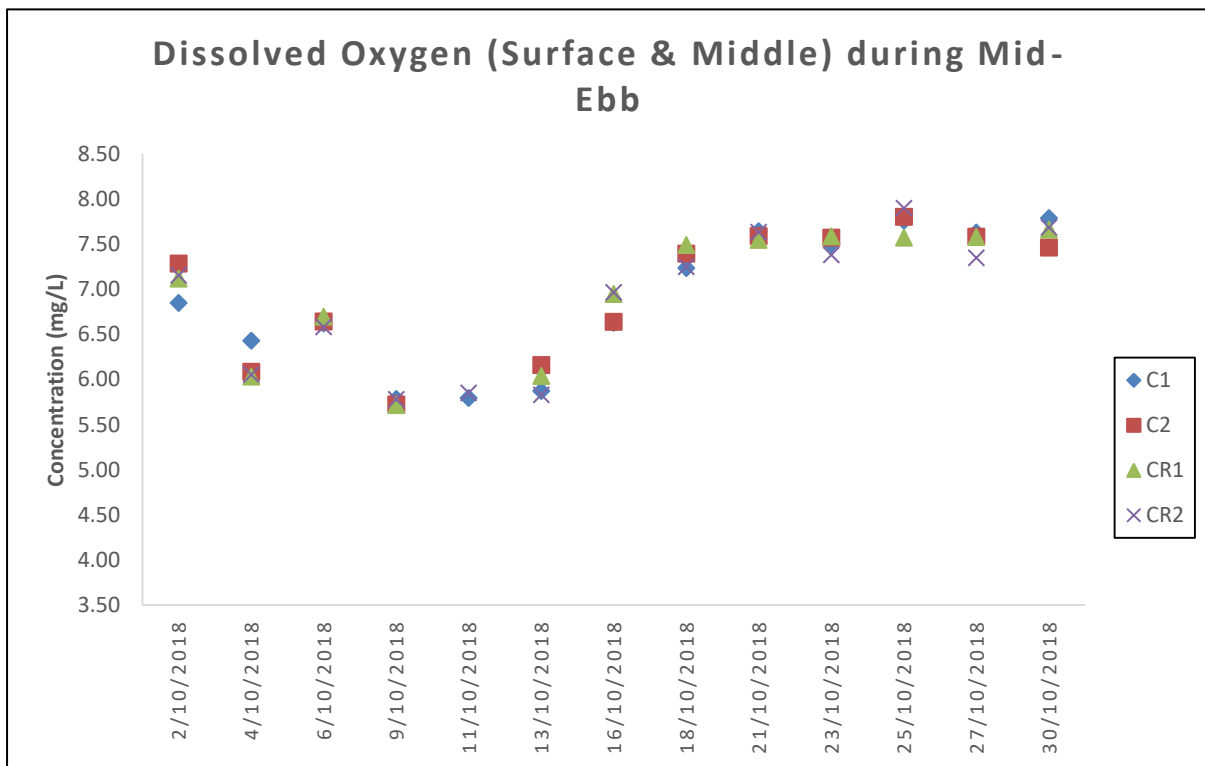
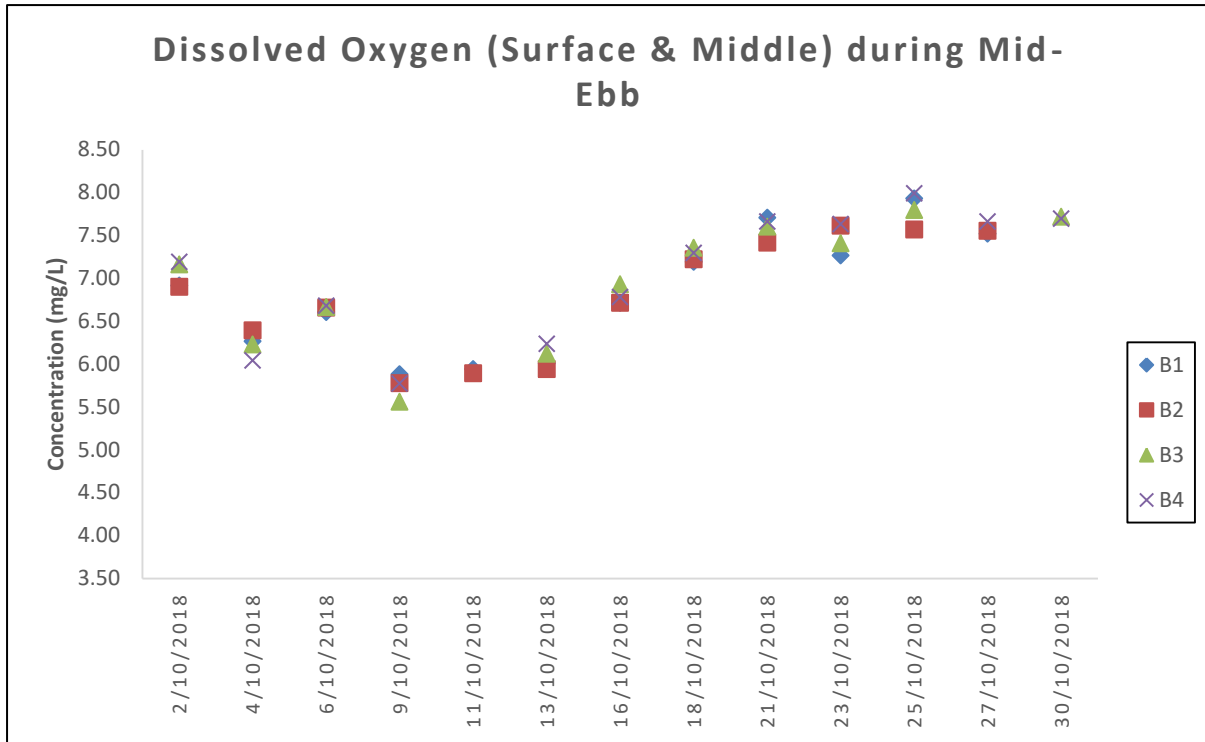




Note: The Action and Limit Level of Dissolved oxygen can be referred to **Table 2.7** of the monthly EM &A report.

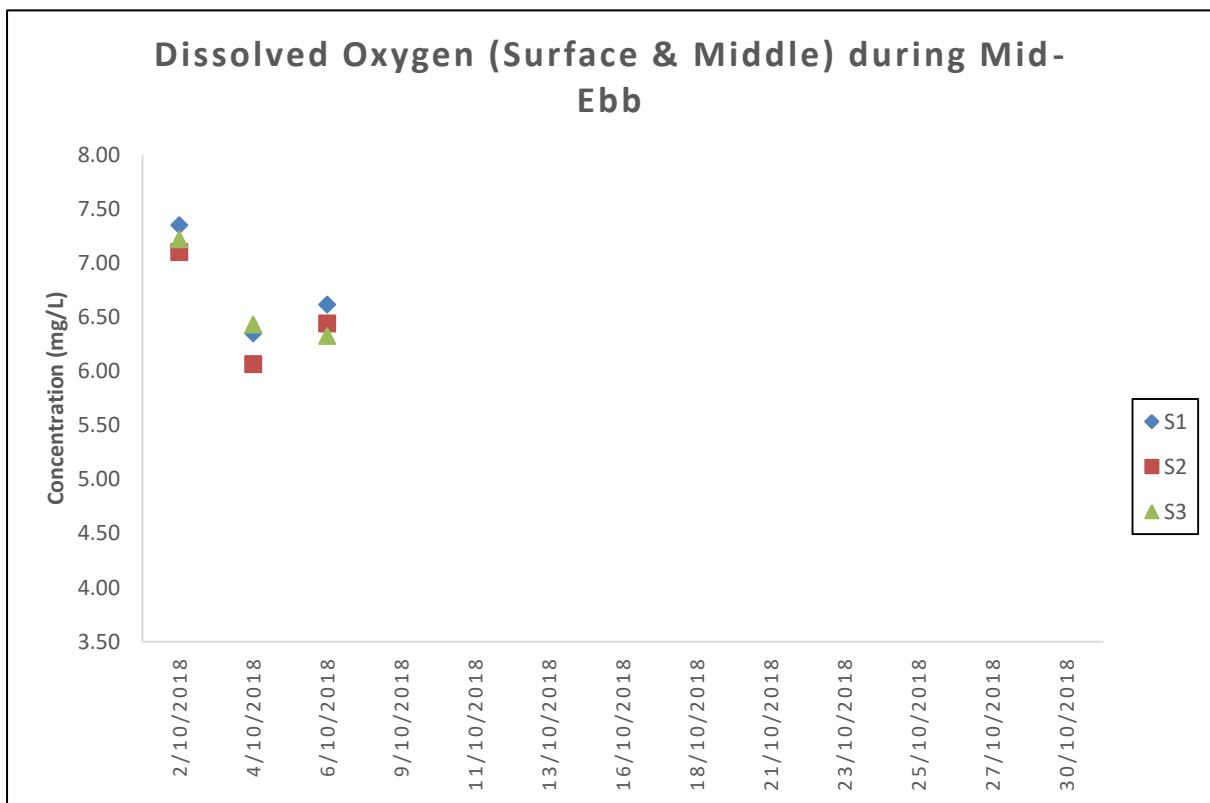
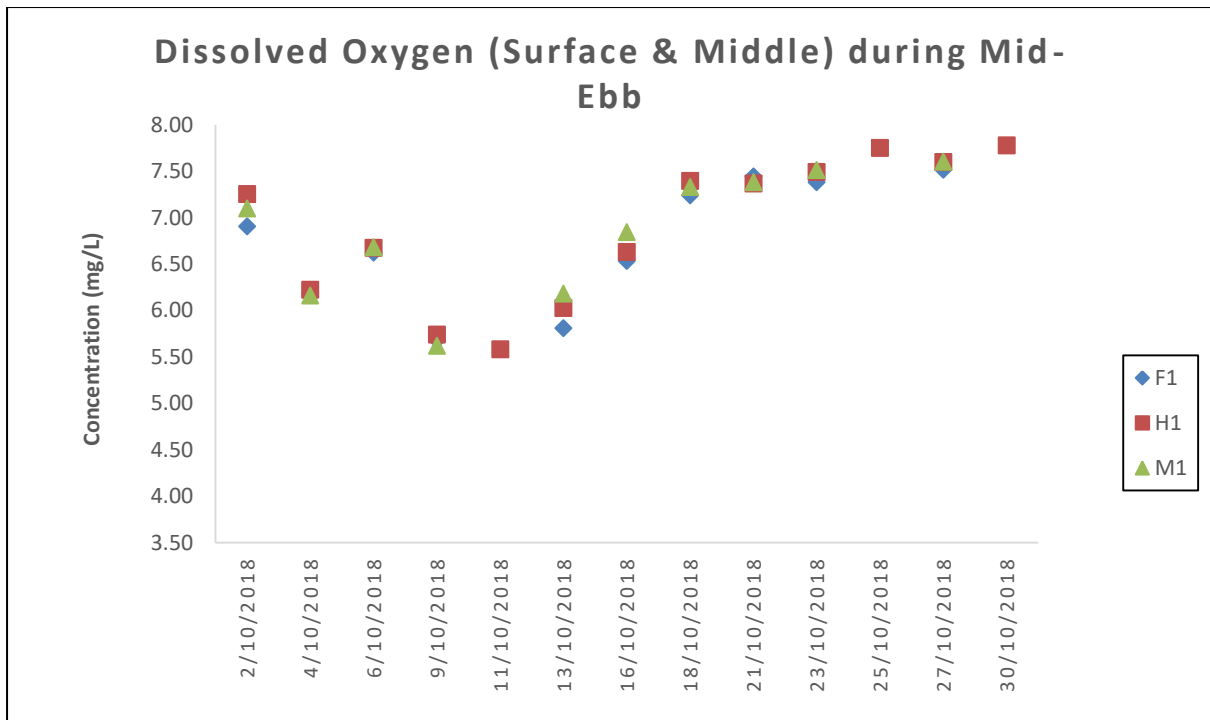


Note: The Action and Limit Level of Dissolved oxygen can be referred to **Table 2.7** of the monthly EM &A report.

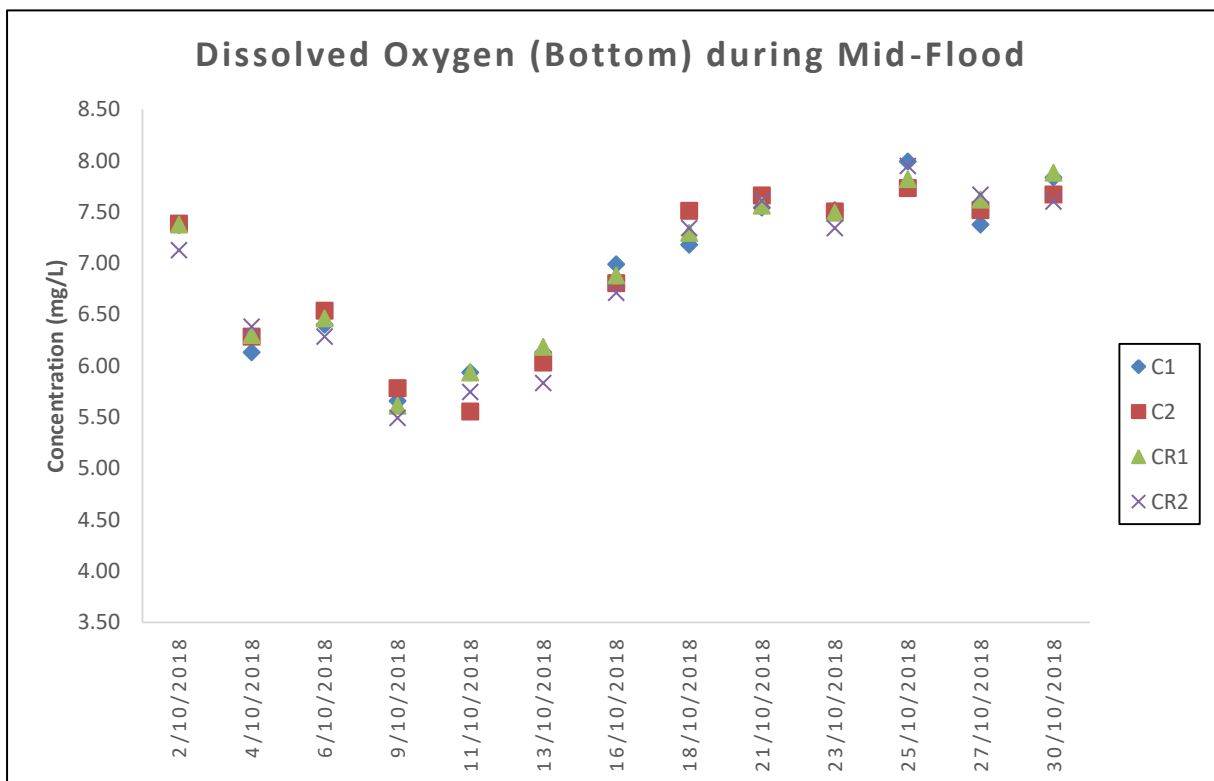
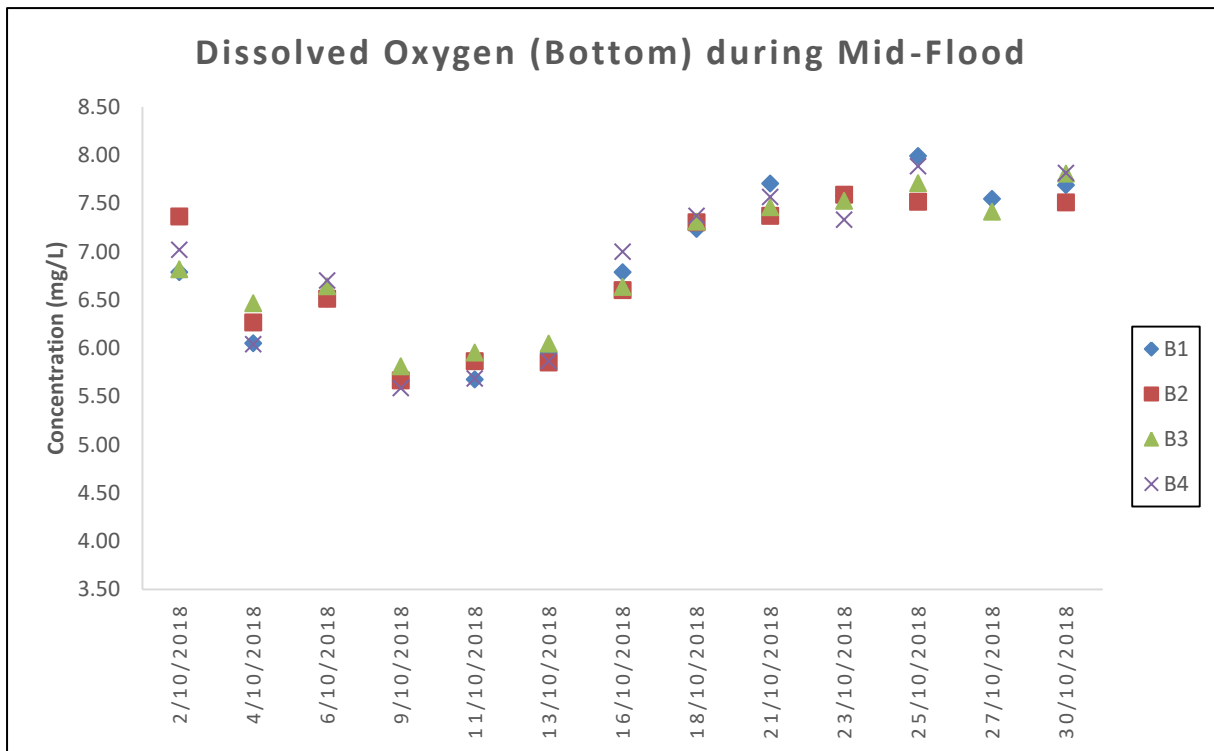


Note: The Action and Limit Level of Dissolved oxygen can be referred to **Table 2.7** of the monthly EM &A report.

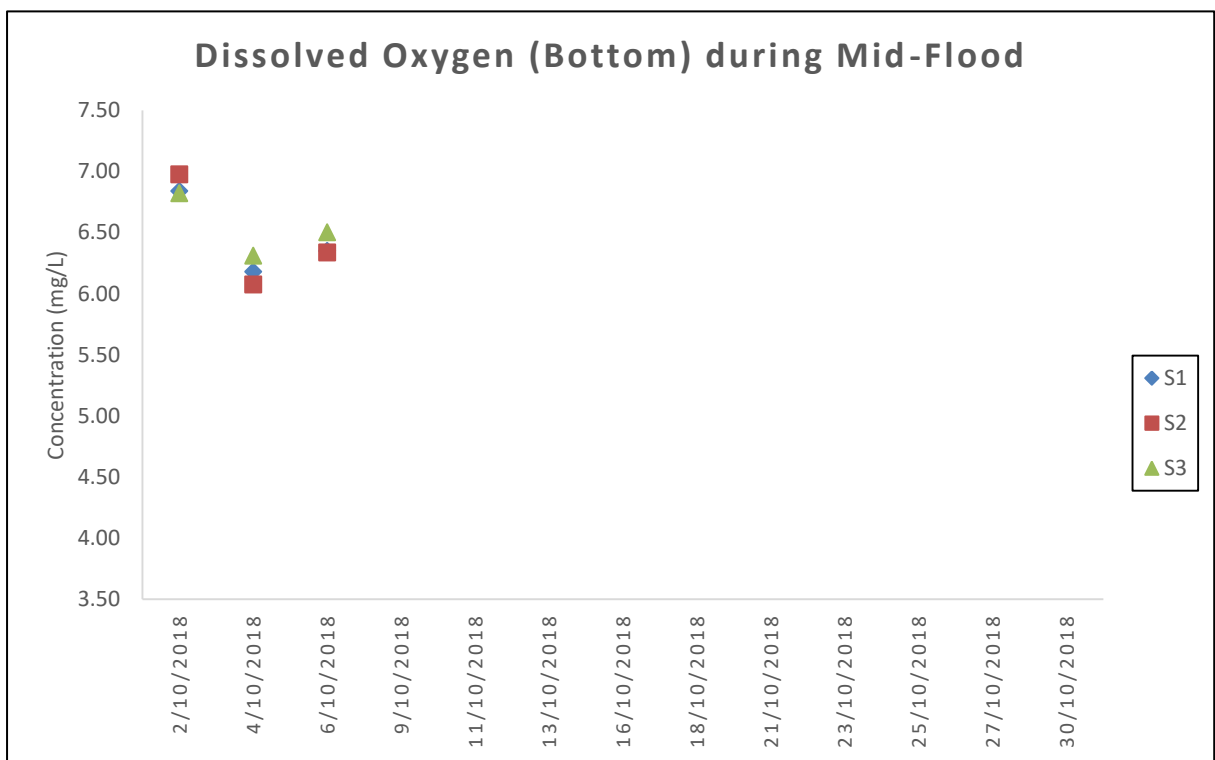
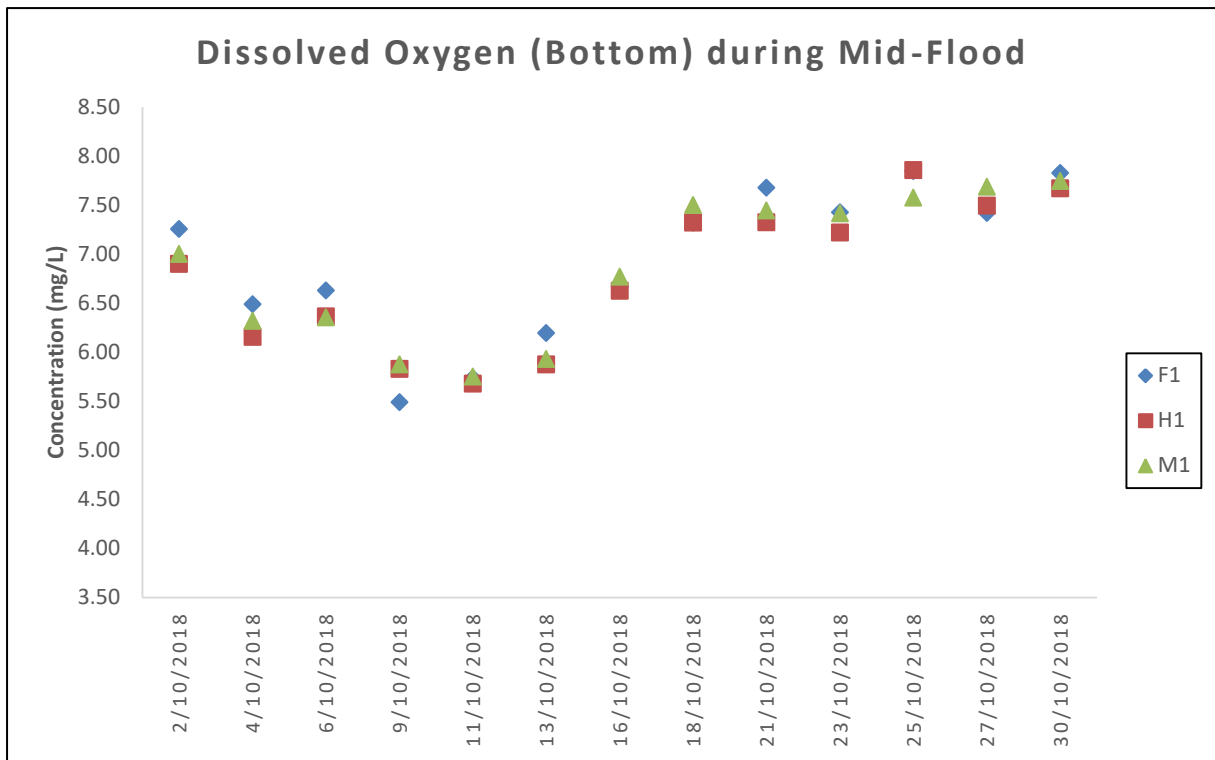




