

## Appendix D Water Quality Monitoring Data

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20190702	Cloudy	Moderate	Mid-Ebb	B	4.0	10:32	9.59	8.75	22.3	30.03	2.67	6	100	0.205	E
B1	20190702	Cloudy	Moderate	Mid-Ebb	B	4.0	10:32	8.89	8.97	21.6	30.12	2.85	7	100	0.198	S
B1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:33	7.77	8.88	21.9	29.97	2.97	7	99	0.194	SE
B1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:33	8.91	8.34	20.9	29.96	3.15	6	99	0.146	SE
B2	20190702	Cloudy	Moderate	Mid-Ebb	B	4.3	10:53	7.9	8.69	20.8	30.07	2.88	8	100	0.139	SE
B2	20190702	Cloudy	Moderate	Mid-Ebb	B	4.3	10:53	7.46	8.79	22.1	29.89	2.5	6	100	0.079	SE
B2	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:54	8.51	8.9	20.5	30.07	3.14	7	99	0.187	SE
B2	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:54	9.61	8.33	20.5	29.96	2.82	6	100	0.117	S
B3	20190702	Cloudy	Moderate	Mid-Ebb	B	4.4	10:52	9.61	8.52	22.4	30.15	2.79	8	99	0.096	SE
B3	20190702	Cloudy	Moderate	Mid-Ebb	B	4.4	10:52	8.88	8.92	21.4	30.1	3	9	100	0.138	E
B3	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:53	8.93	8.72	20.8	30.09	2.75	7	99	0.096	S
B3	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:53	9.64	8.81	22.4	30.12	2.69	6	99	0.2	S
B4	20190702	Cloudy	Moderate	Mid-Ebb	B	3.3	11:05	8.04	8.4	21.7	29.88	2.6	8	102	0.194	SE
B4	20190702	Cloudy	Moderate	Mid-Ebb	B	3.3	11:05	8.01	8.46	21.6	29.81	3	7	102	0.171	S
B4	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:06	7.99	8.45	20.4	30.2	3.18	7	99	0.214	SE
B4	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:06	9.64	8.26	21.1	30.12	2.93	7	102	0.135	E
C1A	20190702	Cloudy	Moderate	Mid-Ebb	B	8.6	10:07	8.15	9.03	21.4	30.17	2.46	10	100	0.123	SE
C1A	20190702	Cloudy	Moderate	Mid-Ebb	B	8.6	10:07	8.47	8.84	21.8	29.9	2.84	9	102	0.221	SE
C1A	20190702	Cloudy	Moderate	Mid-Ebb	M	4.8	10:08	9.72	8.24	22.4	30.04	2.66	7	100	0.177	SE
C1A	20190702	Cloudy	Moderate	Mid-Ebb	M	4.8	10:08	8.72	8.4	22	30.06	2.56	8	101	0.195	S
C1A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:09	8.16	9.04	21.7	30.2	2.72	7	102	0.151	S
C1A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:09	7.61	8.48	21.6	30.16	3.08	6	100	0.128	E
C2A	20190702	Cloudy	Moderate	Mid-Ebb	B	11.5	10:20	9.1	8.4	22.3	30.08	2.95	8	99	0.195	E
C2A	20190702	Cloudy	Moderate	Mid-Ebb	B	11.5	10:20	8.9	8.88	21.9	29.9	2.69	7	100	0.237	SE
C2A	20190702	Cloudy	Moderate	Mid-Ebb	M	6.3	10:21	9.64	8.38	21	30.2	2.88	8	102	0.151	S
C2A	20190702	Cloudy	Moderate	Mid-Ebb	M	6.3	10:21	9.39	8.62	20.2	29.83	2.9	7	102	0.084	SE
C2A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:22	8.37	8.22	20.9	29.91	2.79	7	102	0.19	SE
C2A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:22	9.44	8.86	22.1	30.17	3.01	8	102	0.189	S
CR1	20190702	Cloudy	Moderate	Mid-Ebb	B	11.9	11:45	7.74	8.49	20.3	30.01	2.63	9	101	0.185	SE

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190702	Cloudy	Moderate	Mid-Ebb	B	11.9	11:45	9.64	8.26	20.4	30.09	2.61	10	101	0.21	S
CR1	20190702	Cloudy	Moderate	Mid-Ebb	M	6.5	11:46	9.93	8.73	20.7	30.21	3.09	8	99	0.142	S
CR1	20190702	Cloudy	Moderate	Mid-Ebb	M	6.5	11:46	8.86	8.57	22	30.35	2.97	9	101	0.139	SE
CR1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:47	9.98	8.98	22.1	30.03	2.68	5	101	0.227	SE
CR1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:47	9.6	8.74	22.4	30.29	3.2	5	98	0.18	E
CR2	20190702	Cloudy	Moderate	Mid-Ebb	B	10.0	11:20	9.85	8.33	20.9	30.27	2.49	7	100	0.233	S
CR2	20190702	Cloudy	Moderate	Mid-Ebb	B	10.0	11:20	9.86	8.84	21.8	30.09	2.99	8	99	0.179	SE
CR2	20190702	Cloudy	Moderate	Mid-Ebb	M	5.5	11:21	7.84	8.29	20.6	29.91	2.81	6	101	0.133	S
CR2	20190702	Cloudy	Moderate	Mid-Ebb	M	5.5	11:21	8.18	8.89	21.4	30.02	3.13	7	102	0.204	S
CR2	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:22	8.23	8.73	22.1	30.02	3	7	101	0.126	E
CR2	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:22	7.65	8.83	21.1	29.97	3.12	6	101	0.119	E
F1A	20190702	Cloudy	Moderate	Mid-Ebb	B	7.1	11:35	9.14	8.53	21	30.01	3.02	7	101	0.18	S
F1A	20190702	Cloudy	Moderate	Mid-Ebb	B	7.1	11:35	7.44	8.84	21.4	30.22	2.78	8	101	0.102	SE
F1A	20190702	Cloudy	Moderate	Mid-Ebb	M	4.1	11:36	8.81	8.33	20.7	30.17	2.6	7	98	0.096	E
F1A	20190702	Cloudy	Moderate	Mid-Ebb	M	4.1	11:36	7.65	8.37	21.6	30.16	2.99	7	98	0.096	E
F1A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:37	9.87	8.87	20.6	30.25	3.12	8	102	0.22	SE
F1A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:37	9.73	8.73	20.5	30.19	3.07	8	99	0.215	E
H1	20190702	Cloudy	Moderate	Mid-Ebb	B	7.1	10:37	9.4	8.21	21.5	29.99	2.86	10	100	0.125	S
H1	20190702	Cloudy	Moderate	Mid-Ebb	B	7.1	10:37	8.36	8.36	20.3	30.15	2.68	11	100	0.099	SE
H1	20190702	Cloudy	Moderate	Mid-Ebb	M	4.1	10:38	9.66	8.97	22.3	30.06	2.64	10	99	0.093	SE
H1	20190702	Cloudy	Moderate	Mid-Ebb	M	4.1	10:38	8.51	8.28	22.2	29.88	2.61	10	99	0.219	S
H1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:39	8.1	8.38	21.4	29.96	2.92	10	100	0.201	SE
H1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:39	8.66	8.3	21.3	29.86	3.07	10	99	0.112	S
M1	20190702	Cloudy	Moderate	Mid-Ebb	B	8.6	12:09	7.46	8.55	22.1	30.36	2.98	12	101	0.093	SE
M1	20190702	Cloudy	Moderate	Mid-Ebb	B	8.6	12:09	7.88	8.71	22.4	30.32	2.86	11	98	0.227	E
M1	20190702	Cloudy	Moderate	Mid-Ebb	M	4.8	12:10	8.75	8.37	21.9	30.01	2.9	10	101	0.084	S
M1	20190702	Cloudy	Moderate	Mid-Ebb	M	4.8	12:10	8.29	8.22	20.5	30.32	2.87	11	100	0.115	S
M1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	12:11	8.17	8.88	22.4	30.02	3.17	7	98	0.126	S
M1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	12:11	7.81	8.92	22	30.08	2.7	8	99	0.086	S

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S1	20190702	Cloudy	Moderate	Mid-Ebb	B	4.5	10:41	7.58	8.2	20.8	29.96	2.59	6	98	0.179	S
S1	20190702	Cloudy	Moderate	Mid-Ebb	B	4.5	10:41	9.71	8.42	20.8	30.02	2.76	7	98	0.222	E
S1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:42	9.73	8.27	20.2	29.95	2.69	6	101	0.117	S
S1	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	10:42	9.6	8.77	20.6	29.94	2.83	7	99	0.186	SE
S2A	20190702	Cloudy	Moderate	Mid-Ebb	B	8.2	11:07	7.85	8.32	22.2	29.88	2.61	9	98	0.086	S
S2A	20190702	Cloudy	Moderate	Mid-Ebb	B	8.2	11:07	7.46	8.9	21.6	29.82	2.62	9	99	0.235	S
S2A	20190702	Cloudy	Moderate	Mid-Ebb	M	4.6	11:08	8.99	8.66	20.8	30.05	2.82	6	98	0.125	SE
S2A	20190702	Cloudy	Moderate	Mid-Ebb	M	4.6	11:08	8.37	8.61	20.6	29.98	2.92	7	98	0.222	SE
S2A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:09	7.92	8.94	21.7	29.9	3.22	5	98	0.129	S
S2A	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:09	7.54	8.91	20.4	30.12	2.8	6	99	0.108	SE
S3	20190702	Cloudy	Moderate	Mid-Ebb	B	10.3	11:30	7.45	8.47	21.3	30.18	2.44	5	98	0.145	E
S3	20190702	Cloudy	Moderate	Mid-Ebb	B	10.3	11:30	9.48	8.93	21.7	30	2.56	5	99	0.14	E
S3	20190702	Cloudy	Moderate	Mid-Ebb	M	5.7	11:31	9.5	8.96	21.6	30.34	3.11	6	101	0.221	S
S3	20190702	Cloudy	Moderate	Mid-Ebb	M	5.7	11:31	8.08	8.64	22.2	30.32	2.96	5	101	0.147	S
S3	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:32	8.7	8.26	21.9	30.19	2.89	5	99	0.123	SE
S3	20190702	Cloudy	Moderate	Mid-Ebb	S	1.0	11:32	8.21	8.71	22.2	30.01	2.73	6	101	0.117	SE
B1	20190702	Cloudy	Moderate	Mid-Flood	B	4.1	16:31	8.72	8.47	20.9	30.15	2.63	6	97	0.159	SW
B1	20190702	Cloudy	Moderate	Mid-Flood	B	4.1	16:31	7.87	8.54	20.7	30.3	2.9	7	98	0.286	SW
B1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:32	9.71	8.65	20.9	30.04	3.01	6	98	0.186	W
B1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:32	7.62	8.81	20.7	29.95	2.74	6	98	0.162	SW
B2	20190702	Cloudy	Moderate	Mid-Flood	B	3.8	16:52	9.24	8.85	20.9	29.96	2.83	8	97	0.127	SW
B2	20190702	Cloudy	Moderate	Mid-Flood	B	3.8	16:52	9.42	8.31	21.4	29.95	2.88	8	100	0.236	SW
B2	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:53	8.26	8.54	20.8	29.87	3.09	11	97	0.22	SW
B2	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:53	8.73	8.61	21	29.87	3.13	11	97	0.211	W
B3	20190702	Cloudy	Moderate	Mid-Flood	B	3.7	16:33	9.61	8.37	20.9	30.27	2.84	11	98	0.233	SW
B3	20190702	Cloudy	Moderate	Mid-Flood	B	3.7	16:33	7.88	8.78	20.7	29.93	2.86	12	100	0.178	W
B3	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:34	9.07	8.78	20.3	30.14	2.96	7	100	0.244	SW
B3	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:34	9.32	8.76	21.2	30.24	2.89	8	100	0.268	W
B4	20190702	Cloudy	Moderate	Mid-Flood	B	4.0	16:47	8.26	8.8	20.7	30.27	2.34	9	100	0.151	W

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B4	20190702	Cloudy	Moderate	Mid-Flood	B	4.0	16:47	7.55	8.38	20.5	30.08	2.41	8	98	0.236	W
B4	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:48	7.93	8.98	21.4	30.22	3	8	98	0.188	W
B4	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:48	9.54	8.51	20.2	30.26	3.23	7	98	0.243	SW
C1A	20190702	Cloudy	Moderate	Mid-Flood	B	10.2	15:59	9.76	8.84	21.4	30.14	2.75	8	99	0.244	W
C1A	20190702	Cloudy	Moderate	Mid-Flood	B	10.2	15:59	9.98	8.6	20.7	30.1	2.65	7	100	0.171	SW
C1A	20190702	Cloudy	Moderate	Mid-Flood	M	5.6	16:00	8.35	8.55	20.9	30.24	2.84	6	99	0.195	W
C1A	20190702	Cloudy	Moderate	Mid-Flood	M	5.6	16:00	9.48	8.65	20.5	30	3.08	7	98	0.17	SW
C1A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:01	9.99	9.03	21	29.97	2.91	6	98	0.216	W
C1A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:01	9.01	8.87	20.6	30.28	2.73	6	101	0.15	W
C2A	20190702	Cloudy	Moderate	Mid-Flood	B	10.2	15:57	9.12	8.79	20.7	30.14	2.5	8	100	0.167	W
C2A	20190702	Cloudy	Moderate	Mid-Flood	B	10.2	15:57	9.06	8.31	21.4	29.93	2.77	7	99	0.13	W
C2A	20190702	Cloudy	Moderate	Mid-Flood	M	5.6	15:58	9.18	8.4	21.4	29.92	3.11	7	102	0.122	W
C2A	20190702	Cloudy	Moderate	Mid-Flood	M	5.6	15:58	9.87	8.35	20.2	30.26	2.88	6	102	0.261	W
C2A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	15:59	7.92	8.55	20.7	29.93	3.09	7	99	0.27	W
C2A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	15:59	7.92	8.48	21.1	29.98	2.93	6	100	0.292	W
CR1	20190702	Cloudy	Moderate	Mid-Flood	B	11.9	17:44	7.59	8.77	20.6	30.03	2.78	8	99	0.145	SW
CR1	20190702	Cloudy	Moderate	Mid-Flood	B	11.9	17:44	8.46	9.03	20.4	29.84	2.33	8	102	0.203	W
CR1	20190702	Cloudy	Moderate	Mid-Flood	M	6.5	17:45	7.83	9	21	30.15	3.08	7	100	0.259	SW
CR1	20190702	Cloudy	Moderate	Mid-Flood	M	6.5	17:45	8.11	8.61	20.5	30.02	3.05	8	103	0.122	W
CR1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:46	9.18	8.63	21.4	30.05	3.15	5	102	0.179	SW
CR1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:46	9.29	8.76	20.6	30.05	3.14	5	103	0.223	W
CR2	20190702	Cloudy	Moderate	Mid-Flood	B	10.8	17:20	9.64	8.5	20.9	29.91	2.65	7	102	0.232	W
CR2	20190702	Cloudy	Moderate	Mid-Flood	B	10.8	17:20	8.33	8.38	21	30.04	2.58	6	102	0.265	SW
CR2	20190702	Cloudy	Moderate	Mid-Flood	M	5.9	17:21	8.35	8.33	20.7	29.89	2.7	7	102	0.215	SW
CR2	20190702	Cloudy	Moderate	Mid-Flood	M	5.9	17:21	9.79	8.79	21	29.98	2.69	6	99	0.258	SW
CR2	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:22	9.5	9	21.2	29.81	3.08	5	102	0.146	W
CR2	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:22	9.32	8.96	20.2	30.07	2.69	6	99	0.172	NW
F1A	20190702	Cloudy	Moderate	Mid-Flood	B	7.7	17:16	9.18	8.32	21.4	29.86	2.89	8	100	0.206	W
F1A	20190702	Cloudy	Moderate	Mid-Flood	B	7.7	17:16	9.78	9.01	21.1	30	2.48	7	100	0.186	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190702	Cloudy	Moderate	Mid-Flood	M	4.4	17:17	7.51	8.62	20.8	29.83	2.62	7	100	0.26	W
F1A	20190702	Cloudy	Moderate	Mid-Flood	M	4.4	17:17	7.7	8.41	20.4	30.15	2.69	8	99	0.125	W
F1A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:18	9.12	8.44	21.1	29.98	2.87	7	99	0.242	SW
F1A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:18	8.98	8.34	21	29.95	3.25	7	102	0.15	W
H1	20190702	Cloudy	Moderate	Mid-Flood	B	6.6	16:16	10.18	8.47	21.3	30.09	2.82	8	102	0.154	SW
H1	20190702	Cloudy	Moderate	Mid-Flood	B	6.6	16:16	8.31	8.55	20.9	30.07	2.52	7	100	0.251	SW
H1	20190702	Cloudy	Moderate	Mid-Flood	M	3.8	16:17	7.92	8.91	20.7	30.21	2.6	10	98	0.26	W
H1	20190702	Cloudy	Moderate	Mid-Flood	M	3.8	16:17	9.07	8.91	20.4	30.21	2.7	10	101	0.254	W
H1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:18	9.55	8.94	21.2	30.28	3.12	8	101	0.125	NW
H1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:18	7.52	8.74	21	29.98	2.97	8	99	0.125	W
M1	20190702	Cloudy	Moderate	Mid-Flood	B	6.5	17:55	8.06	8.61	21.1	30.19	2.36	7	102	0.278	NW
M1	20190702	Cloudy	Moderate	Mid-Flood	B	6.5	17:55	8.01	8.42	21.4	29.93	2.67	7	100	0.261	W
M1	20190702	Cloudy	Moderate	Mid-Flood	M	3.8	17:56	8.44	8.86	21	30.13	2.62	6	100	0.28	SW
M1	20190702	Cloudy	Moderate	Mid-Flood	M	3.8	17:56	8.54	8.57	20.5	29.92	2.63	6	100	0.244	W
M1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:57	8.49	8.32	20.5	29.84	3.16	6	101	0.155	SW
M1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:57	8.18	8.51	20.4	30.05	2.95	7	102	0.236	W
S1	20190702	Cloudy	Moderate	Mid-Flood	B	4.1	16:41	9.37	9	21	29.89	2.36	7	100	0.193	SW
S1	20190702	Cloudy	Moderate	Mid-Flood	B	4.1	16:41	9.26	8.65	21.2	30.16	2.48	8	100	0.275	SW
S1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:42	8.28	8.93	21.1	30.19	2.79	7	100	0.274	SW
S1	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	16:42	7.53	8.42	21.4	30.22	2.88	6	100	0.263	W
S2A	20190702	Cloudy	Moderate	Mid-Flood	B	8.6	17:06	8.87	8.58	21.1	29.81	2.57	10	100	0.248	W
S2A	20190702	Cloudy	Moderate	Mid-Flood	B	8.6	17:06	7.81	8.34	0.7	30.12	2.83	9	103	0.277	SW
S2A	20190702	Cloudy	Moderate	Mid-Flood	M	4.8	17:07	9.87	8.97	21	29.98	3	7	99	0.288	W
S2A	20190702	Cloudy	Moderate	Mid-Flood	M	4.8	17:07	9.54	8.86	20.6	30.1	2.68	8	99	0.15	W
S2A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:08	9.87	9.04	21	30.05	2.98	7	102	0.149	W
S2A	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:08	9.22	9.04	20.7	30.1	2.89	8	102	0.27	SW
S3	20190702	Cloudy	Moderate	Mid-Flood	B	9.0	17:30	8.86	8.98	20.5	30.11	2.66	8	99	0.183	W
S3	20190702	Cloudy	Moderate	Mid-Flood	B	9.0	17:30	9.62	8.52	20.3	30.16	2.91	7	102	0.285	SW
S3	20190702	Cloudy	Moderate	Mid-Flood	M	5.0	17:31	7.95	8.44	20.2	30.08	2.89	5	100	0.202	NW

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20190702	Cloudy	Moderate	Mid-Flood	M	5.0	17:31	7.95	8.78	20.3	29.92	2.82	6	100	0.217	W
S3	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:32	8.8	8.95	21.2	29.94	2.78	5	102	0.132	SW
S3	20190702	Cloudy	Moderate	Mid-Flood	S	1.0	17:32	7.75	8.38	21	30.17	3.15	6	102	0.221	SW
B1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:35	7.28	8.07	21.5	29.36	3.1	6	100	0.238	E
B1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:35	7.12	7.89	21.4	29.41	2.77	5	100	0.262	E
B1	20190704	Cloudy	Moderate	Mid-Ebb	B	3.7	12:34	6.84	8.04	21.2	29.37	2.81	5	100	0.195	S
B1	20190704	Cloudy	Moderate	Mid-Ebb	B	3.7	12:34	7.31	8.09	21.9	29.43	3.01	6	99	0.232	E
B2	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:55	7.21	8.01	20.6	29.34	3.12	6	99	0.286	SE
B2	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:55	7.52	7.65	21.9	29.27	3.07	6	98	0.145	E
B2	20190704	Cloudy	Moderate	Mid-Ebb	B	4.1	12:54	7.34	7.88	20.2	29.24	3.02	7	99	0.159	SE
B2	20190704	Cloudy	Moderate	Mid-Ebb	B	4.1	12:54	7.29	7.9	21.4	29.25	2.98	7	99	0.289	SE
B3	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:53	7.34	9.32	21.1	28.92	2.76	8	99	0.266	SE
B3	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:53	8.36	9.21	20.3	28.93	2.78	8	98	0.21	E
B3	20190704	Cloudy	Moderate	Mid-Ebb	B	3.7	12:52	7.86	9.4	20.6	28.84	2.72	8	98	0.18	SE
B3	20190704	Cloudy	Moderate	Mid-Ebb	B	3.7	12:52	7.94	9.25	21.4	28.94	2.55	8	100	0.203	S
B4	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:04	7.58	9.1	21.5	28.74	3.24	8	98	0.142	SE
B4	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:04	7.6	8.92	22.3	28.93	3.08	7	99	0.22	S
B4	20190704	Cloudy	Moderate	Mid-Ebb	B	3.7	13:03	7.53	9.31	20.5	28.8	2.87	8	98	0.271	SE
B4	20190704	Cloudy	Moderate	Mid-Ebb	B	3.7	13:03	7.93	9.12	21.5	28.75	2.44	8	98	0.229	SE
C1A	20190704	Cloudy	Moderate	Mid-Ebb	B	9.5	12:04	7.78	7.84	21.6	29.37	2.69	7	99	0.22	S
C1A	20190704	Cloudy	Moderate	Mid-Ebb	B	9.5	12:04	7.28	7.86	20.7	29.48	2.78	8	98	0.199	S
C1A	20190704	Cloudy	Moderate	Mid-Ebb	M	5.3	12:05	6.94	7.88	21.3	29.33	2.79	8	98	0.26	SE
C1A	20190704	Cloudy	Moderate	Mid-Ebb	M	5.3	12:05	6.99	8.12	22.4	29.46	2.61	8	98	0.285	E
C1A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:06	7.86	7.64	21.3	29.33	2.85	6	99	0.173	S
C1A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:06	7.48	8.21	20.7	29.26	3.26	7	98	0.156	SE
C2A	20190704	Cloudy	Moderate	Mid-Ebb	B	11.3	12:17	8.45	9.43	21.2	28.81	3	8	98	0.208	SE
C2A	20190704	Cloudy	Moderate	Mid-Ebb	B	11.3	12:17	8.11	8.94	20.5	28.72	2.88	9	99	0.235	E
C2A	20190704	Cloudy	Moderate	Mid-Ebb	M	6.2	12:18	7.87	9.5	20.9	28.92	2.94	8	99	0.259	S
C2A	20190704	Cloudy	Moderate	Mid-Ebb	M	6.2	12:18	7.91	9.37	21.2	28.78	2.68	9	98	0.229	E



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:19	8.5	9.02	21.4	28.7	2.83	7	98	0.283	S
C2A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:19	7.41	8.99	21.2	28.7	2.83	8	98	0.218	SE
CR1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:49	7.83	7.77	22.2	29.35	2.74	11	98	0.175	SE
CR1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:49	6.84	7.89	21.7	29.42	2.99	11	99	0.286	SE
CR1	20190704	Cloudy	Moderate	Mid-Ebb	B	12.4	13:47	7.56	7.85	21.9	29.24	2.75	10	98	0.175	SE
CR1	20190704	Cloudy	Moderate	Mid-Ebb	B	12.4	13:47	7.87	7.85	20.5	29.47	2.9	11	98	0.278	SE
CR1	20190704	Cloudy	Moderate	Mid-Ebb	M	6.7	13:48	7.3	7.71	21.7	29.27	3.06	10	98	0.174	S
CR1	20190704	Cloudy	Moderate	Mid-Ebb	M	6.7	13:48	7.85	7.61	21.6	29.35	2.65	10	98	0.147	E
CR2	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:25	7.16	8.16	21.8	29.26	3.17	7	99	0.156	SE
CR2	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:25	7.14	7.6	21.7	29.37	2.91	8	99	0.206	SE
CR2	20190704	Cloudy	Moderate	Mid-Ebb	B	10.9	13:23	7.3	8.22	21.7	29.35	2.91	9	99	0.189	S
CR2	20190704	Cloudy	Moderate	Mid-Ebb	B	10.9	13:23	7.82	7.84	21.5	29.37	2.78	10	98	0.202	S
CR2	20190704	Cloudy	Moderate	Mid-Ebb	M	6.0	13:24	7.52	8.09	20.7	29.22	3.13	8	99	0.219	S
CR2	20190704	Cloudy	Moderate	Mid-Ebb	M	6.0	13:24	7.1	8.23	20.8	29.45	2.56	7	98	0.16	SE
F1A	20190704	Cloudy	Moderate	Mid-Ebb	B	7.4	13:30	7.73	8.98	21.3	28.94	2.64	8	99	0.282	S
F1A	20190704	Cloudy	Moderate	Mid-Ebb	B	7.4	13:30	8.56	9.13	21.8	28.82	2.58	9	99	0.227	E
F1A	20190704	Cloudy	Moderate	Mid-Ebb	M	4.2	13:31	8.03	9.54	22	28.83	2.64	7	98	0.283	S
F1A	20190704	Cloudy	Moderate	Mid-Ebb	M	4.2	13:31	7.41	9.1	22.1	28.97	2.87	7	100	0.284	SE
F1A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:32	8.11	9.51	22.1	28.8	3.02	6	98	0.21	E
F1A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:32	7.33	9.52	21.4	28.91	2.84	7	98	0.278	S
H1	20190704	Cloudy	Moderate	Mid-Ebb	B	7.5	12:35	7.53	8.98	21.4	28.71	3.02	8	98	0.161	SE
H1	20190704	Cloudy	Moderate	Mid-Ebb	B	7.5	12:35	7.48	9.31	20.3	28.81	2.99	9	99	0.16	SE
H1	20190704	Cloudy	Moderate	Mid-Ebb	M	1.0	12:36	7.94	9.11	21.1	28.89	3.11	8	99	0.163	SE
H1	20190704	Cloudy	Moderate	Mid-Ebb	M	1.0	12:36	7.71	9.04	22	28.82	2.6	7	98	0.27	SE
H1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:37	7.5	9.44	21.4	28.87	2.86	8	98	0.175	E
H1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:37	7.61	9.4	22.3	28.97	2.78	7	99	0.287	SE
M1	20190704	Cloudy	Moderate	Mid-Ebb	B	8.3	14:08	8.03	8.97	22.1	28.85	2.81	9	99	0.203	S
M1	20190704	Cloudy	Moderate	Mid-Ebb	B	8.3	14:08	8.44	9.17	20.6	28.79	2.81	10	99	0.146	S
M1	20190704	Cloudy	Moderate	Mid-Ebb	M	4.7	14:09	7.57	9.24	22	28.82	2.89	9	99	0.208	E