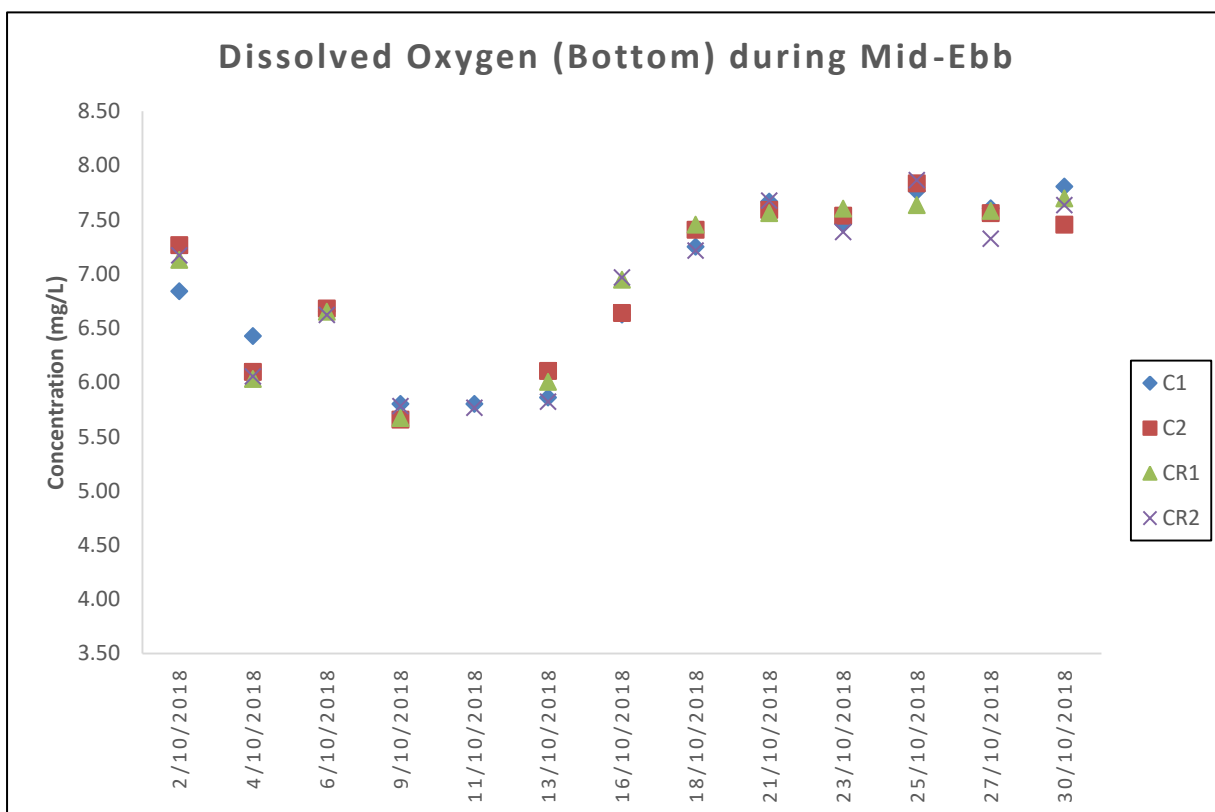
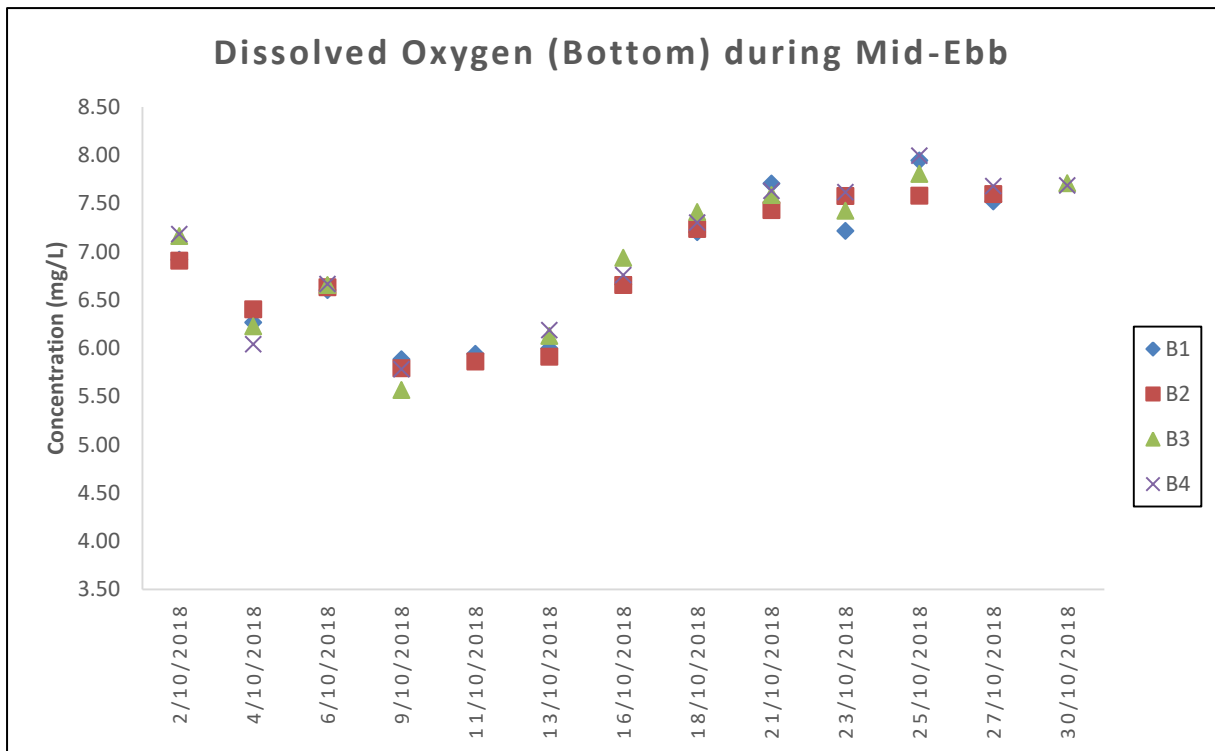
Note: The Action and Limit Level of Dissolved oxygen can be referred to **Table 2.7** of the monthly EM &A report.



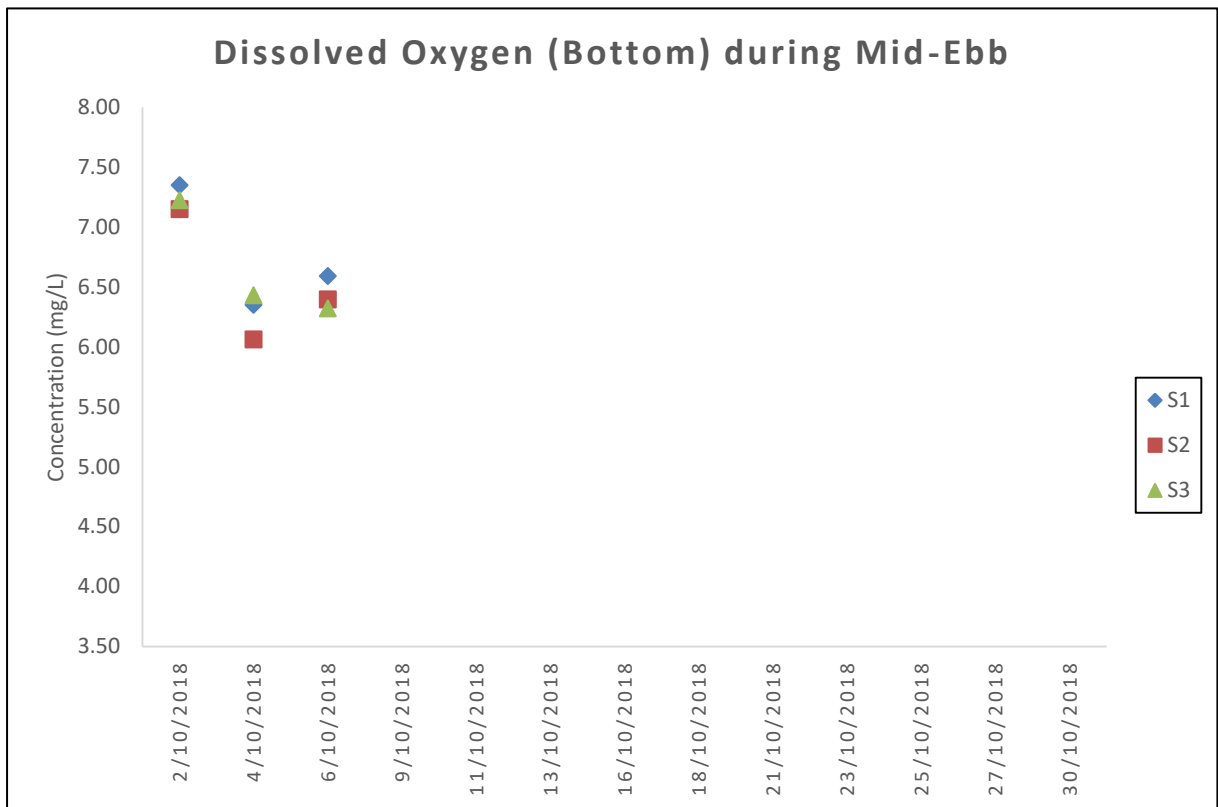
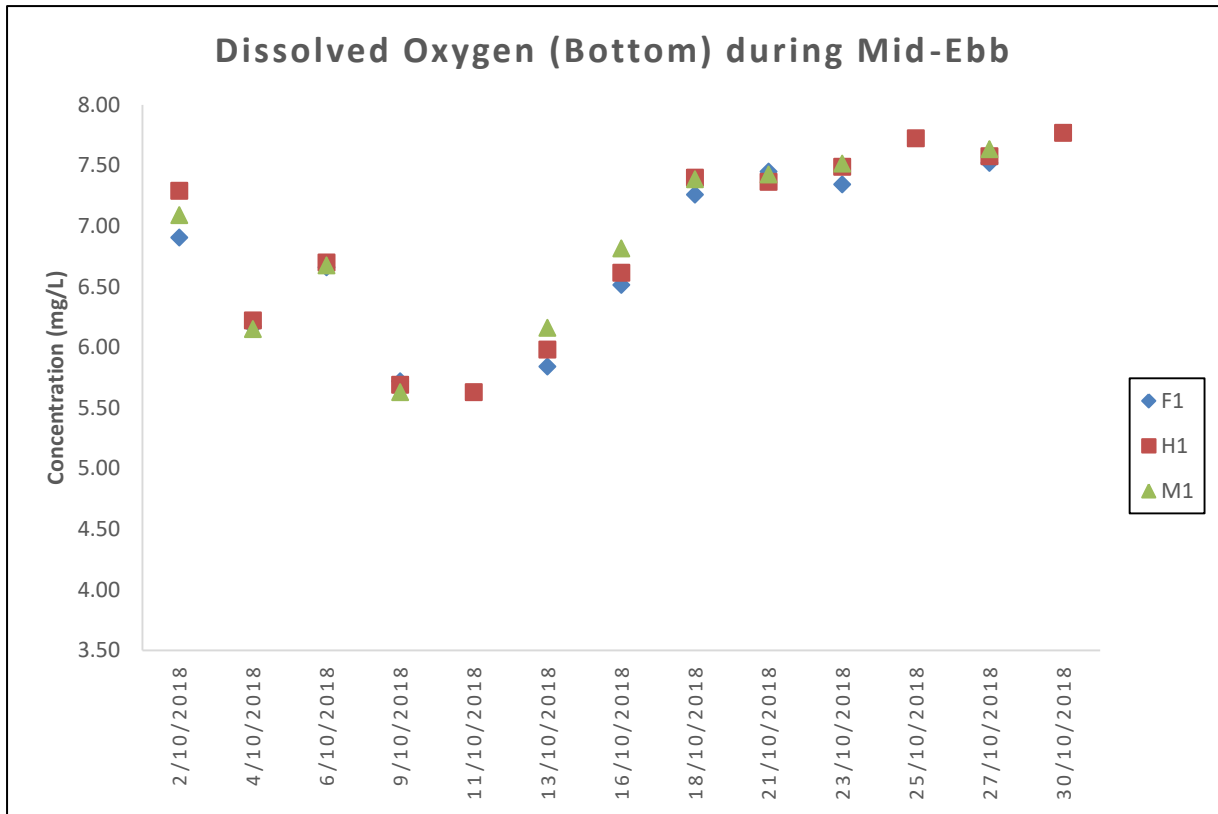
Note: The Action and Limit Level of Dissolved oxygen can be referred to **Table 2.7** of the monthly EM &A report.



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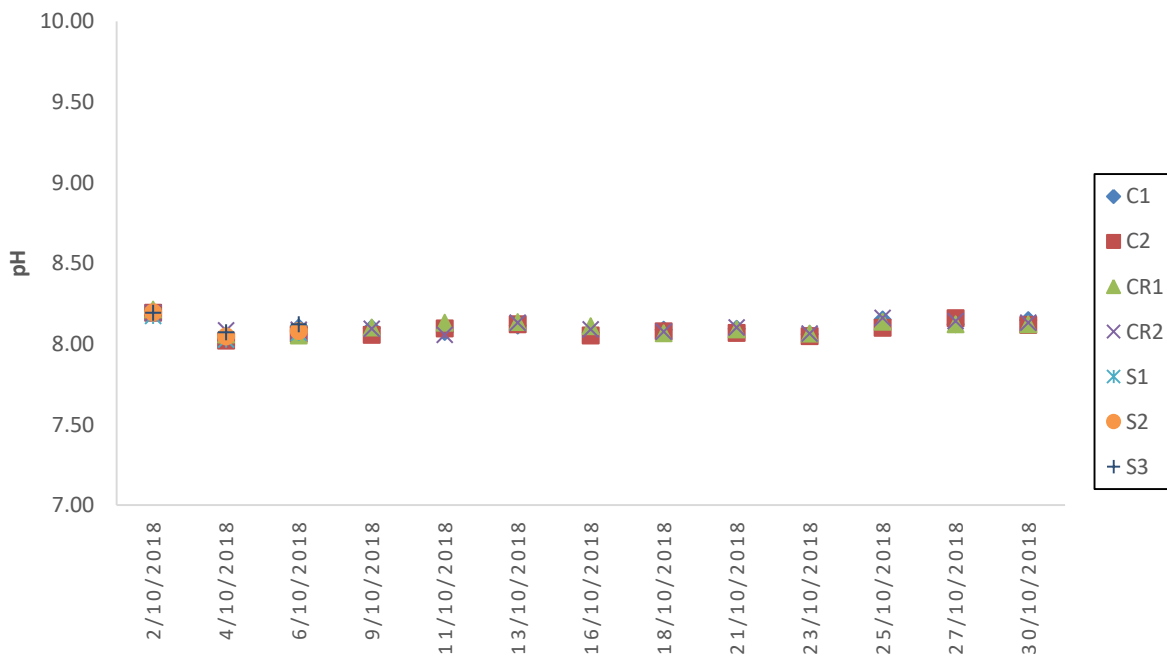


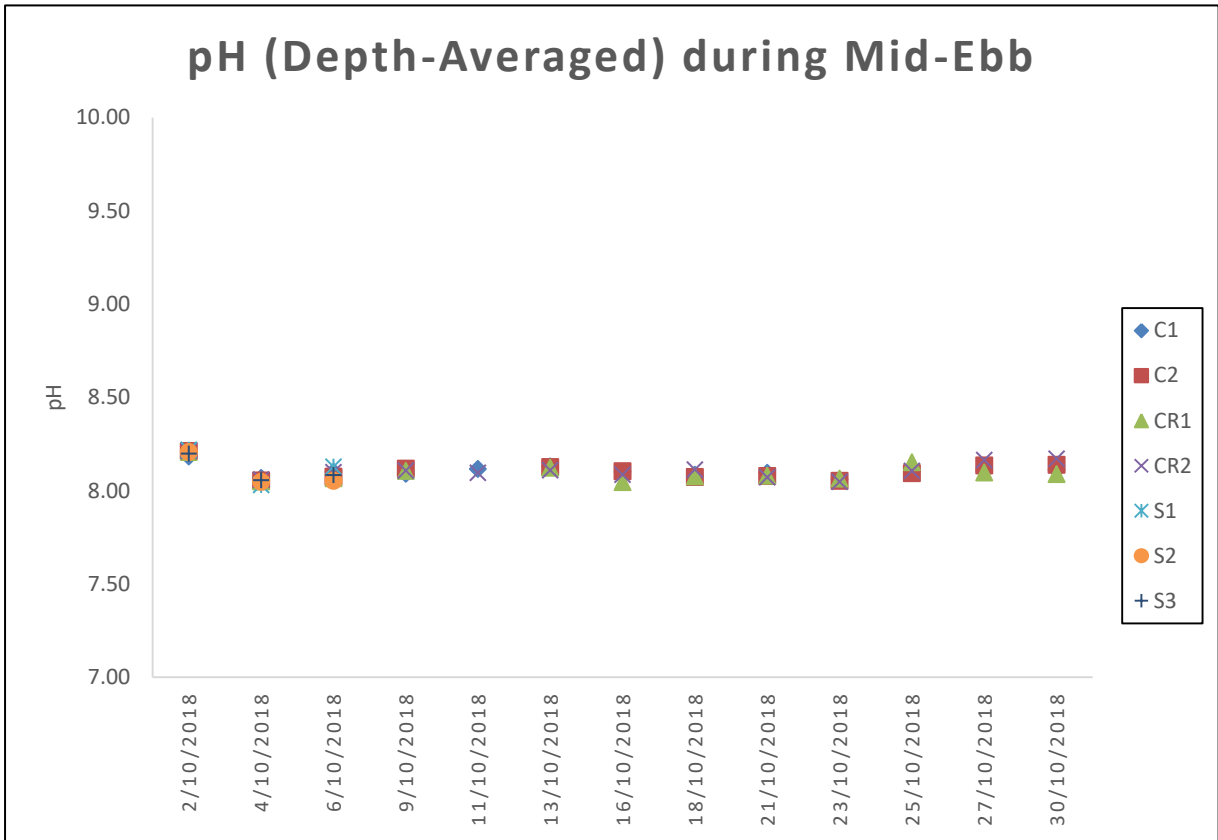
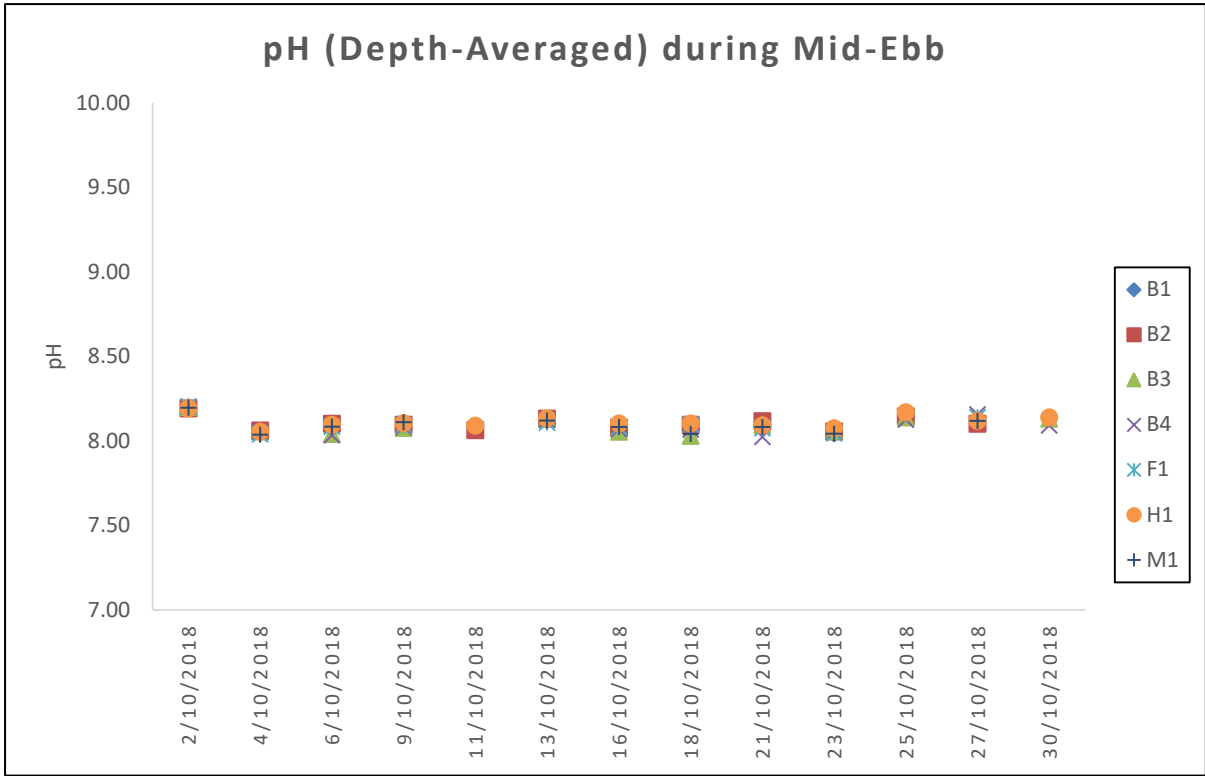
Note: The Action and Limit Level of Dissolved oxygen can be referred to **Table 2.7** of the monthly EM &A report.