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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20190704	Cloudy	Moderate	Mid-Ebb	M	4.7	14:09	8.04	9.39	20.2	28.73	3.09	8	99	0.171	S
M1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	14:10	7.32	9.27	20.4	28.72	3.21	8	99	0.199	S
M1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	14:10	8.08	9.46	22	28.83	2.86	9	98	0.169	S
S1	20190704	Cloudy	Moderate	Mid-Ebb	B	4.4	12:43	7.82	8.21	22.2	29.21	2.81	6	99	0.213	SE
S1	20190704	Cloudy	Moderate	Mid-Ebb	B	4.4	12:43	7.51	8.2	21.9	29.5	2.96	7	98	0.272	E
S1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:44	7.78	7.78	22.4	29.37	2.86	7	98	0.148	S
S1	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	12:44	7.73	8.15	20.9	29.5	3.11	7	99	0.271	SE
S2A	20190704	Cloudy	Moderate	Mid-Ebb	B	8.5	13:10	7.16	7.97	20.3	29.28	3	7	98	0.177	S
S2A	20190704	Cloudy	Moderate	Mid-Ebb	B	8.5	13:10	6.89	7.89	22.4	29.38	2.81	6	100	0.213	SE
S2A	20190704	Cloudy	Moderate	Mid-Ebb	M	4.8	13:11	7.16	7.94	20.5	29.4	2.63	7	98	0.285	SE
S2A	20190704	Cloudy	Moderate	Mid-Ebb	M	4.8	13:11	7.31	7.98	21.5	29.22	2.9	6	99	0.164	S
S2A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:12	7.75	7.93	22	29.36	2.99	6	99	0.247	SE
S2A	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:12	7.08	7.81	20.6	29.47	3.24	7	99	0.25	E
S3	20190704	Cloudy	Moderate	Mid-Ebb	B	10.4	13:33	7.02	8.11	21.6	29.2	2.97	12	98	0.192	SE
S3	20190704	Cloudy	Moderate	Mid-Ebb	B	10.4	13:33	7.07	7.91	21.2	29.49	2.79	12	98	0.268	S
S3	20190704	Cloudy	Moderate	Mid-Ebb	M	5.7	13:34	6.92	8.05	20.3	29.3	2.79	11	99	0.161	S
S3	20190704	Cloudy	Moderate	Mid-Ebb	M	5.7	13:34	7.87	7.95	22.2	29.31	2.79	11	99	0.263	SE
S3	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:35	7.05	8.17	22.4	29.47	3.2	7	98	0.18	S
S3	20190704	Cloudy	Moderate	Mid-Ebb	S	1.0	13:35	7.88	7.66	20.5	29.35	2.91	6	99	0.192	E
B1	20190704	Cloudy	Moderate	Mid-Flood	B	3.5	17:34	7.16	8.21	20.4	29.13	2.32	6	100	0.192	NW
B1	20190704	Cloudy	Moderate	Mid-Flood	B	3.5	17:34	7.77	7.76	21.4	29.07	2.76	7	100	0.192	W
B1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:35	7.4	7.86	21.2	29.08	3.22	6	101	0.211	W
B1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:35	7.85	8.08	21.1	29.15	2.86	7	99	0.145	W
B2	20190704	Cloudy	Moderate	Mid-Flood	B	3.7	17:55	7.7	7.84	21.2	29	2.64	8	100	0.298	SW
B2	20190704	Cloudy	Moderate	Mid-Flood	B	3.7	17:55	7.84	7.87	20.3	29.04	2.58	9	99	0.286	W
B2	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:56	7.67	7.96	21.4	29.01	3.24	7	100	0.248	SW
B2	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:56	7.45	7.79	21.4	29.11	2.79	8	100	0.211	W
B3	20190704	Cloudy	Moderate	Mid-Flood	B	3.3	17:41	8.22	9.16	21.1	28.85	2.44	12	99	0.268	W
B3	20190704	Cloudy	Moderate	Mid-Flood	B	3.3	17:41	8.72	9.64	21.2	28.83	2.41	12	99	0.151	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B3	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:42	8.02	8.99	20.5	28.87	3.25	10	100	0.225	W
B3	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:42	7.97	9.6	20.7	28.92	3.02	11	99	0.208	W
B4	20190704	Cloudy	Moderate	Mid-Flood	B	4.3	17:51	9.07	8.99	21	28.87	2.86	9	100	0.258	NW
B4	20190704	Cloudy	Moderate	Mid-Flood	B	4.3	17:51	8.02	8.96	21.3	28.86	2.87	9	99	0.172	W
B4	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:52	9.1	9.42	20.2	28.88	3.13	8	100	0.27	W
B4	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:52	8.15	9.31	21.3	28.84	3.23	9	99	0.304	W
C1A	20190704	Cloudy	Moderate	Mid-Flood	B	10.3	17:10	7.65	7.68	20.9	29	2.91	9	99	0.267	W
C1A	20190704	Cloudy	Moderate	Mid-Flood	B	10.3	17:10	7.53	8.05	20.6	29.01	2.74	8	100	0.311	W
C1A	20190704	Cloudy	Moderate	Mid-Flood	M	5.7	17:11	7.68	8.14	20.4	29.07	2.76	9	100	0.237	W
C1A	20190704	Cloudy	Moderate	Mid-Flood	M	5.7	17:11	7.06	7.94	20.2	29.2	3.12	8	99	0.293	W
C1A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:12	7.05	7.69	20.6	29.02	2.9	8	99	0.222	NW
C1A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:12	7.78	7.93	20.6	29.11	2.85	8	100	0.239	W
C2A	20190704	Cloudy	Moderate	Mid-Flood	B	10.0	17:10	8.06	8.96	20.2	28.88	2.35	7	99	0.225	W
C2A	20190704	Cloudy	Moderate	Mid-Flood	B	10.0	17:10	8.13	9.32	21.4	28.94	2.7	7	100	0.232	SW
C2A	20190704	Cloudy	Moderate	Mid-Flood	M	5.5	17:11	8.12	9	21.4	28.83	2.89	8	100	0.298	NW
C2A	20190704	Cloudy	Moderate	Mid-Flood	M	5.5	17:11	8.25	9.06	21.1	28.93	2.89	7	100	0.156	W
C2A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:12	9.12	9.11	20.7	28.81	3.1	7	99	0.159	W
C2A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:12	8.9	9.08	20.6	28.85	2.85	8	100	0.262	W
CR1	20190704	Cloudy	Moderate	Mid-Flood	B	11.5	18:48	7.34	7.88	20.2	29.05	2.42	10	99	0.274	NW
CR1	20190704	Cloudy	Moderate	Mid-Flood	B	11.5	18:48	7.33	7.89	20.4	29.19	2.88	11	99	0.166	W
CR1	20190704	Cloudy	Moderate	Mid-Flood	M	6.3	18:49	7.58	8.1	21.4	29.08	2.64	12	99	0.3	SW
CR1	20190704	Cloudy	Moderate	Mid-Flood	M	6.3	18:49	7	7.7	20.2	29.14	3.1	13	100	0.183	SW
CR1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:50	7.26	7.95	21.2	29.18	3.05	10	99	0.166	W
CR1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:50	7.21	7.9	20.5	29.05	3.24	11	99	0.148	W
CR2	20190704	Cloudy	Moderate	Mid-Flood	B	10.2	18:24	7.46	7.91	20.7	29.11	2.37	6	99	0.24	W
CR2	20190704	Cloudy	Moderate	Mid-Flood	B	10.2	18:24	7.17	7.73	20.5	29.13	2.38	7	99	0.223	SW
CR2	20190704	Cloudy	Moderate	Mid-Flood	M	5.6	18:25	7.75	8.16	21.3	29.05	2.73	5	99	0.275	W
CR2	20190704	Cloudy	Moderate	Mid-Flood	M	5.6	18:25	7.76	8.23	20.5	29.01	3.1	6	99	0.243	W
CR2	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:26	7.49	7.81	20.9	29.15	3.08	5	99	0.286	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:26	7.12	7.76	20.6	29.01	2.84	5	100	0.298	W
F1A	20190704	Cloudy	Moderate	Mid-Flood	B	6.9	18:16	8.25	9.05	20.7	28.92	2.7	7	99	0.271	W
F1A	20190704	Cloudy	Moderate	Mid-Flood	B	6.9	18:16	8.92	9.23	20.2	28.94	2.75	8	99	0.175	W
F1A	20190704	Cloudy	Moderate	Mid-Flood	M	4.0	18:17	8.93	8.97	20.6	28.83	2.91	7	98	0.254	W
F1A	20190704	Cloudy	Moderate	Mid-Flood	M	4.0	18:17	9	9.32	21.4	28.86	2.61	7	99	0.248	W
F1A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:18	9.05	9.37	20.7	28.87	2.73	7	100	0.181	W
F1A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:18	8.33	9.01	21.1	28.87	2.72	7	99	0.144	NW
H1	20190704	Cloudy	Moderate	Mid-Flood	B	6.6	17:27	8.03	9.1	20.7	28.8	2.45	10	100	0.143	W
H1	20190704	Cloudy	Moderate	Mid-Flood	B	6.6	17:27	7.99	9.62	20.3	28.84	2.44	8	99	0.149	W
H1	20190704	Cloudy	Moderate	Mid-Flood	M	3.8	17:28	8.37	9.41	21.3	28.87	2.87	9	99	0.146	SW
H1	20190704	Cloudy	Moderate	Mid-Flood	M	3.8	17:28	8.89	9.07	21.4	28.81	2.72	8	99	0.278	W
H1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:29	9	9.6	20.2	28.88	3.21	8	100	0.167	W
H1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:29	8.56	9.08	21.4	28.93	2.76	7	100	0.168	SW
M1	20190704	Cloudy	Moderate	Mid-Flood	B	6.4	18:49	8.8	9.07	21.1	28.82	2.38	6	99	0.184	SW
M1	20190704	Cloudy	Moderate	Mid-Flood	B	6.4	18:49	8.92	9.25	20.4	28.84	2.66	6	100	0.191	W
M1	20190704	Cloudy	Moderate	Mid-Flood	M	3.7	18:50	8.63	9.11	20.3	28.8	2.7	6	99	0.208	NW
M1	20190704	Cloudy	Moderate	Mid-Flood	M	3.7	18:50	9.12	9.32	20.9	28.82	2.68	7	99	0.188	W
M1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:51	9.16	9.08	20.8	28.82	3.08	6	100	0.257	SW
M1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:51	9.04	9.35	20.6	28.84	3	6	99	0.203	W
S1	20190704	Cloudy	Moderate	Mid-Flood	B	4.2	17:44	7.12	7.92	20.5	29.18	2.38	17	99	0.163	W
S1	20190704	Cloudy	Moderate	Mid-Flood	B	4.2	17:44	7.49	8.18	20.8	29.12	2.34	18	99	0.213	NW
S1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:45	7.33	7.91	20.3	29.11	3.1	12	99	0.198	SW
S1	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	17:45	7.51	8.07	20.7	29.02	2.95	12	99	0.148	NW
S2A	20190704	Cloudy	Moderate	Mid-Flood	B	8.4	18:11	7.04	7.7	21.2	29.05	2.89	10	99	0.281	W
S2A	20190704	Cloudy	Moderate	Mid-Flood	B	8.4	18:11	7.86	7.83	21.2	29.17	2.33	11	99	0.282	W
S2A	20190704	Cloudy	Moderate	Mid-Flood	M	4.7	18:12	7.16	7.74	20.9	29.14	3.01	10	99	0.181	W
S2A	20190704	Cloudy	Moderate	Mid-Flood	M	4.7	18:12	7.85	7.88	21.4	29.05	2.61	11	99	0.175	W
S2A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:13	7.28	7.82	21	29.04	3.02	11	99	0.229	W
S2A	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:13	7.45	7.8	20.8	29.14	3.04	11	99	0.27	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20190704	Cloudy	Moderate	Mid-Flood	B	8.4	18:34	7.88	8.2	20.5	29.14	2.43	11	99	0.304	SW
S3	20190704	Cloudy	Moderate	Mid-Flood	B	8.4	18:34	7.21	8.18	21.4	29.17	2.73	11	99	0.278	SW
S3	20190704	Cloudy	Moderate	Mid-Flood	M	4.7	18:35	7.18	7.95	20.2	29.15	3.09	10	99	0.209	W
S3	20190704	Cloudy	Moderate	Mid-Flood	M	4.7	18:35	7.77	8.23	21.2	29.02	2.97	11	100	0.189	W
S3	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:36	7.74	7.89	20.3	29.05	2.8	11	99	0.293	SW
S3	20190704	Cloudy	Moderate	Mid-Flood	S	1.0	18:36	7.25	8.2	20.4	29.04	3.06	12	98	0.31	W
B1	20190706	Cloudy	Moderate	Mid-Flood	B	3.7	9:15	7.28	7.6	20.2	29.2	2.46	5	98	0.271	W
B1	20190706	Cloudy	Moderate	Mid-Flood	B	3.7	9:15	7.31	7.74	20.9	29.1	2.76	5	98	0.137	W
B1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:16	7.2	7.7	21.1	29.14	3.17	4	99	0.177	SW
B1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:16	7.18	7.91	20.9	29.18	3.05	5	98	0.19	NW
B2	20190706	Cloudy	Moderate	Mid-Flood	B	3.5	9:34	7.09	7.97	20.9	29.12	2.41	5	98	0.274	SW
B2	20190706	Cloudy	Moderate	Mid-Flood	B	3.5	9:34	7.56	8.07	20.9	29.2	2.65	5	98	0.26	W
B2	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:35	6.89	7.72	20.5	29.15	2.8	4	98	0.176	SW
B2	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:35	7.06	7.93	20.8	29.12	3.05	4	98	0.254	W
B3	20190706	Cloudy	Moderate	Mid-Flood	B	3.8	8:51	7.46	8.63	20.5	29.18	2.51	5	98	0.162	NW
B3	20190706	Cloudy	Moderate	Mid-Flood	B	3.8	8:51	7.09	9.3	20.3	28.96	2.39	5	98	0.253	W
B3	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:52	7.11	8.67	21.4	29.15	2.9	4	98	0.222	W
B3	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:52	6.98	8.97	20.2	28.94	2.88	5	98	0.273	W
B4	20190706	Cloudy	Moderate	Mid-Flood	B	3.7	9:04	7.4	9.59	21	28.93	2.59	5	97	0.178	W
B4	20190706	Cloudy	Moderate	Mid-Flood	B	3.7	9:04	7.36	9.48	20.6	29.13	2.91	4	98	0.292	SW
B4	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:05	7.45	8.74	20.3	28.92	3.11	5	98	0.2	W
B4	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:05	7.71	9.22	21.1	28.97	3.02	5	97	0.274	W
C1A	20190706	Cloudy	Moderate	Mid-Flood	B	10.8	8:50	6.95	7.88	21.4	29	2.39	5	98	0.138	SW
C1A	20190706	Cloudy	Moderate	Mid-Flood	B	10.8	8:50	6.99	8.06	20.8	29.16	2.4	4	98	0.124	SW
C1A	20190706	Cloudy	Moderate	Mid-Flood	M	5.9	8:51	7.58	7.78	20.9	29.16	2.72	5	98	0.217	W
C1A	20190706	Cloudy	Moderate	Mid-Flood	M	5.9	8:51	7.06	8.04	20.6	29.2	2.8	5	98	0.207	W
C1A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:52	6.93	7.62	21.3	29.15	2.67	4	98	0.262	SW
C1A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:52	7.05	8.13	20.3	29.18	2.68	4	98	0.158	W
C2A	20190706	Cloudy	Moderate	Mid-Flood	B	10.0	8:16	6.94	9.39	20.8	29.14	2.74	5	97	0.245	W

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 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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20190706	Cloudy	Moderate	Mid-Flood	B	10.0	8:16	7.18	9.07	20.2	28.91	2.78	6	98	0.144	W
C2A	20190706	Cloudy	Moderate	Mid-Flood	M	5.5	8:17	7.56	9.14	20.3	28.99	3.07	6	98	0.159	W
C2A	20190706	Cloudy	Moderate	Mid-Flood	M	5.5	8:17	7.2	9.46	21.1	28.98	2.91	6	98	0.275	SW
C2A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:18	7.7	9.28	21.3	28.97	2.91	4	98	0.272	NW
C2A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:18	7.54	9.24	21.2	28.9	3.2	4	98	0.187	NW
CR1	20190706	Cloudy	Moderate	Mid-Flood	B	11.4	10:27	7.08	7.74	21.3	29.1	2.87	5	98	0.125	SW
CR1	20190706	Cloudy	Moderate	Mid-Flood	B	11.4	10:27	7.18	7.99	21.2	29.15	2.59	6	97	0.144	SW
CR1	20190706	Cloudy	Moderate	Mid-Flood	M	6.2	10:28	7.39	7.85	21.4	29.14	2.89	5	97	0.209	SW
CR1	20190706	Cloudy	Moderate	Mid-Flood	M	6.2	10:28	7.04	8.12	20.2	29.18	3.09	4	97	0.259	SW
CR1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:29	7.18	7.84	20.6	29.17	2.72	4	98	0.225	W
CR1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:29	7.25	7.66	20.3	29.14	3.14	5	98	0.164	NW
CR2	20190706	Cloudy	Moderate	Mid-Flood	B	10.9	10:04	7.25	7.97	20.5	29.18	2.61	5	98	0.167	NW
CR2	20190706	Cloudy	Moderate	Mid-Flood	B	10.9	10:04	6.91	7.63	20.7	29.11	2.75	6	98	0.261	SW
CR2	20190706	Cloudy	Moderate	Mid-Flood	M	6.0	10:05	6.97	7.73	20.7	29.12	2.83	4	98	0.14	NW
CR2	20190706	Cloudy	Moderate	Mid-Flood	M	6.0	10:05	7.04	7.61	21.3	29.18	2.73	5	98	0.163	W
CR2	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:06	6.8	7.87	20.4	29.2	2.74	5	98	0.187	SW
CR2	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:06	7.07	7.77	20.4	29.19	2.94	5	98	0.16	SW
F1A	20190706	Cloudy	Moderate	Mid-Flood	B	6.7	9:29	7.79	8.93	20.5	29.19	2.41	5	98	0.167	NW
F1A	20190706	Cloudy	Moderate	Mid-Flood	B	6.7	9:29	6.94	8.97	21.4	28.9	2.87	6	98	0.189	W
F1A	20190706	Cloudy	Moderate	Mid-Flood	M	3.9	9:30	7.73	9.52	20.5	28.97	3.01	4	98	0.28	NW
F1A	20190706	Cloudy	Moderate	Mid-Flood	M	3.9	9:30	6.9	8.85	21.4	29.16	3.12	5	98	0.236	W
F1A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:31	7.58	8.83	21	29.01	2.75	4	98	0.228	W
F1A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:31	7.26	8.63	21.3	29.05	2.92	4	98	0.181	W
H1	20190706	Cloudy	Moderate	Mid-Flood	B	6.6	8:37	7.02	9.38	21	29.2	3.35	4	98	0.181	W
H1	20190706	Cloudy	Moderate	Mid-Flood	B	6.6	8:37	7.54	9.15	20.9	29.04	3.46	5	98	0.204	W
H1	20190706	Cloudy	Moderate	Mid-Flood	M	3.8	8:38	7.58	8.82	20.5	29.17	3.22	4	98	0.138	NW
H1	20190706	Cloudy	Moderate	Mid-Flood	M	3.8	8:38	7.39	9.08	21.3	29.03	2.82	5	97	0.272	SW
H1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:39	7.01	9.39	20.4	29	3.14	5	98	0.159	SW
H1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	8:39	7.26	8.64	20.8	29.16	2.79	4	98	0.188	SW

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20190706	Cloudy	Moderate	Mid-Flood	B	7.7	10:11	7.5	8.88	20.8	29.03	2.38	5	97	0.258	SW
M1	20190706	Cloudy	Moderate	Mid-Flood	B	7.7	10:11	7.07	9.37	21.3	28.95	2.89	5	97	0.284	SW
M1	20190706	Cloudy	Moderate	Mid-Flood	M	4.4	10:12	7.45	9.38	20.9	29	3.13	6	98	0.184	W
M1	20190706	Cloudy	Moderate	Mid-Flood	M	4.4	10:12	7.65	9.41	21	28.99	2.94	4	97	0.216	NW
M1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:13	7.39	8.91	21.1	29.12	3.03	4	98	0.165	SW
M1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:13	7.46	9.05	21.3	28.9	3.12	6	98	0.193	W
S1	20190706	Cloudy	Moderate	Mid-Flood	B	4.4	9:24	7.04	7.96	20.2	29.18	2.4	7	99	0.288	W
S1	20190706	Cloudy	Moderate	Mid-Flood	B	4.4	9:24	7.31	7.92	20.3	29.14	2.4	6	98	0.26	SW
S1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:25	7.4	7.67	20.9	29.13	2.92	6	98	0.232	W
S1	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:25	7.34	8.13	21.1	29.12	3.09	6	98	0.274	W
S2A	20190706	Cloudy	Moderate	Mid-Flood	B	8.8	9:50	7.09	7.91	21.2	29.2	2.34	7	98	0.141	W
S2A	20190706	Cloudy	Moderate	Mid-Flood	B	8.8	9:50	7.63	7.65	20.6	29.11	2.5	7	98	0.264	W
S2A	20190706	Cloudy	Moderate	Mid-Flood	M	4.9	9:51	7.02	8.1	20.2	29.11	3.13	6	98	0.211	W
S2A	20190706	Cloudy	Moderate	Mid-Flood	M	4.9	9:51	7.47	7.63	20.3	29.17	3.09	6	98	0.178	W
S2A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:52	7.49	7.74	21.4	29.2	2.82	5	98	0.231	W
S2A	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	9:52	7.63	8	20.3	29.18	3.22	6	97	0.178	SW
S3	20190706	Cloudy	Moderate	Mid-Flood	B	8.1	10:14	7.21	8	20.4	29.15	2.44	7	98	0.277	W
S3	20190706	Cloudy	Moderate	Mid-Flood	B	8.1	10:14	7.06	7.84	20.8	29.11	2.63	6	98	0.208	W
S3	20190706	Cloudy	Moderate	Mid-Flood	M	4.6	10:15	7.17	7.96	21.3	29.18	2.91	6	98	0.151	W
S3	20190706	Cloudy	Moderate	Mid-Flood	M	4.6	10:15	7.35	8.14	20.9	29.11	2.77	6	97	0.219	W
S3	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:16	6.98	8.13	20.2	29.13	2.69	6	98	0.241	SW
S3	20190706	Cloudy	Moderate	Mid-Flood	S	1.0	10:16	6.94	7.91	20.2	29.18	3.24	6	98	0.173	W
B1	20190706	Cloudy	Moderate	Mid-Ebb	B	3.7	14:16	7.89	8.1	20.2	29.11	2.87	5	98	0.199	SE
B1	20190706	Cloudy	Moderate	Mid-Ebb	B	3.7	14:16	7.72	7.76	21.8	29.15	2.57	5	98	0.143	E
B1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:17	7.91	7.88	20.5	29.17	3.25	3	99	0.23	S
B1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:17	7.01	8.06	22	29.25	2.74	3	97	0.085	S
B2	20190706	Cloudy	Moderate	Mid-Ebb	B	4.1	14:35	7.04	7.77	21.5	29.25	2.52	6	98	0.112	SE
B2	20190706	Cloudy	Moderate	Mid-Ebb	B	4.1	14:35	7.01	7.75	21.7	29.11	2.85	5	97	0.078	S
B2	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:36	7.38	7.88	22.1	29.28	2.9	4	98	0.116	S



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:36	7.25	7.88	21.1	29.11	3.08	4	98	0.172	E
B3	20190706	Cloudy	Moderate	Mid-Ebb	B	4.5	14:34	7.94	8.66	21.3	29.09	2.81	6	98	0.104	SE
B3	20190706	Cloudy	Moderate	Mid-Ebb	B	4.5	14:34	7.92	8.87	20.2	29.09	2.55	7	98	0.183	SE
B3	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:35	6.95	8.87	21.1	28.95	2.69	4	97	0.175	S
B3	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:35	7.92	8.98	22.3	28.99	2.76	5	98	0.108	SE
B4	20190706	Cloudy	Moderate	Mid-Ebb	B	3.8	14:46	7.09	9.03	21.3	28.97	2.92	8	96	0.146	E
B4	20190706	Cloudy	Moderate	Mid-Ebb	B	3.8	14:46	7.41	8.64	22	28.99	2.74	8	97	0.102	SE
B4	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:47	6.81	9.22	22.2	28.94	3.13	6	98	0.173	SE
B4	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:47	7.17	9.22	21.5	29.07	2.76	6	99	0.237	S
C1A	20190706	Cloudy	Moderate	Mid-Ebb	B	8.4	13:51	7.63	7.8	21.2	29.15	2.69	8	98	0.153	S
C1A	20190706	Cloudy	Moderate	Mid-Ebb	B	8.4	13:51	7.79	7.72	22.4	29.12	2.82	8	99	0.244	SE
C1A	20190706	Cloudy	Moderate	Mid-Ebb	M	4.7	13:52	7.44	7.84	22.1	29.29	2.88	5	98	0.222	SE
C1A	20190706	Cloudy	Moderate	Mid-Ebb	M	4.7	13:52	6.88	8.08	21.2	29.3	2.94	5	98	0.11	S
C1A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	13:53	7.66	7.99	20.3	29.3	2.7	6	98	0.171	S
C1A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	13:53	7.53	7.84	22.1	29.3	3.18	6	98	0.139	E
C2A	20190706	Cloudy	Moderate	Mid-Ebb	B	11.1	13:57	7.72	8.76	21.5	28.99	2.59	5	98	0.183	SE
C2A	20190706	Cloudy	Moderate	Mid-Ebb	B	11.1	13:57	6.86	9.3	21.7	28.92	2.7	5	98	0.128	SE
C2A	20190706	Cloudy	Moderate	Mid-Ebb	M	6.1	13:58	7.1	8.99	21.9	29.05	2.68	4	99	0.109	SE
C2A	20190706	Cloudy	Moderate	Mid-Ebb	M	6.1	13:58	7.18	8.76	22.2	28.95	2.86	4	98	0.094	S
C2A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	13:59	7.28	8.84	20.7	29.05	2.82	4	99	0.215	S
C2A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	13:59	7.79	9.12	21.3	28.93	2.72	4	98	0.154	SE
CR1	20190706	Cloudy	Moderate	Mid-Ebb	B	12.6	15:28	7.74	7.75	21.8	29.15	2.77	6	98	0.242	SE
CR1	20190706	Cloudy	Moderate	Mid-Ebb	B	12.6	15:28	7.28	7.97	21.5	29.29	2.6	7	97	0.1	SE
CR1	20190706	Cloudy	Moderate	Mid-Ebb	M	6.8	15:29	7.56	7.89	21.3	29.21	2.93	5	97	0.201	SE
CR1	20190706	Cloudy	Moderate	Mid-Ebb	M	6.8	15:29	7.32	8.18	20.2	29.28	2.6	5	97	0.181	E
CR1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:30	7.37	8.16	20.7	29.24	2.79	5	97	0.157	SE
CR1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:30	7.45	7.89	21.4	29.15	3.25	5	98	0.083	SE
CR2	20190706	Cloudy	Moderate	Mid-Ebb	B	10.5	15:05	7.55	8.09	20.2	29.2	2.92	6	97	0.103	S
CR2	20190706	Cloudy	Moderate	Mid-Ebb	B	10.5	15:05	7.38	7.68	21.5	29.14	2.91	7	97	0.24	SE



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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20190706	Cloudy	Moderate	Mid-Ebb	M	5.8	15:06	6.98	7.86	22	29.18	2.75	5	97	0.192	SE
CR2	20190706	Cloudy	Moderate	Mid-Ebb	M	5.8	15:06	7.92	7.8	21.5	29.3	3.07	5	97	0.103	SE
CR2	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:07	7.29	8.19	21.7	29.13	3.19	3	96	0.114	SE
CR2	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:07	7.6	8.07	22.4	29.2	2.91	4	97	0.183	E
F1A	20190706	Cloudy	Moderate	Mid-Ebb	B	7.4	15:16	6.86	8.6	21.9	29.08	2.88	7	98	0.173	S
F1A	20190706	Cloudy	Moderate	Mid-Ebb	B	7.4	15:16	7.24	9.27	21.1	28.95	2.57	7	97	0.242	E
F1A	20190706	Cloudy	Moderate	Mid-Ebb	M	4.2	15:17	7.87	8.61	21.3	29.02	2.7	6	97	0.08	SE
F1A	20190706	Cloudy	Moderate	Mid-Ebb	M	4.2	15:17	7.91	8.77	21.7	29.05	2.67	6	97	0.084	SE
F1A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:18	7.44	8.76	20.8	28.91	2.73	5	99	0.126	SE
F1A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:18	7.11	8.62	21	29.04	3.02	6	98	0.221	SE
H1	20190706	Cloudy	Moderate	Mid-Ebb	B	7.4	14:16	6.91	8.76	21.5	29.1	2.66	10	97	0.131	S
H1	20190706	Cloudy	Moderate	Mid-Ebb	B	7.4	14:16	7.55	9.33	21	29.09	2.54	11	97	0.085	S
H1	20190706	Cloudy	Moderate	Mid-Ebb	M	4.2	14:17	7.56	9.22	20.2	28.97	2.64	8	98	0.078	SE
H1	20190706	Cloudy	Moderate	Mid-Ebb	M	4.2	14:17	7.94	8.8	21.4	29.01	2.88	9	97	0.194	SE
H1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:18	7.82	8.87	21.6	28.93	2.69	9	97	0.226	S
H1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:18	6.91	8.99	21.2	29.07	3.09	8	97	0.168	E
M1	20190706	Cloudy	Moderate	Mid-Ebb	B	8.5	15:56	7.63	9.17	20.5	28.93	2.97	10	98	0.096	S
M1	20190706	Cloudy	Moderate	Mid-Ebb	B	8.5	15:56	7.04	9.18	21.5	28.98	2.76	10	97	0.202	SE
M1	20190706	Cloudy	Moderate	Mid-Ebb	M	4.8	15:57	7.53	8.83	21.7	28.93	2.93	6	98	0.144	E
M1	20190706	Cloudy	Moderate	Mid-Ebb	M	4.8	15:57	7.84	8.81	21.3	28.96	3.05	6	98	0.159	S
M1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:58	7.28	8.88	21	29.02	2.79	6	98	0.149	S
M1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:58	7.1	8.69	22.4	28.94	3.05	6	98	0.191	S
S1	20190706	Cloudy	Moderate	Mid-Ebb	B	4.1	14:25	7	7.91	21	29.25	2.61	9	98	0.175	SE
S1	20190706	Cloudy	Moderate	Mid-Ebb	B	4.1	14:25	7.06	7.64	21.1	29.14	2.85	8	98	0.199	SE
S1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:26	7.3	7.66	20.7	29.28	3.12	8	98	0.241	E
S1	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:26	7.06	7.69	20.3	29.19	2.74	8	98	0.098	SE
S2A	20190706	Cloudy	Moderate	Mid-Ebb	B	8.4	14:51	6.89	7.85	22.3	29.21	2.94	7	97	0.19	S
S2A	20190706	Cloudy	Moderate	Mid-Ebb	B	8.4	14:51	6.94	7.97	20.2	29.12	2.57	7	97	0.19	S
S2A	20190706	Cloudy	Moderate	Mid-Ebb	M	4.7	14:52	7.71	7.64	20.5	29.15	2.75	7	97	0.157	SE