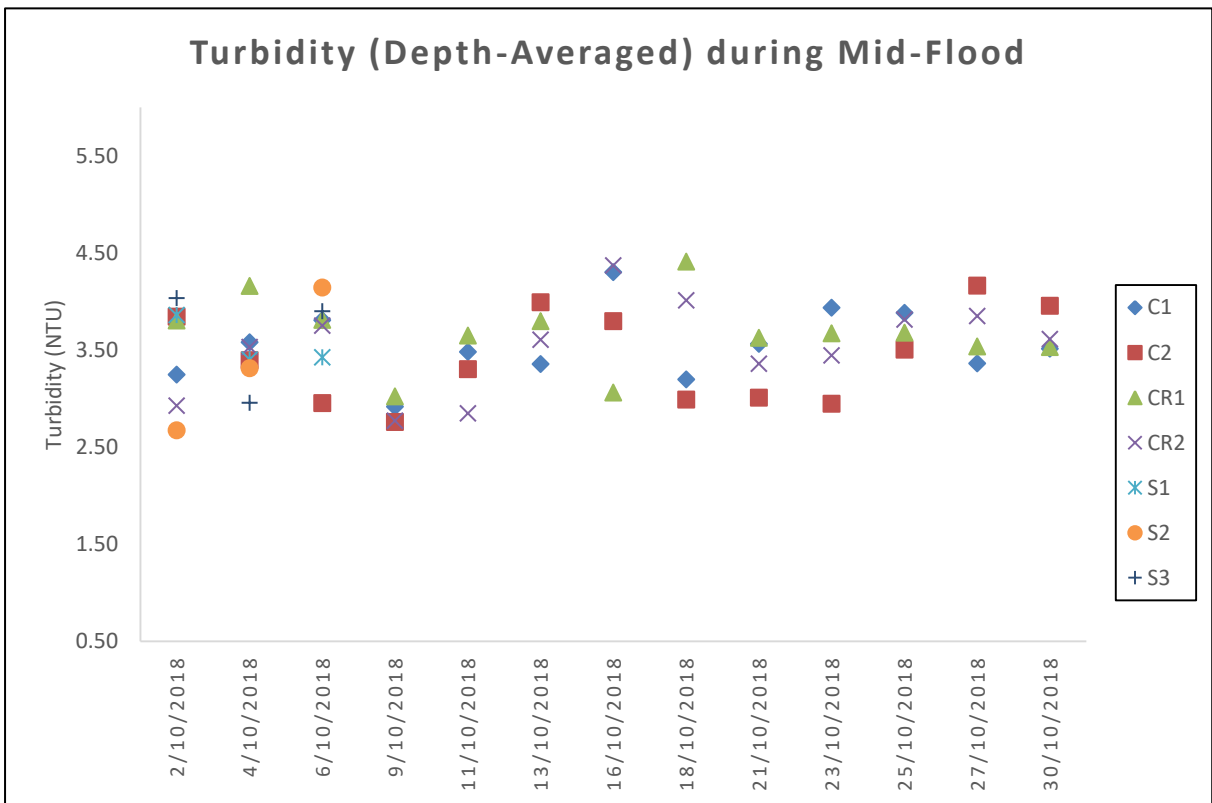
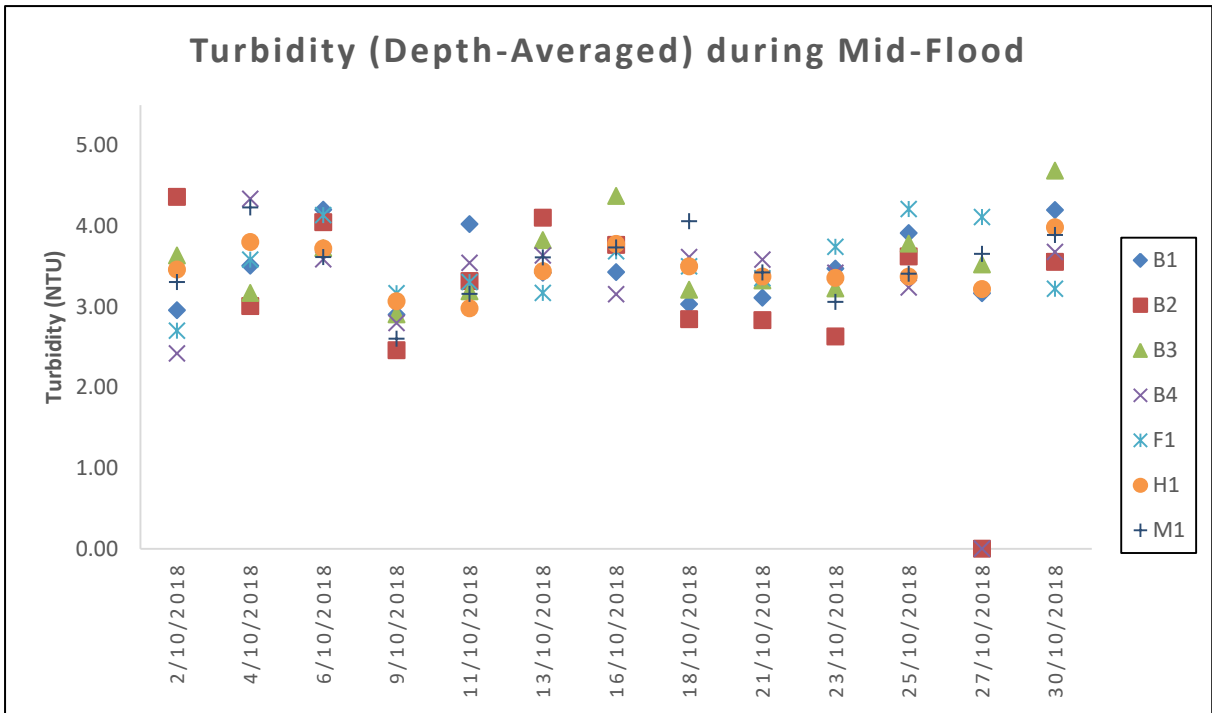
### pH (Depth-Averaged) during Mid-Flood



### pH (Depth-Averaged) during Mid-Flood

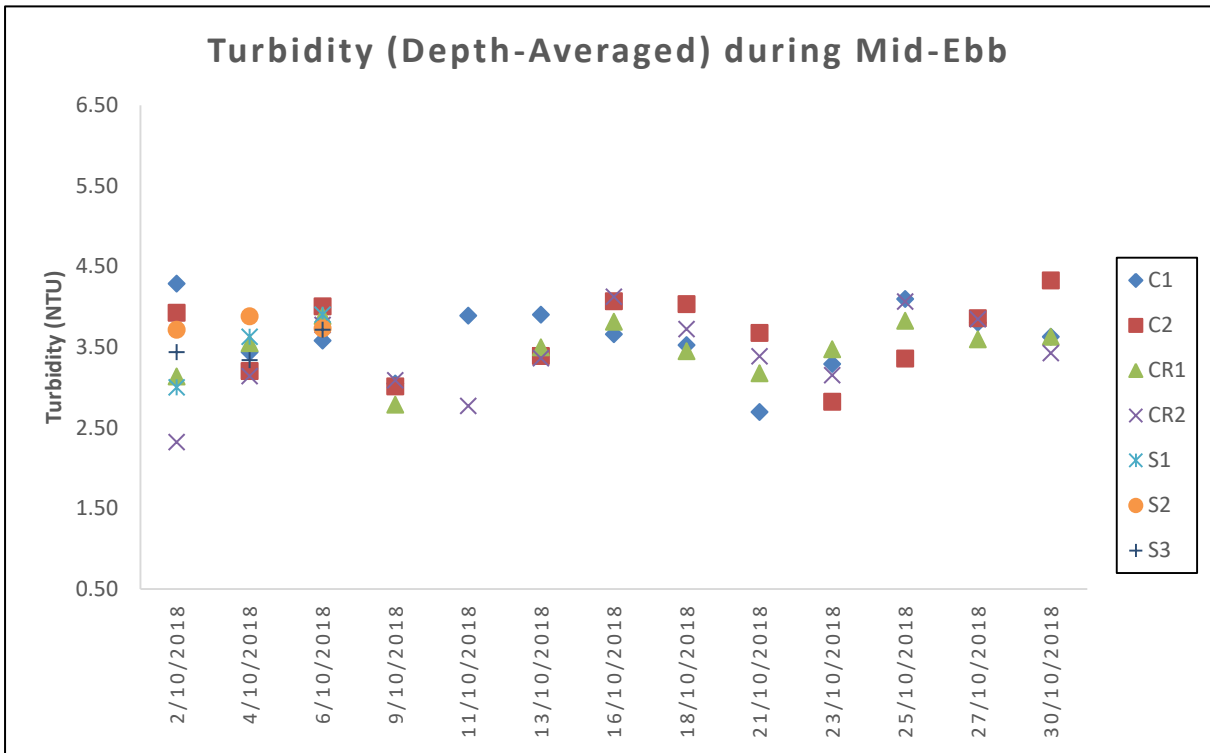
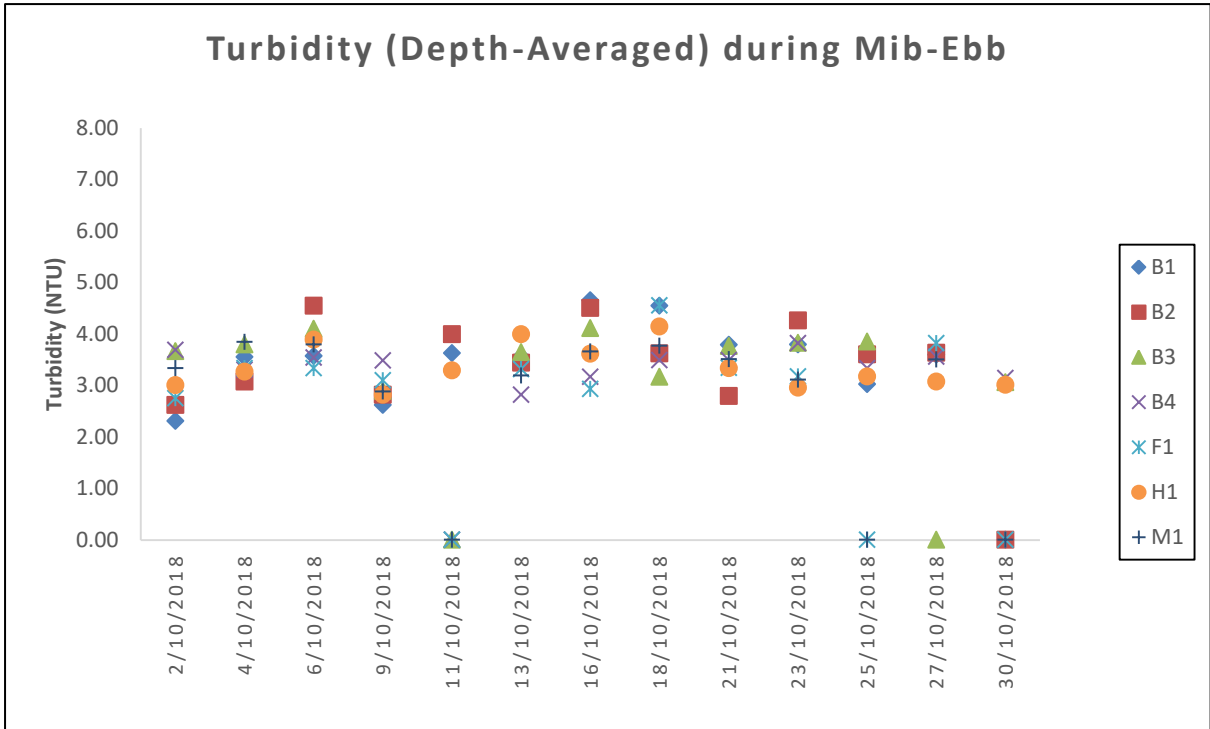




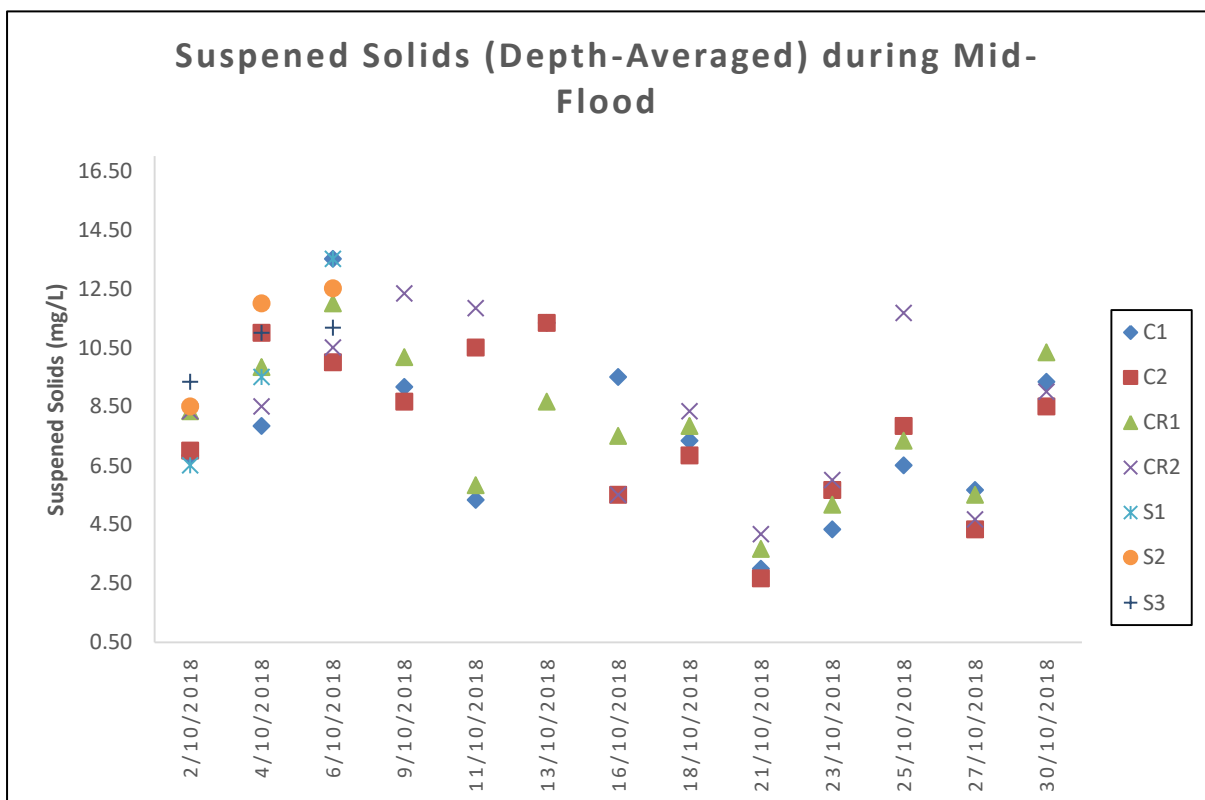
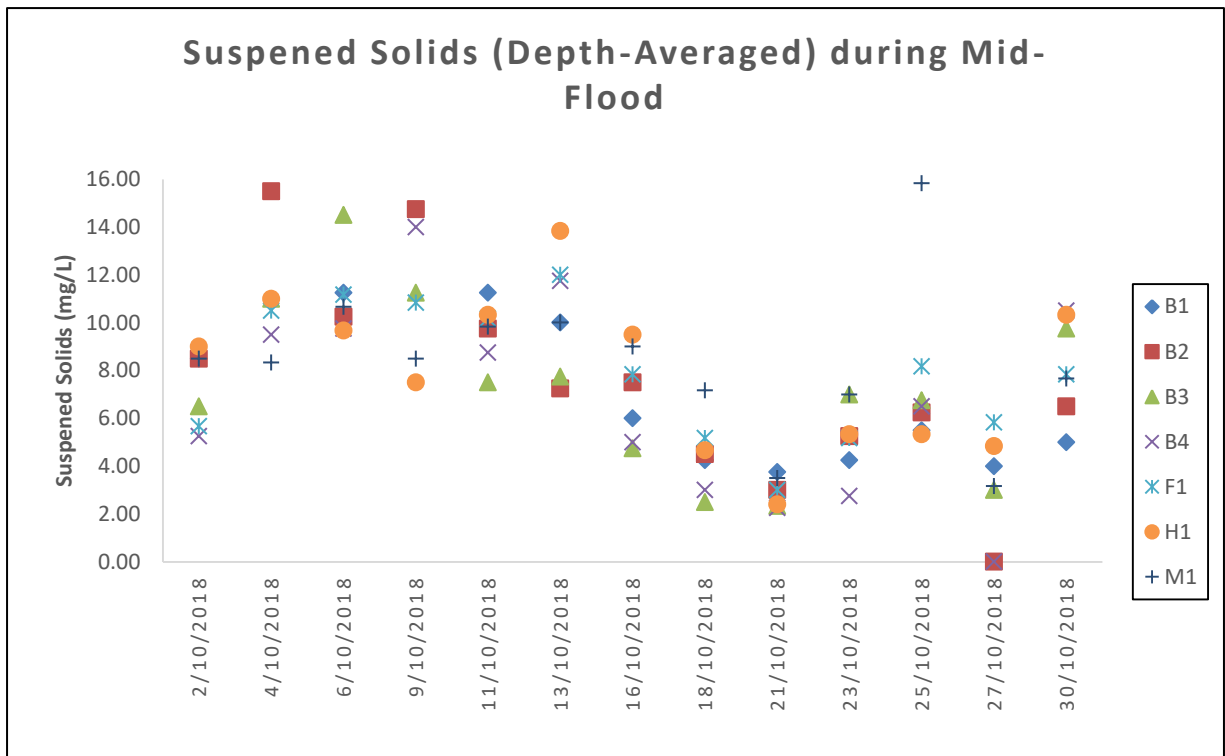


Note: The Action and Limit Level of Turbidity can be referred to **Table 2.7** of the monthly EM &A report

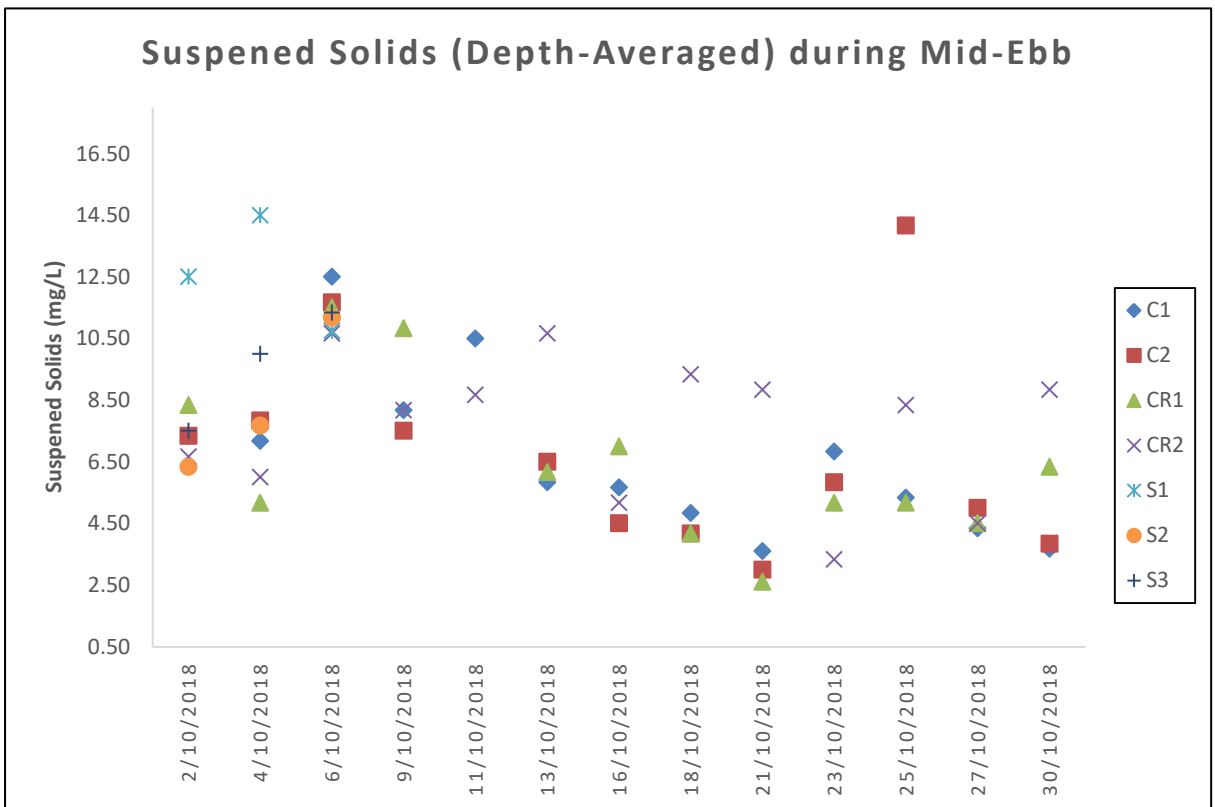
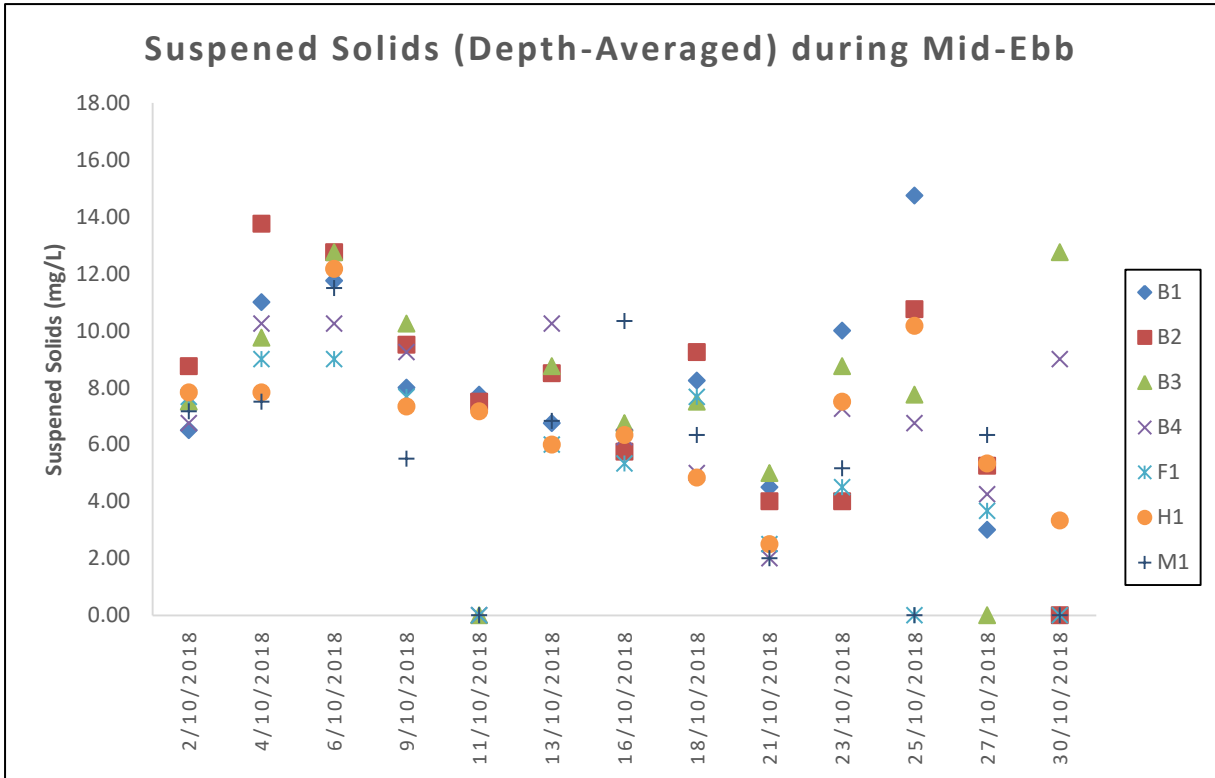