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190706	Cloudy	Moderate	Mid-Ebb	M	4.7	14:52	7.18	7.62	21.1	29.3	2.87	8	97	0.242	E
S2A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:53	7.83	7.88	20.2	29.28	3.23	6	97	0.211	S
S2A	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	14:53	7.11	7.74	21.7	29.25	2.95	6	98	0.229	S
S3	20190706	Cloudy	Moderate	Mid-Ebb	B	8.8	15:15	7.32	8.08	20.3	29.25	2.61	7	97	0.181	S
S3	20190706	Cloudy	Moderate	Mid-Ebb	B	8.8	15:15	7.43	7.7	20.3	29.23	2.97	7	98	0.25	S
S3	20190706	Cloudy	Moderate	Mid-Ebb	M	4.9	15:16	7.7	7.84	20.6	29.22	2.79	7	98	0.233	SE
S3	20190706	Cloudy	Moderate	Mid-Ebb	M	4.9	15:16	7.44	7.71	20.2	29.25	2.64	8	98	0.177	E
S3	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:17	7.76	8.07	21.9	29.2	2.68	6	98	0.138	SE
S3	20190706	Cloudy	Moderate	Mid-Ebb	S	1.0	15:17	7.66	7.62	21.4	29.23	2.81	6	98	0.251	S
B1	20190708	Cloudy	Moderate	Mid-Flood	B	3.5	10:48	6.98	7.71	21.4	29.09	2.78	<2	99	0.193	W
B1	20190708	Cloudy	Moderate	Mid-Flood	B	3.5	10:48	7.49	7.86	20.1	29.13	2.76	3	99	0.273	W
B1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:49	7.14	7.85	20.2	29.03	2.86	3	98	0.142	NW
B1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:49	7.74	7.87	21.3	29.03	2.85	3	99	0.193	W
B2	20190708	Cloudy	Moderate	Mid-Flood	B	4.0	11:07	7.73	7.5	21	29.12	2.77	3	98	0.19	W
B2	20190708	Cloudy	Moderate	Mid-Flood	B	4.0	11:07	7.72	7.95	21.6	29.07	2.68	2	98	0.231	W
B2	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:08	7.27	7.93	21.2	29.13	2.77	3	99	0.213	W
B2	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:08	7.27	7.66	21.3	29.19	3.21	3	98	0.287	W
B3	20190708	Cloudy	Moderate	Mid-Flood	B	4.1	10:15	7.55	8.74	20.6	28.8	2.74	3	98	0.231	NW
B3	20190708	Cloudy	Moderate	Mid-Flood	B	4.1	10:15	7.27	8.84	20.5	28.75	2.69	3	99	0.275	NW
B3	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:16	6.91	9.27	20.3	28.71	2.93	2	98	0.27	W
B3	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:16	7.54	8.8	20.3	28.73	2.79	3	99	0.289	W
B4	20190708	Cloudy	Moderate	Mid-Flood	B	4.5	10:25	7.42	9.45	20.3	28.77	2.61	3	98	0.238	W
B4	20190708	Cloudy	Moderate	Mid-Flood	B	4.5	10:25	7.18	9.37	20.8	28.79	2.63	2	98	0.285	W
B4	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:26	7.36	9.11	21.3	28.7	2.86	3	99	0.262	W
B4	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:26	7.31	9.28	20.6	28.64	3.04	2	99	0.19	SW
C1A	20190708	Cloudy	Moderate	Mid-Flood	B	9.5	10:24	7.09	8.05	21.3	29.19	2.66	<2	98	0.29	W
C1A	20190708	Cloudy	Moderate	Mid-Flood	B	9.5	10:24	6.95	7.94	20.2	29.1	2.82	2	98	0.228	W
C1A	20190708	Cloudy	Moderate	Mid-Flood	M	5.3	10:25	7.76	7.6	21.3	29.01	2.78	2	99	0.243	SW
C1A	20190708	Cloudy	Moderate	Mid-Flood	M	5.3	10:25	7.76	7.82	20.4	29.06	3.04	<2	99	0.249	NW

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:26	6.91	7.91	20.4	29.07	2.93	2	98	0.203	SW
C1A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:26	7.06	7.58	20.1	29.18	2.67	2	98	0.156	NW
C2A	20190708	Cloudy	Moderate	Mid-Flood	B	10.9	9:40	7.56	8.96	20.5	28.78	3.52	2	99	0.273	W
C2A	20190708	Cloudy	Moderate	Mid-Flood	B	10.9	9:40	7.46	9.52	20.5	28.82	3.57	2	98	0.221	W
C2A	20190708	Cloudy	Moderate	Mid-Flood	M	6.0	9:41	7.56	8.78	20.7	28.8	3.82	3	98	0.176	NW
C2A	20190708	Cloudy	Moderate	Mid-Flood	M	6.0	9:41	7.57	9.49	20.2	28.74	3.85	3	98	0.169	NW
C2A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	9:42	7.02	8.84	21.4	28.7	3.82	4	98	0.291	W
C2A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	9:42	7.18	8.97	21	28.65	3.77	4	98	0.229	W
CR1	20190708	Cloudy	Moderate	Mid-Flood	B	11.4	10:00	7.68	7.62	21.3	29.06	2.46	4	98	0.267	NW
CR1	20190708	Cloudy	Moderate	Mid-Flood	B	11.4	10:00	7.57	7.92	21	29.05	2.91	3	98	0.169	W
CR1	20190708	Cloudy	Moderate	Mid-Flood	M	6.2	10:01	7.16	7.74	20.3	29.06	2.76	<2	98	0.266	NW
CR1	20190708	Cloudy	Moderate	Mid-Flood	M	6.2	10:01	6.96	7.83	21.1	29.09	2.83	2	98	0.133	SW
CR1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:02	7.1	7.92	21.2	29.2	3.02	<2	99	0.146	W
CR1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:02	7.45	7.66	20.4	29.06	2.7	<2	99	0.205	W
CR2	20190708	Cloudy	Moderate	Mid-Flood	B	9.9	11:33	7.45	8	21.5	29.05	2.42	3	99	0.235	W
CR2	20190708	Cloudy	Moderate	Mid-Flood	B	9.9	11:33	6.95	7.79	21	29.2	2.5	3	98	0.126	W
CR2	20190708	Cloudy	Moderate	Mid-Flood	M	5.5	11:34	7.18	7.56	20.5	29.17	2.88	4	99	0.187	NW
CR2	20190708	Cloudy	Moderate	Mid-Flood	M	5.5	11:34	6.84	7.74	21.4	29.12	2.54	3	98	0.226	W
CR2	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:35	7.11	7.72	20.4	29.07	3.24	2	99	0.218	W
CR2	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:35	7.77	7.7	20.9	29.05	2.99	3	99	0.259	NW
F1A	20190708	Cloudy	Moderate	Mid-Flood	B	6.9	12:04	7.39	8.64	21.2	28.77	2.38	3	99	0.207	W
F1A	20190708	Cloudy	Moderate	Mid-Flood	B	6.9	12:04	7.76	9.57	20.8	28.7	2.73	<2	98	0.192	W
F1A	20190708	Cloudy	Moderate	Mid-Flood	M	4.0	12:05	7.41	8.87	21	28.67	2.66	3	98	0.192	NW
F1A	20190708	Cloudy	Moderate	Mid-Flood	M	4.0	12:05	7.26	9.12	20.2	28.67	3.02	2	99	0.181	W
F1A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	12:06	7.63	8.63	20.4	28.71	3.25	2	99	0.234	W
F1A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	12:06	7.25	8.79	21.2	28.82	2.97	<2	99	0.272	W
H1	20190708	Cloudy	Moderate	Mid-Flood	B	6.5	11:39	7.68	8.6	21.1	28.65	3.1	3	99	0.284	W
H1	20190708	Cloudy	Moderate	Mid-Flood	B	6.5	11:39	7.41	8.7	20.8	28.77	3.27	2	99	0.283	W
H1	20190708	Cloudy	Moderate	Mid-Flood	M	3.8	11:40	7.29	9.53	20.3	28.67	2.92	3	98	0.171	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20190708	Cloudy	Moderate	Mid-Flood	M	3.8	11:40	7.23	8.95	20.9	28.83	3.05	2	99	0.189	W
H1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:41	7.76	8.99	20.8	28.68	3	2	98	0.211	W
H1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:41	7.14	9.4	21.3	28.68	3.11	3	98	0.244	W
M1	20190708	Cloudy	Moderate	Mid-Flood	B	7.0	10:52	7.67	8.8	21.1	28.79	2.64	2	99	0.194	W
M1	20190708	Cloudy	Moderate	Mid-Flood	B	7.0	10:52	7.29	9.31	21.1	28.73	2.34	4	98	0.223	SW
M1	20190708	Cloudy	Moderate	Mid-Flood	M	4.0	10:53	7.66	9.35	20.2	28.78	2.78	3	98	0.242	SW
M1	20190708	Cloudy	Moderate	Mid-Flood	M	4.0	10:53	7.47	9.28	20.7	28.75	2.91	4	98	0.247	SW
M1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:54	7.33	8.92	20.4	28.76	2.91	3	99	0.287	W
M1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:54	7.28	9.35	21.1	28.72	2.79	2	98	0.184	W
S1	20190708	Cloudy	Moderate	Mid-Flood	B	4.2	10:56	7.45	8.07	20	29.17	2.87	<2	99	0.211	SW
S1	20190708	Cloudy	Moderate	Mid-Flood	B	4.2	10:56	7.01	7.6	21.6	29.1	2.59	3	98	0.214	W
S1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:57	7.63	8.06	21.6	29.08	2.95	<2	98	0.263	W
S1	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	10:57	7.65	8	20.2	29.09	3.2	2	98	0.267	W
S2A	20190708	Cloudy	Moderate	Mid-Flood	B	8.3	11:24	7.59	7.92	20	29.05	2.61	<2	98	0.18	W
S2A	20190708	Cloudy	Moderate	Mid-Flood	B	8.3	11:24	6.85	7.89	20.4	29.02	2.89	3	99	0.257	W
S2A	20190708	Cloudy	Moderate	Mid-Flood	M	4.7	11:25	6.85	7.55	21.3	29.11	2.56	2	98	0.137	W
S2A	20190708	Cloudy	Moderate	Mid-Flood	M	4.7	11:25	6.94	7.64	20.7	29.11	2.83	<2	98	0.27	NW
S2A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:26	7.11	7.61	20.4	29.09	2.76	<2	98	0.163	W
S2A	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:26	7.22	7.74	20.8	29.01	2.95	2	98	0.29	SW
S3	20190708	Cloudy	Moderate	Mid-Flood	B	8.0	11:49	7.71	7.75	21.6	29.1	2.87	4	99	0.122	SW
S3	20190708	Cloudy	Moderate	Mid-Flood	B	8.0	11:49	7.01	7.97	21	29.15	2.54	3	99	0.244	NW
S3	20190708	Cloudy	Moderate	Mid-Flood	M	4.5	11:50	7.65	8.03	20.1	29.14	2.56	4	99	0.15	W
S3	20190708	Cloudy	Moderate	Mid-Flood	M	4.5	11:50	7.46	7.62	21.5	29.2	2.72	4	98	0.233	W
S3	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:51	7.35	7.8	20.5	29.05	2.83	2	98	0.148	SW
S3	20190708	Cloudy	Moderate	Mid-Flood	S	1.0	11:51	7.76	7.97	21.5	29.12	2.69	2	99	0.178	W
B1	20190708	Cloudy	Moderate	Mid-Ebb	B	4.0	15:49	6.91	8.15	21.6	29.36	3.01	3	98	0.099	E
B1	20190708	Cloudy	Moderate	Mid-Ebb	B	4.0	15:49	6.95	7.65	21.1	29.47	2.53	4	98	0.135	SE
B1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:50	6.96	8.19	20.5	29.47	3.01	3	98	0.135	SE
B1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:50	6.91	7.69	21.1	29.52	2.69	2	98	0.082	S

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20190708	Cloudy	Moderate	Mid-Ebb	B	4.7	16:08	7	7.79	20.4	29.62	2.83	3	99	0.108	S
B2	20190708	Cloudy	Moderate	Mid-Ebb	B	4.7	16:08	6.79	7.61	20.3	29.37	2.52	4	98	0.098	SE
B2	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:09	7.3	7.68	20.3	29.4	2.88	3	99	0.139	SE
B2	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:09	7.2	8.09	21.7	29.51	3.01	3	100	0.221	SE
B3	20190708	Cloudy	Moderate	Mid-Ebb	B	4.5	16:05	7.35	9.24	20.9	29	2.63	3	99	0.215	E
B3	20190708	Cloudy	Moderate	Mid-Ebb	B	4.5	16:05	7.44	9.14	20.9	28.92	2.69	4	99	0.148	E
B3	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:06	7.46	9.28	21.3	28.88	3.21	3	99	0.199	S
B3	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:06	7.15	9.1	20.2	28.96	2.91	4	98	0.184	SE
B4	20190708	Cloudy	Moderate	Mid-Ebb	B	3.5	16:16	7.36	8.85	21	28.85	2.92	3	99	0.148	SE
B4	20190708	Cloudy	Moderate	Mid-Ebb	B	3.5	16:16	7.51	9.19	20.3	28.83	2.7	2	99	0.107	SE
B4	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:17	7.11	8.87	21.5	28.98	2.84	3	99	0.201	S
B4	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:17	7.19	8.81	20.8	28.87	3.11	3	98	0.142	SE
C1A	20190708	Cloudy	Moderate	Mid-Ebb	B	8.7	15:21	7.14	7.76	20.6	29.57	2.55	2	99	0.218	SE
C1A	20190708	Cloudy	Moderate	Mid-Ebb	B	8.7	15:21	7.06	8.19	22.4	29.37	2.52	3	99	0.169	S
C1A	20190708	Cloudy	Moderate	Mid-Ebb	M	4.9	15:22	7.23	8.18	22	29.35	2.84	3	99	0.223	S
C1A	20190708	Cloudy	Moderate	Mid-Ebb	M	4.9	15:22	7.32	7.71	20.7	29.32	2.89	3	99	0.246	S
C1A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:23	7.08	7.6	20.8	29.44	3.19	3	99	0.12	SE
C1A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:23	7.04	7.83	21.5	29.34	3.1	3	98	0.16	SE
C2A	20190708	Cloudy	Moderate	Mid-Ebb	B	10.9	15:32	7.17	9.21	21.1	28.8	3.25	2	99	0.098	SE
C2A	20190708	Cloudy	Moderate	Mid-Ebb	B	10.9	15:32	7.59	9.38	20.3	28.96	3.16	3	99	0.102	E
C2A	20190708	Cloudy	Moderate	Mid-Ebb	M	6.0	15:33	7.32	8.78	21.2	28.86	2.78	2	99	0.089	S
C2A	20190708	Cloudy	Moderate	Mid-Ebb	M	6.0	15:33	7.36	8.99	20.5	28.98	2.94	3	99	0.155	SE
C2A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:34	7.22	9.13	21.2	28.95	2.93	4	100	0.166	E
C2A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:34	7.46	9.05	21.3	28.84	2.98	3	99	0.176	E
CR1	20190708	Cloudy	Moderate	Mid-Ebb	B	12.2	16:41	6.98	8.09	22.3	29.5	2.81	<2	99	0.093	SE
CR1	20190708	Cloudy	Moderate	Mid-Ebb	B	12.2	16:41	7.22	7.66	22	29.45	2.76	<2	98	0.138	S
CR1	20190708	Cloudy	Moderate	Mid-Ebb	M	6.6	16:42	7.15	8.22	20.7	29.51	3.05	2	99	0.143	SE
CR1	20190708	Cloudy	Moderate	Mid-Ebb	M	6.6	16:42	6.97	7.82	21.5	29.46	2.85	2	99	0.124	S
CR1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:43	7.11	8.16	20.9	29.48	2.76	2	99	0.152	S

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:43	7.09	8	21	29.57	3.12	<2	99	0.13	SE
CR2	20190708	Cloudy	Moderate	Mid-Ebb	B	10.2	15:52	7.3	8.03	21	29.6	2.81	3	98	0.135	SE
CR2	20190708	Cloudy	Moderate	Mid-Ebb	B	10.2	15:52	6.87	8.03	20.9	29.55	2.93	3	98	0.185	S
CR2	20190708	Cloudy	Moderate	Mid-Ebb	M	5.6	15:53	7.08	7.61	21.9	29.47	2.74	3	99	0.181	SE
CR2	20190708	Cloudy	Moderate	Mid-Ebb	M	5.6	15:53	7.07	7.82	20.6	29.53	2.93	3	98	0.164	E
CR2	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:54	7.1	7.76	22.1	29.56	3.19	<2	98	0.195	E
CR2	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:54	6.78	8.1	21.2	29.51	2.8	2	99	0.192	SE
F1A	20190708	Cloudy	Moderate	Mid-Ebb	B	8.1	17:12	7.15	9.26	21	28.88	2.63	3	99	0.2	SE
F1A	20190708	Cloudy	Moderate	Mid-Ebb	B	8.1	17:12	7.19	8.94	20.5	28.81	2.78	2	98	0.096	S
F1A	20190708	Cloudy	Moderate	Mid-Ebb	M	4.6	17:13	7.1	8.89	21	28.96	2.64	<2	98	0.078	SE
F1A	20190708	Cloudy	Moderate	Mid-Ebb	M	4.6	17:13	7.35	9.36	21.5	28.83	2.83	2	98	0.193	S
F1A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	17:14	7.39	9.08	21.7	29	2.98	<2	99	0.101	E
F1A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	17:14	7.51	9.45	20.9	28.97	3.15	3	98	0.136	E
H1	20190708	Cloudy	Moderate	Mid-Ebb	B	7.5	17:05	7.49	9.1	20.6	28.82	2.97	4	98	0.097	SE
H1	20190708	Cloudy	Moderate	Mid-Ebb	B	7.5	17:05	7.58	8.81	21.6	28.95	2.56	4	99	0.228	SE
H1	20190708	Cloudy	Moderate	Mid-Ebb	M	4.3	17:06	7.32	8.72	21.3	28.81	3.33	5	99	0.196	E
H1	20190708	Cloudy	Moderate	Mid-Ebb	M	4.3	17:06	7.34	9.5	20.9	28.98	2.76	4	99	0.212	S
H1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	17:07	7.15	9.05	21.7	28.96	2.82	4	99	0.178	SE
H1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	17:07	7.17	8.86	21.1	28.88	2.75	5	99	0.183	SE
M1	20190708	Cloudy	Moderate	Mid-Ebb	B	7.7	17:40	7.46	9.04	20.7	28.93	2.94	<2	98	0.088	E
M1	20190708	Cloudy	Moderate	Mid-Ebb	B	7.7	17:40	7.37	8.8	21.9	28.93	2.75	2	98	0.18	S
M1	20190708	Cloudy	Moderate	Mid-Ebb	M	4.4	17:41	7.56	9.52	20.2	28.82	2.66	2	98	0.163	S
M1	20190708	Cloudy	Moderate	Mid-Ebb	M	4.4	17:41	7.32	8.8	21.2	28.97	2.71	2	98	0.221	S
M1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	17:42	7.53	9.52	20.3	28.99	2.77	3	98	0.166	SE
M1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	17:42	7.35	8.83	20.7	28.88	2.88	2	97	0.231	SE
S1	20190708	Cloudy	Moderate	Mid-Ebb	B	4.5	15:58	7.27	7.78	21.2	29.45	2.67	3	99	0.097	S
S1	20190708	Cloudy	Moderate	Mid-Ebb	B	4.5	15:58	7.06	7.89	20.9	29.33	2.56	3	99	0.144	E
S1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:59	7.31	7.79	21.2	29.35	2.91	3	98	0.149	S
S1	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	15:59	7.31	8.01	21.2	29.48	2.81	2	98	0.08	S



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Integrated Waste Management Facilities, Phase 1  
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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190708	Cloudy	Moderate	Mid-Ebb	B	7.7	16:25	6.9	7.76	21.2	29.5	2.89	2	98	0.218	SE
S2A	20190708	Cloudy	Moderate	Mid-Ebb	B	7.7	16:25	6.96	7.97	21.8	29.4	2.82	2	98	0.182	S
S2A	20190708	Cloudy	Moderate	Mid-Ebb	M	4.4	16:26	6.81	8.15	21.9	29.6	3.07	2	99	0.158	SE
S2A	20190708	Cloudy	Moderate	Mid-Ebb	M	4.4	16:26	6.88	8.02	22.4	29.63	2.92	3	99	0.079	E
S2A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:27	7.19	8.13	20.7	29.56	2.67	3	98	0.241	S
S2A	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:27	6.77	8.13	20.2	29.4	3.26	3	99	0.215	S
S3	20190708	Cloudy	Moderate	Mid-Ebb	B	9.7	16:51	7.19	8.14	21.1	29.49	2.95	3	99	0.208	S
S3	20190708	Cloudy	Moderate	Mid-Ebb	B	9.7	16:51	7.25	7.67	21.3	29.52	2.52	3	98	0.193	E
S3	20190708	Cloudy	Moderate	Mid-Ebb	M	5.4	16:52	7.1	7.65	22.1	29.36	2.59	<2	98	0.129	S
S3	20190708	Cloudy	Moderate	Mid-Ebb	M	5.4	16:52	6.81	7.84	21.7	29.35	2.91	3	98	0.122	SE
S3	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:53	7.16	8.08	21.6	29.58	2.83	<2	99	0.153	SE
S3	20190708	Cloudy	Moderate	Mid-Ebb	S	1.0	16:53	6.79	7.64	21.7	29.53	2.79	2	99	0.156	S
B1	20190710	Cloudy	Moderate	Mid-Flood	B	3.5	12:06	8.04	8.3	19.6	29.21	2.56	5	90	0.289	NW
B1	20190710	Cloudy	Moderate	Mid-Flood	B	3.5	12:06	8.49	8.28	20.4	29.2	2.32	6	93	0.235	NW
B1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:07	7.67	8.08	19.8	29.23	2.89	3	93	0.135	SW
B1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:07	8.38	8.21	19.9	29.19	3.01	3	90	0.211	W
B2	20190710	Cloudy	Moderate	Mid-Flood	B	4.1	12:24	7.79	8.13	19.5	29.14	2.45	4	91	0.193	W
B2	20190710	Cloudy	Moderate	Mid-Flood	B	4.1	12:24	8.15	8.11	19.2	29.22	2.68	5	90	0.162	W
B2	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:25	8.47	8.27	19.9	29.19	2.77	4	91	0.194	W
B2	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:25	8.54	7.98	20.3	29.18	2.73	4	92	0.28	W
B3	20190710	Cloudy	Moderate	Mid-Flood	B	4.0	11:49	8.62	8.27	20.7	29.13	2.89	4	91	0.269	W
B3	20190710	Cloudy	Moderate	Mid-Flood	B	4.0	11:49	8.52	8.11	20.6	29.2	2.5	3	91	0.122	SW
B3	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:50	8.62	8.02	20.6	29.12	3.09	3	91	0.198	W
B3	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:50	8.61	8.07	21.1	29.19	2.72	3	92	0.234	W
B4	20190710	Cloudy	Moderate	Mid-Flood	B	4.6	12:00	8.64	8.07	21.4	29.16	2.35	3	92	0.237	W
B4	20190710	Cloudy	Moderate	Mid-Flood	B	4.6	12:00	8.32	8.08	21	29.14	2.79	4	90	0.185	NW
B4	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:01	8.38	8.07	20.5	29.17	2.75	4	91	0.258	SW
B4	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:01	8.42	7.95	20.2	29.18	3.17	3	91	0.226	W
C1A	20190710	Cloudy	Moderate	Mid-Flood	B	10.4	11:41	8.35	8.01	19.8	29.23	2.69	4	91	0.154	NW



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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190710	Cloudy	Moderate	Mid-Flood	B	10.4	11:41	7.92	8.19	20.3	29.18	2.37	4	92	0.26	W
C1A	20190710	Cloudy	Moderate	Mid-Flood	M	5.7	11:42	7.99	8.2	20.3	29.16	3.03	3	96	0.286	W
C1A	20190710	Cloudy	Moderate	Mid-Flood	M	5.7	11:42	7.97	8.23	19.3	29.16	2.9	4	91	0.27	SW
C1A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:43	8.56	8.05	19.4	29.22	2.94	3	95	0.274	W
C1A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:43	7.63	8.19	19.4	29.22	3.16	3	91	0.175	NW
C2A	20190710	Cloudy	Moderate	Mid-Flood	B	10.7	11:11	8.53	8.27	20.6	29.15	2.52	3	91	0.291	W
C2A	20190710	Cloudy	Moderate	Mid-Flood	B	10.7	11:11	8.45	8.28	21.2	29.18	2.7	3	94	0.236	W
C2A	20190710	Cloudy	Moderate	Mid-Flood	M	5.9	11:12	8.44	8.03	20.4	29.12	3.09	2	91	0.184	SW
C2A	20190710	Cloudy	Moderate	Mid-Flood	M	5.9	11:12	8.3	8.23	20.4	29.14	2.8	2	92	0.125	W
C2A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:13	8.61	7.95	20.2	29.13	2.99	2	90	0.248	W
C2A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:13	8.52	8.23	20.2	29.13	2.87	3	91	0.249	NW
F1A	20190710	Cloudy	Moderate	Mid-Flood	B	7.1	12:28	8.64	7.99	20.3	29.1	2.55	3	91	0.252	SW
F1A	20190710	Cloudy	Moderate	Mid-Flood	B	7.1	12:28	8.41	8.21	20.7	29.15	2.53	4	92	0.197	W
F1A	20190710	Cloudy	Moderate	Mid-Flood	M	4.1	12:29	8.6	8.14	20.8	29.19	2.55	3	91	0.128	SW
F1A	20190710	Cloudy	Moderate	Mid-Flood	M	4.1	12:29	8.47	8.05	20.9	29.16	2.82	4	91	0.209	W
F1A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:30	8.35	8.18	21.4	29.19	2.71	4	92	0.134	W
F1A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:30	8.51	8.28	21.2	29.2	2.69	2	95	0.28	NW
H1	20190710	Cloudy	Moderate	Mid-Flood	B	7.1	11:32	8.6	8.17	20.6	29.16	3.14	5	91	0.172	NW
H1	20190710	Cloudy	Moderate	Mid-Flood	B	7.1	11:32	8.36	8.2	20.5	29.14	3.22	6	90	0.22	W
H1	20190710	Cloudy	Moderate	Mid-Flood	M	4.1	11:33	8.53	8.11	20.8	29.19	2.95	3	90	0.237	SW
H1	20190710	Cloudy	Moderate	Mid-Flood	M	4.1	11:33	8.56	7.97	20.8	29.17	3.25	2	92	0.139	SW
H1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:34	9.09	8.14	20.4	29.22	4.4	2	92	0.286	W
H1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	11:34	8.87	8.15	20.4	29.22	3.85	3	92	0.241	W
M1	20190710	Cloudy	Moderate	Mid-Flood	B	6.9	13:07	8.46	8.2	21	29.19	2.52	<2	96	0.167	SW
M1	20190710	Cloudy	Moderate	Mid-Flood	B	6.9	13:07	8.59	7.95	20.4	29.19	2.84	<2	96	0.199	SW
M1	20190710	Cloudy	Moderate	Mid-Flood	M	4.0	13:08	8.67	8.21	21	29.15	2.9	<2	95	0.274	W
M1	20190710	Cloudy	Moderate	Mid-Flood	M	4.0	13:08	8.35	7.95	20.5	29.18	2.86	<2	92	0.157	W
M1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:09	8.31	8.17	20.3	29.17	2.95	<2	92	0.124	NW
M1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:09	8.31	8.18	21.1	29.15	2.74	<2	95	0.179	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190710	Cloudy	Moderate	Mid-Flood	B	11.9	13:23	8.15	8.07	20	29.21	2.75	3	97	0.15	NW
CR1	20190710	Cloudy	Moderate	Mid-Flood	B	11.9	13:23	7.78	8.08	19.2	29.21	2.64	3	96	0.135	NW
CR1	20190710	Cloudy	Moderate	Mid-Flood	M	6.5	13:24	8.04	8.25	19.7	29.25	2.79	<2	96	0.234	W
CR1	20190710	Cloudy	Moderate	Mid-Flood	M	6.5	13:24	8.49	8.3	20	29.24	2.86	<2	96	0.232	W
CR1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:25	7.96	8.22	19.4	29.19	2.77	<2	96	0.281	NW
CR1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:25	8.35	8.3	19.9	29.17	2.67	<2	96	0.276	W
CR2	20190710	Cloudy	Moderate	Mid-Flood	B	10.1	12:58	7.7	8.22	19.4	29.18	2.37	2	93	0.179	W
CR2	20190710	Cloudy	Moderate	Mid-Flood	B	10.1	12:58	8.39	8.13	19.3	29.17	2.83	3	92	0.181	SW
CR2	20190710	Cloudy	Moderate	Mid-Flood	M	5.6	12:59	7.96	8.26	19.3	29.2	2.88	2	92	0.276	W
CR2	20190710	Cloudy	Moderate	Mid-Flood	M	5.6	12:59	7.86	8.29	20.1	29.17	2.65	2	93	0.198	W
CR2	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:00	8.4	8.29	19.5	29.15	2.81	2	96	0.247	NW
CR2	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:00	8.1	8.09	19.6	29.23	3.15	2	92	0.216	W
S1	20190710	Cloudy	Moderate	Mid-Flood	B	4.6	12:15	7.94	8.14	19.4	29.16	2.67	3	90	0.264	W
S1	20190710	Cloudy	Moderate	Mid-Flood	B	4.6	12:15	7.92	8.11	20.1	29.2	2.59	4	90	0.197	NW
S1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:16	7.64	8.29	19.7	29.25	3.26	2	91	0.208	W
S1	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:16	7.89	8.06	19.5	29.19	3.19	3	91	0.19	W
S2A	20190710	Cloudy	Moderate	Mid-Flood	B	8.3	12:42	7.64	7.99	19.5	29.14	2.32	2	92	0.292	W
S2A	20190710	Cloudy	Moderate	Mid-Flood	B	8.3	12:42	7.8	8.13	20.3	29.21	2.61	3	95	0.286	W
S2A	20190710	Cloudy	Moderate	Mid-Flood	M	4.7	12:43	7.78	8.08	19.8	29.16	2.72	3	91	0.192	W
S2A	20190710	Cloudy	Moderate	Mid-Flood	M	4.7	12:43	8.38	8.08	19.4	29.24	2.8	2	91	0.174	SW
S2A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:44	8	8.18	20.2	29.15	2.81	2	91	0.221	NW
S2A	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	12:44	8.34	7.97	19.8	29.19	2.97	3	92	0.204	W
S3	20190710	Cloudy	Moderate	Mid-Flood	B	8.1	13:09	7.69	7.97	19.9	29.18	2.78	3	95	0.268	W
S3	20190710	Cloudy	Moderate	Mid-Flood	B	8.1	13:09	7.67	7.95	19.4	29.23	2.91	2	96	0.218	NW
S3	20190710	Cloudy	Moderate	Mid-Flood	M	4.6	13:10	8.1	8.27	19.6	29.22	2.66	<2	94	0.126	SW
S3	20190710	Cloudy	Moderate	Mid-Flood	M	4.6	13:10	7.64	8.25	19.8	29.25	2.61	<2	95	0.276	NW
S3	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:11	8.22	8.17	19.7	29.2	3.02	<2	95	0.154	W
S3	20190710	Cloudy	Moderate	Mid-Flood	S	1.0	13:11	7.63	8.28	19.5	29.18	2.87	<2	95	0.221	W
B1	20190710	Cloudy	Moderate	Mid-Ebb	B	3.9	17:07	7.1	7.92	21	28.87	2.8	<2	95	0.243	S

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20190710	Cloudy	Moderate	Mid-Ebb	B	3.9	17:07	6.88	8.09	21	28.79	2.7	<2	98	0.21	S
B1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:08	7.11	7.99	21.2	28.89	3.04	<2	95	0.231	S
B1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:08	6.95	8.24	20.4	28.84	2.78	<2	95	0.137	E
B2	20190710	Cloudy	Moderate	Mid-Ebb	B	4.1	17:26	6.91	8.08	20.3	28.9	2.8	2	95	0.21	SE
B2	20190710	Cloudy	Moderate	Mid-Ebb	B	4.1	17:26	6.92	8.06	20.1	28.9	2.71	<2	94	0.194	S
B2	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:27	6.91	7.91	20.9	28.86	2.98	<2	96	0.171	S
B2	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:27	6.96	8.08	20.2	28.8	3.23	<2	97	0.097	SE
B3	20190710	Cloudy	Moderate	Mid-Ebb	B	3.4	17:28	9.02	8.1	20.3	28.89	2.77	2	96	0.107	S
B3	20190710	Cloudy	Moderate	Mid-Ebb	B	3.4	17:28	8.96	7.95	19.8	28.84	2.54	<2	96	0.219	S
B3	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:29	8.42	8.23	20	28.84	2.9	<2	96	0.151	SE
B3	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:29	8.36	8.01	20	28.82	2.77	2	96	0.104	SE
B4	20190710	Cloudy	Moderate	Mid-Ebb	B	4.0	17:39	8.28	8.18	20.2	28.79	2.92	<2	96	0.208	S
B4	20190710	Cloudy	Moderate	Mid-Ebb	B	4.0	17:39	8.33	8.12	20.4	28.85	2.65	<2	96	0.232	S
B4	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:40	8.44	8.2	20.5	28.77	2.96	<2	96	0.101	S
B4	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:40	8.6	7.93	20.2	28.81	3.12	<2	95	0.117	S
C1A	20190710	Cloudy	Moderate	Mid-Ebb	B	9.8	16:42	6.97	8.21	21	28.71	2.92	3	97	0.146	S
C1A	20190710	Cloudy	Moderate	Mid-Ebb	B	9.8	16:42	7.08	7.97	20.9	28.82	2.52	4	96	0.239	S
C1A	20190710	Cloudy	Moderate	Mid-Ebb	M	5.4	16:43	7.06	7.86	20.4	28.74	3.12	2	95	0.216	S
C1A	20190710	Cloudy	Moderate	Mid-Ebb	M	5.4	16:43	7.05	7.88	20.4	28.83	2.69	<2	94	0.25	E
C1A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	16:44	6.96	8.21	20.6	28.84	2.74	2	95	0.113	SE
C1A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	16:44	6.92	8	20.2	28.85	2.84	2	96	0.173	E
C2A	20190710	Cloudy	Moderate	Mid-Ebb	B	11.4	16:55	8.39	8.17	20.7	28.88	2.88	3	96	0.19	S
C2A	20190710	Cloudy	Moderate	Mid-Ebb	B	11.4	16:55	8.8	8.17	19.9	28.92	2.81	<2	95	0.237	SE
C2A	20190710	Cloudy	Moderate	Mid-Ebb	M	6.2	16:56	8.63	8.12	19.8	28.81	2.96	3	92	0.088	S
C2A	20190710	Cloudy	Moderate	Mid-Ebb	M	6.2	16:56	8.85	8.08	20.2	28.89	3.02	<2	96	0.102	E
C2A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	16:57	9.01	8.14	20.3	28.76	3.26	<2	95	0.178	S
C2A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	16:57	8.58	7.95	20.3	28.77	2.73	<2	95	0.102	S
F1A	20190710	Cloudy	Moderate	Mid-Ebb	B	7.5	18:06	8.48	8	20.4	28.78	2.49	2	92	0.129	SE
F1A	20190710	Cloudy	Moderate	Mid-Ebb	B	7.5	18:06	8.74	7.95	19.9	28.85	2.51	<2	92	0.214	SE

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 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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190710	Cloudy	Moderate	Mid-Ebb	M	4.3	18:07	8.74	8.04	20.4	28.88	2.9	<2	96	0.114	E
F1A	20190710	Cloudy	Moderate	Mid-Ebb	M	4.3	18:07	8.9	8.06	19.8	28.81	2.92	<2	93	0.119	S
F1A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:08	8.73	8.04	19.9	28.89	2.96	<2	95	0.088	S
F1A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:08	8.82	8.05	19.8	28.81	3.26	<2	96	0.087	SE
H1	20190710	Cloudy	Moderate	Mid-Ebb	B	6.9	17:13	8.93	8.14	19.8	28.92	3.27	<2	96	0.165	SE
H1	20190710	Cloudy	Moderate	Mid-Ebb	B	6.9	17:13	9.09	8.12	20	28.92	3.02	3	95	0.17	SE
H1	20190710	Cloudy	Moderate	Mid-Ebb	M	4.0	17:14	8.62	7.96	20.1	28.77	2.93	<2	96	0.135	E
H1	20190710	Cloudy	Moderate	Mid-Ebb	M	4.0	17:14	8.56	8.01	20.7	28.84	2.66	<2	96	0.221	E
H1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:15	8.85	8.06	19.9	28.84	2.76	<2	96	0.245	SE
H1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:15	8.79	8.03	20.1	28.93	2.85	<2	93	0.227	E
M1	20190710	Cloudy	Moderate	Mid-Ebb	B	8.2	18:39	8.45	7.93	20.2	28.9	2.96	<2	94	0.169	SE
M1	20190710	Cloudy	Moderate	Mid-Ebb	B	8.2	18:39	8.48	8.09	20.1	28.83	2.51		95	0.199	S
M1	20190710	Cloudy	Moderate	Mid-Ebb	M	4.6	18:40	8.49	8.15	19.8	28.77	2.95	2	96	0.108	E
M1	20190710	Cloudy	Moderate	Mid-Ebb	M	4.6	18:40	8.98	8.17	20.3	28.87	2.68	3	96	0.136	S
M1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:41	8.63	8.16	19.9	28.86	2.96	2	96	0.114	S
M1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:41	8.35	7.96	20.7	28.78	2.97	<2	96	0.096	E
CR1	20190710	Cloudy	Moderate	Mid-Ebb	B	12.0	18:24	6.84	8.06	20.3	28.73	2.8	<2	97	0.105	SE
CR1	20190710	Cloudy	Moderate	Mid-Ebb	B	12.0	18:24	6.87	7.98	20.9	28.83	2.62	3	97	0.083	SE
CR1	20190710	Cloudy	Moderate	Mid-Ebb	M	6.5	18:25	6.89	8.19	20.3	28.83	2.72	<2	96	0.18	SE
CR1	20190710	Cloudy	Moderate	Mid-Ebb	M	6.5	18:25	7.02	8.17	21.4	28.81	3.01	2	97	0.242	S
CR1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:26	7.07	7.96	20.4	28.76	2.78	<2	96	0.163	SE
CR1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:26	7.02	8.09	20.9	28.74	2.99	<2	96	0.161	S
CR2	20190710	Cloudy	Moderate	Mid-Ebb	B	9.8	17:58	6.96	7.95	20.1	28.73	2.81	3	96	0.17	S
CR2	20190710	Cloudy	Moderate	Mid-Ebb	B	9.8	17:58	7.01	7.94	20.5	28.9	2.43	<2	96	0.091	S
CR2	20190710	Cloudy	Moderate	Mid-Ebb	M	5.4	17:59	7	7.97	21.3	28.83	2.87	3	97	0.1	SE
CR2	20190710	Cloudy	Moderate	Mid-Ebb	M	5.4	17:59	6.95	8	20.1	28.83	2.91	2	96	0.079	E
CR2	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:00	7.09	8.07	20.5	28.75	2.94	<2	98	0.252	S
CR2	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:00	7.06	7.94	21.1	28.77	3.24	2	97	0.087	SE
S1	20190710	Cloudy	Moderate	Mid-Ebb	B	4.3	17:17	6.86	7.86	21.4	28.78	2.49	2	95	0.212	S

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20190710	Cloudy	Moderate	Mid-Ebb	B	4.3	17:17	7.09	8.2	20.5	28.89	2.86	2	96	0.111	E
S1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:18	6.92	8.15	20.1	28.82	3.09	<2	95	0.136	S
S1	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:18	6.89	8.15	20.8	28.86	3.09	<2	96	0.125	SE
S2A	20190710	Cloudy	Moderate	Mid-Ebb	B	7.8	17:43	6.94	8.11	21.2	28.71	2.43	2	95	0.24	S
S2A	20190710	Cloudy	Moderate	Mid-Ebb	B	7.8	17:43	6.88	8.15	21	28.7	2.78	<2	96	0.13	E
S2A	20190710	Cloudy	Moderate	Mid-Ebb	M	4.4	17:44	6.83	8.22	20.2	28.9	2.56	<2	95	0.175	SE
S2A	20190710	Cloudy	Moderate	Mid-Ebb	M	4.4	17:44	6.92	8.09	20.5	28.83	2.84	<2	96	0.105	SE
S2A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:45	7.1	8.24	20.1	28.77	2.77	<2	96	0.101	S
S2A	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	17:45	7.07	8.11	20.9	28.85	3.02	<2	96	0.214	E
S3	20190710	Cloudy	Moderate	Mid-Ebb	B	9.5	18:08	6.92	7.86	21.4	28.72	3.02	2	95	0.095	E
S3	20190710	Cloudy	Moderate	Mid-Ebb	B	9.5	18:08	7.05	7.97	21.4	28.85	2.83	<2	96	0.174	SE
S3	20190710	Cloudy	Moderate	Mid-Ebb	M	5.3	18:09	7.03	8.14	20.6	28.85	2.9	<2	97	0.098	E
S3	20190710	Cloudy	Moderate	Mid-Ebb	M	5.3	18:09	7.12	7.92	20.8	28.86	2.74	<2	96	0.151	SE
S3	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:10	7.1	7.87	21.1	28.86	3.13	<2	98	0.155	SE
S3	20190710	Cloudy	Moderate	Mid-Ebb	S	1.0	18:10	7.11	8.11	21.3	28.88	2.72	<2	97	0.252	S
B1	20190712	Cloudy	Moderate	Mid-Ebb	B	3.9	9:27	7.01	7.67	20.9	29.47	2.97	7	100	0.151	SE
B1	20190712	Cloudy	Moderate	Mid-Ebb	B	3.9	9:27	6.88	8.1	21.7	29.41	2.47	7	99	0.082	SE
B1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:28	6.91	8.23	21.4	29.36	2.95	6	100	0.238	S
B1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:28	7.58	7.88	20.9	29.3	3.25	7	100	0.208	E
B2	20190712	Cloudy	Moderate	Mid-Ebb	B	4.0	9:48	6.84	7.76	21.1	29.36	3.02	7	100	0.187	SE
B2	20190712	Cloudy	Moderate	Mid-Ebb	B	4.0	9:48	7.14	7.82	21.8	29.39	2.59	6	100	0.219	E
B2	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:49	7.92	7.79	20.4	29.41	2.78	6	99	0.117	S
B2	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:49	7.36	8.05	21.7	29.37	2.8	6	100	0.225	E
B3	20190712	Cloudy	Moderate	Mid-Ebb	B	3.7	9:52	9.56	7.63	21.5	29.4	2.45	6	99	0.198	S
B3	20190712	Cloudy	Moderate	Mid-Ebb	B	3.7	9:52	8.9	8.07	21	29.43	2.73	7	99	0.146	SE
B3	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:53	9.03	8.06	20.3	29.44	2.85	6	100	0.113	SE
B3	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:53	9.21	8.17	20.9	29.53	3.01	5	99	0.101	SE
B4	20190712	Cloudy	Moderate	Mid-Ebb	B	3.8	10:05	9.92	8.29	21.7	29.52	2.88	6	99	0.125	S
B4	20190712	Cloudy	Moderate	Mid-Ebb	B	3.8	10:05	9.35	8.23	22.3	29.47	2.78	6	100	0.16	SE

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B4	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:06	9.82	7.98	22.2	29.44	2.81	6	99	0.151	E
B4	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:06	9.36	7.62	21.2	29.46	2.88	6	99	0.249	S
C1A	20190712	Cloudy	Moderate	Mid-Ebb	B	9.7	9:03	6.95	7.92	21.2	29.37	2.63	9	98	0.2	E
C1A	20190712	Cloudy	Moderate	Mid-Ebb	B	9.7	9:03	7.03	7.91	22.4	29.46	2.64	8	99	0.182	SE
C1A	20190712	Cloudy	Moderate	Mid-Ebb	M	5.4	9:04	7.66	7.67	21.3	29.3	2.54	8	99	0.173	S
C1A	20190712	Cloudy	Moderate	Mid-Ebb	M	5.4	9:04	7.05	8.23	22.2	29.46	2.81	9	99	0.197	E
C1A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:05	7.33	7.66	21.4	29.32	3.26	8	99	0.101	S
C1A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:05	7.01	8.16	20.3	29.32	3.1	7	99	0.24	SE
C2A	20190712	Cloudy	Moderate	Mid-Ebb	B	11.2	9:19	9.07	8.01	21.4	29.56	3.17	5	98	0.089	SE
C2A	20190712	Cloudy	Moderate	Mid-Ebb	B	11.2	9:19	9.03	7.81	21.9	29.57	3.29	5	99	0.133	SE
C2A	20190712	Cloudy	Moderate	Mid-Ebb	M	6.1	9:20	9.72	7.95	20.8	29.46	2.97	4	99	0.143	E
C2A	20190712	Cloudy	Moderate	Mid-Ebb	M	6.1	9:20	9.78	8.14	20.6	29.41	3.12	5	99	0.241	S
C2A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:21	9.88	8.13	22	29.55	3.03	5	99	0.22	SE
C2A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:21	9.21	7.88	21.5	29.54	3.17	4	99	0.081	SE
F1A	20190712	Cloudy	Moderate	Mid-Ebb	B	8.0	10:34	9.24	8.27	20.2	29.57	2.99	4	99	0.196	S
F1A	20190712	Cloudy	Moderate	Mid-Ebb	B	8.0	10:34	9.51	8.3	22.4	29.59	2.44	4	99	0.208	S
F1A	20190712	Cloudy	Moderate	Mid-Ebb	M	4.5	10:35	9.3	8.21	22.2	29.53	2.61	5	99	0.175	S
F1A	20190712	Cloudy	Moderate	Mid-Ebb	M	4.5	10:35	9.54	7.6	21.6	29.52	2.69	5	99	0.086	SE
F1A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:36	9.45	7.7	22.2	29.54	3.08	5	98	0.111	S
F1A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:36	9.22	8.23	21.1	29.5	2.9	5	99	0.244	SE
H1	20190712	Cloudy	Moderate	Mid-Ebb	B	7.2	9:38	8.84	7.75	21.9	29.58	3.44	7	99	0.164	S
H1	20190712	Cloudy	Moderate	Mid-Ebb	B	7.2	9:38	8.84	7.86	20.9	29.52	2.96	7	100	0.117	E
H1	20190712	Cloudy	Moderate	Mid-Ebb	M	4.1	9:39	9.74	8.06	20.4	29.57	3.56	7	98	0.12	SE
H1	20190712	Cloudy	Moderate	Mid-Ebb	M	4.1	9:39	8.56	7.92	20.8	29.43	2.71	6	98	0.098	S
H1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:40	8.98	7.65	20.4	29.49	3.18	5	99	0.155	S
H1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:40	8.95	7.9	20.3	29.42	2.92	6	99	0.21	SE
M1	20190712	Cloudy	Moderate	Mid-Ebb	B	7.7	11:10	9.27	7.74	22.3	29.46	2.84	5	99	0.143	S
M1	20190712	Cloudy	Moderate	Mid-Ebb	B	7.7	11:10	9.75	7.61	21.9	29.4	2.91	6	98	0.147	S
M1	20190712	Cloudy	Moderate	Mid-Ebb	M	4.4	11:11	9.06	7.75	20.8	29.56	3.06	5	99	0.124	E



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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20190712	Cloudy	Moderate	Mid-Ebb	M	4.4	11:11	9	8.28	20.7	29.55	2.6	6	98	0.183	SE
M1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	11:12	9.15	8.11	22.4	29.55	3.16	5	100	0.232	S
M1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	11:12	9.42	7.73	22.3	29.55	2.82	4	99	0.173	E
CR1	20190712	Cloudy	Moderate	Mid-Ebb	B	12.4	10:41	7.02	7.83	22.2	29.42	2.9	5	99	0.199	S
CR1	20190712	Cloudy	Moderate	Mid-Ebb	B	12.4	10:41	7.87	7.76	22.4	29.49	3.01	6	99	0.246	E
CR1	20190712	Cloudy	Moderate	Mid-Ebb	M	6.7	10:42	7.04	7.68	22	29.41	2.55	5	99	0.142	S
CR1	20190712	Cloudy	Moderate	Mid-Ebb	M	6.7	10:42	7.33	7.67	21.8	29.38	2.85	6	99	0.102	S
CR1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:43	7.82	7.94	20.3	29.45	2.78	6	99	0.194	S
CR1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:43	7.43	7.72	21.1	29.46	2.73	5	99	0.214	SE
CR2	20190712	Cloudy	Moderate	Mid-Ebb	B	10.7	10:17	7.04	7.84	20.9	29.31	2.85	6	99	0.204	S
CR2	20190712	Cloudy	Moderate	Mid-Ebb	B	10.7	10:17	7.08	7.83	22.4	29.49	2.86	6	99	0.116	SE
CR2	20190712	Cloudy	Moderate	Mid-Ebb	M	5.9	10:18	7.52	8.07	22	29.45	3.12	5	98	0.227	S
CR2	20190712	Cloudy	Moderate	Mid-Ebb	M	5.9	10:18	7.45	7.91	20.5	29.5	2.59	4	99	0.216	E
CR2	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:19	7.05	7.86	21.3	29.44	2.9	4	98	0.103	S
CR2	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:19	7.34	7.72	21.5	29.3	2.84	5	99	0.149	E
S1	20190712	Cloudy	Moderate	Mid-Ebb	B	4.1	9:38	7.11	8.06	20.4	29.43	2.83	5	100	0.247	S
S1	20190712	Cloudy	Moderate	Mid-Ebb	B	4.1	9:38	7.88	8.24	21.5	29.5	2.45	5	99	0.243	SE
S1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:39	6.95	7.6	20.2	29.33	2.87	4	99	0.241	S
S1	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	9:39	6.9	7.81	20.8	29.3	3.07	3	99	0.188	S
S2A	20190712	Cloudy	Moderate	Mid-Ebb	B	8.1	10:04	7.4	7.81	20.9	29.41	3	4	99	0.086	E
S2A	20190712	Cloudy	Moderate	Mid-Ebb	B	8.1	10:04	7.42	8	20.2	29.39	3.02	5	99	0.197	SE
S2A	20190712	Cloudy	Moderate	Mid-Ebb	M	4.6	10:05	7.21	7.98	21.7	29.49	2.58	4	99	0.164	S
S2A	20190712	Cloudy	Moderate	Mid-Ebb	M	4.6	10:05	7.66	8.11	21.9	29.44	3.04	4	99	0.177	SE
S2A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:06	7.29	7.88	20.7	29.45	2.71	5	100	0.14	S
S2A	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:06	7.2	8.11	21.8	29.33	2.94	5	99	0.177	SE
S3	20190712	Cloudy	Moderate	Mid-Ebb	B	9.0	10:26	7.44	8.13	22.1	29.3	2.89	5	99	0.121	S
S3	20190712	Cloudy	Moderate	Mid-Ebb	B	9.0	10:26	7.69	7.62	21.6	29.36	2.7	5	100	0.1	SE
S3	20190712	Cloudy	Moderate	Mid-Ebb	M	5.0	10:27	7.66	7.85	21.3	29.34	2.85	6	99	0.158	S
S3	20190712	Cloudy	Moderate	Mid-Ebb	M	5.0	10:27	6.83	7.68	20.3	29.4	2.78	6	98	0.221	SE



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S3	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:28	7.74	7.74	20.6	29.32	3.25	7	98	0.092	E
S3	20190712	Cloudy	Moderate	Mid-Ebb	S	1.0	10:28	7.32	7.67	22.4	29.46	3.03	7	100	0.252	SE
B1	20190712	Cloudy	Moderate	Mid-Flood	B	4.5	14:26	7.39	7.73	21.7	28.83	2.34	4	99	0.126	W
B1	20190712	Cloudy	Moderate	Mid-Flood	B	4.5	14:26	7.46	7.57	21.7	28.84	2.38	5	99	0.27	W
B1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:27	7.16	7.96	21.6	28.91	2.92	4	100	0.266	W
B1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:27	7.12	8.14	21.4	28.98	2.88	4	99	0.285	NW
B2	20190712	Cloudy	Moderate	Mid-Flood	B	3.7	14:46	7.04	7.88	21.3	28.92	2.91	4	100	0.16	SW
B2	20190712	Cloudy	Moderate	Mid-Flood	B	3.7	14:46	7.33	7.62	21.2	28.94	2.9	5	100	0.291	W
B2	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:47	7.09	7.89	21.3	28.96	2.86	4	99	0.242	W
B2	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:47	7.37	7.77	21.6	28.93	2.68	4	99	0.146	W
B3	20190712	Cloudy	Moderate	Mid-Flood	B	3.6	14:31	8.92	8.16	20.7	28.95	2.49	6	99	0.213	SW
B3	20190712	Cloudy	Moderate	Mid-Flood	B	3.6	14:31	8.85	8.26	20.8	29.07	2.46	5	100	0.211	W
B3	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:32	9.5	8.09	20.5	29	3.05	4	100	0.216	W
B3	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:32	9.05	8.26	21.2	29.06	2.93	5	99	0.217	W
B4	20190712	Cloudy	Moderate	Mid-Flood	B	4.5	14:44	8.96	8.33	20.6	29.17	2.36	7	99	0.135	W
B4	20190712	Cloudy	Moderate	Mid-Flood	B	4.5	14:44	9.54	8.32	21	28.98	2.58	6	99	0.283	SW
B4	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:45	9.14	8.04	21.1	29.13	2.9	6	99	0.202	W
B4	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:45	9.29	7.94	20.9	28.99	3.18	6	100	0.216	W
C1A	20190712	Cloudy	Moderate	Mid-Flood	B	9.3	14:02	7.06	8.07	21.3	28.89	2.48	7	100	0.213	NW
C1A	20190712	Cloudy	Moderate	Mid-Flood	B	9.3	14:02	7.35	7.94	21.7	29	2.83	6	98	0.174	W
C1A	20190712	Cloudy	Moderate	Mid-Flood	M	5.2	14:03	7.16	7.6	21.5	28.84	2.6	7	99	0.175	W
C1A	20190712	Cloudy	Moderate	Mid-Flood	M	5.2	14:03	7.02	7.73	21.6	28.92	2.61	6	99	0.229	SW
C1A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:04	7.28	7.62	21.3	28.99	3.15	5	98	0.254	W
C1A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:04	7.15	7.99	21.2	28.93	3.02	4	99	0.14	W
C2A	20190712	Cloudy	Moderate	Mid-Flood	B	10.5	13:59	9.65	8.27	20.6	28.92	3.13	7	99	0.164	W
C2A	20190712	Cloudy	Moderate	Mid-Flood	B	10.5	13:59	9.26	8.18	21.1	29.11	3.12	7	99	0.208	W
C2A	20190712	Cloudy	Moderate	Mid-Flood	M	5.8	14:00	9.69	8.28	20.9	28.96	2.9	8	99	0.254	NW
C2A	20190712	Cloudy	Moderate	Mid-Flood	M	5.8	14:00	9.34	8.16	20.9	29.12	3.13	7	99	0.258	SW
C2A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:01	9.01	7.94	21.3	28.96	3.15	4	99	0.147	W
C2A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:01	8.82	8.26	20.4	29.02	3.21	6	99	0.214	SW