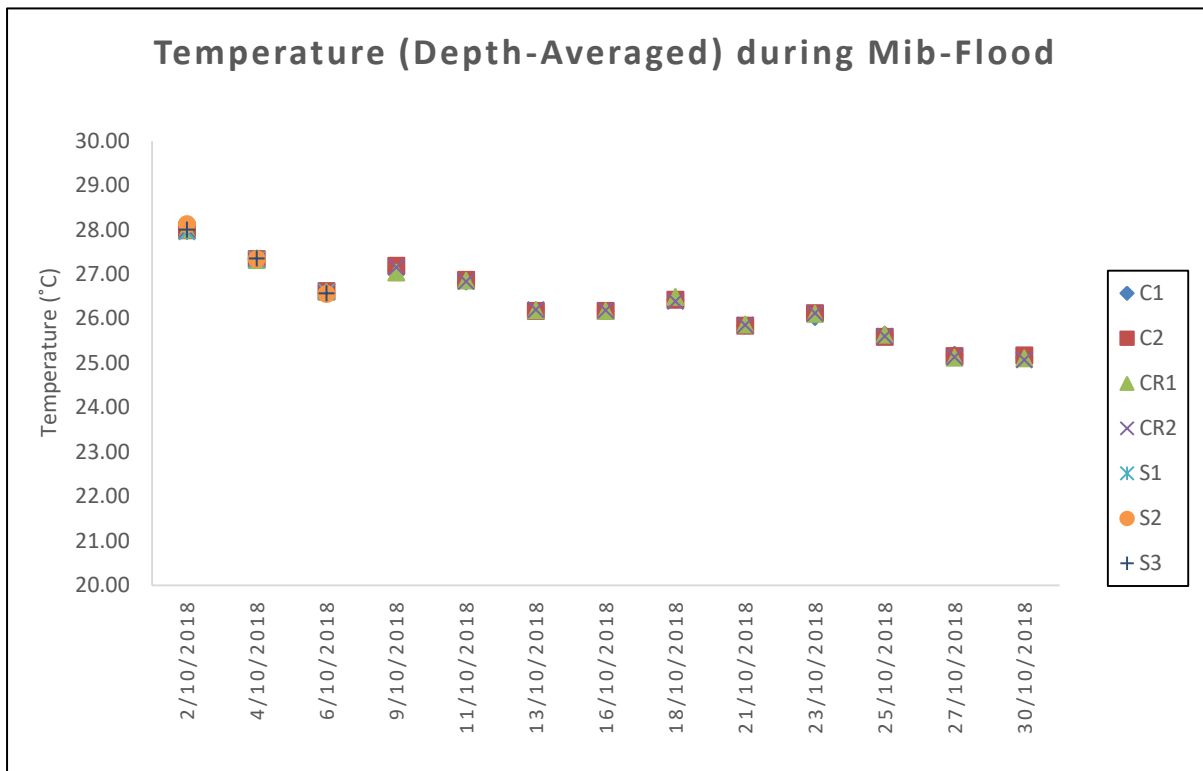
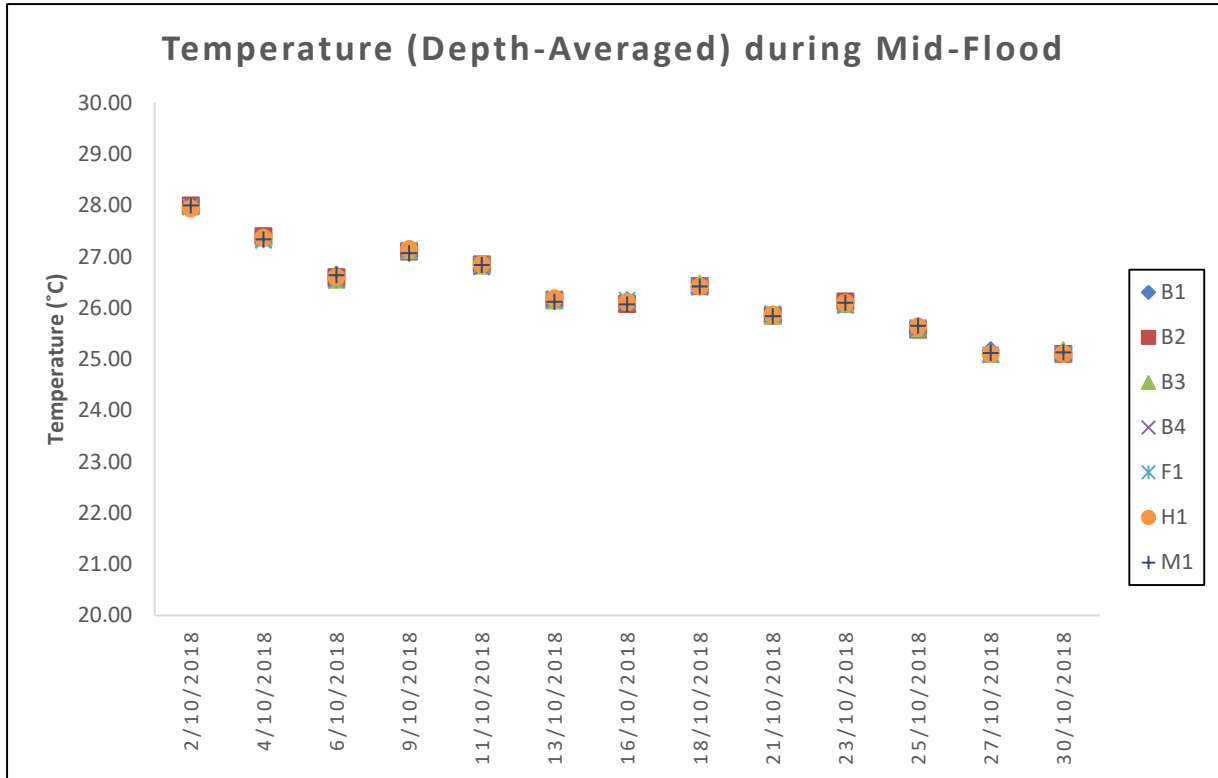
Note: The Action and Limit Level of Turbidity can be referred to **Table 2.7** of the monthly EM &A report



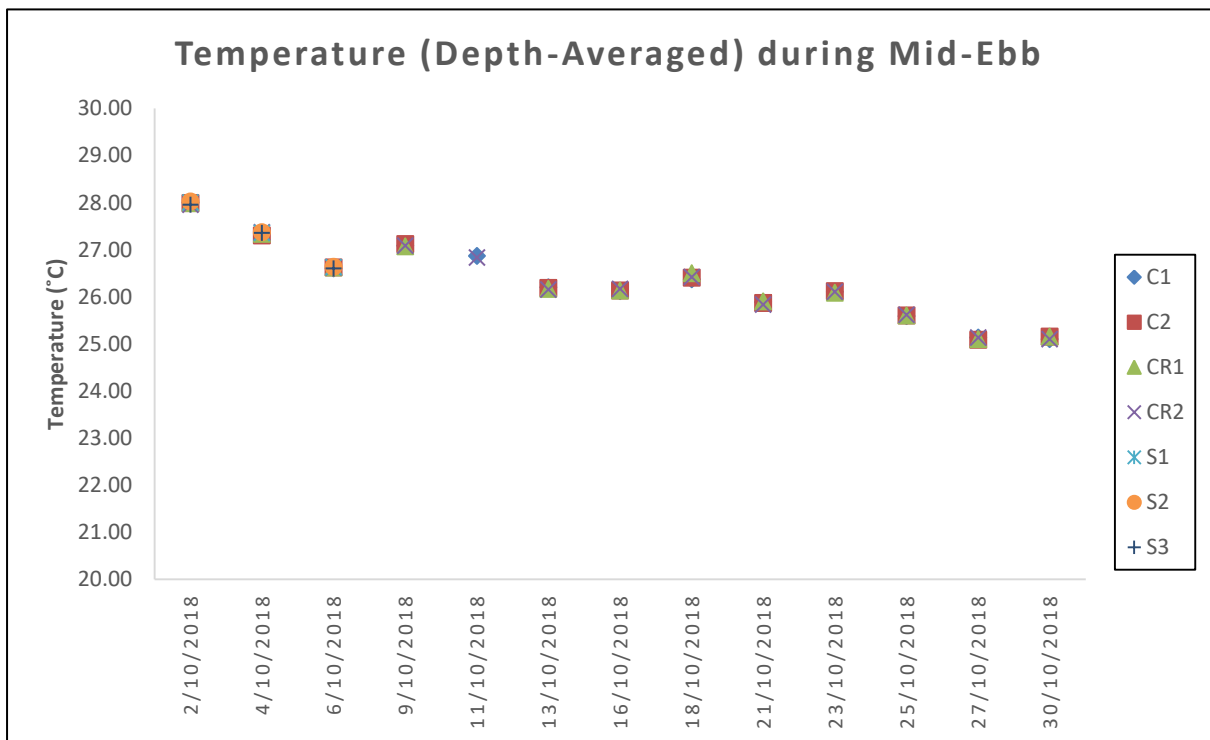
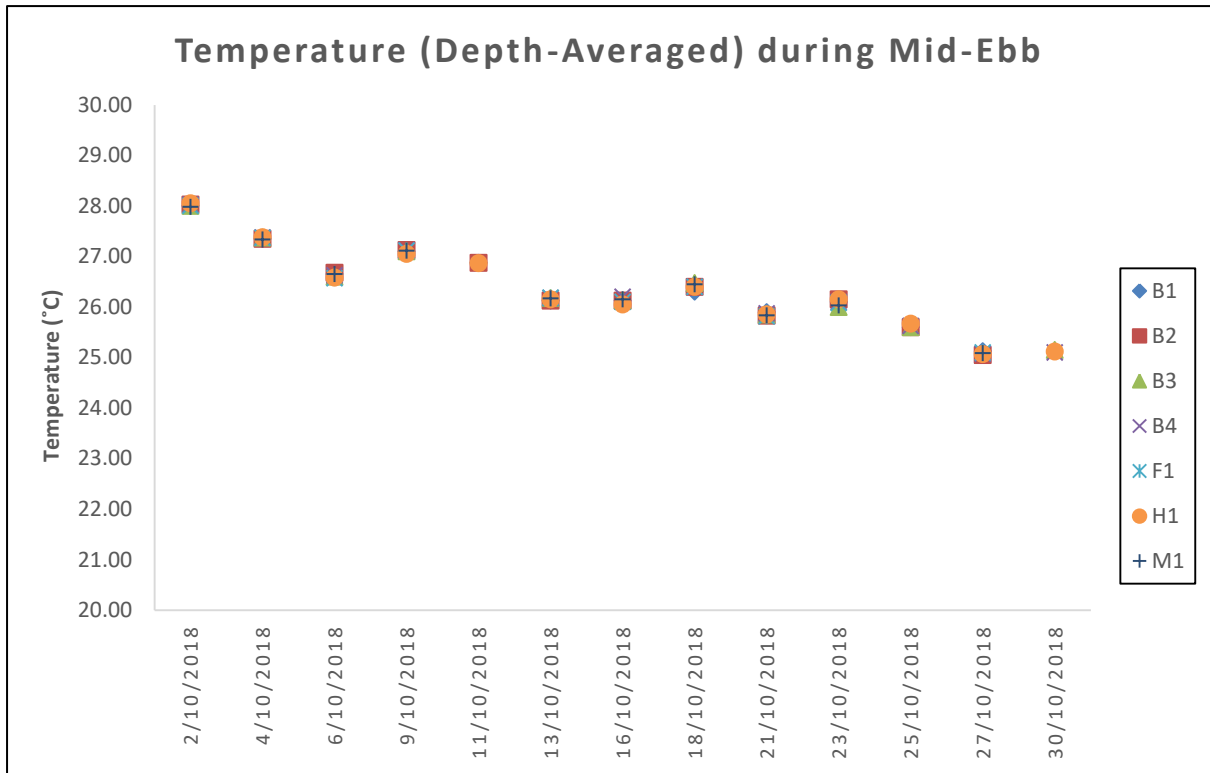
Note: The Action and Limit Level of Suspended Solids can be referred to **Table 2.7** of the monthly EM &A report



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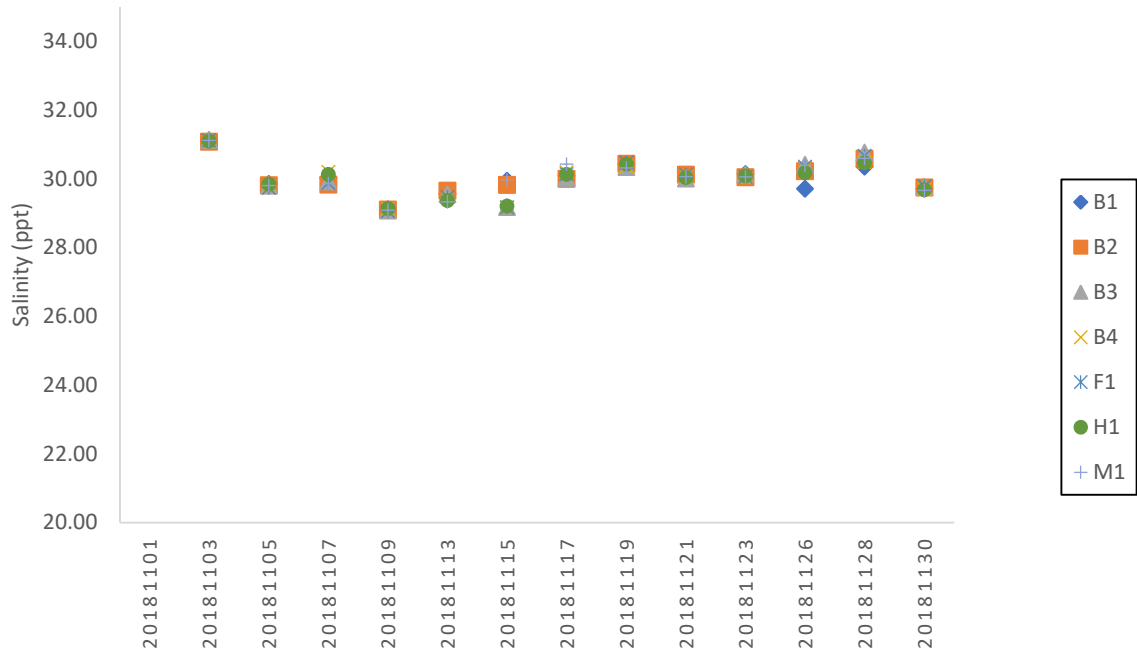


Note: The Action and Limit Level of Temperature can be referred to **Table 2.7** of the monthly EM &A report.

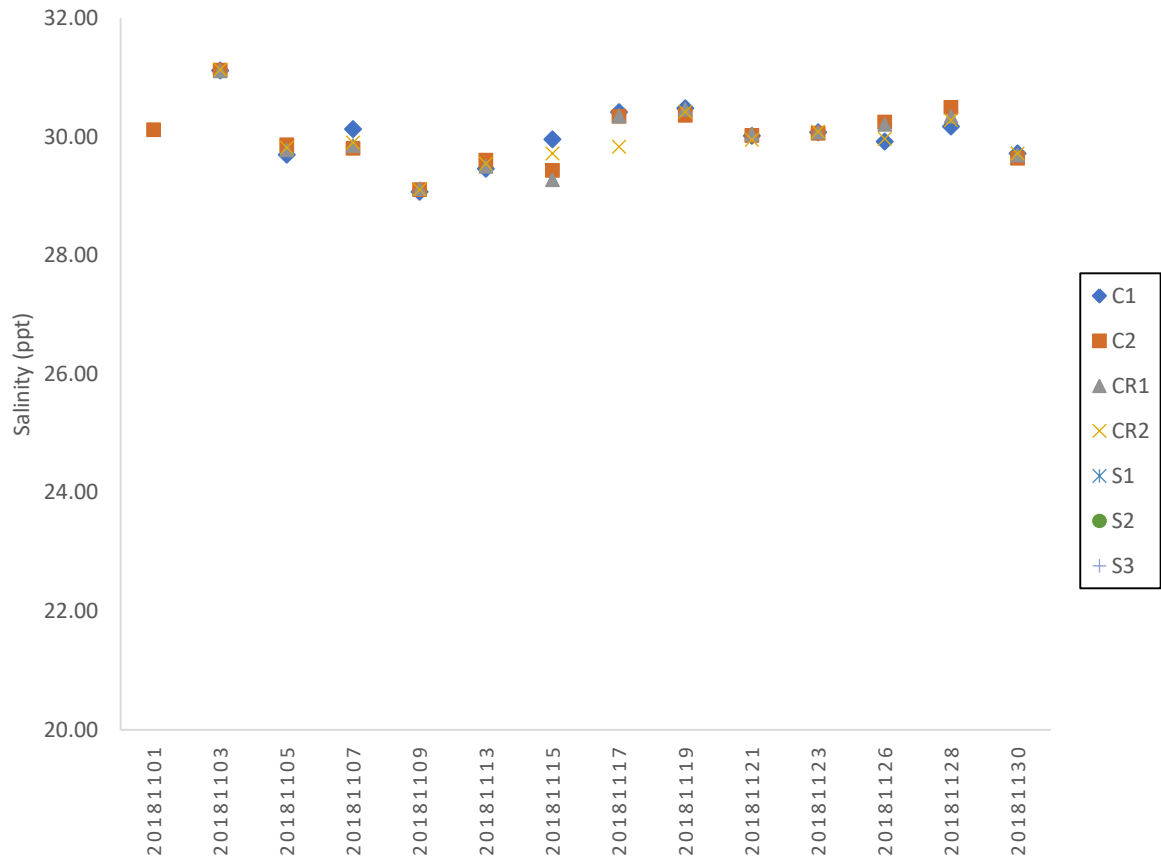


Note: The Action and Limit Level of Temperature can be referred to **Table 2.7** of the monthly EM &A report

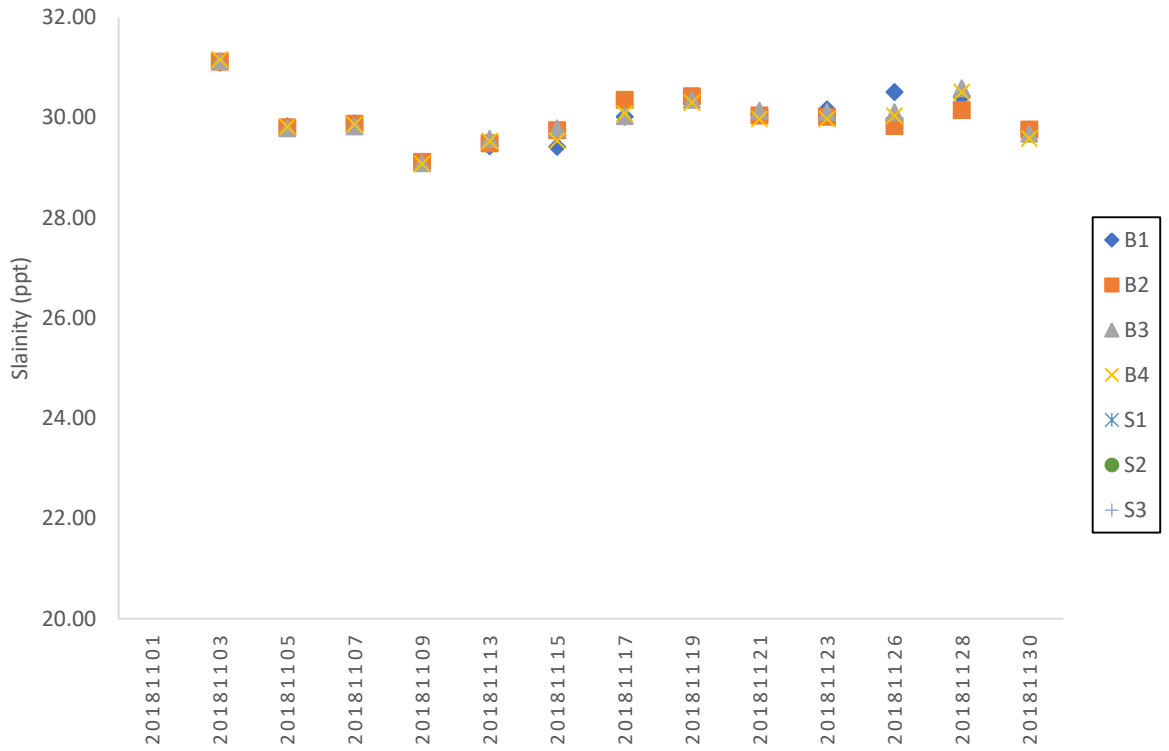
### Salinity (Depth-averaged) during Mid-Flood



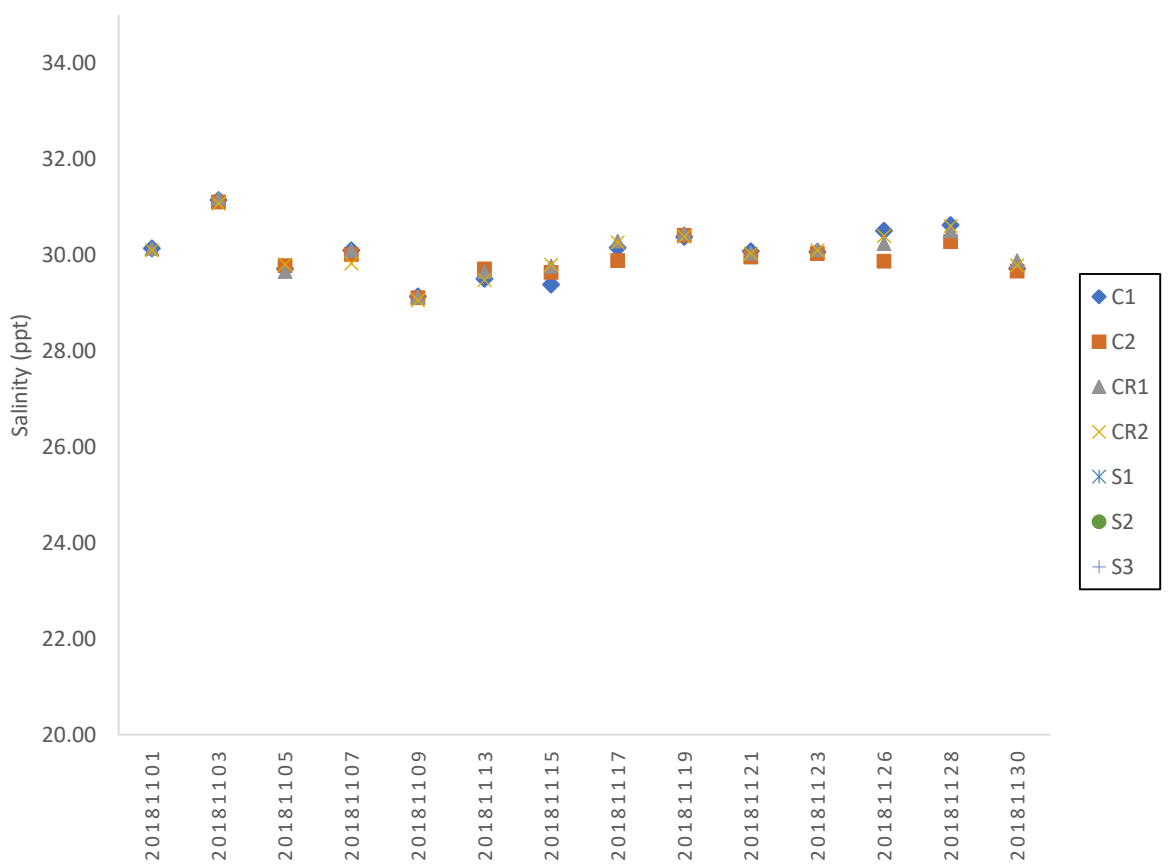
### Salinity (Depth-averaged) during Mid-Flood