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190712	Cloudy	Moderate	Mid-Flood	B	7.7	15:15	9.47	7.97	20.2	29.07	2.33	8	99	0.262	SW
F1A	20190712	Cloudy	Moderate	Mid-Flood	B	7.7	15:15	9.29	8.13	20.3	29.17	2.72	8	100	0.175	NW
F1A	20190712	Cloudy	Moderate	Mid-Flood	M	4.4	15:16	9.43	7.87	21.2	29.13	3.01	8	100	0.279	SW
F1A	20190712	Cloudy	Moderate	Mid-Flood	M	4.4	15:16	9.39	7.88	20.9	28.98	2.86	8	99	0.263	W
F1A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:17	9.34	8.24	20.9	29.12	3.18	6	100	0.143	SW
F1A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:17	9.49	8.3	20.2	29.14	2.77	6	99	0.141	W
H1	20190712	Cloudy	Moderate	Mid-Flood	B	6.7	14:18	9.14	8.26	21.4	29.16	2.51	7	99	0.186	W
H1	20190712	Cloudy	Moderate	Mid-Flood	B	6.7	14:18	9.04	8.28	21	28.98	2.78	7	99	0.211	W
H1	20190712	Cloudy	Moderate	Mid-Flood	M	3.9	14:19	9.56	8.23	20.7	28.99	3.09	6	99	0.201	SW
H1	20190712	Cloudy	Moderate	Mid-Flood	M	3.9	14:19	8.99	8.01	21.4	28.99	2.96	5	98	0.21	NW
H1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:20	8.91	8	20.5	29.07	2.77	6	98	0.198	W
H1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:20	9.32	8.13	20.8	29.16	3.13	6	98	0.132	W
M1	20190712	Cloudy	Moderate	Mid-Flood	B	6.7	15:49	9.03	8.3	21.3	29.1	2.38	8	100	0.233	NW
M1	20190712	Cloudy	Moderate	Mid-Flood	B	6.7	15:49	9.42	8.24	21.4	28.95	2.52	9	99	0.136	SW
M1	20190712	Cloudy	Moderate	Mid-Flood	M	3.9	15:50	9.21	8.1	20.2	29.01	2.92	7	100	0.264	SW
M1	20190712	Cloudy	Moderate	Mid-Flood	M	3.9	15:50	9.66	8.15	21.1	29.14	3.12	7	98	0.174	SW
M1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:51	9.48	8.08	21.4	29.2	2.77	6	100	0.153	W
M1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:51	9.35	7.86	20.8	28.93	2.99	6	99	0.153	NW
CR1	20190712	Cloudy	Moderate	Mid-Flood	B	11.2	15:40	7.23	8.06	21.6	28.95	2.39	9	102	0.175	W
CR1	20190712	Cloudy	Moderate	Mid-Flood	B	11.2	15:40	7.49	7.64	21.4	28.93	2.48	8	101	0.236	W
CR1	20190712	Cloudy	Moderate	Mid-Flood	M	6.1	15:41	7.44	7.73	21.4	28.99	3.01	8	103	0.259	W
CR1	20190712	Cloudy	Moderate	Mid-Flood	M	6.1	15:41	7.48	7.76	21.4	28.97	2.58	9	102	0.165	W
CR1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:42	7.2	8.1	21.4	28.91	3.17	8	101	0.24	NW
CR1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:42	7.37	7.99	21.5	28.8	3.04	8	100	0.207	W
CR2	20190712	Cloudy	Moderate	Mid-Flood	B	9.7	15:16	7.18	8.03	21.2	28.91	2.39	8	102	0.19	NW
CR2	20190712	Cloudy	Moderate	Mid-Flood	B	9.7	15:16	7.09	7.62	21.6	28.85	2.56	8	102	0.185	W
CR2	20190712	Cloudy	Moderate	Mid-Flood	M	5.4	15:17	6.92	7.97	21.4	28.88	2.8	6	101	0.205	W
CR2	20190712	Cloudy	Moderate	Mid-Flood	M	5.4	15:17	7.27	8.01	21.4	28.82	2.75	6	102	0.196	W
CR2	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:18	6.96	7.72	21.4	28.99	2.85	5	102	0.258	W
CR2	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:18	7.02	7.55	21.7	28.99	2.91	6	101	0.252	NW

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20190712	Cloudy	Moderate	Mid-Flood	B	4.7	14:36	6.99	7.96	21.6	28.86	2.42	6	100	0.153	SW
S1	20190712	Cloudy	Moderate	Mid-Flood	B	4.7	14:36	7.07	7.55	21.7	28.8	2.47	5	98	0.142	SW
S1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:37	7.37	7.92	21.3	28.87	3.07	5	100	0.172	SW
S1	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	14:37	6.93	7.94	21.2	28.82	2.83	4	100	0.246	NW
S2A	20190712	Cloudy	Moderate	Mid-Flood	B	8.1	15:04	7.39	7.79	21.5	28.85	2.38	5	100	0.179	W
S2A	20190712	Cloudy	Moderate	Mid-Flood	B	8.1	15:04	6.94	7.86	21.5	28.91	2.74	4	101	0.216	SW
S2A	20190712	Cloudy	Moderate	Mid-Flood	M	4.6	15:05	7.1	7.68	21.5	28.8	2.83	5	101	0.139	W
S2A	20190712	Cloudy	Moderate	Mid-Flood	M	4.6	15:05	7.45	8.08	21.7	28.93	3.13	4	101	0.251	NW
S2A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:06	7.13	8.01	21.5	28.91	3.25	5	101	0.132	W
S2A	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:06	7.04	7.89	21.6	28.86	2.83	5	100	0.146	SW
S3	20190712	Cloudy	Moderate	Mid-Flood	B	9.6	15:25	7.28	8.08	21.3	28.96	2.38	7	100	0.129	NW
S3	20190712	Cloudy	Moderate	Mid-Flood	B	9.6	15:25	6.99	7.98	21.4	28.93	2.79	6	100	0.249	SW
S3	20190712	Cloudy	Moderate	Mid-Flood	M	5.3	15:26	7.42	7.75	21.6	28.81	3.15	6	101	0.259	SW
S3	20190712	Cloudy	Moderate	Mid-Flood	M	5.3	15:26	6.91	7.56	21.5	28.93	2.93	7	100	0.207	NW
S3	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:27	7.36	7.96	21.3	28.86	3.13	6	100	0.191	W
S3	20190712	Cloudy	Moderate	Mid-Flood	S	1.0	15:27	7.17	7.69	21.3	28.82	2.77	7	100	0.263	W
B1	20190715	Sunny	Moderate	Mid-Ebb	B	3.8	11:11	7.95	8.18	19	30.34	3.5	6	96	0.133	E
B1	20190715	Sunny	Moderate	Mid-Ebb	B	3.8	11:11	8.1	8.27	19	30.44	3.05	6	96	0.089	S
B1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:12	7.68	7.8	18.8	30.44	3.48	5	95	0.159	SE
B1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:12	8	7.97	18.8	30.35	3.51	6	95	0.234	SE
B2	20190715	Sunny	Moderate	Mid-Ebb	B	4.8	11:30	7.89	8.07	18.9	30.38	3.08	5	95	0.164	S
B2	20190715	Sunny	Moderate	Mid-Ebb	B	4.8	11:30	7.06	8.42	19.1	30.33	3.15	4	96	0.092	S
B2	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:31	7.7	7.89	19.2	30.35	3.66	5	97	0.238	E
B2	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:31	7.31	8.07	19.3	30.36	3.38	5	96	0.24	S
B3	20190715	Sunny	Moderate	Mid-Ebb	B	4.2	11:40	8.7	8.44	19.6	30.44	3.05	6	94	0.223	SE
B3	20190715	Sunny	Moderate	Mid-Ebb	B	4.2	11:40	8.72	8.49	19.5	30.47	3.33	6	96	0.241	E
B3	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:41	9.18	8.43	19.5	30.38	3.5	6	95	0.239	SE
B3	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:41	8.79	8.45	19.4	30.42	3.58	4	95	0.171	S
B4	20190715	Sunny	Moderate	Mid-Ebb	B	3.4	11:52	8.63	8.4	19.5	30.39	3.32	4	95	0.177	E
B4	20190715	Sunny	Moderate	Mid-Ebb	B	3.4	11:52	8.82	8.46	19.5	30.46	3.11	5	96	0.12	SE

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B4	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:53	8.83	8.43	19.6	30.47	3.8	4	97	0.195	SE
B4	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:53	9.17	8.44	19.3	30.47	3.86	5	97	0.169	SE
C1A	20190715	Sunny	Moderate	Mid-Ebb	B	9.6	10:40	7.59	8.27	19	30.46	3.16	5	96	0.115	SE
C1A	20190715	Sunny	Moderate	Mid-Ebb	B	9.6	10:40	7.92	8.16	18.8	30.4	3.21	6	96	0.175	S
C1A	20190715	Sunny	Moderate	Mid-Ebb	M	5.3	10:41	7.51	7.76	19.3	30.4	3.54	5	96	0.197	SE
C1A	20190715	Sunny	Moderate	Mid-Ebb	M	5.3	10:41	7.2	7.72	19.2	30.41	3.66	5	96	0.106	SE
C1A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	10:42	7.89	8.14	19.1	30.43	3.34	4	98	0.105	SE
C1A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	10:42	7.09	8.18	19.1	30.45	3.64	4	97	0.226	SE
C2A	20190715	Sunny	Moderate	Mid-Ebb	B	10.4	10:52	8.83	8.54	19.5	30.47	4.07	4	98	0.193	S
C2A	20190715	Sunny	Moderate	Mid-Ebb	B	10.4	10:52	8.58	8.43	19.4	30.42	3.5	4	97	0.087	S
C2A	20190715	Sunny	Moderate	Mid-Ebb	M	5.7	10:53	9.06	8.38	19.3	30.49	3.38	5	97	0.116	E
C2A	20190715	Sunny	Moderate	Mid-Ebb	M	5.7	10:53	8.84	8.37	19.6	30.46	3.39	4	96	0.094	S
C2A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	10:54	9.1	8.49	19.6	30.46	3.36	4	96	0.088	E
C2A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	10:54	8.36	8.52	19.4	30.44	3.52	3	96	0.194	S
F1A	20190715	Sunny	Moderate	Mid-Ebb	B	7.0	12:22	9.17	8.46	19.4	30.4	3.38	4	96	0.227	S
F1A	20190715	Sunny	Moderate	Mid-Ebb	B	7.0	12:22	8.75	8.48	19.6	30.45	3.14	2	96	0.168	E
F1A	20190715	Sunny	Moderate	Mid-Ebb	M	4.0	12:23	8.77	8.52	19.5	30.38	3.3	2	98	0.222	S
F1A	20190715	Sunny	Moderate	Mid-Ebb	M	4.0	12:23	9.2	8.53	19.3	30.49	3.68	3	97	0.168	E
F1A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:24	8.68	8.45	19.8	30.4	3.73	4	97	0.097	SE
F1A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:24	9.1	8.53	19.4	30.4	3.54	3	97	0.225	S
H1	20190715	Sunny	Moderate	Mid-Ebb	B	6.9	11:13	9.06	8.52	19.6	30.4	3.34	5	96	0.234	S
H1	20190715	Sunny	Moderate	Mid-Ebb	B	6.9	11:13	9.02	8.52	19.5	30.46	3.47	4	97	0.079	E
H1	20190715	Sunny	Moderate	Mid-Ebb	M	4.0	11:14	8.56	8.39	19.7	30.42	3.58	4	96	0.202	S
H1	20190715	Sunny	Moderate	Mid-Ebb	M	4.0	11:14	8.93	8.45	19.6	30.42	3.6	5	97	0.244	S
H1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:15	8.93	8.51	19.3	30.45	3.39	4	98	0.211	E
H1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:15	9.25	8.47	19.6	30.43	3.75	5	95	0.096	SE
M1	20190715	Sunny	Moderate	Mid-Ebb	B	7.8	13:01	8.61	8.54	19.3	30.4	3.22	4	99	0.216	SE
M1	20190715	Sunny	Moderate	Mid-Ebb	B	7.8	13:01	9.27	8.54	19.6	30.41	3.24	4	98	0.098	S
M1	20190715	Sunny	Moderate	Mid-Ebb	M	4.4	13:02	8.91	8.46	19.8	30.38	3.23	4	98	0.158	SE
M1	20190715	Sunny	Moderate	Mid-Ebb	M	4.4	13:02	8.42	8.49	19.6	30.49	3.45	4	96	0.21	S

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
M1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	13:03	8.91	8.38	19.8	30.46	3.6	4	96	0.105	S
M1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	13:03	8.6	8.45	19.3	30.42	3.47	4	97	0.21	SE
CR1	20190715	Sunny	Moderate	Mid-Ebb	B	12.2	12:23	7.4	7.9	18.8	30.34	3.35	4	99	0.118	S
CR1	20190715	Sunny	Moderate	Mid-Ebb	B	12.2	12:23	7.3	7.8	18.9	30.4	3.21	4	96	0.103	SE
CR1	20190715	Sunny	Moderate	Mid-Ebb	M	6.6	12:24	7.89	8.28	19	30.38	3.7	3	96	0.141	SE
CR1	20190715	Sunny	Moderate	Mid-Ebb	M	6.6	12:24	7.05	8.03	19	30.32	3.37	4	96	0.169	S
CR1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:25	7.39	7.79	19	30.39	3.49	3	97	0.098	SE
CR1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:25	7.44	7.74	18.9	30.35	3.66	4	97	0.181	S
CR2	20190715	Sunny	Moderate	Mid-Ebb	B	10.7	12:00	7.35	8.04	19.2	30.33	3.2	4	98	0.141	E
CR2	20190715	Sunny	Moderate	Mid-Ebb	B	10.7	12:00	7.94	8.02	19.3	30.41	3.53	4	96	0.085	SE
CR2	20190715	Sunny	Moderate	Mid-Ebb	M	5.9	12:01	7.21	7.89	18.9	30.33	3.56	4	98	0.125	SE
CR2	20190715	Sunny	Moderate	Mid-Ebb	M	5.9	12:01	7.76	8.18	18.8	30.42	3.42	3	96	0.126	S
CR2	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:02	7.44	8.36	19	30.45	3.29	3	96	0.222	S
CR2	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:02	7.58	8.01	18.8	30.38	3.32	4	98	0.084	SE
S1	20190715	Sunny	Moderate	Mid-Ebb	B	4.3	11:20	7.63	7.84	18.9	30.46	3.3	3	96	0.201	SE
S1	20190715	Sunny	Moderate	Mid-Ebb	B	4.3	11:20	7.7	7.8	19.1	30.42	3.55	3	98	0.123	SE
S1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:21	7.15	8.24	19.1	30.36	3.79	3	98	0.147	S
S1	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:21	7.26	7.73	19	30.45	3.56	3	97	0.182	SE
S2A	20190715	Sunny	Moderate	Mid-Ebb	B	7.7	11:47	7.37	7.78	19.3	30.35	3.44	3	98	0.23	SE
S2A	20190715	Sunny	Moderate	Mid-Ebb	B	7.7	11:47	7.38	8.12	19.3	30.31	3.06	4	98	0.222	S
S2A	20190715	Sunny	Moderate	Mid-Ebb	M	4.4	11:48	7.59	7.88	19.3	30.43	3.53	4	96	0.206	S
S2A	20190715	Sunny	Moderate	Mid-Ebb	M	4.4	11:48	7.63	8.12	18.8	30.34	3.6	3	97	0.211	S
S2A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:49	6.95	7.91	18.8	30.36	3.67	3	98	0.092	SE
S2A	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	11:49	7.65	7.71	19.2	30.34	3.73	2	97	0.108	E
S3	20190715	Sunny	Moderate	Mid-Ebb	B	10.0	12:11	7.64	7.7	19.1	30.45	3.31	4	97	0.176	SE
S3	20190715	Sunny	Moderate	Mid-Ebb	B	10.0	12:11	7	7.72	19	30.33	3.11	5	97	0.199	SE
S3	20190715	Sunny	Moderate	Mid-Ebb	M	5.5	12:12	8.05	7.94	19.2	30.45	3.22	4	96	0.122	SE
S3	20190715	Sunny	Moderate	Mid-Ebb	M	5.5	12:12	7.85	7.99	19	30.45	3.18	4	96	0.118	SE
S3	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:13	7.22	8.21	18.8	30.45	3.85	3	98	0.231	S
S3	20190715	Sunny	Moderate	Mid-Ebb	S	1.0	12:13	7.18	7.73	18.8	30.36	3.62	3	97	0.15	E

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20190715	Sunny	Moderate	Mid-Flood	B	3.7	16:10	7.17	8.3	20.1	29.7	3.44	3	96	0.132	SW
B1	20190715	Sunny	Moderate	Mid-Flood	B	3.7	16:10	7.14	7.79	20.1	29.74	3.65	3	96	0.203	W
B1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:11	7.92	7.71	19.9	29.7	3.82	3	95	0.142	W
B1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:11	7.89	8.11	20.2	29.83	3.7	3	96	0.152	SW
B2	20190715	Sunny	Moderate	Mid-Flood	B	3.7	16:29	7.64	7.97	20.2	29.85	3.14	2	96	0.253	W
B2	20190715	Sunny	Moderate	Mid-Flood	B	3.7	16:29	7.81	8.29	20.4	29.86	3.46	3	96	0.272	SW
B2	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:30	7.39	8.28	20.2	29.72	3.8	3	96	0.164	SW
B2	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:30	7.27	7.8	20.1	29.88	3.8	2	94	0.171	W
B3	20190715	Sunny	Moderate	Mid-Flood	B	3.6	16:11	8.43	8.42	19.8	29.8	3.52	3	96	0.237	W
B3	20190715	Sunny	Moderate	Mid-Flood	B	3.6	16:11	9.01	8.4	20	29.72	3.67	3	95	0.165	NW
B3	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:12	8.35	8.44	20.3	29.78	3.49	2	95	0.199	W
B3	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:12	8.94	8.43	19.8	29.81	3.86	3	96	0.261	W
B4	20190715	Sunny	Moderate	Mid-Flood	B	4.3	16:23	8.33	8.26	19.8	29.71	3.27	3	94	0.185	W
B4	20190715	Sunny	Moderate	Mid-Flood	B	4.3	16:23	8.37	8.32	19.8	29.71	3.3	2	96	0.269	W
B4	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:24	8.5	8.29	20.3	29.85	3.81	3	95	0.147	SW
B4	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:24	9.02	8.26	20.2	29.84	3.55	3	96	0.149	W
C1A	20190715	Sunny	Moderate	Mid-Flood	B	9.2	15:36	7.51	8.2	19.9	29.84	3.6	4	94	0.233	W
C1A	20190715	Sunny	Moderate	Mid-Flood	B	9.2	15:36	7.56	8.08	20.1	29.72	3.28	5	94	0.279	SW
C1A	20190715	Sunny	Moderate	Mid-Flood	M	5.1	15:37	7.63	7.86	20.1	29.9	3.67	4	95	0.231	SW
C1A	20190715	Sunny	Moderate	Mid-Flood	M	5.1	15:37	7.46	7.82	19.9	29.83	3.31	5	96	0.145	W
C1A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	15:38	7.97	7.85	20.3	29.89	3.63	4	95	0.166	W
C1A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	15:38	7.16	7.96	20	29.79	3.87	5	97	0.189	W
C2A	20190715	Sunny	Moderate	Mid-Flood	B	10.0	15:35	8.48	8.38	19.9	29.82	3.12	4	94	0.151	W
C2A	20190715	Sunny	Moderate	Mid-Flood	B	10.0	15:35	8.76	8.36	20.3	29.75	3.48	4	95	0.197	SW
C2A	20190715	Sunny	Moderate	Mid-Flood	M	5.5	15:36	8.62	8.33	20.2	29.71	3.66	3	94	0.265	SW
C2A	20190715	Sunny	Moderate	Mid-Flood	M	5.5	15:36	8.75	8.42	20.1	29.75	3.75	4	95	0.194	NW
C2A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	15:37	9.08	8.42	19.9	29.77	3.72	3	95	0.167	W
C2A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	15:37	8.49	8.29	20.2	29.75	3.8	3	94	0.176	W
F1A	20190715	Sunny	Moderate	Mid-Flood	B	7.8	16:52	9.08	8.36	20.1	29.65	3.67	4	95	0.261	W
F1A	20190715	Sunny	Moderate	Mid-Flood	B	7.8	16:52	8.62	8.36	19.8	29.69	3.18	5	95	0.254	W



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190715	Sunny	Moderate	Mid-Flood	M	4.4	16:53	8.75	8.29	20.3	29.72	3.42	4	95	0.163	W
F1A	20190715	Sunny	Moderate	Mid-Flood	M	4.4	16:53	8.53	8.44	20.2	29.68	3.47	5	95	0.255	W
F1A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:54	8.99	8.28	19.9	29.72	3.48	4	94	0.175	W
F1A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:54	8.82	8.32	20	29.85	3.76	4	95	0.174	W
H1	20190715	Sunny	Moderate	Mid-Flood	B	6.7	15:55	8.84	8.31	20.1	29.75	3.41	5	96	0.206	SW
H1	20190715	Sunny	Moderate	Mid-Flood	B	6.7	15:55	9.08	8.38	20.2	29.75	3.63	4	95	0.172	W
H1	20190715	Sunny	Moderate	Mid-Flood	M	3.9	15:56	8.6	8.37	20.1	29.75	3.67	4	95	0.161	W
H1	20190715	Sunny	Moderate	Mid-Flood	M	3.9	15:56	8.69	8.33	20	29.7	3.81	3	96	0.237	SW
H1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	15:57	8.79	8.26	19.9	29.78	4.02	4	95	0.219	SW
H1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	15:57	8.35	8.26	20.3	29.8	3.48	4	95	0.171	SW
M1	20190715	Sunny	Moderate	Mid-Flood	B	6.5	17:29	8.82	8.4	19.9	29.67	3.62	7	95	0.224	W
M1	20190715	Sunny	Moderate	Mid-Flood	B	6.5	17:29	9.05	8.31	19.8	29.74	3.32	7	95	0.247	SW
M1	20190715	Sunny	Moderate	Mid-Flood	M	3.8	17:30	8.54	8.33	20.2	29.75	3.71	8	96	0.195	NW
M1	20190715	Sunny	Moderate	Mid-Flood	M	3.8	17:30	8.83	8.34	20	29.72	3.68	7	96	0.153	W
M1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:31	8.53	8.39	19.9	29.66	3.68	6	95	0.288	W
M1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:31	8.37	8.29	20	29.71	3.96	7	97	0.28	NW
CR1	20190715	Sunny	Moderate	Mid-Flood	B	12.0	17:25	8.18	7.97	20.1	29.87	3.56	4	96	0.131	W
CR1	20190715	Sunny	Moderate	Mid-Flood	B	12.0	17:25	8.03	7.99	20.1	29.72	3.35	5	96	0.217	W
CR1	20190715	Sunny	Moderate	Mid-Flood	M	6.5	17:26	8.07	7.78	20.4	29.7	3.37	4	96	0.142	W
CR1	20190715	Sunny	Moderate	Mid-Flood	M	6.5	17:26	7.63	8.02	20.3	29.77	3.69	3	96	0.166	W
CR1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:27	7.7	7.89	20.2	29.86	3.54	4	96	0.167	NW
CR1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:27	7.63	7.97	20.3	29.88	3.89	3	96	0.134	W
CR2	20190715	Sunny	Moderate	Mid-Flood	B	9.8	17:00	7.16	7.72	20	29.79	3.42	6	95	0.234	W
CR2	20190715	Sunny	Moderate	Mid-Flood	B	9.8	17:00	7.9	8.32	20.4	29.8	3.42	7	96	0.146	W
CR2	20190715	Sunny	Moderate	Mid-Flood	M	5.4	17:01	7.78	8.25	20.2	29.74	3.53	5	96	0.248	W
CR2	20190715	Sunny	Moderate	Mid-Flood	M	5.4	17:01	7.4	8.25	20.2	29.77	3.47	6	96	0.247	NW
CR2	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:02	8.06	8.19	20	29.7	3.66	4	95	0.173	SW
CR2	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:02	8	8.17	20.1	29.8	3.89	5	95	0.128	NW
S1	20190715	Sunny	Moderate	Mid-Flood	B	4.4	16:19	7.29	8.17	20.2	29.89	3.38	4	95	0.173	SW
S1	20190715	Sunny	Moderate	Mid-Flood	B	4.4	16:19	8.08	7.77	20.4	29.9	3.33	5	94	0.217	SW



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:20	7.86	7.86	20.2	29.71	3.95	4	95	0.248	SW
S1	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:20	7.55	7.87	20.4	29.85	3.81	4	95	0.274	W
S2A	20190715	Sunny	Moderate	Mid-Flood	B	8.7	16:48	7.19	7.75	20	29.8	3.1	3	95	0.131	SW
S2A	20190715	Sunny	Moderate	Mid-Flood	B	8.7	16:48	7.31	7.87	20.4	29.76	3.49	4	94	0.272	NW
S2A	20190715	Sunny	Moderate	Mid-Flood	M	4.9	16:49	7.43	8.29	20.4	29.77	3.82	4	95	0.126	W
S2A	20190715	Sunny	Moderate	Mid-Flood	M	4.9	16:49	7.51	8.34	20	29.7	3.62	4	95	0.218	SW
S2A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:50	7.39	8.12	19.9	29.75	3.47	4	94	0.264	NW
S2A	20190715	Sunny	Moderate	Mid-Flood	S	1.0	16:50	7.25	8.14	20.3	29.77	4.02	2	95	0.277	SW
S3	20190715	Sunny	Moderate	Mid-Flood	B	8.4	17:10	7.39	7.95	19.9	29.89	3.41	4	94	0.287	W
S3	20190715	Sunny	Moderate	Mid-Flood	B	8.4	17:10	7.87	7.89	20.3	29.9	3.37	4	97	0.213	SW
S3	20190715	Sunny	Moderate	Mid-Flood	M	4.7	17:11	7.39	8.33	20.1	29.82	3.32	5	95	0.23	NW
S3	20190715	Sunny	Moderate	Mid-Flood	M	4.7	17:11	7.42	7.87	20.2	29.9	3.74	4	94	0.153	W
S3	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:12	7.38	8	20	29.87	3.84	5	95	0.206	SW
S3	20190715	Sunny	Moderate	Mid-Flood	S	1.0	17:12	7.21	8.18	20	29.84	3.67	5	94	0.255	W
B1	20190717	Sunny	Moderate	Mid-Ebb	B	3.7	11:22	7.52	8.2	22.1	30.15	2.96	4	102	0.172	SE
B1	20190717	Sunny	Moderate	Mid-Ebb	B	3.7	11:22	7.78	8.19	22.3	30.15	3.27	5	101	0.166	SE
B1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:23	7.51	8.14	22.1	30.23	3.31	5	90	0.205	S
B1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:23	7.05	8.13	22.2	30.15	3.73	5	91	0.195	SE
B2	20190717	Sunny	Moderate	Mid-Ebb	B	4.5	11:41	7.87	8.02	21.8	30.13	3.04	7	91	0.248	SE
B2	20190717	Sunny	Moderate	Mid-Ebb	B	4.5	11:41	7.51	7.67	21.6	30.29	3.34	7	101	0.142	S
B2	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:42	7.27	7.85	21.3	30.22	3.37	5	101	0.215	S
B2	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:42	7.7	7.75	21.7	30.15	3.78	6	100	0.232	S
B3	20190717	Sunny	Moderate	Mid-Ebb	B	3.4	12:05	9.53	7.8	21.5	30.26	3.55	6	91	0.138	SE
B3	20190717	Sunny	Moderate	Mid-Ebb	B	3.4	12:05	9.96	8.06	21.3	30.18	3.6	6	92	0.113	SE
B3	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:06	9.94	8.26	21.8	30.3	3.94	6	101	0.188	E
B3	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:06	9.38	8.21	21.6	30.28	3.9	6	91	0.096	E
B4	20190717	Sunny	Moderate	Mid-Ebb	B	4.0	12:17	8.8	8.14	22	30.28	3.68	5	102	0.2	E
B4	20190717	Sunny	Moderate	Mid-Ebb	B	4.0	12:17	8.99	7.86	21.7	30.23	3.74	5	101	0.126	S
B4	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:18	9.75	8.19	21.5	30.17	3.58	5	90	0.221	E
B4	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:18	9.76	7.81	21.5	30.12	4.02	5	101	0.121	S