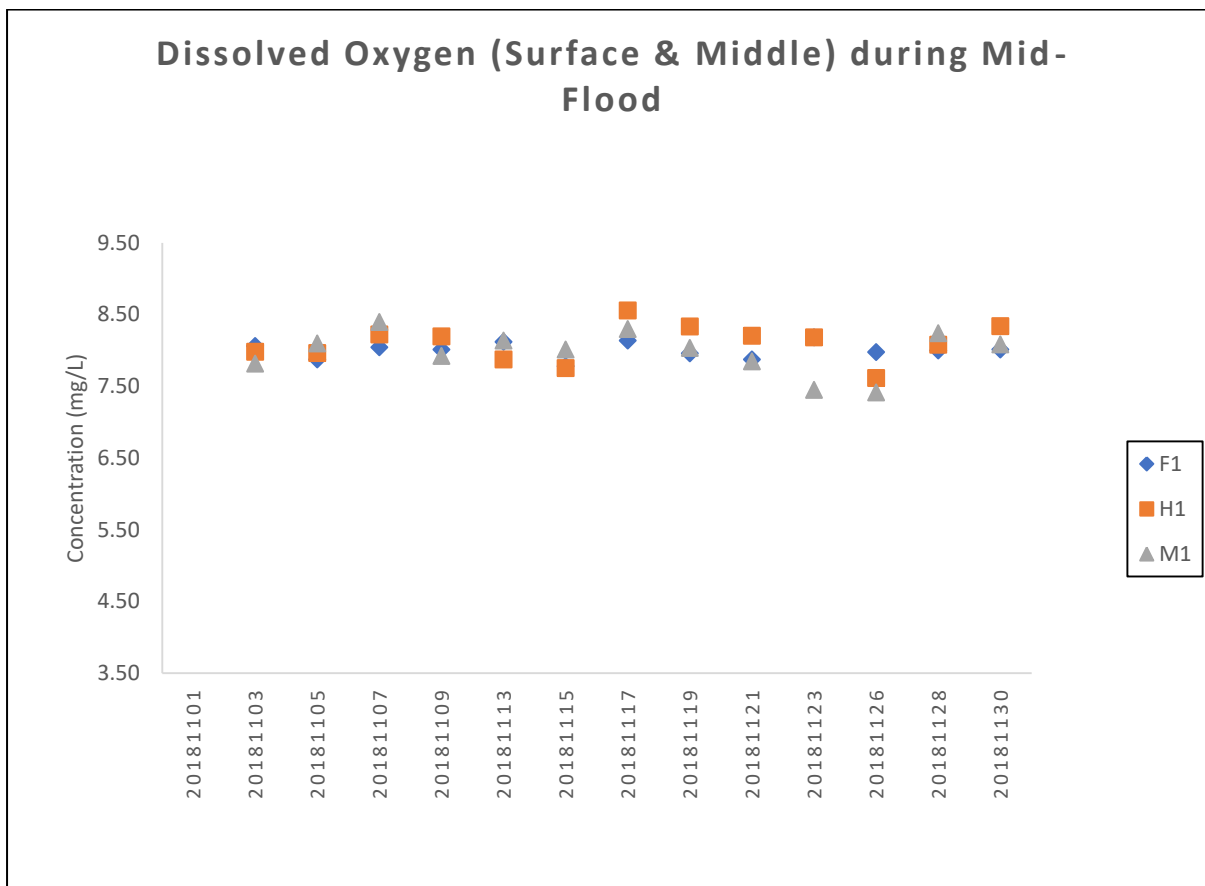
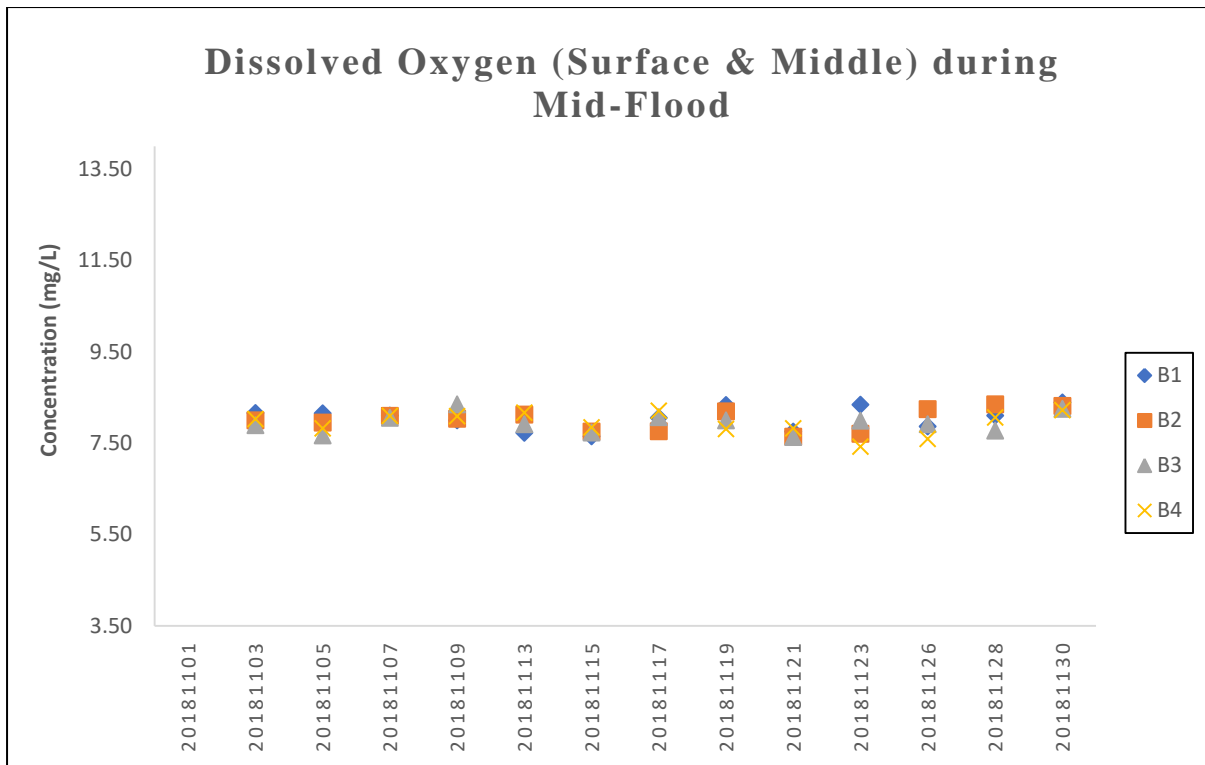


### Salinity (Depth-averaged) during Mid-Ebb



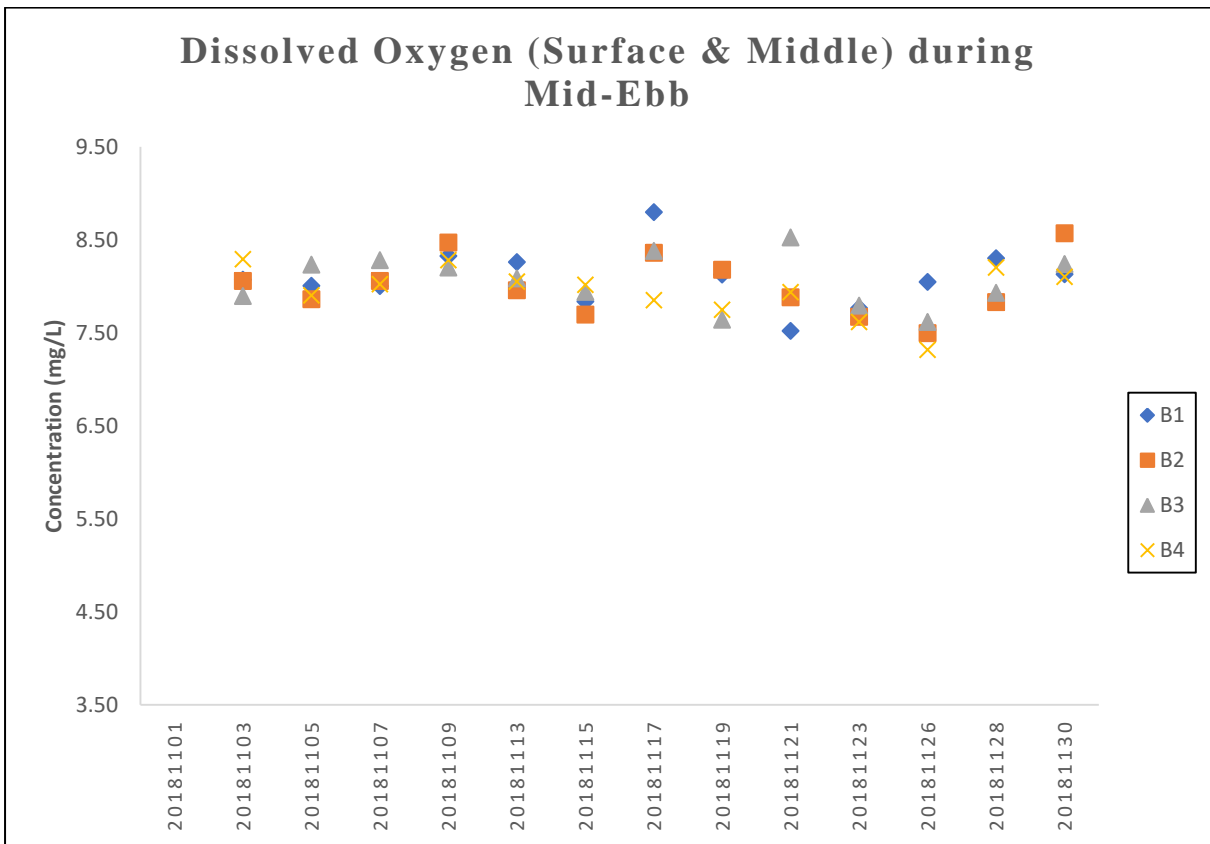
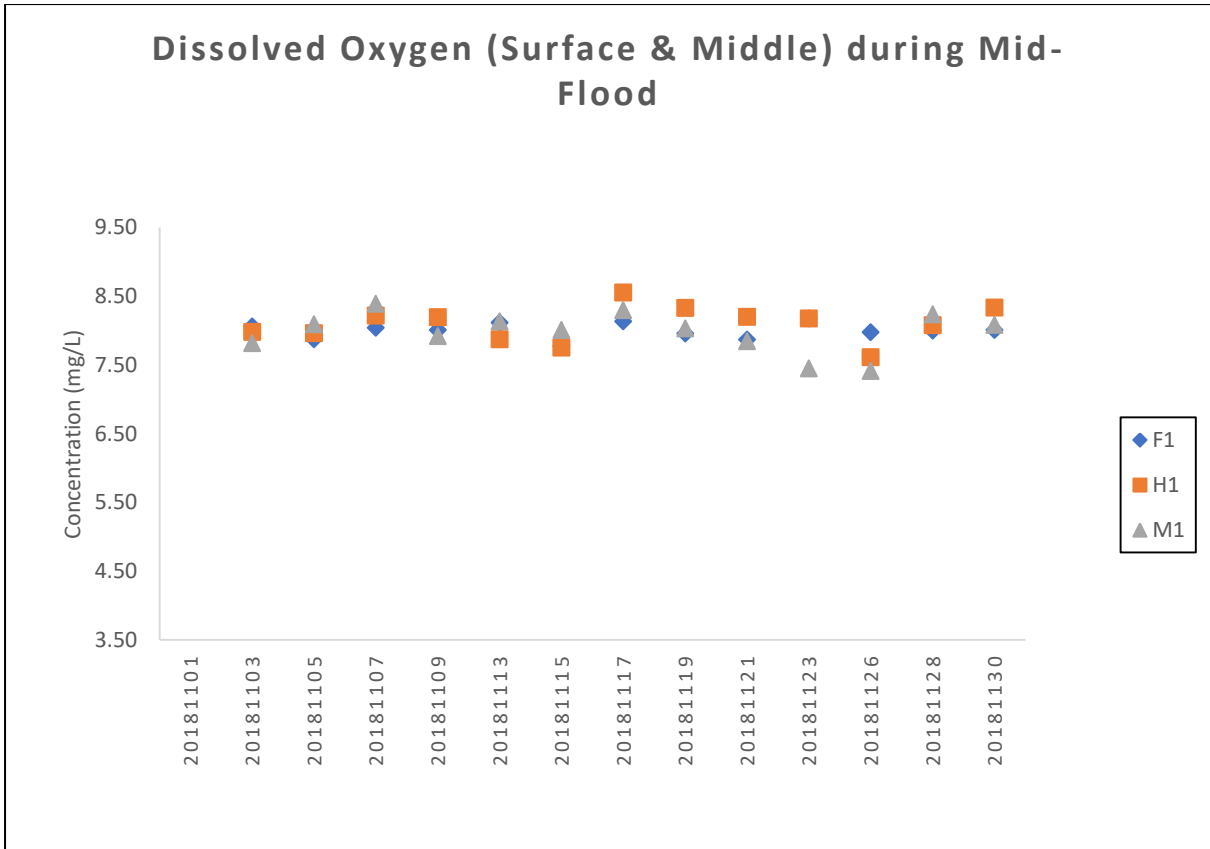
### Salinity (Depth-averaged) during Mid-Ebb



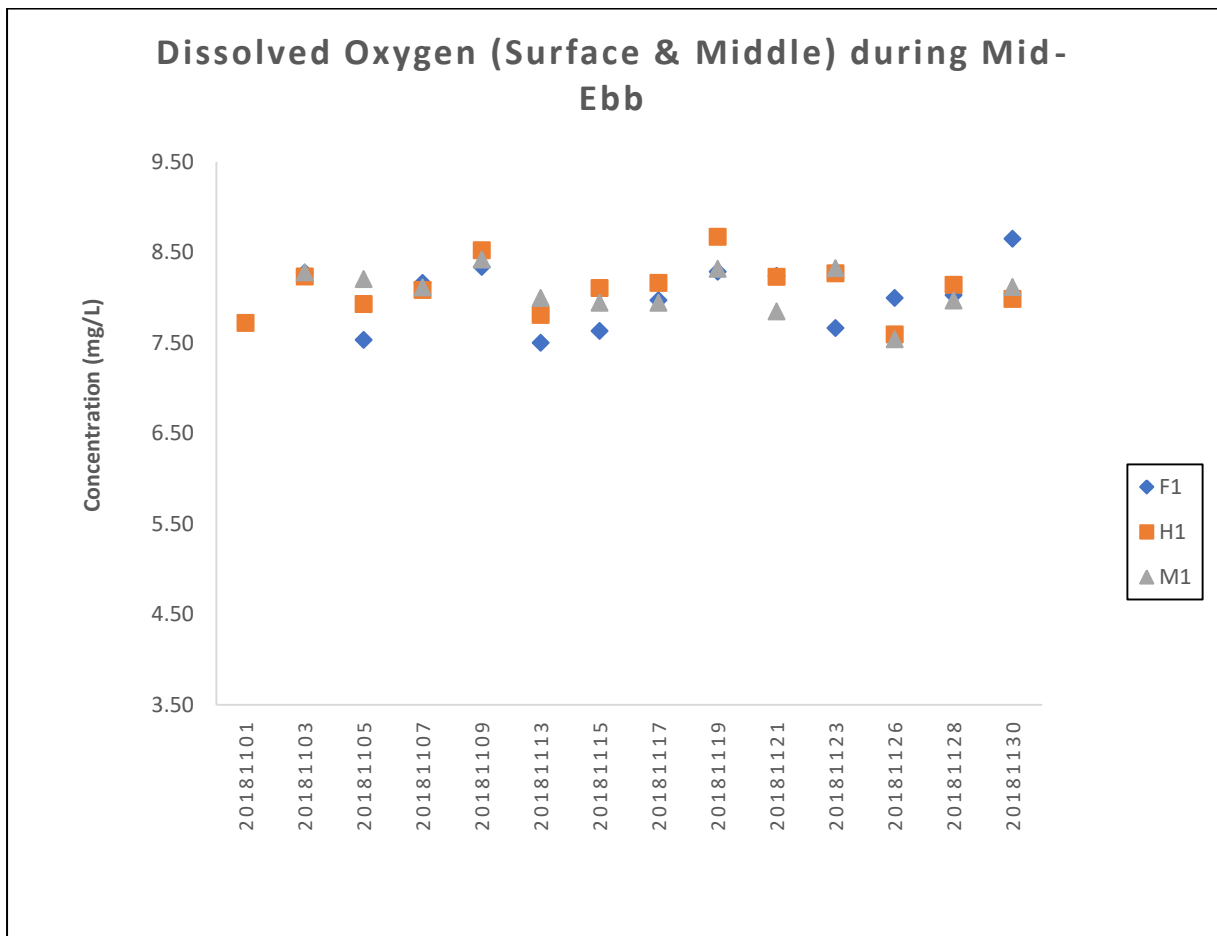
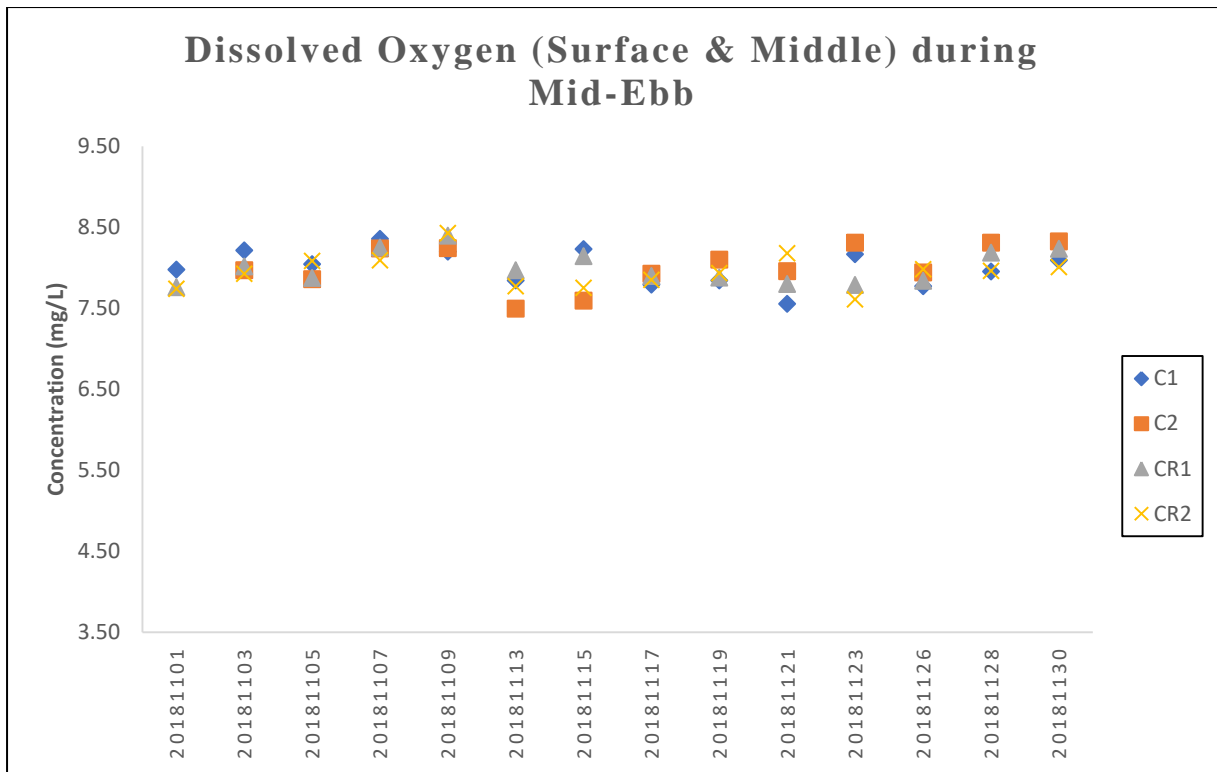