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190717	Sunny	Moderate	Mid-Ebb	B	9.4	10:58	7.63	8.19	21.6	30.24	2.98	6	101	0.19	SE
C1A	20190717	Sunny	Moderate	Mid-Ebb	B	9.4	10:58	6.92	7.81	22	30.12	3.05	7	101	0.148	S
C1A	20190717	Sunny	Moderate	Mid-Ebb	M	5.2	10:59	6.91	7.8	21.6	30.24	3.21	6	90	0.12	S
C1A	20190717	Sunny	Moderate	Mid-Ebb	M	5.2	10:59	7.78	7.97	21.7	30.12	3.64	7	101	0.201	E
C1A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:00	7.2	7.91	21.7	30.22	3.63	4	101	0.121	E
C1A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:00	7.91	7.79	22.4	30.19	3.59	4	101	0.15	SE
C2A	20190717	Sunny	Moderate	Mid-Ebb	B	10.4	11:32	8.89	7.7	21.7	30.23	3.79	7	101	0.193	SE
C2A	20190717	Sunny	Moderate	Mid-Ebb	B	10.4	11:32	8.86	7.88	22	30.14	3.34	6	101	0.143	S
C2A	20190717	Sunny	Moderate	Mid-Ebb	M	5.7	11:33	9.77	8.05	21.9	30.22	3.68	6	101	0.201	SE
C2A	20190717	Sunny	Moderate	Mid-Ebb	M	5.7	11:33	9.3	7.99	22	30.16	3.32	6	101	0.203	S
C2A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:34	9.61	7.98	21.4	30.26	4	6	101	0.084	E
C2A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:34	9.32	7.78	22	30.18	3.51	7	100	0.173	SE
CR1	20190717	Sunny	Moderate	Mid-Ebb	B	12.2	12:34	7.72	8.12	21.3	30.29	2.99	8	91	0.231	E
CR1	20190717	Sunny	Moderate	Mid-Ebb	B	12.2	12:34	7.73	7.86	22.3	30.2	3.26	7	90	0.234	SE
CR1	20190717	Sunny	Moderate	Mid-Ebb	M	6.6	12:35	7.34	7.78	21.3	30.3	3.41	7	101	0.177	S
CR1	20190717	Sunny	Moderate	Mid-Ebb	M	6.6	12:35	7.79	7.78	22.2	30.25	3.48	7	101	0.143	S
CR1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:36	6.89	7.65	21.2	30.29	3.73	5	101	0.112	S
CR1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:36	7.04	8.21	22.1	30.19	3.75	6	91	0.213	S
CR2	20190717	Sunny	Moderate	Mid-Ebb	B	10.1	12:10	7.6	7.91	22	30.21	3.27	8	90	0.165	E
CR2	20190717	Sunny	Moderate	Mid-Ebb	B	10.1	12:10	7.7	7.68	22.1	30.19	3.36	7	101	0.087	SE
CR2	20190717	Sunny	Moderate	Mid-Ebb	M	5.6	12:11	7.77	8.03	21.2	30.1	3.42	8	101	0.099	S
CR2	20190717	Sunny	Moderate	Mid-Ebb	M	5.6	12:11	7.81	7.92	21.7	30.26	3.48	7	101	0.18	S
CR2	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:12	7.06	7.99	21.6	30.12	3.45	8	101	0.195	S
CR2	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:12	7.71	7.87	21.4	30.2	3.44	8	101	0.183	SE
F1A	20190717	Sunny	Moderate	Mid-Ebb	B	8.1	12:47	8.84	8.27	21.2	30.1	3.24	7	102	0.149	E
F1A	20190717	Sunny	Moderate	Mid-Ebb	B	8.1	12:47	9.49	8.18	21.9	30.1	3.41	8	101	0.167	SE
F1A	20190717	Sunny	Moderate	Mid-Ebb	M	4.6	12:48	9.38	7.9	21.8	30.2	3.9	6	100	0.125	SE
F1A	20190717	Sunny	Moderate	Mid-Ebb	M	4.6	12:48	9.32	7.83	21.4	30.22	3.61	6	101	0.127	SE
F1A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:49	9.63	7.77	21.7	30.27	3.62	5	100	0.186	S
F1A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:49	9.59	7.84	22	30.29	3.95	6	100	0.163	S

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20190717	Sunny	Moderate	Mid-Ebb	M	1.0	12:50	9.02	7.79	21.8	30.14	3.37	5	101	0.117	SE
H1	20190717	Sunny	Moderate	Mid-Ebb	M	1.0	12:50	9.95	8.16	21.6	30.16	3.68	6	90	0.121	SE
H1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:51	9.28	8.09	22	30.1	3.86	4	101	0.162	SE
H1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:51	9.99	8.14	21.7	30.28	3.97	5	101	0.159	E
H1	20190717	Sunny	Moderate	Mid-Ebb	B	7.8	11:50	9.89	8.28	21.2	30.14	3.33	5	101	0.17	S
H1	20190717	Sunny	Moderate	Mid-Ebb	B	7.8	11:50	9.31	7.75	21.5	30.16	3.59	5	101	0.088	S
M1	20190717	Sunny	Moderate	Mid-Ebb	B	8.1	13:24	9.66	8.28	21.6	30.16	3.25	8	101	0.234	SE
M1	20190717	Sunny	Moderate	Mid-Ebb	B	8.1	13:24	9.53	7.78	21.5	30.28	3.31	7	100	0.239	S
M1	20190717	Sunny	Moderate	Mid-Ebb	M	4.6	13:25	9.32	7.74	21.4	30.3	3.79	7	101	0.112	S
M1	20190717	Sunny	Moderate	Mid-Ebb	M	4.6	13:25	9.38	8	21.6	30.24	3.63	6	101	0.241	E
M1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	13:26	9.54	8.18	22	30.18	3.85	6	91	0.212	SE
M1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	13:26	9.43	8.08	21.2	30.28	3.6	6	91	0.193	S
S1	20190717	Sunny	Moderate	Mid-Ebb	B	4.0	11:31	7.71	7.72	21.5	30.16	3.29	6	90	0.164	S
S1	20190717	Sunny	Moderate	Mid-Ebb	B	4.0	11:31	7.79	7.83	21.6	30.15	3.38	7	102	0.185	SE
S1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:32	7.05	7.94	21.8	30.26	3.27	5	102	0.231	S
S1	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:32	7.41	7.87	22.4	30.22	3.58	6	101	0.101	S
S2A	20190717	Sunny	Moderate	Mid-Ebb	B	8.1	11:57	7.32	8.02	21.4	30.2	3.27	6	102	0.122	SE
S2A	20190717	Sunny	Moderate	Mid-Ebb	B	8.1	11:57	7.64	7.9	21.5	30.19	3.53	7	101	0.103	SE
S2A	20190717	Sunny	Moderate	Mid-Ebb	M	4.6	11:58	7.88	8.02	21.6	30.15	3.36	8	90	0.146	SE
S2A	20190717	Sunny	Moderate	Mid-Ebb	M	4.6	11:58	7.73	7.76	21.4	30.18	3.14	7	101	0.111	SE
S2A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:59	7.81	7.79	21.3	30.24	3.66	7	91	0.139	SE
S2A	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	11:59	6.97	7.93	22	30.2	3.6	6	90	0.215	S
S3	20190717	Sunny	Moderate	Mid-Ebb	B	9.7	12:20	7.47	8.03	21.3	30.24	3.25	6	101	0.153	SE
S3	20190717	Sunny	Moderate	Mid-Ebb	B	9.7	12:20	7.73	7.97	22.1	30.27	3.11	6	101	0.11	SE
S3	20190717	Sunny	Moderate	Mid-Ebb	M	5.4	12:21	7.22	7.97	21.2	30.25	3.17	6	102	0.242	SE
S3	20190717	Sunny	Moderate	Mid-Ebb	M	5.4	12:21	7.34	8	21.2	30.16	3.58	6	101	0.144	SE
S3	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:22	6.84	7.73	21.9	30.12	3.42	6	100	0.237	E
S3	20190717	Sunny	Moderate	Mid-Ebb	S	1.0	12:22	7.39	8.08	22.4	30.3	3.5	6	101	0.098	E
B1	20190717	Sunny	Moderate	Mid-Flood	B	3.5	17:21	7.25	8.23	23.6	29.42	3.05	5	91	0.163	SW
B1	20190717	Sunny	Moderate	Mid-Flood	B	3.5	17:21	7.71	7.68	24.3	29.62	3.39	6	91	0.164	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:22	7.33	7.76	23.9	29.5	3.41	6	92	0.175	W
B1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:22	7.78	7.77	23.7	29.67	3.53	6	90	0.181	SW
B2	20190717	Sunny	Moderate	Mid-Flood	B	3.7	17:40	7.58	7.69	24.2	29.55	2.91	5	90	0.185	W
B2	20190717	Sunny	Moderate	Mid-Flood	B	3.7	17:40	7.29	7.77	23	29.67	2.99	5	90	0.244	W
B2	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:41	7.45	7.92	24.2	29.59	3.35	6	91	0.164	W
B2	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:41	7.84	7.7	23	29.44	3.24	5	90	0.14	NW
B3	20190717	Sunny	Moderate	Mid-Flood	B	3.5	17:24	9.29	7.49	21.8	29.7	3.28	5	90	0.188	W
B3	20190717	Sunny	Moderate	Mid-Flood	B	3.5	17:24	8.64	7.79	21.2	29.66	3.52	6	90	0.269	W
B3	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:25	9.19	7.61	22.3	29.68	3.48	6	91	0.153	SW
B3	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:25	8.92	7.61	22	29.66	3.84	6	91	0.162	W
B4	20190717	Sunny	Moderate	Mid-Flood	B	3.8	17:35	9.18	7.84	22.4	29.76	3.4	5	90	0.273	W
B4	20190717	Sunny	Moderate	Mid-Flood	B	3.8	17:35	9.02	7.56	21.6	29.78	3.51	5	90	0.287	W
B4	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:36	8.75	7.8	21.2	29.69	3.57	6	91	0.163	W
B4	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:36	8.66	7.63	22.1	29.73	3.53	6	90	0.178	NW
C1A	20190717	Sunny	Moderate	Mid-Flood	B	10.4	16:57	7.2	8.2	23.4	29.43	2.9	6	101	0.27	NW
C1A	20190717	Sunny	Moderate	Mid-Flood	B	10.4	16:57	7.28	7.81	23.7	29.64	2.85	5	100	0.163	W
C1A	20190717	Sunny	Moderate	Mid-Flood	M	5.7	16:58	7.03	7.74	24.3	29.44	3.52	5	90	0.269	NW
C1A	20190717	Sunny	Moderate	Mid-Flood	M	5.7	16:58	7.54	7.83	23.2	29.44	3.34	5	100	0.251	W
C1A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	16:59	7.59	7.77	24.2	29.65	3.57	4	100	0.173	W
C1A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	16:59	7.19	7.65	23.4	29.61	3.49	5	100	0.174	W
C2A	20190717	Sunny	Moderate	Mid-Flood	B	10.1	16:54	8.92	7.63	21.5	29.76	3.51	6	101	0.165	SW
C2A	20190717	Sunny	Moderate	Mid-Flood	B	10.1	16:54	9.1	7.6	22.4	29.67	3.3	5	91	0.174	SW
C2A	20190717	Sunny	Moderate	Mid-Flood	M	5.6	16:55	8.94	7.52	22.2	29.78	3.44	7	102	0.244	W
C2A	20190717	Sunny	Moderate	Mid-Flood	M	5.6	16:55	8.86	7.68	21.9	29.76	3.7	6	101	0.243	W
C2A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	16:56	8.62	7.43	21.2	29.6	3.71	5	101	0.135	W
C2A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	16:56	9.09	7.68	22.2	29.63	3.52	6	101	0.267	W
F1A	20190717	Sunny	Moderate	Mid-Flood	B	7.1	18:03	8.93	7.74	22.3	29.66	3.28	6	101	0.123	W
F1A	20190717	Sunny	Moderate	Mid-Flood	B	7.1	18:03	8.55	7.74	22	29.67	3.03	6	91	0.278	W
F1A	20190717	Sunny	Moderate	Mid-Flood	M	4.1	18:04	8.81	7.79	22.2	29.76	3.6	6	100	0.173	W
F1A	20190717	Sunny	Moderate	Mid-Flood	M	4.1	18:04	8.93	7.61	21.7	29.77	3.1	6	101	0.266	SW

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:05	9.04	7.45	21.2	29.69	3.54	5	101	0.148	SW
F1A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:05	9.08	7.65	21.3	29.73	3.36	6	90	0.177	W
H1	20190717	Sunny	Moderate	Mid-Flood	B	7.1	17:10	8.77	7.49	22.2	29.69	3.23	5	90	0.129	NW
H1	20190717	Sunny	Moderate	Mid-Flood	B	7.1	17:10	8.7	7.7	21.8	29.77	3.23	6	91	0.199	W
H1	20190717	Sunny	Moderate	Mid-Flood	M	4.1	17:11	9	7.46	22.4	29.75	3.44	5	91	0.176	W
H1	20190717	Sunny	Moderate	Mid-Flood	M	4.1	17:11	9.04	7.61	21.5	29.67	3.64	6	90	0.157	W
H1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:12	8.61	7.8	21.8	29.8	3.24	4	90	0.28	W
H1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:12	8.55	7.77	22.3	29.63	3.73	4	90	0.256	NW
M1	20190717	Sunny	Moderate	Mid-Flood	B	7.3	18:33	8.71	7.62	21.9	29.61	3.57	5	90	0.133	SW
M1	20190717	Sunny	Moderate	Mid-Flood	B	7.3	18:33	8.81	7.73	21.6	29.75	3.55	5	90	0.275	NW
M1	20190717	Sunny	Moderate	Mid-Flood	M	4.2	18:34	9.19	7.62	22.4	29.6	3.81	4	101	0.221	W
M1	20190717	Sunny	Moderate	Mid-Flood	M	4.2	18:34	8.67	7.74	21.4	29.8	3.78	4	92	0.196	NW
M1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:35	9.1	7.7	22.3	29.77	3.82	4	101	0.219	NW
M1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:35	8.99	7.45	21.3	29.8	3.78	5	101	0.22	SW
CR1	20190717	Sunny	Moderate	Mid-Flood	B	12.0	18:33	7.75	8.08	23.1	29.69	3.42	6	100	0.292	W
CR1	20190717	Sunny	Moderate	Mid-Flood	B	12.0	18:33	7.13	7.96	23.7	29.41	3.41	6	91	0.127	SW
CR1	20190717	Sunny	Moderate	Mid-Flood	M	6.5	18:34	7.77	8.06	23.6	29.7	3.81	6	101	0.132	W
CR1	20190717	Sunny	Moderate	Mid-Flood	M	6.5	18:34	7.85	8.1	22.9	29.6	3.56	6	101	0.204	NW
CR1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:35	7.72	8.11	24.3	29.42	3.78	4	100	0.278	W
CR1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:35	7.05	7.72	24.3	29.63	3.7	4	101	0.283	NW
CR2	20190717	Sunny	Moderate	Mid-Flood	B	9.9	18:09	7.18	8.04	23.7	29.47	3.53	5	101	0.209	W
CR2	20190717	Sunny	Moderate	Mid-Flood	B	9.9	18:09	7.02	7.69	24	29.46	3.53	4	101	0.218	W
CR2	20190717	Sunny	Moderate	Mid-Flood	M	5.5	18:10	7.06	8	24	29.45	3.55	4	101	0.146	SW
CR2	20190717	Sunny	Moderate	Mid-Flood	M	5.5	18:10	7.02	7.71	23.9	29.63	3.85	5	101	0.268	W
CR2	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:11	7.46	7.86	24	29.47	3.61	4	91	0.215	NW
CR2	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:11	7.02	7.74	23.5	29.66	3.58	5	101	0.174	W
S1	20190717	Sunny	Moderate	Mid-Flood	B	4.4	17:30	7.5	8.13	23.9	29.41	3.02	6	101	0.286	W
S1	20190717	Sunny	Moderate	Mid-Flood	B	4.4	17:30	7.11	8.15	23.6	29.54	2.94	7	101	0.272	W
S1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:31	7.8	8.23	23.6	29.49	3.4	6	101	0.126	SW
S1	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:31	6.99	8.22	22.9	29.57	3.4	5	101	0.253	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190717	Sunny	Moderate	Mid-Flood	B	8.2	17:56	7.63	7.81	23.3	29.53	2.94	4	100	0.242	NW
S2A	20190717	Sunny	Moderate	Mid-Flood	B	8.2	17:56	7.16	7.88	24.2	29.63	3.36	4	100	0.195	NW
S2A	20190717	Sunny	Moderate	Mid-Flood	M	4.6	17:57	7.72	8.19	23.2	29.43	3.06	5	90	0.258	W
S2A	20190717	Sunny	Moderate	Mid-Flood	M	4.6	17:57	7.8	8.1	24.3	29.63	3.63	5	101	0.267	W
S2A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:58	7.36	8.05	23.3	29.69	3.55	6	101	0.206	W
S2A	20190717	Sunny	Moderate	Mid-Flood	S	1.0	17:58	7.46	7.68	23.1	29.41	3.3	5	101	0.137	NW
S3	20190717	Sunny	Moderate	Mid-Flood	B	8.1	18:19	7	7.87	23.1	29.46	3.1	4	101	0.276	NW
S3	20190717	Sunny	Moderate	Mid-Flood	B	8.1	18:19	7.55	8.2	23.8	29.68	3.06	5	90	0.219	W
S3	20190717	Sunny	Moderate	Mid-Flood	M	4.6	18:20	7.89	7.9	23.7	29.48	3.34	5	90	0.135	W
S3	20190717	Sunny	Moderate	Mid-Flood	M	4.6	18:20	7.17	8.19	24.1	29.53	3.27	4	100	0.144	W
S3	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:21	7.26	8.07	23.6	29.45	3.43	5	100	0.262	SW
S3	20190717	Sunny	Moderate	Mid-Flood	S	1.0	18:21	7.65	8.08	23.5	29.57	3.42	4	100	0.273	SW
B1	20190719	Cloudy	Moderate	Mid-Flood	B	4.6	9:36	7.63	7.97	22	29.12	2.89	6	105	0.157	W
B1	20190719	Cloudy	Moderate	Mid-Flood	B	4.6	9:36	7.67	8.13	21.7	29.17	2.47	6	106	0.268	W
B1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:37	7.56	7.96	22.1	29.13	2.77	5	105	0.252	NW
B1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:37	7.3	7.77	22.4	29.1	2.9	6	105	0.167	W
B2	20190719	Cloudy	Moderate	Mid-Flood	B	3.6	9:53	7.48	7.98	21.3	29.14	2.87	8	105	0.284	W
B2	20190719	Cloudy	Moderate	Mid-Flood	B	3.6	9:53	7.34	7.93	21.4	29.15	2.47	8	106	0.129	W
B2	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:54	7.19	7.96	22	29.11	3.07	5	105	0.282	W
B2	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:54	7.55	7.64	21.3	29.13	2.94	6	105	0.264	W
B3	20190719	Cloudy	Moderate	Mid-Flood	B	3.3	8:32	8.65	7.93	21	29.2	2.46	10	106	0.248	W
B3	20190719	Cloudy	Moderate	Mid-Flood	B	3.3	8:32	8.52	7.89	21.5	29.12	2.43	10	104	0.18	NW
B3	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:33	9.09	7.88	21.5	29.15	3.19	9	105	0.259	NW
B3	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:33	8.8	7.76	22.2	29.2	3.02	9	105	0.143	SW
B4	20190719	Cloudy	Moderate	Mid-Flood	B	4.4	8:44	8.8	7.97	21.7	29.16	2.69	11	105	0.21	W
B4	20190719	Cloudy	Moderate	Mid-Flood	B	4.4	8:44	8.78	7.63	22.1	29.12	2.46	11	105	0.252	NW
B4	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:45	8.79	7.56	21.6	29.2	2.73	7	104	0.158	W
B4	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:45	8.81	7.64	21.4	29.14	2.76	8	105	0.226	W
C1A	20190719	Cloudy	Moderate	Mid-Flood	B	9.9	9:10	6.91	8.03	21.6	29.18	2.43	6	105	0.125	NW
C1A	20190719	Cloudy	Moderate	Mid-Flood	B	9.9	9:10	7.18	8.03	22.5	29.12	2.57	7	105	0.17	NW



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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190719	Cloudy	Moderate	Mid-Flood	M	5.5	9:11	7.32	8.04	22.2	29.18	2.6	6	106	0.229	W
C1A	20190719	Cloudy	Moderate	Mid-Flood	M	5.5	9:11	7.44	8.02	21.6	29.16	3.07	7	105	0.212	NW
C1A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:12	7.04	7.85	22	29.15	2.81	7	105	0.129	W
C1A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:12	7.02	8.13	22.3	29.11	2.86	6	106	0.156	NW
C2A	20190719	Cloudy	Moderate	Mid-Flood	B	10.9	8:00	9.18	8.21	21.1	29.19	2.72	6	105	0.151	NW
C2A	20190719	Cloudy	Moderate	Mid-Flood	B	10.9	8:00	9.17	7.99	21.5	29.19	2.73	7	105	0.178	W
C2A	20190719	Cloudy	Moderate	Mid-Flood	M	6.0	8:01	8.58	8.11	21.5	29.2	2.65	6	105	0.213	W
C2A	20190719	Cloudy	Moderate	Mid-Flood	M	6.0	8:01	8.51	8.19	21.2	29.12	2.71	6	105	0.288	W
C2A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:02	8.72	7.81	22.4	29.17	3.02	6	105	0.18	W
C2A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:02	9.12	7.96	21.3	29.16	2.94	6	105	0.15	NW
F1A	20190719	Cloudy	Moderate	Mid-Flood	B	7.1	9:11	9.1	7.97	22.3	29.15	2.83	6	105	0.193	W
F1A	20190719	Cloudy	Moderate	Mid-Flood	B	7.1	9:11	8.81	7.74	22	29.2	2.46	6	106	0.245	W
F1A	20190719	Cloudy	Moderate	Mid-Flood	M	4.1	9:12	9.17	8.21	21.4	29.12	2.69	6	105	0.283	W
F1A	20190719	Cloudy	Moderate	Mid-Flood	M	4.1	9:12	8.88	8.2	22.2	29.13	3.09	note 3	105	0.256	W
F1A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:13	8.95	7.9	22	29.13	3.23	6	106	0.21	W
F1A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:13	9.16	7.73	21.9	29.12	3.07	5	105	0.23	NW
H1	20190719	Cloudy	Moderate	Mid-Flood	B	6.7	8:20	8.77	7.95	21.5	29.1	2.79	12	105	0.265	W
H1	20190719	Cloudy	Moderate	Mid-Flood	B	6.7	8:20	8.6	7.84	21.7	29.2	2.57	13	105	0.23	SW
H1	20190719	Cloudy	Moderate	Mid-Flood	M	3.9	8:21	9.04	7.99	22.2	29.18	2.97	12	105	0.194	NW
H1	20190719	Cloudy	Moderate	Mid-Flood	M	3.9	8:21	8.82	7.64	21.7	29.18	3.08	12	105	0.188	W
H1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:22	8.84	7.57	21.7	29.19	2.74	9	105	0.157	SW
H1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	8:22	8.59	8.03	22.2	29.18	2.79	8	106	0.181	W
M1	20190719	Cloudy	Moderate	Mid-Flood	B	7.0	9:49	9.17	7.8	21.9	29.17	2.49	5	105	0.196	W
M1	20190719	Cloudy	Moderate	Mid-Flood	B	7.0	9:49	8.84	7.98	21.1	29.2	2.79	6	106	0.26	W
M1	20190719	Cloudy	Moderate	Mid-Flood	M	4.0	9:50	8.53	7.65	22.1	29.15	2.63	5	105	0.196	NW
M1	20190719	Cloudy	Moderate	Mid-Flood	M	4.0	9:50	8.97	7.72	21.4	29.12	2.99	6	105	0.255	W
M1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:51	8.95	7.87	21.6	29.17	2.85	4	106	0.277	W
M1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:51	9.07	8.08	21	29.11	3.19	4	105	0.269	NW
CR1	20190719	Cloudy	Moderate	Mid-Flood	B	11.2	10:45	7.25	7.71	22.2	29.13	2.89	8	105	0.225	W
CR1	20190719	Cloudy	Moderate	Mid-Flood	B	11.2	10:45	7.07	7.71	21.8	29.1	2.73	8	105	0.215	SW

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190719	Cloudy	Moderate	Mid-Flood	M	6.1	10:46	7.53	7.72	21.2	29.12	2.6	7	105	0.208	NW
CR1	20190719	Cloudy	Moderate	Mid-Flood	M	6.1	10:46	7.18	7.92	21.6	29.15	2.65	7	105	0.14	W
CR1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:47	7.39	8.09	22.5	29.19	2.72	5	105	0.144	W
CR1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:47	6.88	7.8	22.5	29.11	3.06	6	105	0.271	W
CR2	20190719	Cloudy	Moderate	Mid-Flood	B	9.7	10:21	7.02	7.87	21.9	29.18	2.76	6	105	0.168	W
CR2	20190719	Cloudy	Moderate	Mid-Flood	B	9.7	10:21	7.02	7.8	21.6	29.17	2.38	6	105	0.201	W
CR2	20190719	Cloudy	Moderate	Mid-Flood	M	5.4	10:22	7.14	7.93	21.9	29.2	2.85	4	105	0.258	W
CR2	20190719	Cloudy	Moderate	Mid-Flood	M	5.4	10:22	6.89	7.77	21.8	29.11	3.02	6	106	0.197	W
CR2	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:23	7.26	7.82	21.5	29.14	2.94	4	105	0.23	NW
CR2	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:23	7.33	8.09	22.1	29.19	2.92	4	106	0.182	W
S1	20190719	Cloudy	Moderate	Mid-Flood	B	4.5	9:44	6.89	7.84	21.7	29.11	2.44	10	105	0.183	NW
S1	20190719	Cloudy	Moderate	Mid-Flood	B	4.5	9:44	7.1	7.95	22.2	29.16	2.51	9	104	0.206	W
S1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:45	7.52	7.8	21.3	29.11	3.25	5	105	0.159	NW
S1	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	9:45	7.55	7.69	21.8	29.17	3.02	6	105	0.145	W
S2A	20190719	Cloudy	Moderate	Mid-Flood	B	8.3	10:07	7.1	7.59	22	29.11	2.74	6	105	0.241	SW
S2A	20190719	Cloudy	Moderate	Mid-Flood	B	8.3	10:07	7.27	7.77	22.1	29.11	2.57	7	105	0.127	W
S2A	20190719	Cloudy	Moderate	Mid-Flood	M	4.7	10:08	7.17	7.91	22.3	29.14	3	5	105	0.156	NW
S2A	20190719	Cloudy	Moderate	Mid-Flood	M	4.7	10:08	7.19	7.55	21.6	29.1	2.6	6	104	0.185	W
S2A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:09	7.33	8.04	22	29.19	2.68	6	106	0.221	NW
S2A	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:09	7.54	7.81	22	29.2	2.93	5	106	0.185	W
S3	20190719	Cloudy	Moderate	Mid-Flood	B	8.5	10:31	7.12	7.94	22.1	29.12	2.47	6	105	0.223	W
S3	20190719	Cloudy	Moderate	Mid-Flood	B	8.5	10:31	7.51	7.92	21.6	29.13	2.58	6	105	0.288	W
S3	20190719	Cloudy	Moderate	Mid-Flood	M	4.8	10:32	7.45	7.65	21.9	29.15	2.82	7	105	0.276	SW
S3	20190719	Cloudy	Moderate	Mid-Flood	M	4.8	10:32	7.43	7.59	21.5	29.11	3.01	6	105	0.27	SW
S3	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:33	7.42	7.72	22.4	29.11	3.05	5	105	0.288	SW
S3	20190719	Cloudy	Moderate	Mid-Flood	S	1.0	10:33	7.23	7.66	21.7	29.18	2.85	6	105	0.263	SW
B1	20190719	Cloudy	Moderate	Mid-Ebb	B	3.5	12:34	7.69	8.15	20.8	29.35	2.77	8	105	0.207	S
B1	20190719	Cloudy	Moderate	Mid-Ebb	B	3.5	12:34	6.9	8.21	20.3	29.35	2.69	9	105	0.138	S
B1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:35	7.32	7.95	21.1	29.42	3.23	6	104	0.246	E
B1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:35	7.74	7.68	21.7	29.36	3.09	6	105	0.083	SE

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20190719	Cloudy	Moderate	Mid-Ebb	B	4.0	12:52	6.85	7.9	20.3	29.5	2.67	5	105	0.094	SE
B2	20190719	Cloudy	Moderate	Mid-Ebb	B	4.0	12:52	7.81	7.76	21.8	29.33	2.74	5	105	0.114	S
B2	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:53	7.24	7.6	20.4	29.38	3.17	4	105	0.202	E
B2	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:53	7.83	7.77	20.8	29.43	2.84	5	105	0.092	E
B3	20190719	Cloudy	Moderate	Mid-Ebb	B	4.0	12:56	8.84	7.99	21.2	29.47	2.51	6	105	0.228	S
B3	20190719	Cloudy	Moderate	Mid-Ebb	B	4.0	12:56	9.18	8.09	21.5	29.42	2.97	6	105	0.174	S
B3	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:57	9.3	8.21	21.9	29.48	2.86	4	105	0.157	S
B3	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:57	8.77	7.91	21.5	29.42	3.02	5	106	0.252	S
B4	20190719	Cloudy	Moderate	Mid-Ebb	B	3.5	13:07	9.38	8.15	21.6	29.55	2.46	5	105	0.162	S
B4	20190719	Cloudy	Moderate	Mid-Ebb	B	3.5	13:07	8.69	7.75	21.6	29.53	2.65	6	105	0.24	SE
B4	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:08	9.09	8.34	22.2	29.45	3.08	5	105	0.188	SE
B4	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:08	8.55	8.26	21.3	29.48	2.77	5	105	0.224	SE
C1A	20190719	Cloudy	Moderate	Mid-Ebb	B	9.6	12:09	7.46	7.64	20.3	29.42	2.62	7	105	0.134	SE
C1A	20190719	Cloudy	Moderate	Mid-Ebb	B	9.6	12:09	7.82	8.08	20.9	29.45	2.57	7	105	0.212	E
C1A	20190719	Cloudy	Moderate	Mid-Ebb	M	5.3	12:10	7.17	7.99	21.9	29.47	3.06	5	105	0.195	E
C1A	20190719	Cloudy	Moderate	Mid-Ebb	M	5.3	12:10	7.07	7.9	20.8	29.47	2.89	4	105	0.09	S
C1A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:11	7.16	7.79	21.7	29.45	2.85	4	105	0.239	E
C1A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:11	7.01	8.11	21	29.44	3.18	4	105	0.233	SE
C2A	20190719	Cloudy	Moderate	Mid-Ebb	B	10.3	12:17	8.61	7.84	21.7	29.42	3.01	10	104	0.088	E
C2A	20190719	Cloudy	Moderate	Mid-Ebb	B	10.3	12:17	9.25	7.72	21.3	29.48	2.99	9	104	0.077	S
C2A	20190719	Cloudy	Moderate	Mid-Ebb	M	5.7	12:18	8.73	7.8	21.9	29.4	2.93	7	105	0.183	SE
C2A	20190719	Cloudy	Moderate	Mid-Ebb	M	5.7	12:18	9.21	8.09	21.9	29.48	2.95	7	105	0.152	E
C2A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:19	8.79	8.28	22.2	29.49	3.09	5	105	0.136	SE
C2A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:19	8.86	7.75	21.2	29.45	2.9	5	105	0.11	E
CR1	20190719	Cloudy	Moderate	Mid-Ebb	B	11.3	13:44	7.32	8.24	21.1	29.47	2.68	9	105	0.13	SE
CR1	20190719	Cloudy	Moderate	Mid-Ebb	B	11.3	13:44	7.1	7.93	21.2	29.46	2.5	8	106	0.103	SE
CR1	20190719	Cloudy	Moderate	Mid-Ebb	M	6.2	13:45	7.87	8.19	20.6	29.47	3.02	7	104	0.215	S
CR1	20190719	Cloudy	Moderate	Mid-Ebb	M	6.2	13:45	7.06	8.07	20.9	29.33	2.7	6	105	0.089	SE
CR1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:46	6.96	7.66	20.2	29.32	2.95	7	105	0.211	SE
CR1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:46	7.36	8.15	20.3	29.33	2.68	7	104	0.233	SE

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20190719	Cloudy	Moderate	Mid-Ebb	B	10.2	13:20	7.19	8.24	21.8	29.3	2.88	8	106	0.234	S
CR2	20190719	Cloudy	Moderate	Mid-Ebb	B	10.2	13:20	7.25	7.78	21.9	29.43	2.87	9	105	0.11	SE
CR2	20190719	Cloudy	Moderate	Mid-Ebb	M	5.6	13:21	7.56	7.62	20.5	29.4	2.6	7	105	0.213	SE
CR2	20190719	Cloudy	Moderate	Mid-Ebb	M	5.6	13:21	7.04	8.14	20.5	29.38	3.04	6	106	0.17	E
CR2	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:22	7.61	7.74	20.6	29.34	3.15	6	106	0.197	S
CR2	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:22	7.58	7.7	20.9	29.5	2.8	6	106	0.207	SE
F1A	20190719	Cloudy	Moderate	Mid-Ebb	B	7.2	13:39	9.32	8.28	21.8	29.53	2.97	6	105	0.115	S
F1A	20190719	Cloudy	Moderate	Mid-Ebb	B	7.2	13:39	9.11	8.23	21.2	29.45	2.98	7	105	0.106	S
F1A	20190719	Cloudy	Moderate	Mid-Ebb	M	4.1	13:40	8.59	7.9	22	29.51	3.12	6	105	0.153	SE
F1A	20190719	Cloudy	Moderate	Mid-Ebb	M	4.1	13:40	8.95	8.24	22.2	29.56	3.08	7	104	0.229	SE
F1A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:41	9.12	8.29	22.1	29.45	2.77	8	105	0.249	E
F1A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:41	8.74	8.12	21.8	29.54	2.96	8	105	0.078	S
H1	20190719	Cloudy	Moderate	Mid-Ebb	B	7.6	12:39	8.79	8.19	22.3	29.54	2.56	4	104	0.196	E
H1	20190719	Cloudy	Moderate	Mid-Ebb	B	7.6	12:39	9.39	7.78	21.4	29.54	2.68	5	105	0.173	SE
H1	20190719	Cloudy	Moderate	Mid-Ebb	M	4.3	12:40	9.19	8.24	21.7	29.41	2.67	5	106	0.116	E
H1	20190719	Cloudy	Moderate	Mid-Ebb	M	4.3	12:40	9.01	7.71	21.3	29.5	2.78	4	105	0.193	S
H1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:41	8.79	7.97	22.1	29.42	3.13	4	105	0.168	S
H1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:41	8.61	7.78	22.2	29.53	3.17	5	105	0.089	S
M1	20190719	Cloudy	Moderate	Mid-Ebb	B	8.1	14:17	9.25	7.99	21.5	29.56	2.75	8	105	0.173	S
M1	20190719	Cloudy	Moderate	Mid-Ebb	B	8.1	14:17	9.32	7.72	22	29.43	2.82	8	105	0.146	S
M1	20190719	Cloudy	Moderate	Mid-Ebb	M	4.6	14:18	9.32	8.3	21.8	29.44	2.69	7	105	0.188	E
M1	20190719	Cloudy	Moderate	Mid-Ebb	M	4.6	14:18	8.77	8.28	22.1	29.41	3.11	7	106	0.113	S
M1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	14:19	9.16	7.92	21.6	29.42	3.04	4	105	0.251	S
M1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	14:19	9.27	7.95	22.3	29.43	3.14	4	105	0.246	E
S1	20190719	Cloudy	Moderate	Mid-Ebb	B	4.2	12:43	7.25	7.75	21.2	29.49	2.57	6	105	0.237	SE
S1	20190719	Cloudy	Moderate	Mid-Ebb	B	4.2	12:43	6.87	7.66	20.4	29.42	2.63	7	104	0.197	SE
S1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:44	7.8	7.8	21.5	29.32	2.94	6	104	0.223	E
S1	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	12:44	7.5	8.03	21.5	29.39	3.06	7	105	0.105	S
S2A	20190719	Cloudy	Moderate	Mid-Ebb	B	7.9	13:07	7.14	7.93	21.1	29.34	2.74	6	105	0.225	S
S2A	20190719	Cloudy	Moderate	Mid-Ebb	B	7.9	13:07	7.64	7.77	20.2	29.32	2.86	7	105	0.079	S

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190719	Cloudy	Moderate	Mid-Ebb	M	4.5	13:08	7.63	8.04	20.4	29.37	3.09	6	105	0.113	SE
S2A	20190719	Cloudy	Moderate	Mid-Ebb	M	4.5	13:08	7.18	8.02	20.3	29.35	2.65	7	105	0.136	SE
S2A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:09	6.91	7.74	21.4	29.3	2.96	5	105	0.192	SE
S2A	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:09	7.18	7.83	21.9	29.36	2.93	5	105	0.143	S
S3	20190719	Cloudy	Moderate	Mid-Ebb	B	9.9	13:30	7.51	7.78	20.3	29.5	2.54	8	105	0.232	SE
S3	20190719	Cloudy	Moderate	Mid-Ebb	B	9.9	13:30	7.91	7.67	20.7	29.39	2.69	8	106	0.197	SE
S3	20190719	Cloudy	Moderate	Mid-Ebb	M	5.5	13:31	6.84	8.21	20.3	29.38	2.66	8	104	0.119	S
S3	20190719	Cloudy	Moderate	Mid-Ebb	M	5.5	13:31	7.78	8.02	21.9	29.34	3.04	8	105	0.096	SE
S3	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:32	7.86	7.71	21.1	29.46	2.67	6	105	0.155	E
S3	20190719	Cloudy	Moderate	Mid-Ebb	S	1.0	13:32	7.01	8.16	21.6	29.34	2.93	6	105	0.076	E
B1	20190722	Cloudy	Moderate	Mid-Flood	B	3.8	9:10	6.85	7.99	21	29.14	2.65	4	110	0.14	W
B1	20190722	Cloudy	Moderate	Mid-Flood	B	3.8	9:10	6.82	7.77	21.3	29.01	2.83	4	111	0.259	W
B1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:11	7.2	7.65	21.4	29.13	2.89	4	112	0.152	SW
B1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:11	7.14	8.09	20.6	29.13	3.05	4	110	0.246	W
B2	20190722	Cloudy	Moderate	Mid-Flood	B	3.6	9:30	7.07	7.9	21	29.06	2.86	4	110	0.217	W
B2	20190722	Cloudy	Moderate	Mid-Flood	B	3.6	9:30	7.15	7.96	20.3	29.23	2.5	5	110	0.172	SW
B2	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:31	7.32	7.7	21.1	29.04	2.8	3	110	0.153	SW
B2	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:31	7.26	7.86	20.6	29.06	3.18	4	110	0.203	SW
B3	20190722	Cloudy	Moderate	Mid-Flood	B	3.7	8:36	8.7	7.78	20.8	29.01	2.7	6	109	0.22	W
B3	20190722	Cloudy	Moderate	Mid-Flood	B	3.7	8:36	9.08	8.03	20.7	29.06	2.54	5	110	0.181	W
B3	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:37	8.71	7.71	20.3	28.95	2.69	6	110	0.132	SW
B3	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:37	8.97	7.77	21.1	29.13	3.04	5	110	0.258	NW
B4	20190722	Cloudy	Moderate	Mid-Flood	B	4.1	8:48	8.92	8.11	21.3	29.06	2.24	5	110	0.233	NW
B4	20190722	Cloudy	Moderate	Mid-Flood	B	4.1	8:48	9.01	7.85	20.6	28.99	2.45	4	110	0.211	SW
B4	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:49	9.08	7.73	20.3	28.98	2.73	4	110	0.277	SW
B4	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:49	8.68	7.83	20.8	29.1	3.09	5	110	0.188	NW
C1A	20190722	Cloudy	Moderate	Mid-Flood	B	9.1	8:45	6.92	7.65	21.1	29.14	2.65	6	110	0.192	SW
C1A	20190722	Cloudy	Moderate	Mid-Flood	B	9.1	8:45	7.41	7.94	20.8	29.06	2.78	7	111	0.205	SW
C1A	20190722	Cloudy	Moderate	Mid-Flood	M	5.1	8:46	7.12	7.99	21.1	29.21	3.33	7	111	0.248	NW
C1A	20190722	Cloudy	Moderate	Mid-Flood	M	5.1	8:46	7.08	7.89	20.8	29.09	3.08	6	110	0.221	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:47	7.45	8	21.2	29.08	2.89	4	111	0.235	W
C1A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:47	6.77	8.02	20.4	29.01	2.79	5	111	0.168	W
C2A	20190722	Cloudy	Moderate	Mid-Flood	B	10.0	8:04	8.91	7.92	20.7	29.14	2.44	10	110	0.141	NW
C2A	20190722	Cloudy	Moderate	Mid-Flood	B	10.0	8:04	8.6	7.76	21	28.97	2.51	10	110	0.21	W
C2A	20190722	Cloudy	Moderate	Mid-Flood	M	5.5	8:05	8.74	7.92	20.4	28.97	2.61	8	110	0.209	NW
C2A	20190722	Cloudy	Moderate	Mid-Flood	M	5.5	8:05	8.84	8.14	20.5	29.01	2.79	7	110	0.147	W
C2A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:06	8.78	7.73	21.1	29.02	2.83	6	110	0.286	SW
C2A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:06	8.91	7.85	20.2	29.02	2.68	7	111	0.222	W
F1A	20190722	Cloudy	Moderate	Mid-Flood	B	7.4	9:16	9.07	7.7	21.3	29.12	2.57	8	111	0.221	W
F1A	20190722	Cloudy	Moderate	Mid-Flood	B	7.4	9:16	8.54	7.73	20.3	29.09	2.32	9	110	0.198	NW
F1A	20190722	Cloudy	Moderate	Mid-Flood	M	4.2	9:17	8.68	7.66	20.6	29.02	2.95	8	111	0.272	W
F1A	20190722	Cloudy	Moderate	Mid-Flood	M	4.2	9:17	8.57	8.06	20.3	28.97	2.99	6	110	0.221	W
F1A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:18	8.73	7.82	20.9	29.01	3.04	8	111	0.228	W
F1A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:18	8.78	7.71	20.6	29.01	2.81	7	109	0.15	W
H1	20190722	Cloudy	Moderate	Mid-Flood	B	7.2	8:22	8.54	8.06	21.2	28.92	2.47	5	110	0.238	NW
H1	20190722	Cloudy	Moderate	Mid-Flood	B	7.2	8:22	9.01	7.7	20.8	29.13	2.81	5	110	0.21	W
H1	20190722	Cloudy	Moderate	Mid-Flood	M	4.1	8:23	9.03	8.11	20.5	29.11	2.97	4	111	0.178	W
H1	20190722	Cloudy	Moderate	Mid-Flood	M	4.1	8:23	9.06	7.66	21.1	29.05	2.98	5	111	0.259	NW
H1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:24	9.03	8.1	21	29.13	3.19	4	111	0.275	NW
H1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	8:24	8.69	8.14	21.4	28.99	3.23	4	110	0.149	W
M1	20190722	Cloudy	Moderate	Mid-Flood	B	6.6	9:57	8.67	7.87	20.6	28.95	2.43	3	111	0.182	W
M1	20190722	Cloudy	Moderate	Mid-Flood	B	6.6	9:57	8.97	7.71	21.3	28.99	2.8	3	111	0.141	W
M1	20190722	Cloudy	Moderate	Mid-Flood	M	3.8	9:58	8.64	7.89	21.2	29.01	2.74	4	112	0.197	W
M1	20190722	Cloudy	Moderate	Mid-Flood	M	3.8	9:58	8.46	7.99	21.4	29.05	3	3	112	0.194	W
M1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:59	8.9	7.89	21.1	28.95	2.9	4	112	0.151	W
M1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:59	8.91	7.93	20.3	28.98	2.76	3	112	0.204	W
CR1	20190722	Cloudy	Moderate	Mid-Flood	B	11.5	10:26	6.9	7.74	20.6	29.03	2.39	10	112	0.167	W
CR1	20190722	Cloudy	Moderate	Mid-Flood	B	11.5	10:26	7.01	8.08	21	29.03	2.35	10	112	0.266	NW
CR1	20190722	Cloudy	Moderate	Mid-Flood	M	6.3	10:27	7.02	7.68	20.2	29.15	2.86	8	111	0.132	W
CR1	20190722	Cloudy	Moderate	Mid-Flood	M	6.3	10:27	7.2	7.77	21.3	29.11	2.95	8	111	0.137	W



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	10:28	7.06	7.92	21.1	29.25	2.9	5	112	0.217	W
CR1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	10:28	7.34	7.77	20.5	29.1	2.92	6	112	0.26	W
CR2	20190722	Cloudy	Moderate	Mid-Flood	B	10.4	10:01	7.05	7.78	21.1	29.02	2.84	5	112	0.164	SW
CR2	20190722	Cloudy	Moderate	Mid-Flood	B	10.4	10:01	6.94	8.07	21.3	29.06	2.37	5	112	0.152	SW
CR2	20190722	Cloudy	Moderate	Mid-Flood	M	5.7	10:02	7.22	8.03	20.4	29.21	2.92	4	112	0.249	W
CR2	20190722	Cloudy	Moderate	Mid-Flood	M	5.7	10:02	7.05	7.93	21.4	29.19	2.64	5	112	0.178	W
CR2	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	10:03	7.24	7.69	20.2	29.14	3.2	4	111	0.255	NW
CR2	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	10:03	6.84	8.06	21.2	29.13	3.05	4	112	0.24	W
S1	20190722	Cloudy	Moderate	Mid-Flood	B	4.0	9:19	7.44	7.8	21.4	29.11	2.59	4	110	0.286	SW
S1	20190722	Cloudy	Moderate	Mid-Flood	B	4.0	9:19	7.39	7.97	20.5	29.11	2.84	5	110	0.141	SW
S1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:20	7.43	7.86	20.2	29.19	2.84	5	110	0.16	SW
S1	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:20	6.94	7.95	20.8	29.08	3.04	5	111	0.199	NW
S2A	20190722	Cloudy	Moderate	Mid-Flood	B	8.6	9:46	7.44	7.68	20.5	29.07	2.83	4	110	0.223	W
S2A	20190722	Cloudy	Moderate	Mid-Flood	B	8.6	9:46	7.04	8.04	20.3	29.21	2.67	5	110	0.184	SW
S2A	20190722	Cloudy	Moderate	Mid-Flood	M	4.8	9:47	7.38	8.01	21.2	29.18	2.78	5	111	0.28	W
S2A	20190722	Cloudy	Moderate	Mid-Flood	M	4.8	9:47	6.84	7.79	20.9	29.16	2.59	5	110	0.276	W
S2A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:48	7.04	7.95	20.5	29.13	3.13	4	111	0.211	W
S2A	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	9:48	7.31	8.05	21.2	29.02	3.19	4	111	0.175	W
S3	20190722	Cloudy	Moderate	Mid-Flood	B	9.6	10:11	6.83	8.07	20.3	29.26	2.7	9	110	0.152	W
S3	20190722	Cloudy	Moderate	Mid-Flood	B	9.6	10:11	6.96	7.75	21.4	29.11	2.74	9	112	0.263	NW
S3	20190722	Cloudy	Moderate	Mid-Flood	M	5.3	10:12	7.35	7.7	20.4	29.11	2.99	7	110	0.227	W
S3	20190722	Cloudy	Moderate	Mid-Flood	M	5.3	10:12	7.44	8.11	21.4	29.08	2.91	8	110	0.165	W
S3	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	10:13	7.24	7.78	20.4	29.16	2.81	7	110	0.147	W
S3	20190722	Cloudy	Moderate	Mid-Flood	S	1.0	10:13	7.34	7.81	20.3	29.07	3.01	7	110	0.253	W
B1	20190722	Cloudy	Moderate	Mid-Ebb	B	4.1	14:10	7.22	7.9	21.8	29.23	2.95	4	112	0.249	S
B1	20190722	Cloudy	Moderate	Mid-Ebb	B	4.1	14:10	7.49	7.69	21	29.23	2.64	4	112	0.124	SE
B1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:11	7.21	7.87	21.8	29.18	2.76	3	112	0.081	S
B1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:11	7.77	8.06	22	29.18	3.25	4	111	0.191	E
B2	20190722	Cloudy	Moderate	Mid-Ebb	B	4.7	14:31	7.4	7.62	21.1	29.24	2.64	6	112	0.093	SE
B2	20190722	Cloudy	Moderate	Mid-Ebb	B	4.7	14:31	7.41	7.96	22	29.23	2.93	8	112	0.192	S

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:32	6.93	7.91	22.3	29.28	3.12	4	112	0.186	SE
B2	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:32	7.17	7.85	22.4	29.24	2.72	5	111	0.168	SE
B3	20190722	Cloudy	Moderate	Mid-Ebb	B	3.9	14:44	9.16	8	20	29.15	2.61	7	112	0.124	E
B3	20190722	Cloudy	Moderate	Mid-Ebb	B	3.9	14:44	8.76	8.16	20	29.35	2.65	7	112	0.157	S
B3	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:45	9.07	7.79	20.2	29.14	3.26	5	112	0.172	E
B3	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:45	9.15	8.33	21.1	29.25	3.24	4	112	0.161	SE
B4	20190722	Cloudy	Moderate	Mid-Ebb	B	3.5	14:52	9.02	8.03	20.7	29.19	2.66	5	112	0.117	SE
B4	20190722	Cloudy	Moderate	Mid-Ebb	B	3.5	14:52	9.11	7.71	20.2	29.22	2.49	5	111	0.186	E
B4	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:53	8.84	7.75	19.7	29.23	3.13	5	112	0.078	E
B4	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:53	9.15	8.08	19.7	29.33	3.22	5	111	0.217	SE
C1A	20190722	Cloudy	Moderate	Mid-Ebb	B	8.8	13:43	7.57	7.65	21.6	29.18	2.67	8	112	0.144	S
C1A	20190722	Cloudy	Moderate	Mid-Ebb	B	8.8	13:43	7.07	8.03	21.6	29.3	2.84	8	112	0.211	S
C1A	20190722	Cloudy	Moderate	Mid-Ebb	M	4.9	13:44	7.69	8.17	22.3	29.13	2.72	7	111	0.211	SE
C1A	20190722	Cloudy	Moderate	Mid-Ebb	M	4.9	13:44	7.23	8.05	21.3	29.27	2.63	8	112	0.222	S
C1A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	13:45	7.33	7.87	21.2	29.1	2.76	8	111	0.115	SE
C1A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	13:45	7.8	8.07	21.1	29.17	2.8	8	112	0.104	SE
C2A	20190722	Cloudy	Moderate	Mid-Ebb	B	11.4	14:06	9.27	8.26	20.2	29.17	2.69	5	111	0.078	S
C2A	20190722	Cloudy	Moderate	Mid-Ebb	B	11.4	14:06	8.89	8.2	20.5	29.35	2.73	5	112	0.135	S
C2A	20190722	Cloudy	Moderate	Mid-Ebb	M	6.2	14:07	8.83	7.84	20.5	29.35	2.83	6	112	0.082	S
C2A	20190722	Cloudy	Moderate	Mid-Ebb	M	6.2	14:07	9.25	8.22	20.6	29.23	2.67	6	112	0.165	S
C2A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:08	9.16	8.09	20.2	29.19	2.8	6	112	0.105	S
C2A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:08	8.88	7.97	21	29.31	3.06	7	112	0.148	S
F1A	20190722	Cloudy	Moderate	Mid-Ebb	B	7.0	15:19	9.04	8.23	20.1	29.34	2.85	6	111	0.231	SE
F1A	20190722	Cloudy	Moderate	Mid-Ebb	B	7.0	15:19	9.03	8.14	19.9	29.22	2.77	6	111	0.085	S
F1A	20190722	Cloudy	Moderate	Mid-Ebb	M	4.0	15:20	9.13	8.17	19.9	29.22	2.7	6	110	0.217	SE
F1A	20190722	Cloudy	Moderate	Mid-Ebb	M	4.0	15:20	9.02	7.92	20.6	29.34	3.12	5	110	0.1	S
F1A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:21	9.08	8.2	21	29.14	2.76	6	111	0.091	S
F1A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:21	8.79	7.71	20.4	29.23	3.25	5	112	0.19	E
H1	20190722	Cloudy	Moderate	Mid-Ebb	B	7.6	14:35	9.15	7.9	19.7	29.19	2.94	8	112	0.161	SE
H1	20190722	Cloudy	Moderate	Mid-Ebb	B	7.6	14:35	8.88	7.75	20	29.23	2.48	9	112	0.131	S

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 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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20190722	Cloudy	Moderate	Mid-Ebb	M	4.3	14:36	9	8.23	19.9	29.35	2.8	7	112	0.216	SE
H1	20190722	Cloudy	Moderate	Mid-Ebb	M	4.3	14:36	8.98	8.14	20	29.16	2.73	7	111	0.195	E
H1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:37	9.04	8.21	20.8	29.2	2.77	6	112	0.083	E
H1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:37	8.76	7.96	20.4	29.24	2.7	7	112	0.159	SE
M1	20190722	Cloudy	Moderate	Mid-Ebb	B	8.2	15:58	8.97	8.26	21	29.18	2.79	7	111	0.112	SE
M1	20190722	Cloudy	Moderate	Mid-Ebb	B	8.2	15:58	8.81	8.09	20.6	29.34	2.71	8	111	0.168	S
M1	20190722	Cloudy	Moderate	Mid-Ebb	M	4.6	15:59	8.87	7.8	21.1	29.23	2.58	6	110	0.175	E
M1	20190722	Cloudy	Moderate	Mid-Ebb	M	4.6	15:59	8.89	7.79	20.2	29.34	2.7	7	111	0.142	SE
M1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	16:00	9.12	7.7	20.6	29.16	2.85	6	111	0.112	E
M1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	16:00	8.94	8.18	21.1	29.13	3.17	7	111	0.124	S
CR1	20190722	Cloudy	Moderate	Mid-Ebb	B	12.4	15:25	7.28	7.74	20.8	29.17	2.86	4	111	0.194	S
CR1	20190722	Cloudy	Moderate	Mid-Ebb	B	12.4	15:25	7.41	8.08	22.2	29.2	3.02	4	110	0.247	SE
CR1	20190722	Cloudy	Moderate	Mid-Ebb	M	6.7	15:26	7.14	8.06	21.1	29.27	2.81	4	110	0.126	S
CR1	20190722	Cloudy	Moderate	Mid-Ebb	M	6.7	15:26	7.08	7.78	21.5	29.13	2.66	4	111	0.172	S
CR1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:27	6.98	8.21	22.1	29.13	2.99	3	111	0.173	SE
CR1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:27	7.69	7.77	22.2	29.28	2.86	3	111	0.105	SE
CR2	20190722	Cloudy	Moderate	Mid-Ebb	B	10.0	15:01	7.08	7.75	22.4	29.11	2.46	6	110	0.105	E
CR2	20190722	Cloudy	Moderate	Mid-Ebb	B	10.0	15:01	7.46	7.71	22.2	29.22	2.72	6	110	0.105	S
CR2	20190722	Cloudy	Moderate	Mid-Ebb	M	5.5	15:02	7.45	7.93	22.2	29.15	2.65	5	111	0.076	E
CR2	20190722	Cloudy	Moderate	Mid-Ebb	M	5.5	15:02	7.65	7.92	21.3	29.3	2.98	4	112	0.155	S
CR2	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:03	7.1	7.79	21.4	29.29	2.98	3	111	0.224	S
CR2	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:03	6.97	8.02	21.4	29.3	2.7	4	111	0.179	E
S1	20190722	Cloudy	Moderate	Mid-Ebb	B	4.4	14:19	7.6	7.64	21.7	29.17	2.7	4	111	0.138	SE
S1	20190722	Cloudy	Moderate	Mid-Ebb	B	4.4	14:19	7.78	8.21	21.4	29.12	2.94	4	111	0.122	SE
S1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:20	7.44	8.18	21.4	29.14	2.79	3	110	0.189	E
S1	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:20	6.84	8.06	21.1	29.11	2.96	4	111	0.097	SE
S2A	20190722	Cloudy	Moderate	Mid-Ebb	B	7.7	14:48	7.27	7.88	21.8	29.19	2.75	4	111	0.217	S
S2A	20190722	Cloudy	Moderate	Mid-Ebb	B	7.7	14:48	7.06	7.78	21	29.1	2.69	3	111	0.125	SE
S2A	20190722	Cloudy	Moderate	Mid-Ebb	M	4.4	14:49	6.94	7.64	21.2	29.24	3.09	4	111	0.251	SE
S2A	20190722	Cloudy	Moderate	Mid-Ebb	M	4.4	14:49	7.65	8.16	21.5	29.13	2.54	4	111	0.141	SE