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

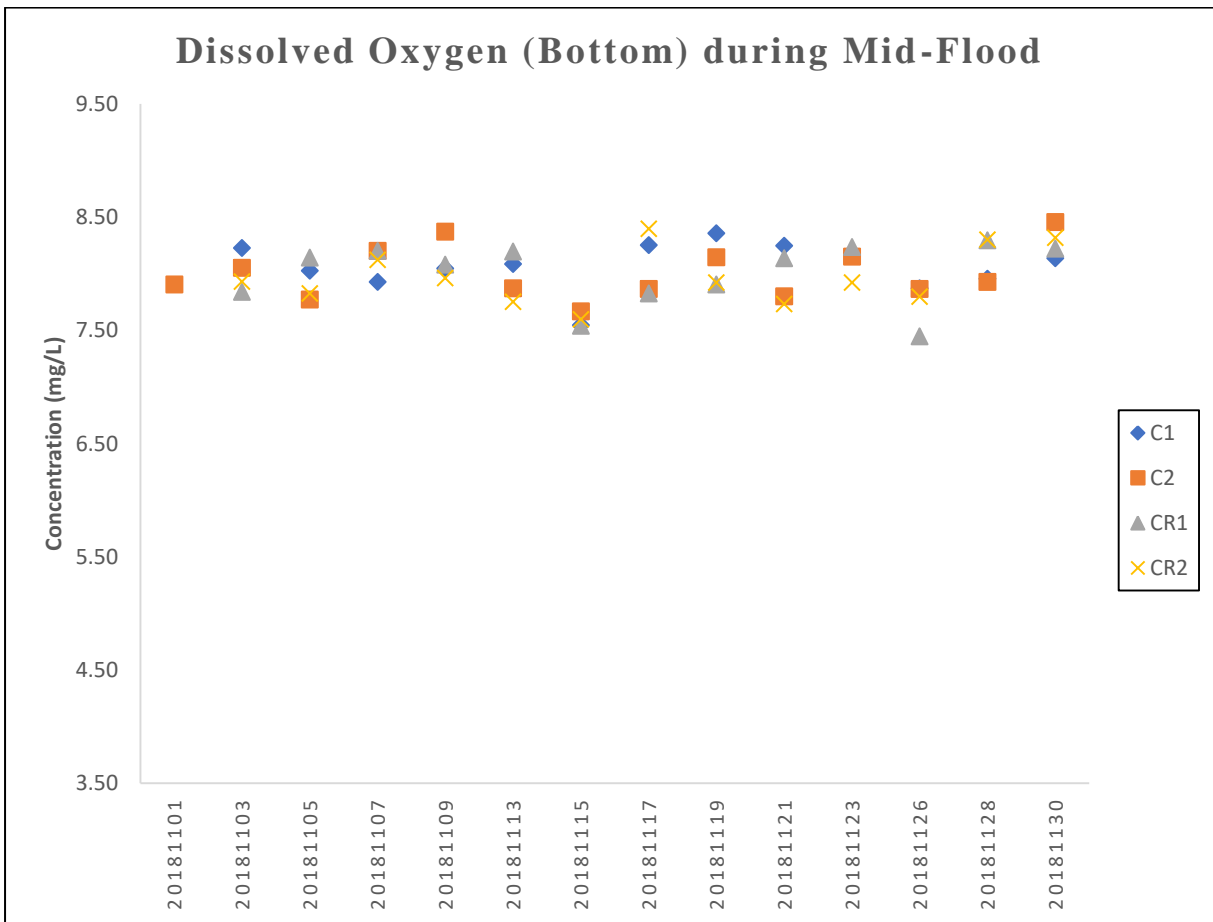
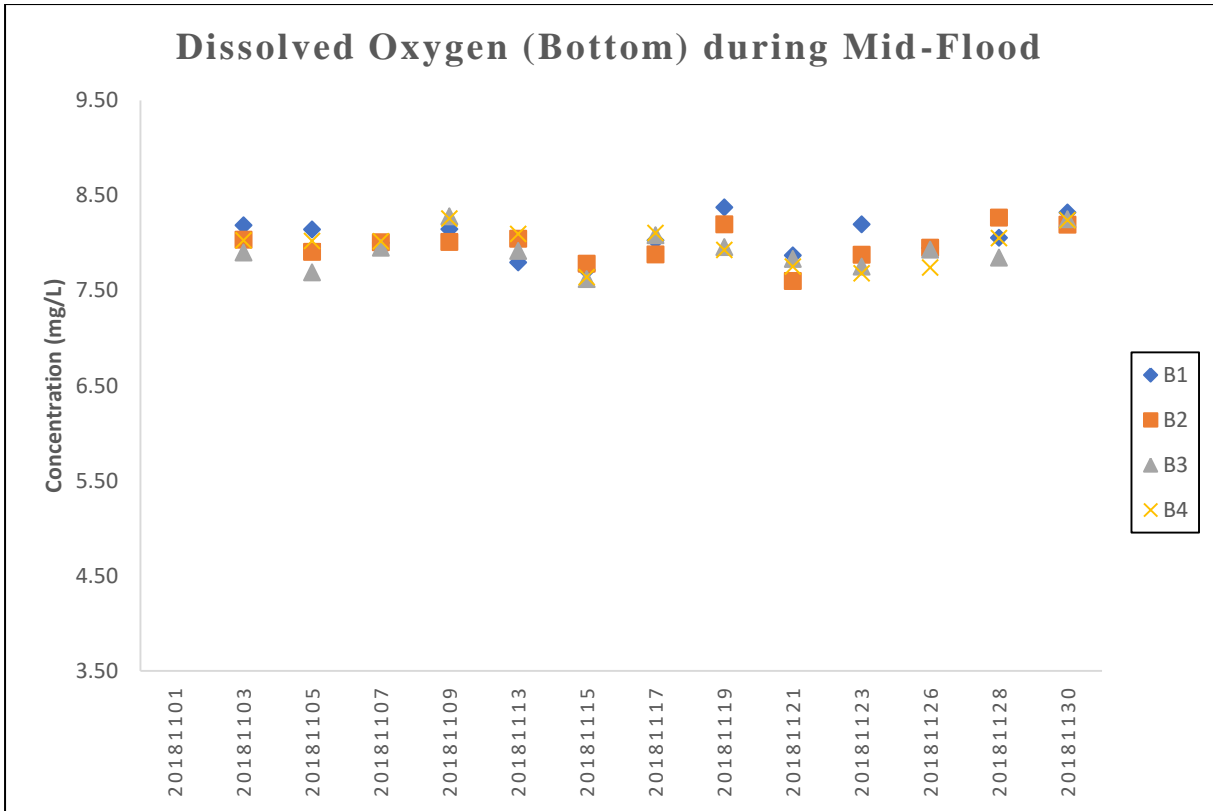




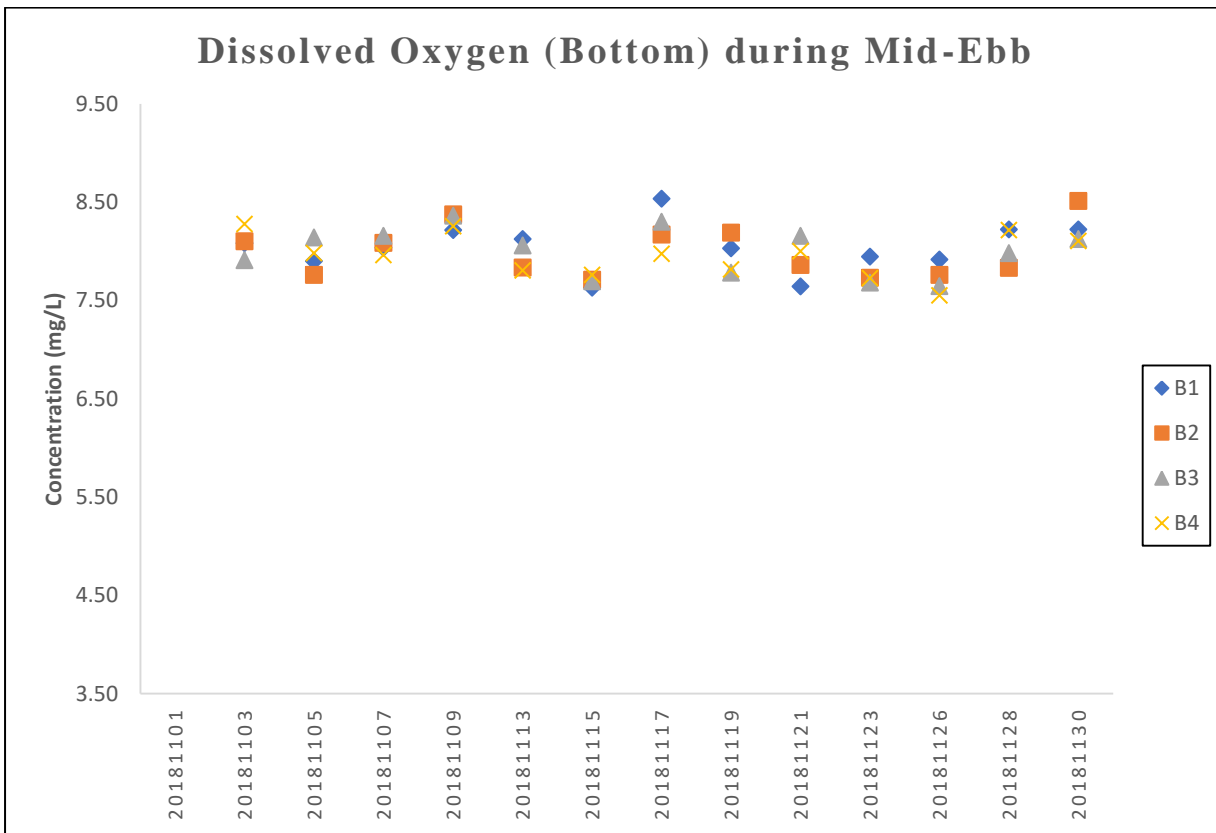
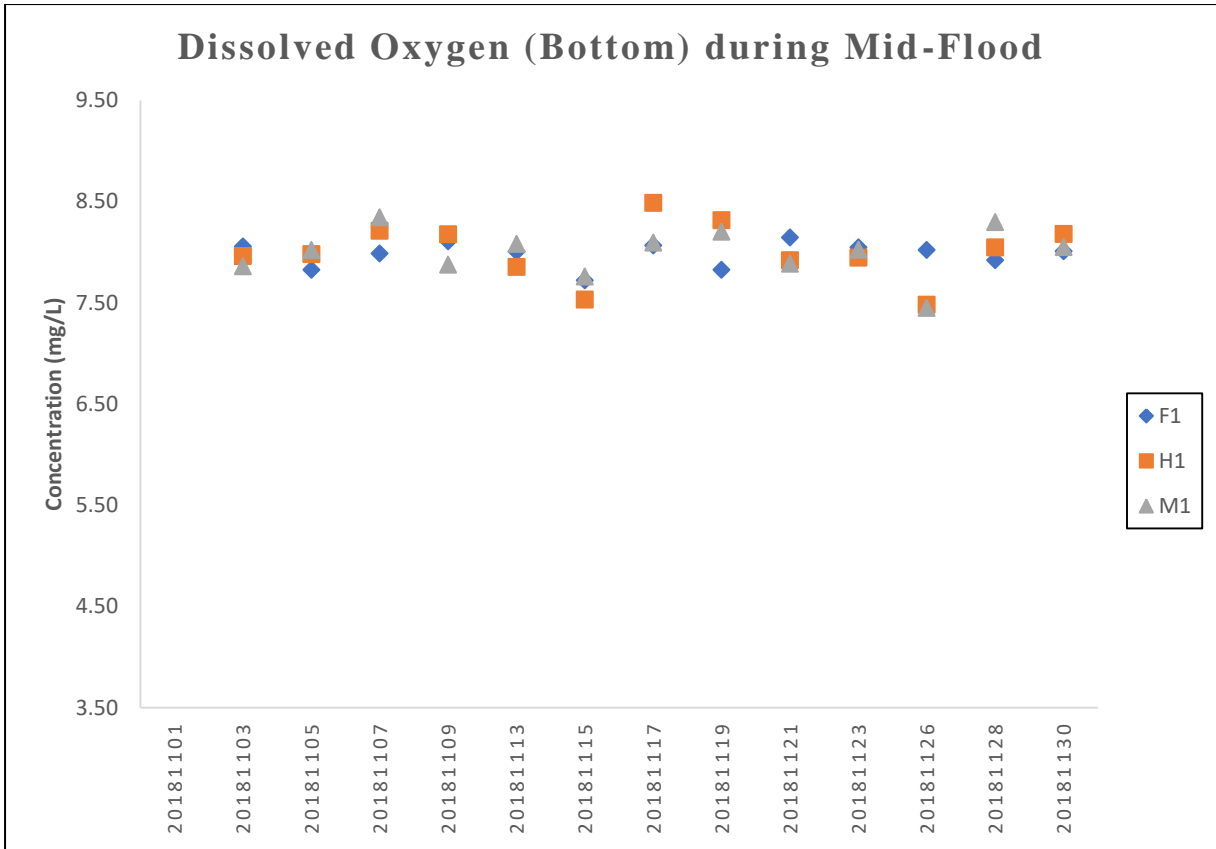
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



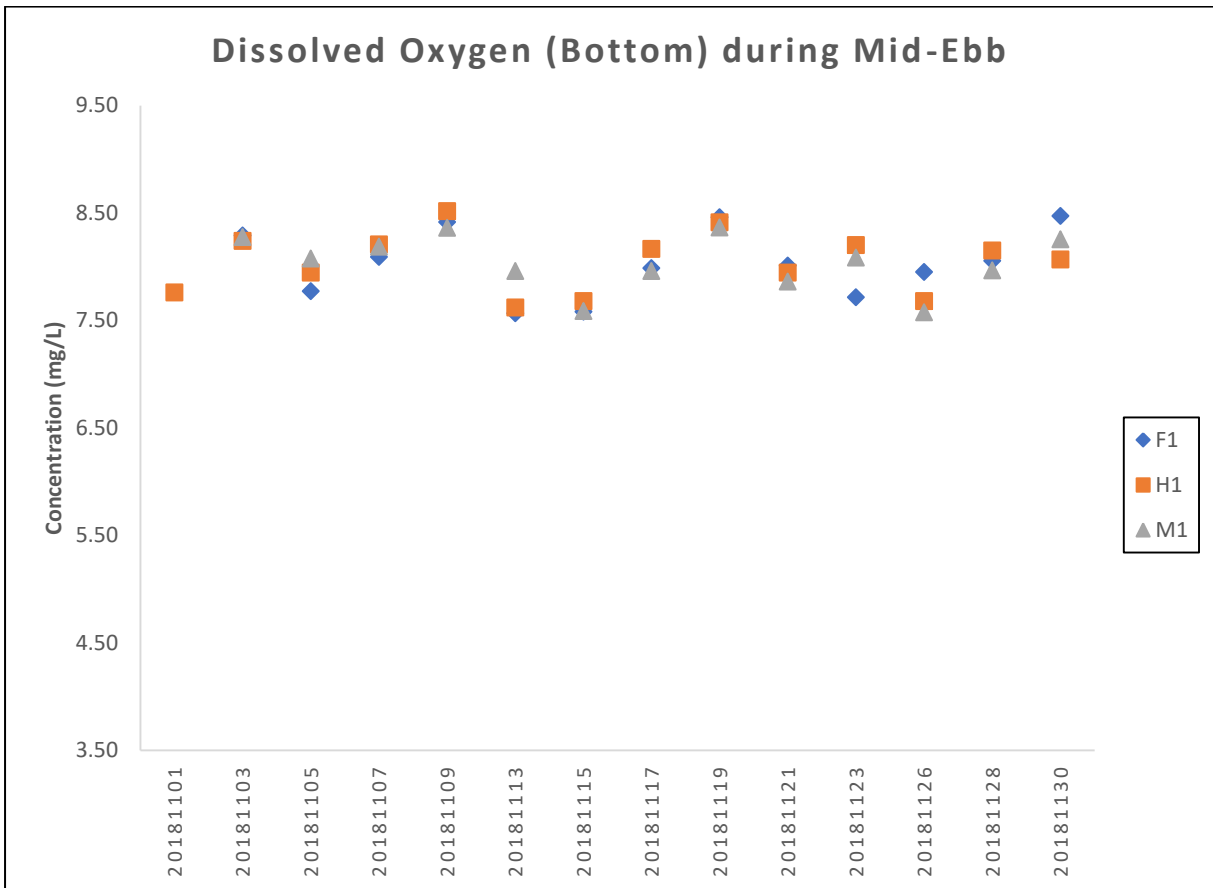
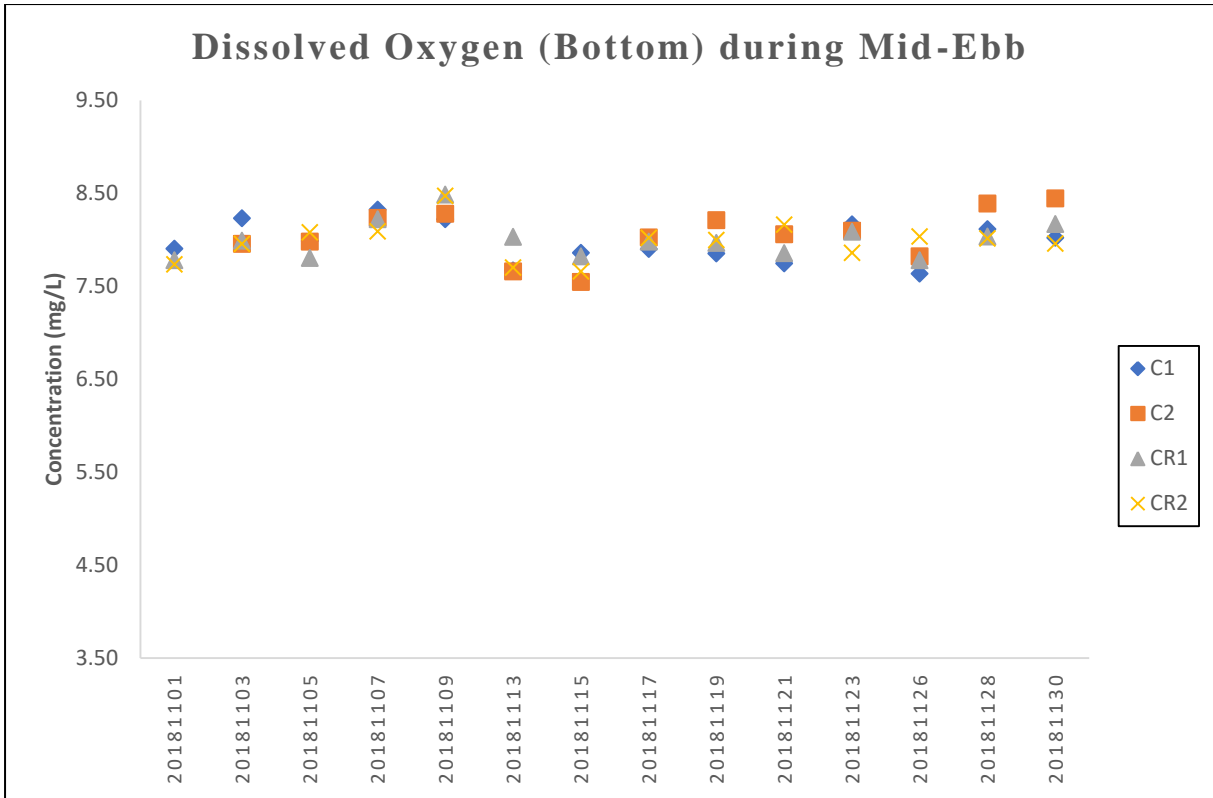
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.



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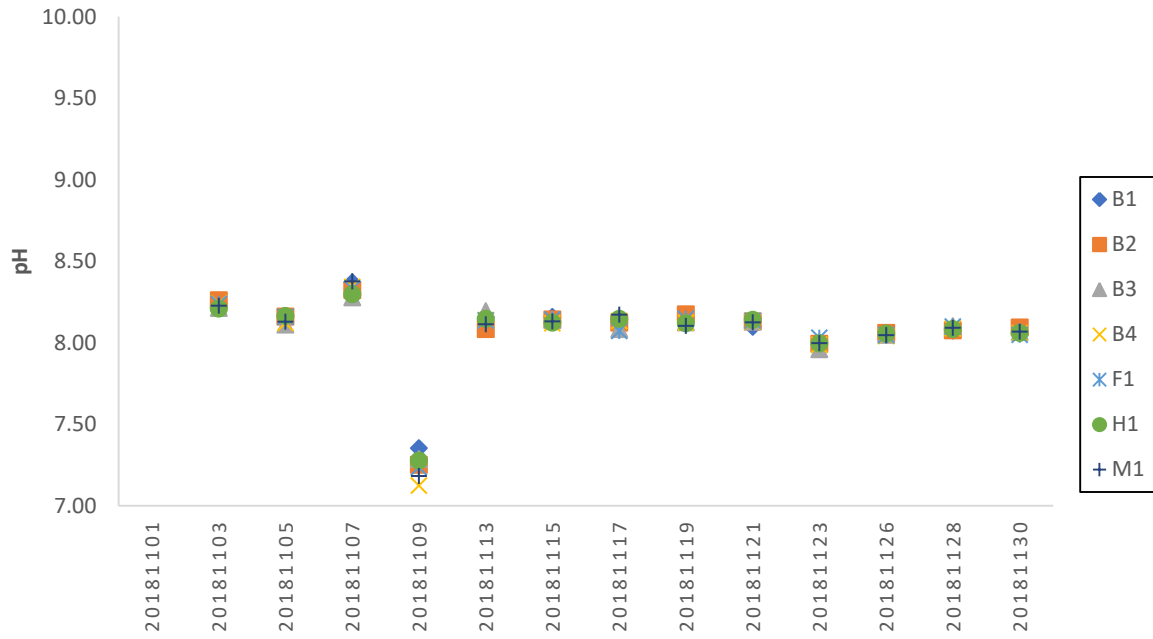


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

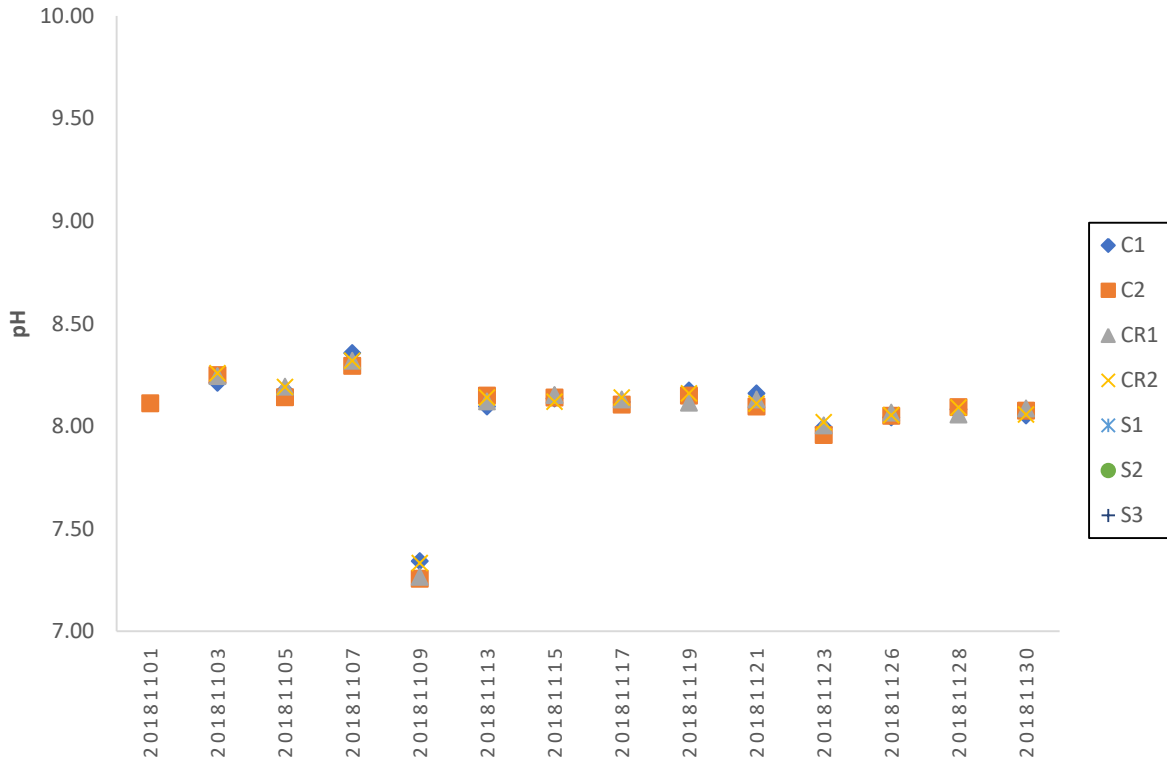


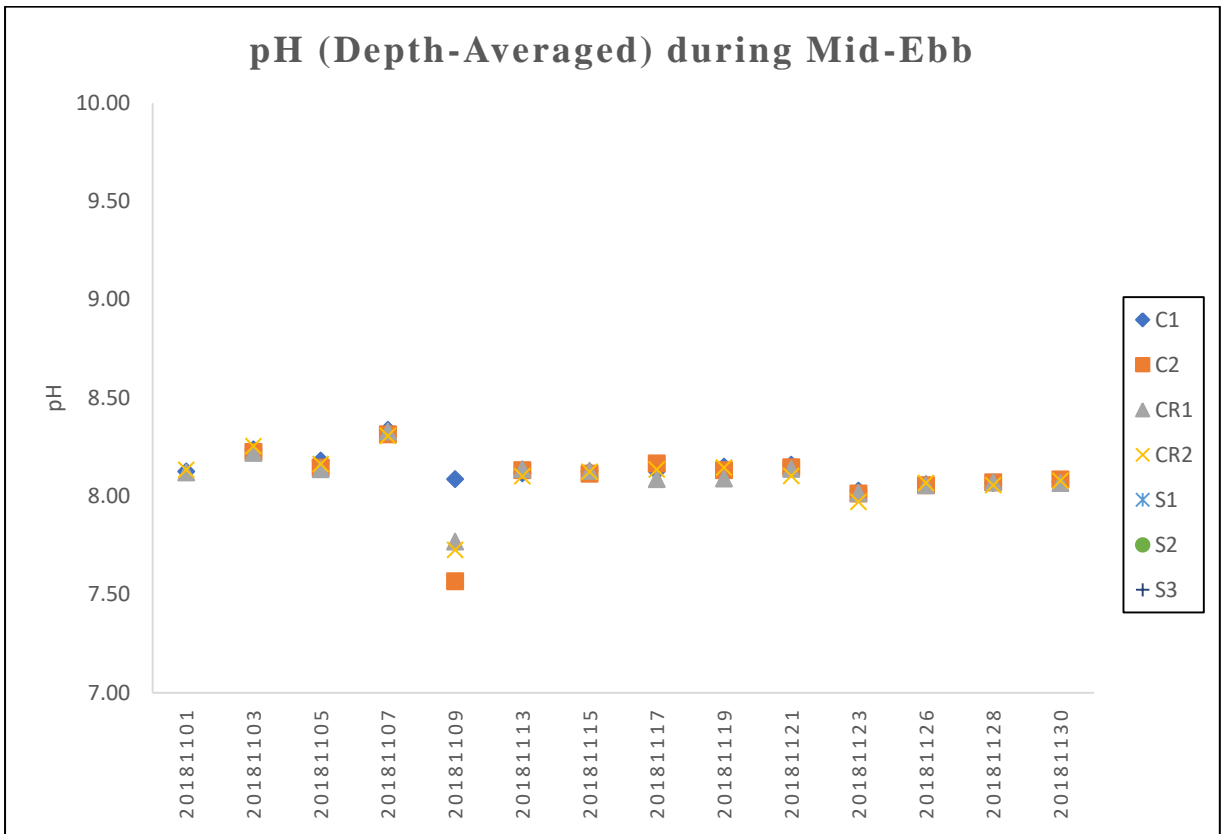
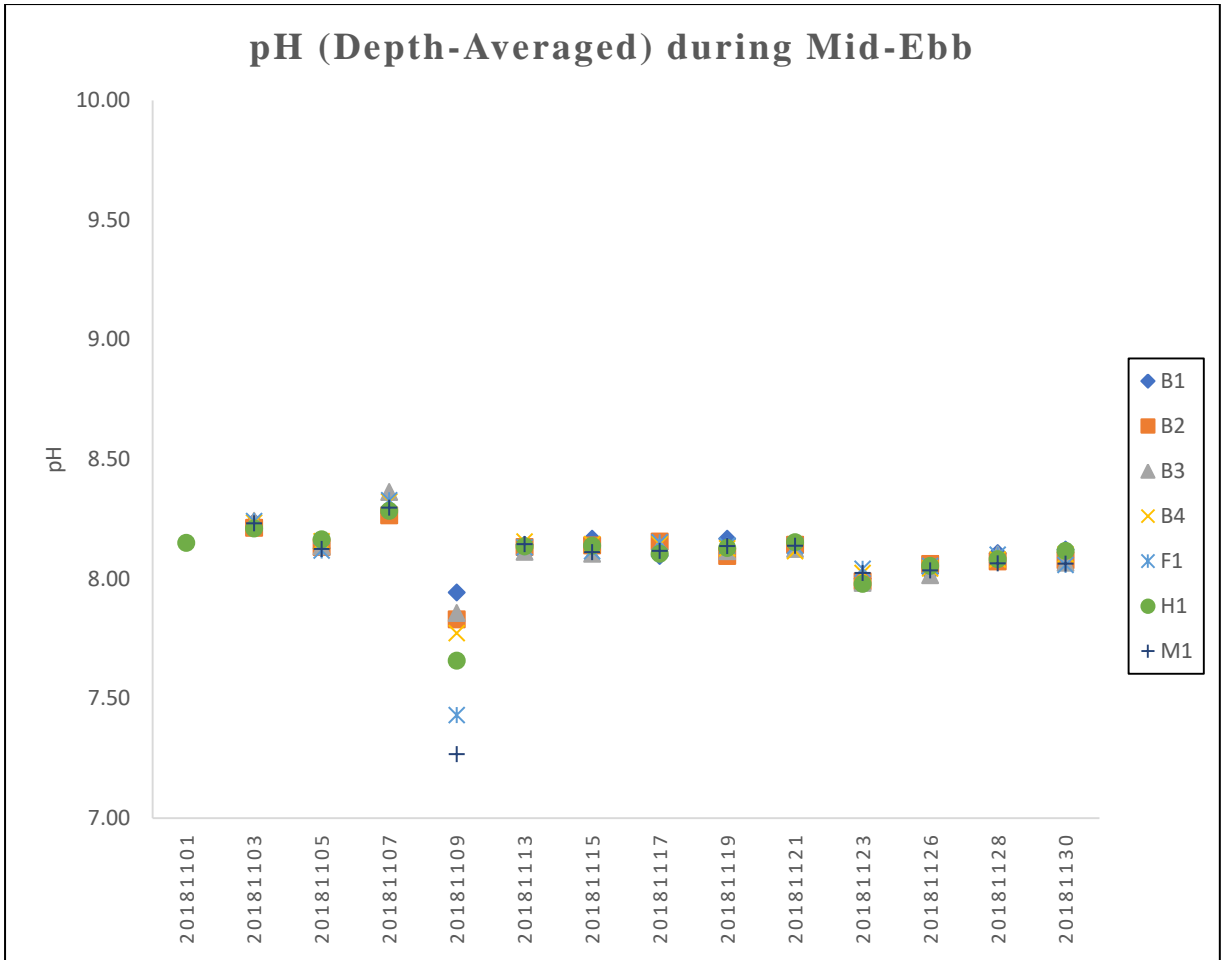
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** of the monthly EM & A report.

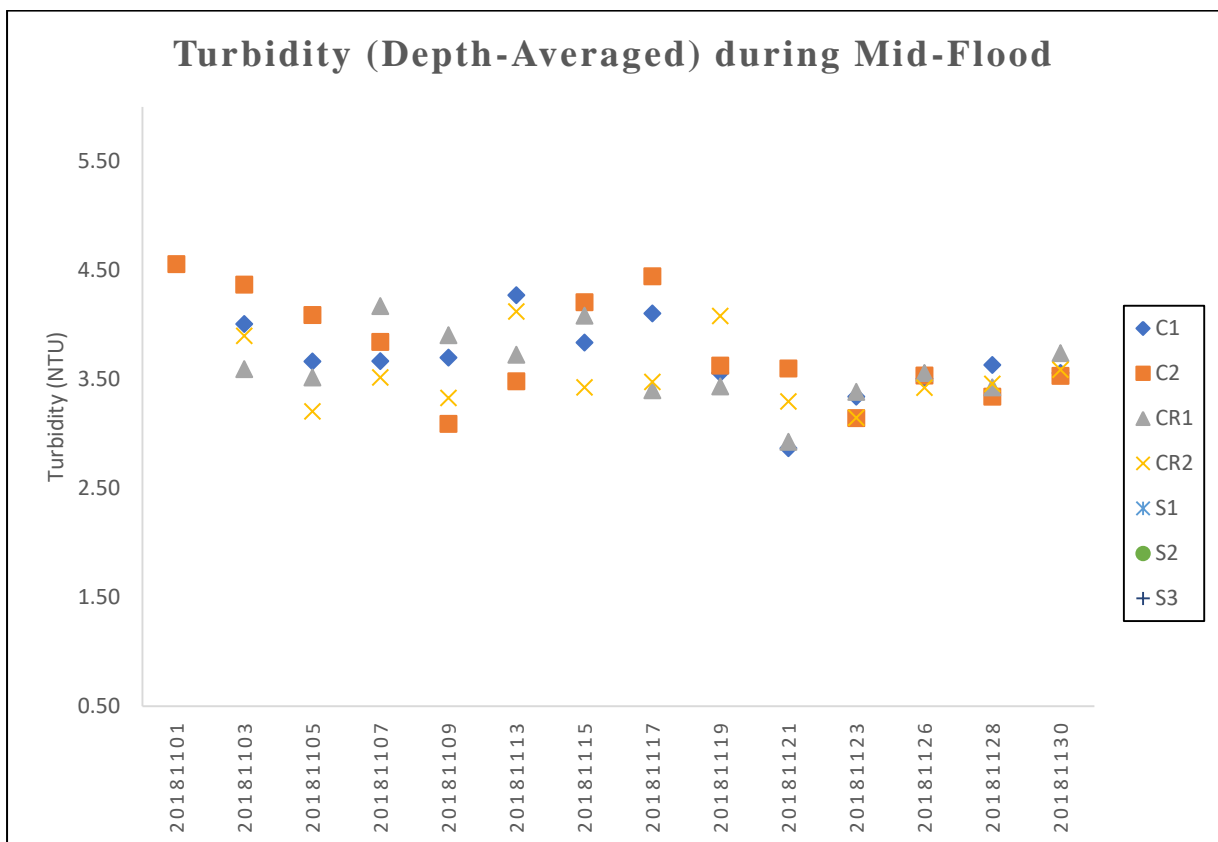
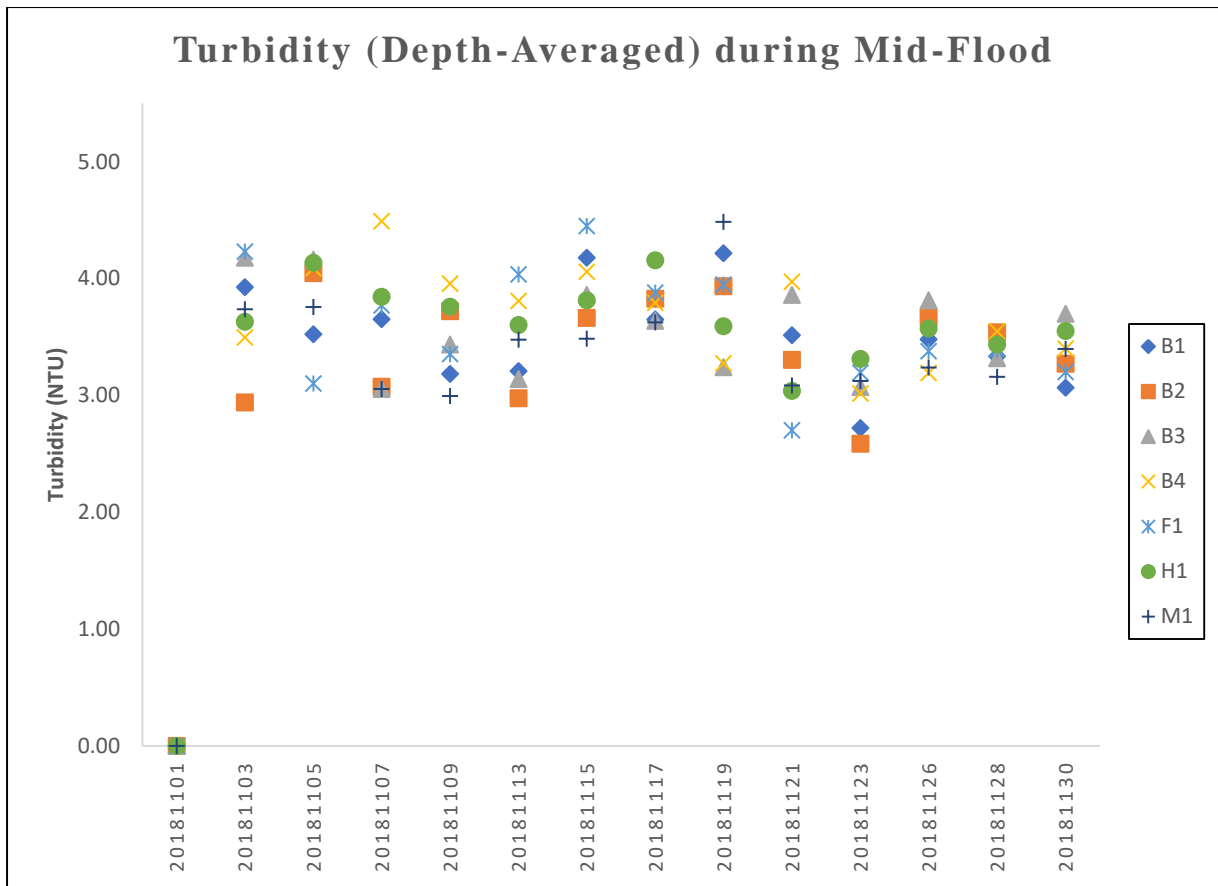
### pH (Depth-Averaged) during Mid-Flood



### pH (Depth-Averaged) during Mid-Flood



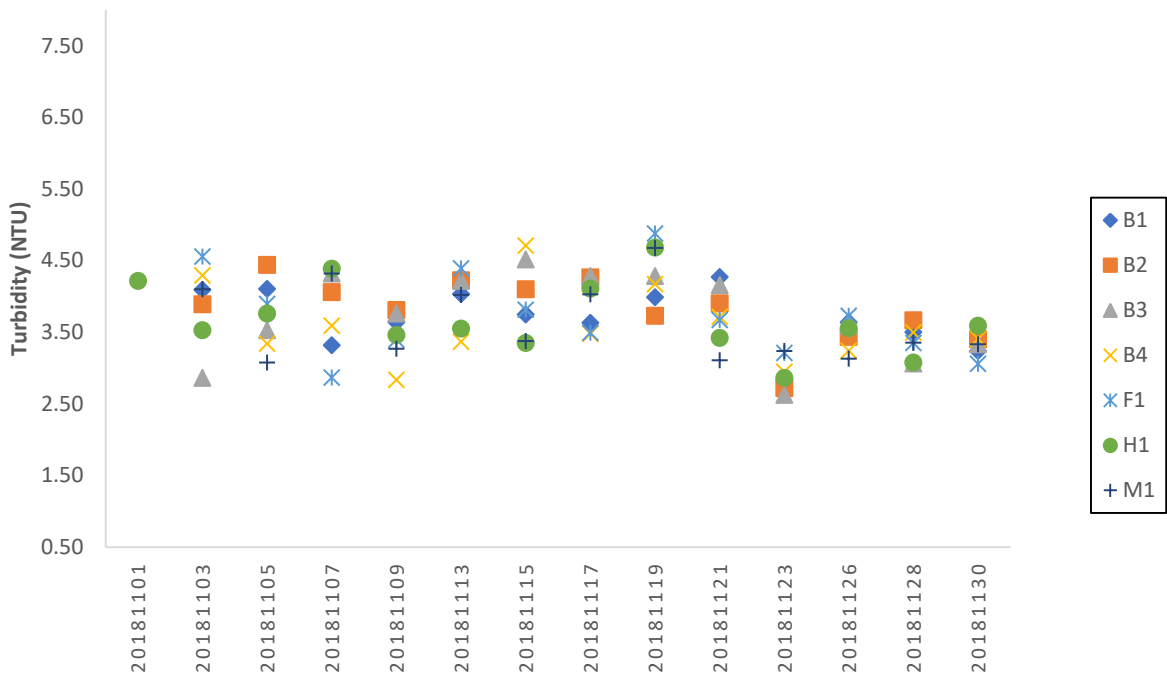




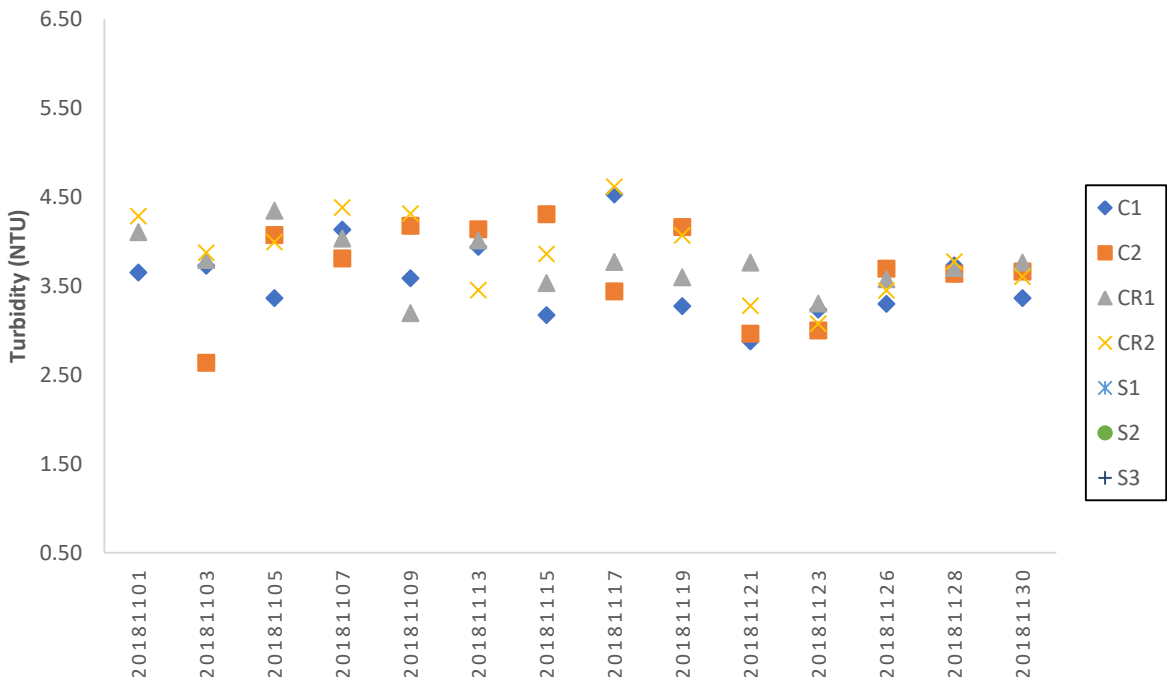
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** of the monthly EM & A report.



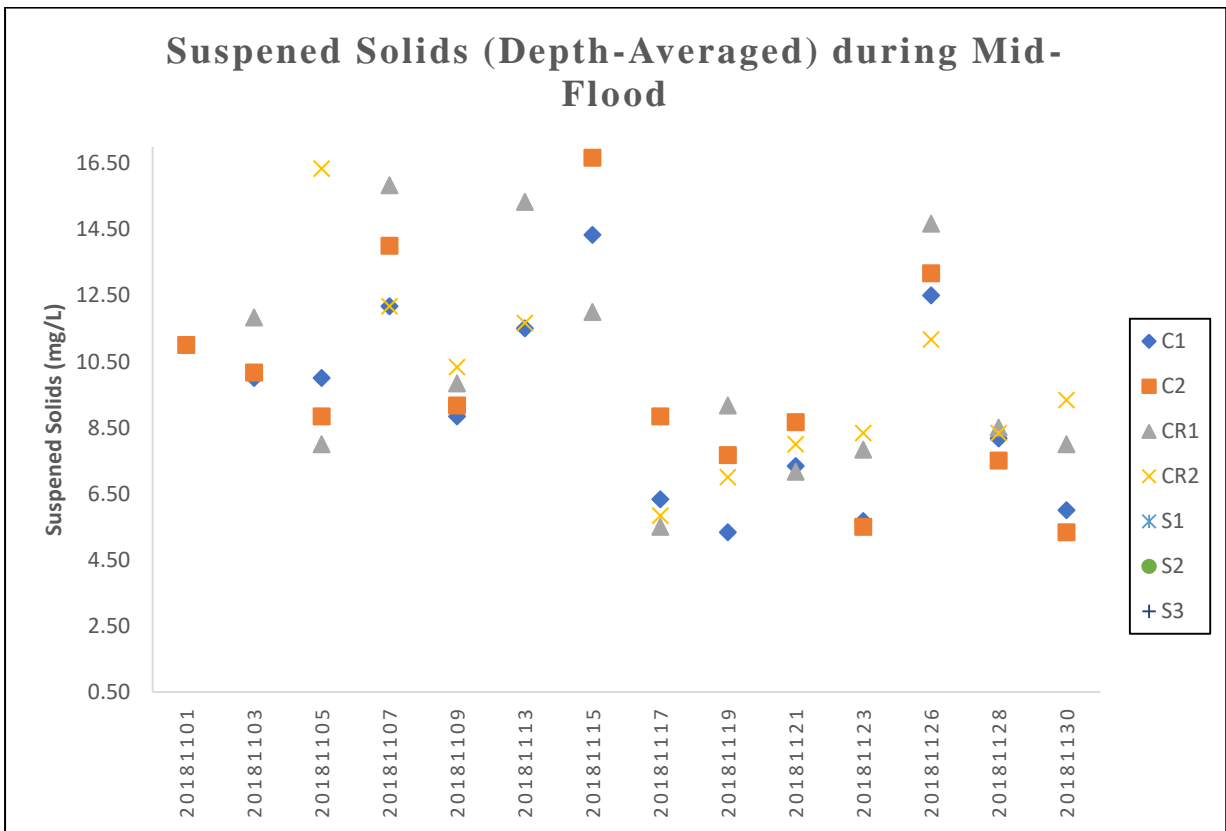
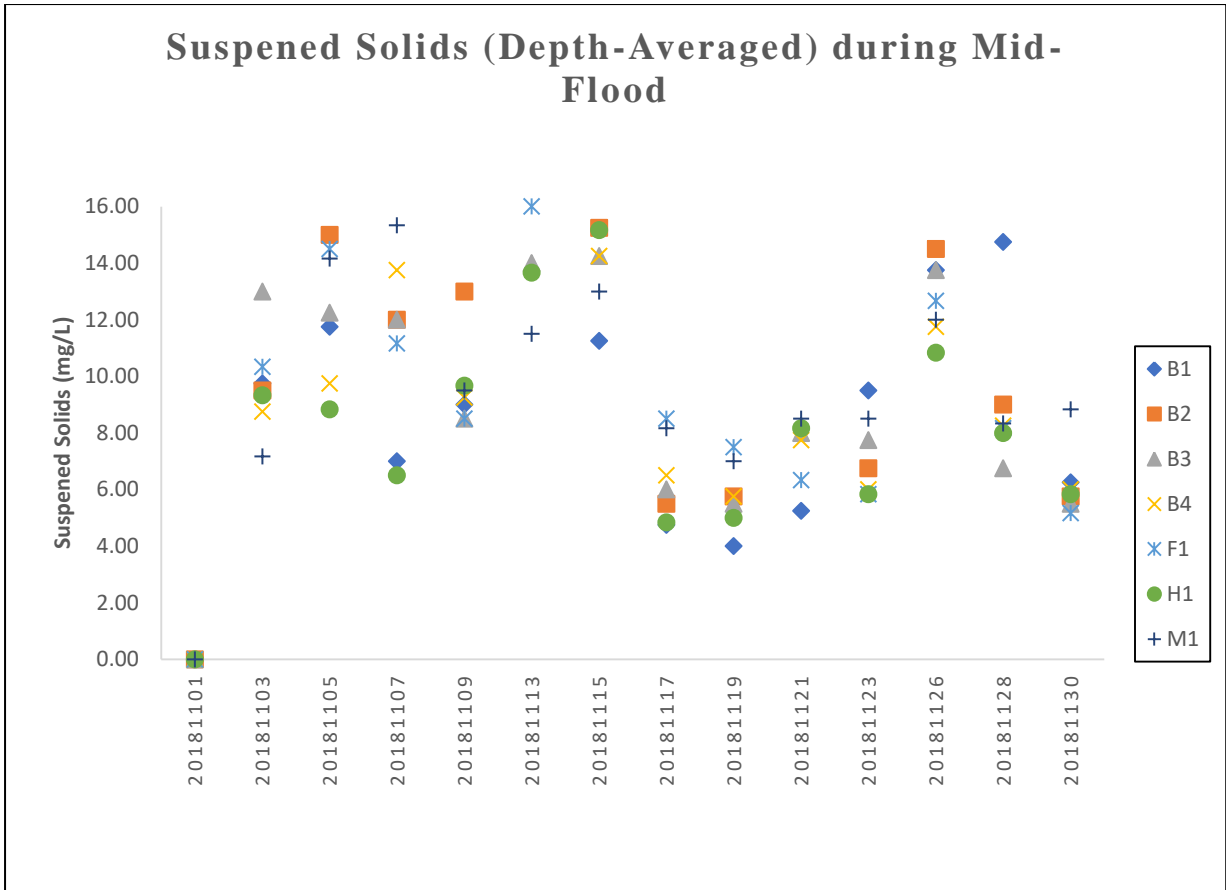
### Turbidity (Depth-Averaged) during Mib-Ebb



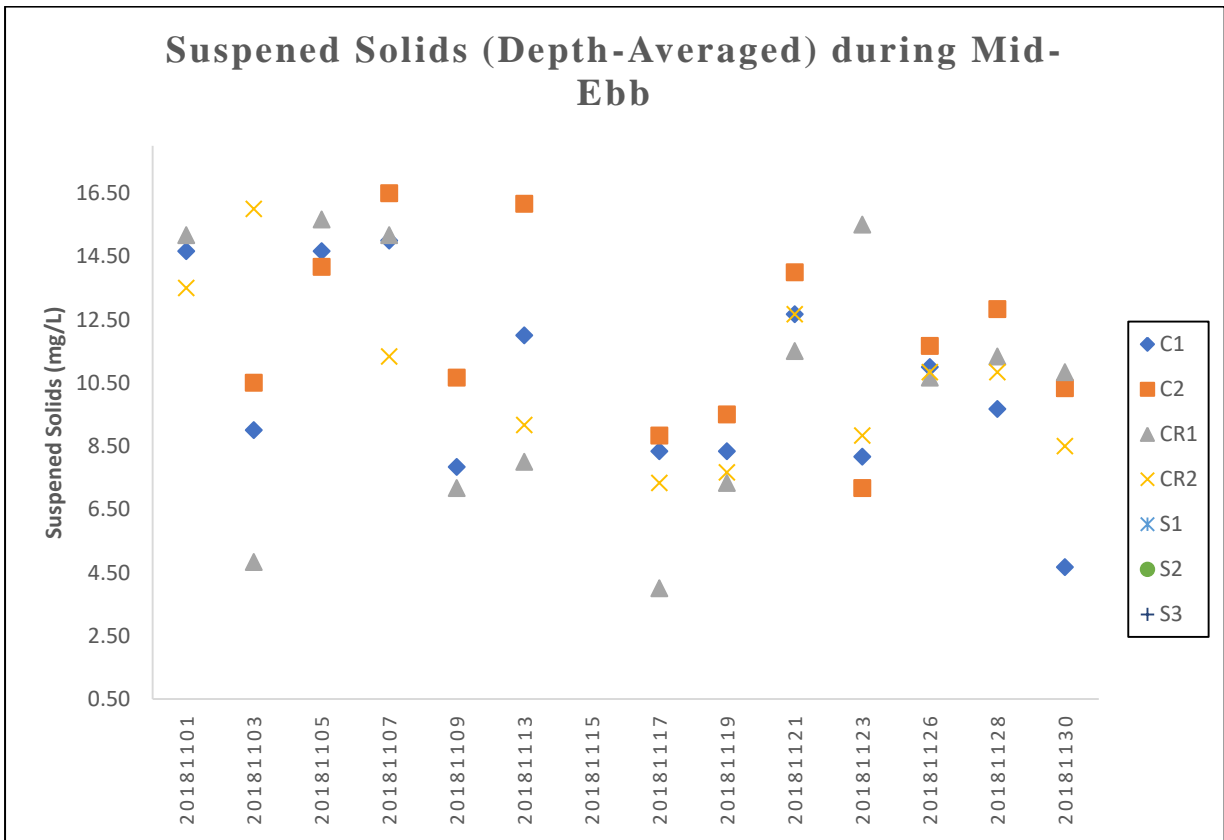
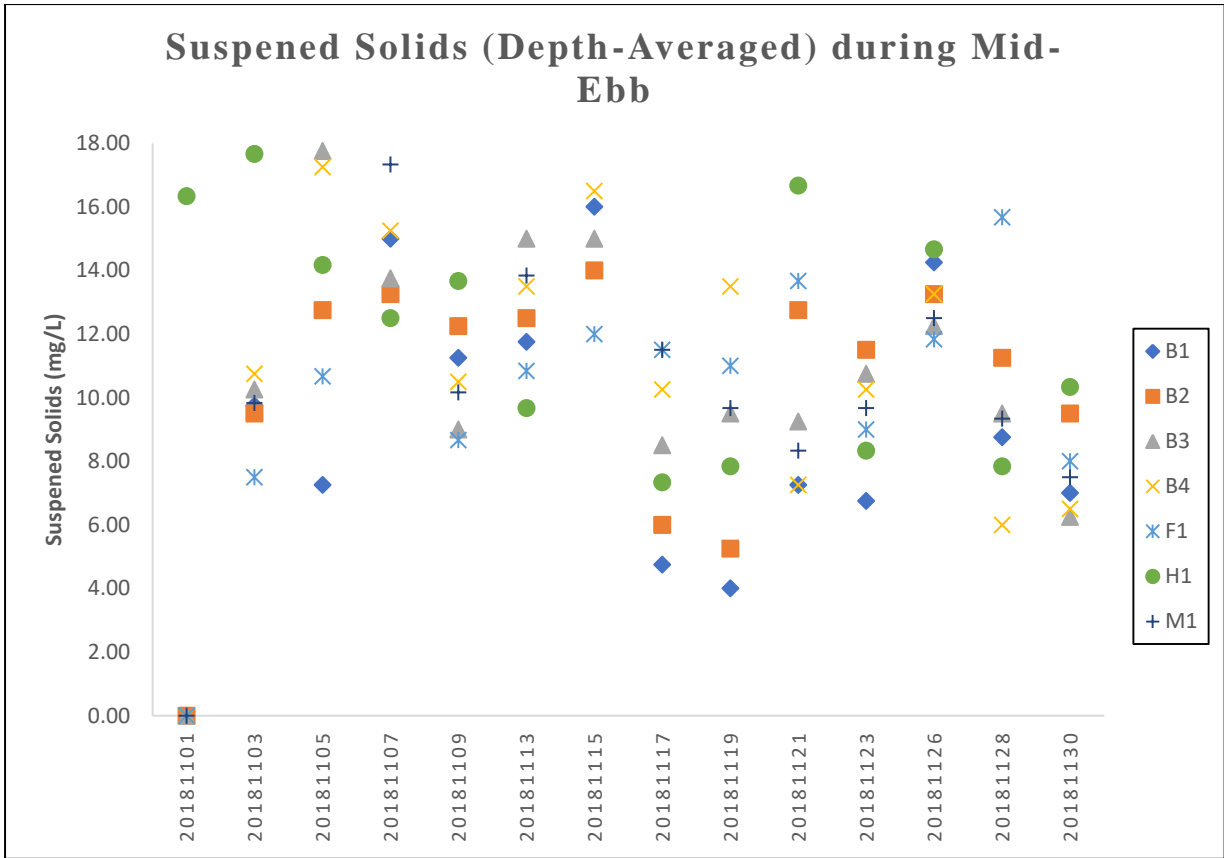
### Turbidity (Depth-Averaged) during Mid-Ebb



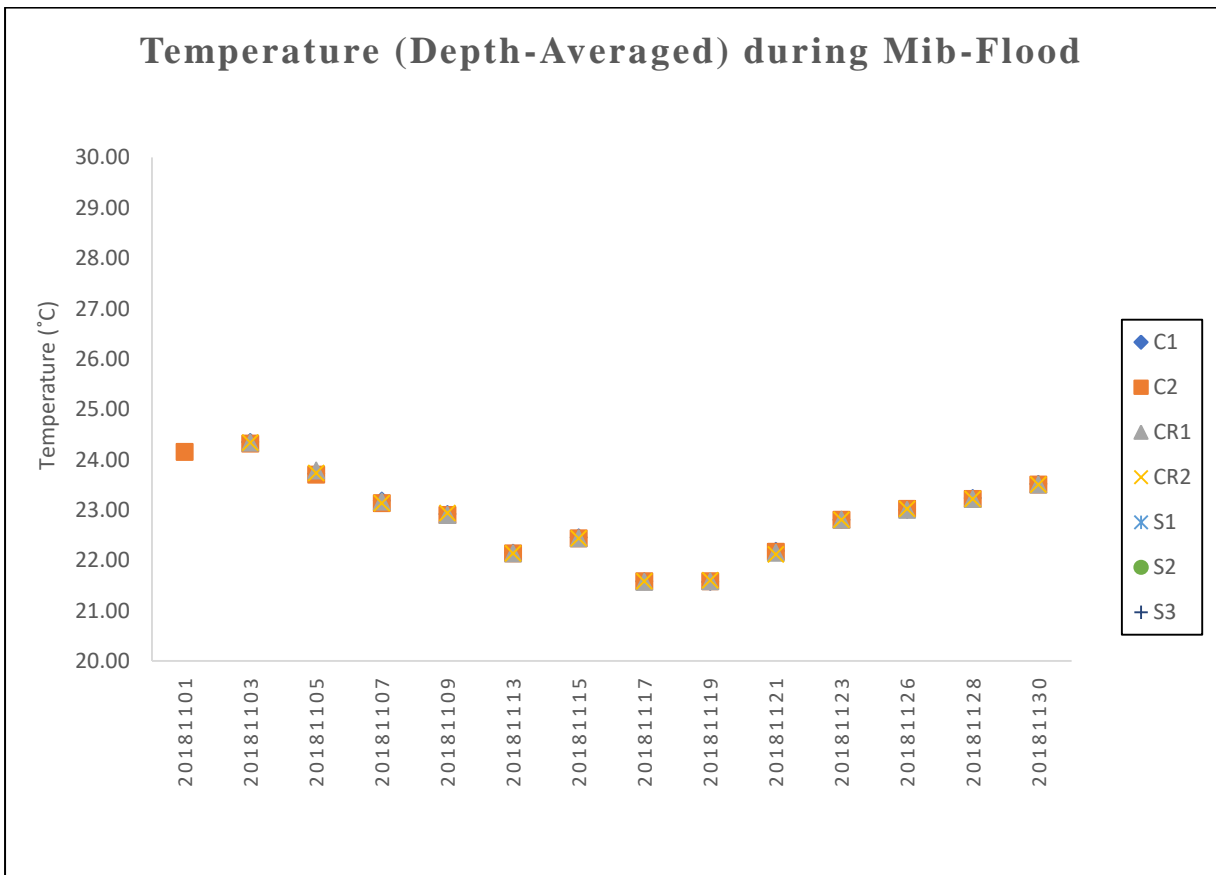
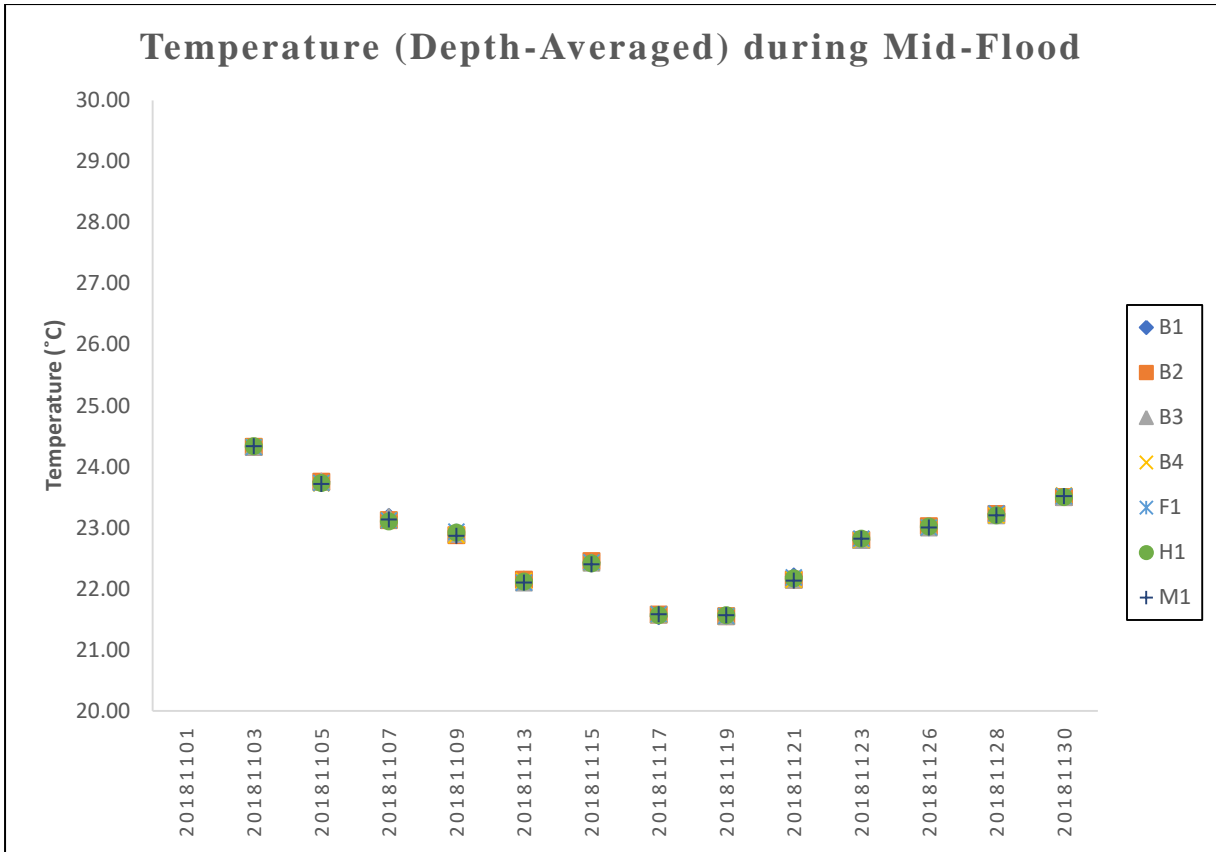
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** of the monthly EM & A report.



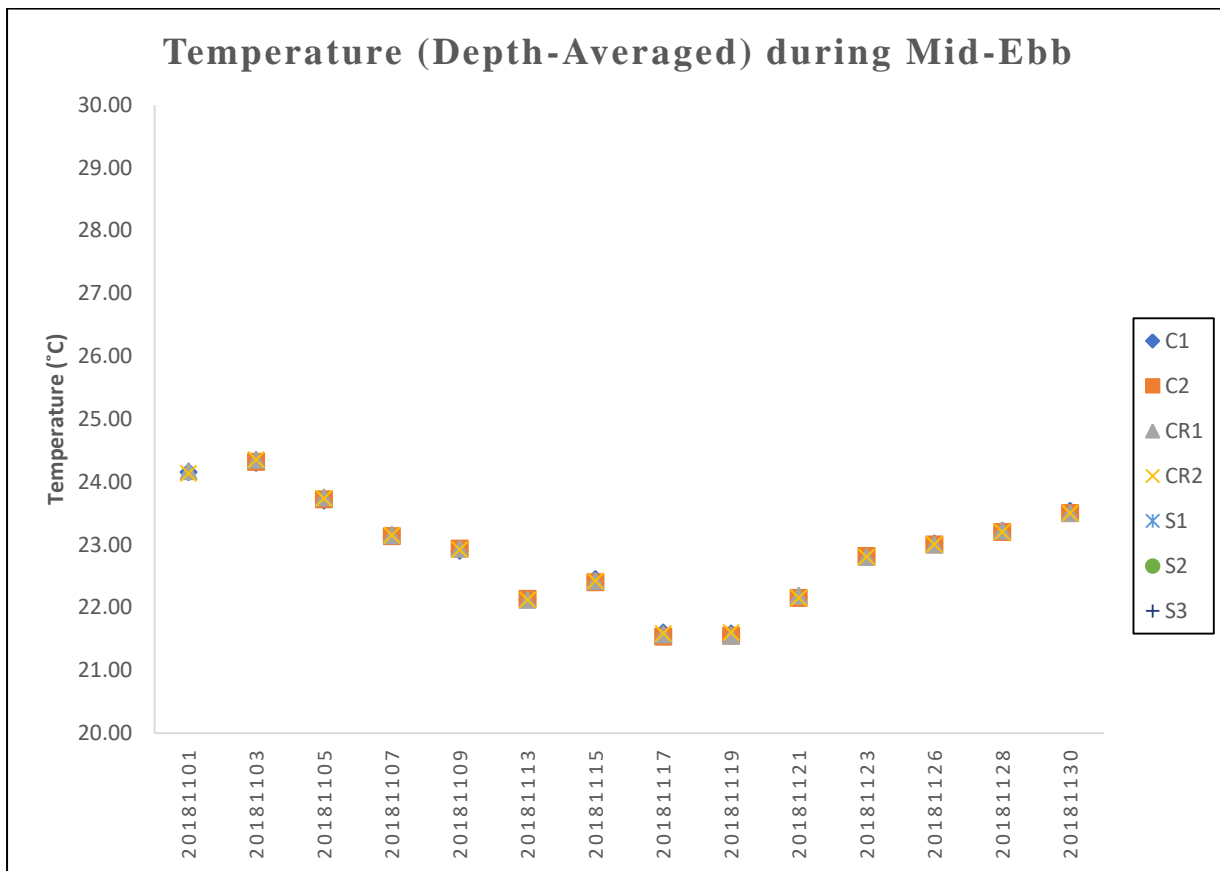
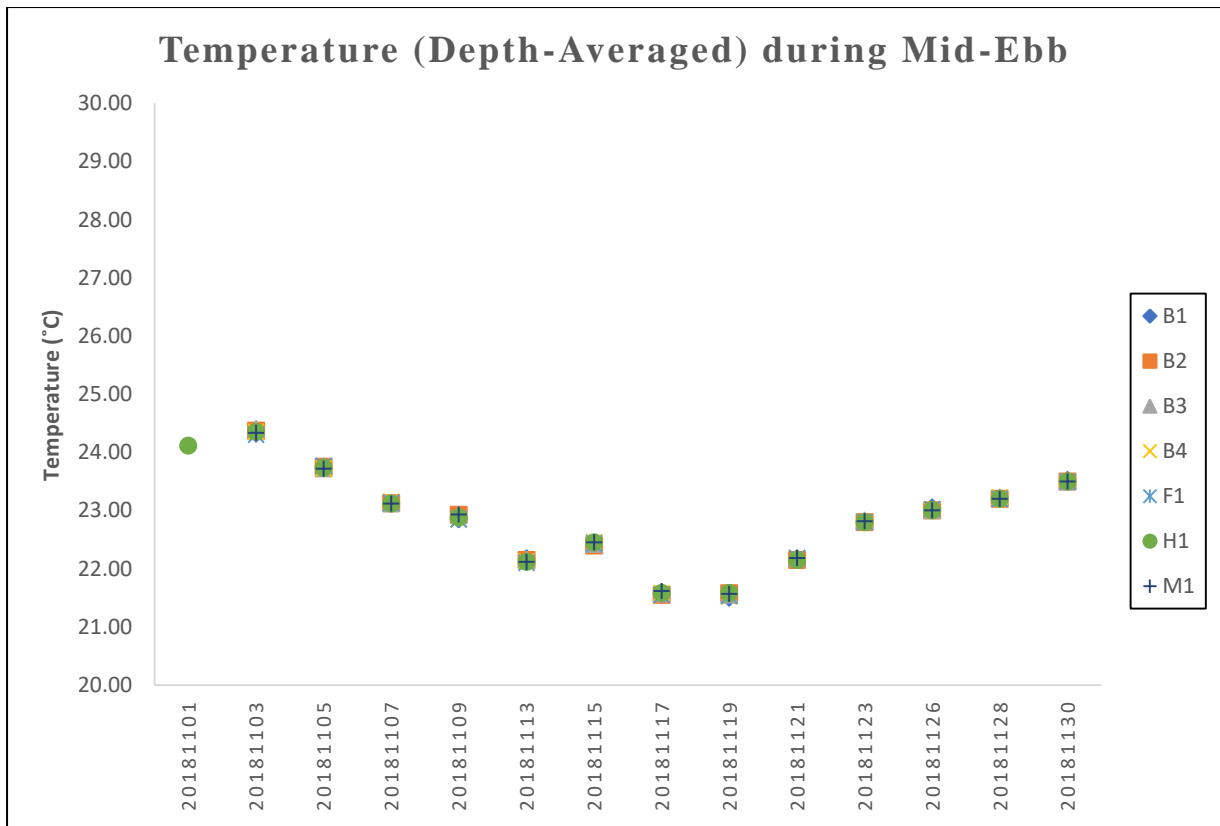
Note: The Action and Limit Level of suspended solids can be referred to **Table 2.7** of the monthly EM & A report.



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Note: The Action and Limit Level of temperature can be referred to **Table 2.7** of the monthly EM & A report.



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