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:50	7.75	8.05	20.8	29.22	3.01	2	110	0.244	SE
S2A	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	14:50	7.2	7.74	20.9	29.29	2.85	3	110	0.156	E
S3	20190722	Cloudy	Moderate	Mid-Ebb	B	9.5	15:12	7.36	8.06	21.6	29.26	2.61	3	111	0.103	SE
S3	20190722	Cloudy	Moderate	Mid-Ebb	B	9.5	15:12	7.02	8.17	22	29.1	2.62	4	111	0.094	E
S3	20190722	Cloudy	Moderate	Mid-Ebb	M	5.3	15:13	7.69	8.22	21.5	29.24	2.56	4	111	0.153	SE
S3	20190722	Cloudy	Moderate	Mid-Ebb	M	5.3	15:13	7.15	7.81	21.2	29.14	2.91	3	110	0.168	S
S3	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:14	7.08	8.12	22.1	29.18	2.69	3	111	0.194	S
S3	20190722	Cloudy	Moderate	Mid-Ebb	S	1.0	15:14	7.39	7.97	22.3	29.14	2.98	3	111	0.222	S
B1	20190724	Sunny	Moderate	Mid-Flood	B	3.6	10:18	7.27	8.06	20.8	29.8	2.53	5	104	0.29	W
B1	20190724	Sunny	Moderate	Mid-Flood	B	3.6	10:18	6.88	7.87	21	29.71	2.69	5	105	0.188	SW
B1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:19	7.2	7.57	21.5	29.63	3.05	5	104	0.283	SW
B1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:19	6.87	7.73	21.5	29.77	3.12	6	104	0.155	W
B2	20190724	Sunny	Moderate	Mid-Flood	B	4.2	10:38	6.86	8.14	20.6	29.76	2.76	5	105	0.202	W
B2	20190724	Sunny	Moderate	Mid-Flood	B	4.2	10:38	7.32	7.93	20.7	29.62	2.82	6	105	0.161	SW
B2	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:39	7.25	7.65	21.6	29.71	2.96	6	104	0.183	W
B2	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:39	7.06	8.05	20.8	29.61	3.21	5	105	0.148	SW
B3	20190724	Sunny	Moderate	Mid-Flood	B	3.6	11:08	9.6	8.12	22.5	29.49	1.69	6	104	0.151	SW
B3	20190724	Sunny	Moderate	Mid-Flood	B	3.6	11:08	9.73	7.98	22.8	29.43	2.27	7	104	0.131	NW
B3	20190724	Sunny	Moderate	Mid-Flood	S	1.0	11:09	9.95	8.07	23.3	29.41	2.55	6	104	0.204	SW
B3	20190724	Sunny	Moderate	Mid-Flood	S	1.0	11:09	9.32	8.05	22.9	29.47	2.06	5	104	0.264	NW
B4	20190724	Sunny	Moderate	Mid-Flood	B	4.2	11:17	9.57	8.06	22.5	29.42	1.92	6	104	0.166	W
B4	20190724	Sunny	Moderate	Mid-Flood	B	4.2	11:17	9.74	8.15	22.9	29.39	2.2	6	105	0.233	W
B4	20190724	Sunny	Moderate	Mid-Flood	S	1.0	11:18	10.29	8.12	22.2	29.4	2.31	5	104	0.252	SW
B4	20190724	Sunny	Moderate	Mid-Flood	S	1.0	11:18	9.57	7.99	23.1	29.4	2.29	5	104	0.152	W
C1A	20190724	Sunny	Moderate	Mid-Flood	B	10.1	9:38	6.9	7.95	21.2	29.61	2.76	5	104	0.22	NW
C1A	20190724	Sunny	Moderate	Mid-Flood	B	10.1	9:38	6.81	8.03	20.7	29.63	2.35	6	104	0.19	W
C1A	20190724	Sunny	Moderate	Mid-Flood	M	5.6	9:39	6.81	8.11	21.1	29.69	2.56	6	104	0.19	W
C1A	20190724	Sunny	Moderate	Mid-Flood	M	5.6	9:39	6.84	7.95	21.9	29.65	2.69	5	104	0.272	SW
C1A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:40	7.12	7.73	21.1	29.67	2.72	6	104	0.177	NW
C1A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:40	6.91	7.72	20.7	29.69	3.02	6	104	0.288	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C2A	20190724	Sunny	Moderate	Mid-Flood	B	11.0	8:41	10.2	8.16	23.3	29.45	2.07	4	104	0.22	SW
C2A	20190724	Sunny	Moderate	Mid-Flood	B	11.0	8:41	9.37	8.05	22.8	29.44	2.26	4	103	0.247	W
C2A	20190724	Sunny	Moderate	Mid-Flood	M	6.0	8:42	10	8.12	22.7	29.48	2.29	5	104	0.158	W
C2A	20190724	Sunny	Moderate	Mid-Flood	M	6.0	8:42	10.17	8.17	23.2	29.46	2.46	4	104	0.216	W
C2A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	8:43	10.16	8.16	22.2	29.4	2.23	5	105	0.263	W
C2A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	8:43	9.6	8.21	22.9	29.38	2.52	5	104	0.161	W
H1	20190724	Sunny	Moderate	Mid-Flood	B	7.3	9:39	7.38	7.6	21.5	29.61	2.06	7	104	0.247	W
H1	20190724	Sunny	Moderate	Mid-Flood	B	7.3	9:39	6.96	8.07	21	29.71	1.98	6	104	0.196	W
H1	20190724	Sunny	Moderate	Mid-Flood	M	4.2	9:40	7.04	7.82	21.6	29.72	2.06	6	104	0.216	W
H1	20190724	Sunny	Moderate	Mid-Flood	M	4.2	9:40	7.46	7.98	21.5	29.62	2.22	5	104	0.246	SW
H1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:41	7.02	7.85	21.8	29.8	2.25	6	104	0.137	SW
H1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:41	7.21	8.01	20.7	29.63	2.38	5	104	0.287	W
F1A	20190724	Sunny	Moderate	Mid-Flood	B	7.8	10:14	7.32	7.98	21.2	29.79	1.74	5	104	0.199	W
F1A	20190724	Sunny	Moderate	Mid-Flood	B	7.8	10:14	7.37	8.12	21.6	29.77	1.99	6	104	0.141	SW
F1A	20190724	Sunny	Moderate	Mid-Flood	M	4.4	10:15	7.55	7.98	21.2	29.65	2.26	6	104	0.211	W
F1A	20190724	Sunny	Moderate	Mid-Flood	M	4.4	10:15	6.94	8.14	20.7	29.63	2.1	5	104	0.185	NW
F1A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:16	7.53	7.64	20.9	29.78	2.51	4	105	0.171	W
F1A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:16	7.38	8.08	21.3	29.8	2.16	4	103	0.161	W
M1	20190724	Sunny	Moderate	Mid-Flood	B	7.6	10:44	7.56	7.71	21.1	29.78	2.04	4	104	0.18	W
M1	20190724	Sunny	Moderate	Mid-Flood	B	7.6	10:44	7.15	7.82	21.6	29.79	2.17	4	103	0.122	W
M1	20190724	Sunny	Moderate	Mid-Flood	M	4.3	10:45	7.18	7.66	21.4	29.7	2.05	4	105	0.281	W
M1	20190724	Sunny	Moderate	Mid-Flood	M	4.3	10:45	7.1	7.62	21.4	29.66	1.93	5	104	0.257	W
M1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:46	7.34	7.65	21.6	29.74	2.1	5	104	0.289	NW
M1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:46	7.05	8.14	20.7	29.77	2.13	5	105	0.17	W
CR1	20190724	Sunny	Moderate	Mid-Flood	B	11.7	9:01	6.81	7.61	21.3	29.19	2.56	5	104	0.237	SW
CR1	20190724	Sunny	Moderate	Mid-Flood	B	11.7	9:01	7.47	8.08	20.3	29.12	2.76	6	104	0.232	W
CR1	20190724	Sunny	Moderate	Mid-Flood	M	6.4	9:02	7.14	7.79	20.5	29.19	2.62	5	105	0.177	W
CR1	20190724	Sunny	Moderate	Mid-Flood	M	6.4	9:02	7.07	7.91	20.6	29.17	2.92	4	104	0.246	W
CR1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:03	7.39	7.92	21.4	29.17	3.17	5	104	0.219	W
CR1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:03	7.19	7.56	20.2	29.19	3.23	4	104	0.151	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR2	20190724	Sunny	Moderate	Mid-Flood	B	10.5	9:21	7.05	7.97	20.6	29.13	2.65	5	104	0.185	W
CR2	20190724	Sunny	Moderate	Mid-Flood	B	10.5	9:21	7.6	7.55	20.3	29.1	2.49	5	105	0.219	NW
CR2	20190724	Sunny	Moderate	Mid-Flood	M	5.8	9:22	7.01	8.01	20.2	29.11	3.04	6	105	0.176	W
CR2	20190724	Sunny	Moderate	Mid-Flood	M	5.8	9:22	6.88	7.71	21	29.19	2.73	6	105	0.212	W
CR2	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:23	7.35	7.92	21.4	29.2	2.93	5	104	0.21	NW
CR2	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:23	7.44	7.98	20.6	29.19	2.93	6	104	0.159	SW
S1	20190724	Sunny	Moderate	Mid-Flood	B	4.6	10:28	6.95	7.66	20.5	29.17	2.71	6	103	0.16	W
S1	20190724	Sunny	Moderate	Mid-Flood	B	4.6	10:28	7.66	7.84	21	29.1	2.9	8	104	0.163	W
S1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:29	7.44	7.7	20.5	29.18	2.72	4	105	0.135	W
S1	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:29	7.12	7.81	20.6	29.14	3.21	4	104	0.261	W
S2A	20190724	Sunny	Moderate	Mid-Flood	B	8.1	10:54	7.4	7.83	20.6	29.18	2.9	6	104	0.154	NW
S2A	20190724	Sunny	Moderate	Mid-Flood	B	8.1	10:54	7.11	7.61	20.4	29.17	2.61	5	105	0.26	NW
S2A	20190724	Sunny	Moderate	Mid-Flood	M	4.6	10:55	6.96	7.69	21	29.2	2.68	5	104	0.28	W
S2A	20190724	Sunny	Moderate	Mid-Flood	M	4.6	10:55	6.99	8.1	20.2	29.18	3.08	6	104	0.282	W
S2A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:56	7.11	7.7	21.2	29.17	3.22	5	103	0.288	W
S2A	20190724	Sunny	Moderate	Mid-Flood	S	1.0	10:56	7.57	7.86	20.2	29.1	3.03	4	104	0.259	W
S3	20190724	Sunny	Moderate	Mid-Flood	B	9.5	9:11	7.09	7.66	20.4	29.19	2.62	5	105	0.174	SW
S3	20190724	Sunny	Moderate	Mid-Flood	B	9.5	9:11	7.62	7.81	21.1	29.16	2.47	5	105	0.167	NW
S3	20190724	Sunny	Moderate	Mid-Flood	M	5.3	9:12	7.1	7.8	21.1	29.16	2.76	6	103	0.132	W
S3	20190724	Sunny	Moderate	Mid-Flood	M	5.3	9:12	7.33	7.57	20.5	29.14	2.81	6	104	0.233	W
S3	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:13	6.99	7.91	21	29.11	2.85	4	104	0.155	SW
S3	20190724	Sunny	Moderate	Mid-Flood	S	1.0	9:13	7.44	7.98	20.4	29.2	3.14	4	105	0.2	NW
B1	20190724	Sunny	Moderate	Mid-Ebb	B	3.6	15:19	7.23	8	21.2	29.69	2.44	6	104	0.183	E
B1	20190724	Sunny	Moderate	Mid-Ebb	B	3.6	15:19	7.23	7.78	20.9	29.71	2.67	6	105	0.167	S
B1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:20	6.83	7.84	20.9	29.76	2.96	5	104	0.096	S
B1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:20	7.26	7.85	21.4	29.8	2.96	5	104	0.133	SE
B2	20190724	Sunny	Moderate	Mid-Ebb	B	4.3	15:39	7	7.9	20.8	29.62	2.52	6	104	0.091	E
B2	20190724	Sunny	Moderate	Mid-Ebb	B	4.3	15:39	7.31	7.8	21.3	29.8	2.6	4	104	0.111	SE
B2	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:40	7.13	7.93	20.7	29.64	3.12	4	104	0.248	SE



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:40	7.4	7.86	21	29.62	3.01	4	104	0.177	SE
B3	20190724	Sunny	Moderate	Mid-Ebb	B	3.6	16:09	10.23	8.33	22.9	29.62	1.81	5	105	0.252	SE
B3	20190724	Sunny	Moderate	Mid-Ebb	B	3.6	16:09	10.17	8.19	22.9	29.44	2.03	4	105	0.201	SE
B3	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	16:10	9.95	8.27	23.2	29.44	2.52	4	104	0.077	SE
B3	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	16:10	9.93	7.91	22.8	29.54	2.42	5	104	0.093	S
B4	20190724	Sunny	Moderate	Mid-Ebb	B	3.9	16:18	9.89	8.19	23	29.42	2.17	5	104	0.106	E
B4	20190724	Sunny	Moderate	Mid-Ebb	B	3.9	16:18	9.67	8.28	23	29.5	1.9	5	104	0.17	S
B4	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	16:19	9.6	8.34	22.6	29.63	2.26	4	104	0.138	SE
B4	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	16:19	9.77	7.96	22.9	29.48	2.26	5	104	0.249	SE
C1A	20190724	Sunny	Moderate	Mid-Ebb	B	8.8	14:53	6.91	7.68	21.4	29.8	2.56	4	105	0.089	E
C1A	20190724	Sunny	Moderate	Mid-Ebb	B	8.8	14:53	7.1	7.98	21.4	29.7	2.73	4	104	0.121	SE
C1A	20190724	Sunny	Moderate	Mid-Ebb	M	4.9	14:54	7.16	7.86	21.6	29.68	2.57	5	105	0.116	SE
C1A	20190724	Sunny	Moderate	Mid-Ebb	M	4.9	14:54	7.28	7.69	21.5	29.64	3.03	4	104	0.236	E
C1A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	14:55	7.07	8	21.3	29.75	3.12	4	102	0.244	S
C1A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	14:55	7.36	7.82	21.3	29.68	2.75	5	104	0.173	SE
C2A	20190724	Sunny	Moderate	Mid-Ebb	B	11.2	15:01	9.78	8.19	22.9	29.56	1.75	5	103	0.25	SE
C2A	20190724	Sunny	Moderate	Mid-Ebb	B	11.2	15:01	10.19	8.18	23.2	29.58	2.2	5	104	0.25	SE
C2A	20190724	Sunny	Moderate	Mid-Ebb	M	6.1	15:02	9.62	8.33	22.9	29.5	2.22	5	104	0.202	E
C2A	20190724	Sunny	Moderate	Mid-Ebb	M	6.1	15:02	9.85	8.31	22.6	29.62	2.19	5	104	0.225	SE
C2A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:03	9.52	8.14	23.2	29.59	2.23	4	105	0.234	S
C2A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:03	9.49	8.07	22.7	29.57	2.29	5	104	0.232	S
F1A	20190724	Sunny	Moderate	Mid-Ebb	B	7.4	16:33	9.87	7.9	22.9	29.61	2.24	6	104	0.215	SE
F1A	20190724	Sunny	Moderate	Mid-Ebb	B	7.4	16:33	9.94	8.32	22.9	29.52	2.21	5	104	0.077	SE
F1A	20190724	Sunny	Moderate	Mid-Ebb	M	4.2	16:34	10.33	8.07	22.5	29.53	2.23	4	105	0.086	SE
F1A	20190724	Sunny	Moderate	Mid-Ebb	M	4.2	16:34	9.88	8.13	22.8	29.57	1.94	4	104	0.217	E
F1A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	16:35	9.37	8.31	22.7	29.45	2.4	4	104	0.174	SE
F1A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	16:35	9.46	8.02	22.8	29.43	2.2	4	105	0.245	E
H1	20190724	Sunny	Moderate	Mid-Ebb	B	7.7	15:56	9.85	8.02	22.5	29.55	2.22	7	104	0.104	SE
H1	20190724	Sunny	Moderate	Mid-Ebb	B	7.7	15:56	10.19	7.99	23	29.51	1.95	6	105	0.12	S

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
H1	20190724	Sunny	Moderate	Mid-Ebb	M	4.4	15:57	10.3	8	22.8	29.6	1.91	5	105	0.148	SE
H1	20190724	Sunny	Moderate	Mid-Ebb	M	4.4	15:57	9.79	8.27	23.1	29.45	1.93	4	104	0.214	E
H1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:58	9.54	8.22	22.8	29.49	2.02	3	104	0.157	SE
H1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:58	10.24	8.05	22.6	29.48	2.11	4	104	0.241	S
M1	20190724	Sunny	Moderate	Mid-Ebb	B	7.8	17:05	10.29	8.22	22.6	29.48	1.85	6	107	0.145	E
M1	20190724	Sunny	Moderate	Mid-Ebb	B	7.8	17:05	10	8.12	23.1	29.42	2.09	6	107	0.209	SE
M1	20190724	Sunny	Moderate	Mid-Ebb	M	4.4	17:06	10.26	8.2	23.1	29.57	2.25	5	106	0.092	SE
M1	20190724	Sunny	Moderate	Mid-Ebb	M	4.4	17:06	9.85	8.25	22.9	29.63	2.08	5	107	0.224	S
M1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	17:07	9.74	7.99	22.7	29.63	2.2	4	106	0.176	SE
M1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	17:07	10.01	8	22.8	29.42	1.98	5	106	0.237	SE
CR1	20190724	Sunny	Moderate	Mid-Ebb	B	11.6	15:20	7.31	7.97	21.3	29.74	3.01	6	107	0.106	E
CR1	20190724	Sunny	Moderate	Mid-Ebb	B	11.6	15:20	7.12	7.74	21.4	29.7	2.7	7	107	0.112	SE
CR1	20190724	Sunny	Moderate	Mid-Ebb	M	6.3	15:21	7.18	7.94	20.7	29.75	2.95	7	107	0.247	E
CR1	20190724	Sunny	Moderate	Mid-Ebb	M	6.3	15:21	6.83	7.82	21.2	29.81	3	6	107	0.241	E
CR1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:22	7.02	7.99	21.1	29.77	3.25	6	103	0.163	S
CR1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:22	6.98	8.01	21.4	29.63	3.01	5	104	0.183	E
CR2	20190724	Sunny	Moderate	Mid-Ebb	B	9.8	15:38	7.09	7.79	21.1	29.71	2.7	6	107	0.148	SE
CR2	20190724	Sunny	Moderate	Mid-Ebb	B	9.8	15:38	7.27	7.85	20.9	29.76	2.76	5	107	0.202	E
CR2	20190724	Sunny	Moderate	Mid-Ebb	M	5.4	15:39	7.32	7.71	21.4	29.77	2.89	6	107	0.108	SE
CR2	20190724	Sunny	Moderate	Mid-Ebb	M	5.4	15:39	6.83	7.94	20.8	29.81	3.12	5	106	0.101	SE
CR2	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:40	7.04	7.91	21.3	29.77	2.7	5	107	0.212	SE
CR2	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:40	6.85	8.03	21.1	29.68	2.79	5	102	0.251	SE
S1	20190724	Sunny	Moderate	Mid-Ebb	B	4.4	15:29	7.33	7.87	20.7	29.72	2.8	5	104	0.138	SE
S1	20190724	Sunny	Moderate	Mid-Ebb	B	4.4	15:29	7.2	7.73	21	29.65	3.02	5	104	0.212	E
S1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:30	7.08	7.74	20.9	29.72	2.91	5	105	0.078	S
S1	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:30	7.07	7.68	21.1	29.65	2.83	4	104	0.181	S
S2A	20190724	Sunny	Moderate	Mid-Ebb	B	8.4	15:53	6.98	7.72	21.3	29.82	2.92	6	105	0.085	SE
S2A	20190724	Sunny	Moderate	Mid-Ebb	B	8.4	15:53	6.86	7.82	21.6	29.62	2.6	7	104	0.208	SE
S2A	20190724	Sunny	Moderate	Mid-Ebb	M	4.7	15:54	7.38	7.88	21.5	29.8	2.79	3	103	0.079	SE

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190724	Sunny	Moderate	Mid-Ebb	M	4.7	15:54	6.96	7.75	21	29.7	2.76	4	104	0.242	SE
S2A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:55	7.29	8	21.3	29.71	2.75	4	104	0.168	SE
S2A	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:55	6.96	7.65	21.5	29.75	3.18	3	104	0.229	E
S3	20190724	Sunny	Moderate	Mid-Ebb	B	10.4	15:29	6.94	7.98	21.3	29.73	2.73	5	104	0.212	SE
S3	20190724	Sunny	Moderate	Mid-Ebb	B	10.4	15:29	7.13	7.73	21.4	29.81	2.83	4	105	0.157	S
S3	20190724	Sunny	Moderate	Mid-Ebb	M	5.7	15:30	6.89	7.66	21.6	29.81	2.88	6	104	0.252	SE
S3	20190724	Sunny	Moderate	Mid-Ebb	M	5.7	15:30	7.36	7.87	21.4	29.73	2.58	5	104	0.229	S
S3	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:31	7	7.84	21.6	29.83	3.12	6	104	0.093	SE
S3	20190724	Sunny	Moderate	Mid-Ebb	S	1.0	15:31	7.38	7.97	21.2	29.64	2.85	7	104	0.082	S
B1	20190726	Sunny	Moderate	Mid-Flood	B	4.3	12:58	6.98	7.9	21.3	29.64	2.58	7	105	0.123	NW
B1	20190726	Sunny	Moderate	Mid-Flood	B	4.3	12:58	7.13	7.79	21.1	29.52	2.77	7	104	0.233	W
B1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:59	6.85	7.92	21.4	29.54	2.73	7	105	0.235	W
B1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:59	7.19	7.98	20.4	29.51	3.21	7	105	0.224	W
B2	20190726	Sunny	Moderate	Mid-Flood	B	3.7	13:17	7	8.05	21.3	29.62	2.91	5	104	0.225	W
B2	20190726	Sunny	Moderate	Mid-Flood	B	3.7	13:17	7.1	7.69	20.9	29.53	2.75	6	104	0.182	NW
B2	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:18	6.97	7.86	21.7	29.63	2.73	6	104	0.149	W
B2	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:18	7.15	7.92	21.2	29.61	2.95	4	104	0.281	W
B3	20190726	Sunny	Moderate	Mid-Flood	B	3.5	12:16	8.91	8.1	22.8	29.53	2.01	6	105	0.243	W
B3	20190726	Sunny	Moderate	Mid-Flood	B	3.5	12:16	9.05	8.2	22.5	29.63	2.02	5	105	0.227	SW
B3	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:17	9.7	8.22	21.8	29.54	1.86	5	105	0.122	NW
B3	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:17	9.21	8.28	22.3	29.56	2.04	4	106	0.166	W
B4	20190726	Sunny	Moderate	Mid-Flood	B	4.5	12:26	8.95	8.25	22.4	29.57	1.46	6	104	0.221	W
B4	20190726	Sunny	Moderate	Mid-Flood	B	4.5	12:26	9.51	8.26	21.7	29.53	2.02	6	105	0.137	W
B4	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:27	9.78	8.05	22.1	29.6	2.37	4	105	0.232	W
B4	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:27	9.61	8.3	22.1	29.56	2.2	5	105	0.285	W
C1A	20190726	Sunny	Moderate	Mid-Flood	B	10.8	12:31	7.12	7.66	20.9	29.63	2.87	7	104	0.176	W
C1A	20190726	Sunny	Moderate	Mid-Flood	B	10.8	12:31	6.99	7.89	20.8	29.63	2.9	7	104	0.179	W
C1A	20190726	Sunny	Moderate	Mid-Flood	M	5.9	12:32	7.01	8.13	20.7	29.6	2.64	6	105	0.166	SW
C1A	20190726	Sunny	Moderate	Mid-Flood	M	5.9	12:32	7.07	7.82	21.1	29.51	3.1	6	105	0.146	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:33	6.86	7.63	21.2	29.64	3.25	6	104	0.13	W
C1A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:33	6.99	7.68	21.4	29.59	2.76	5	104	0.29	W
C2A	20190726	Sunny	Moderate	Mid-Flood	B	10.8	11:42	9.02	8.15	21.8	29.56	1.61	8	104	0.135	NW
C2A	20190726	Sunny	Moderate	Mid-Flood	B	10.8	11:42	9.01	8.34	21.9	29.55	1.58	9	104	0.229	W
C2A	20190726	Sunny	Moderate	Mid-Flood	M	5.9	11:43	9.31	8.19	21.8	29.56	1.68	9	104	0.287	W
C2A	20190726	Sunny	Moderate	Mid-Flood	M	5.9	11:43	9.44	8.05	22.4	29.55	2.09	8	105	0.257	W
C2A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	11:44	9.36	8.16	22.3	29.61	2.24	6	104	0.235	W
C2A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	11:44	9.42	8.33	22.2	29.57	1.85	7	104	0.161	NW
F1A	20190726	Sunny	Moderate	Mid-Flood	B	6.8	12:57	8.88	8.25	22.3	29.53	1.75	8	105	0.254	W
F1A	20190726	Sunny	Moderate	Mid-Flood	B	6.8	12:57	9.21	8.18	21.7	29.6	1.44	8	106	0.177	SW
F1A	20190726	Sunny	Moderate	Mid-Flood	M	3.9	12:58	9.15	8.33	21.9	29.56	2.19	6	102	0.27	NW
F1A	20190726	Sunny	Moderate	Mid-Flood	M	3.9	12:58	9.46	8.23	21.7	29.53	1.78	8	104	0.194	SW
F1A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:59	9.63	8.22	22.5	29.52	1.99	8	104	0.207	NW
F1A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:59	9.53	8.22	22.2	29.64	1.82	7	105	0.2	W
H1	20190726	Sunny	Moderate	Mid-Flood	B	6.6	12:00	8.98	8.26	21.9	29.55	1.92	4	105	0.282	W
H1	20190726	Sunny	Moderate	Mid-Flood	B	6.6	12:00	9.12	8.13	22.1	29.58	1.53	4	105	0.136	W
H1	20190726	Sunny	Moderate	Mid-Flood	M	3.8	12:01	9.47	8.24	22	29.62	1.65	4	104	0.173	W
H1	20190726	Sunny	Moderate	Mid-Flood	M	3.8	12:01	9.27	8.34	22.5	29.52	1.8	5	104	0.282	W
H1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:02	9.55	8.25	22.2	29.57	2.27	4	105	0.264	W
H1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	12:02	9.17	8.19	22.6	29.63	1.97	4	104	0.179	W
M1	20190726	Sunny	Moderate	Mid-Flood	B	7.4	13:31	8.95	8.29	22.2	29.62	1.95	6	102	0.259	W
M1	20190726	Sunny	Moderate	Mid-Flood	B	7.4	13:31	9.76	8.24	21.9	29.54	1.66	7	104	0.135	SW
M1	20190726	Sunny	Moderate	Mid-Flood	M	4.2	13:32	9.53	8.15	22	29.58	1.86	7	102	0.169	NW
M1	20190726	Sunny	Moderate	Mid-Flood	M	4.2	13:32	9.51	8.21	21.9	29.61	1.82	6	102	0.262	W
M1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:33	9.26	8.31	21.7	29.52	2.16	6	102	0.17	W
M1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:33	8.91	8.15	22.8	29.64	1.82	5	102	0.214	W
CR1	20190726	Sunny	Moderate	Mid-Flood	B	11.9	14:10	7.09	7.67	20.5	29.53	2.85	6	102	0.26	W
CR1	20190726	Sunny	Moderate	Mid-Flood	B	11.9	14:10	6.89	7.95	21.6	29.62	2.44	6	104	0.245	W
CR1	20190726	Sunny	Moderate	Mid-Flood	M	6.5	14:11	7.16	7.61	21.1	29.65	2.64	6	105	0.244	W

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190726	Sunny	Moderate	Mid-Flood	M	6.5	14:11	7.02	7.88	21.7	29.56	3.04	4	104	0.204	SW
CR1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	14:12	7	8.09	20.8	29.66	3.05	5	104	0.149	W
CR1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	14:12	6.89	8.03	21.7	29.61	2.93	5	104	0.275	W
CR2	20190726	Sunny	Moderate	Mid-Flood	B	10.7	13:46	7.13	7.86	21.4	29.55	2.62	6	102	0.287	W
CR2	20190726	Sunny	Moderate	Mid-Flood	B	10.7	13:46	7.11	7.6	20.7	29.52	2.87	6	102	0.292	W
CR2	20190726	Sunny	Moderate	Mid-Flood	M	5.9	13:47	7.04	8.01	21.6	29.64	2.69	6	101	0.18	NW
CR2	20190726	Sunny	Moderate	Mid-Flood	M	5.9	13:47	6.84	7.72	20.6	29.58	2.74	5	101	0.149	W
CR2	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:48	6.85	7.82	21.2	29.55	2.96	5	102	0.281	W
CR2	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:48	6.97	7.74	21.4	29.61	3.21	5	102	0.176	SW
S1	20190726	Sunny	Moderate	Mid-Flood	B	4.0	13:07	6.95	7.77	20.4	29.59	2.89	6	105	0.153	NW
S1	20190726	Sunny	Moderate	Mid-Flood	B	4.0	13:07	7.03	7.93	21.3	29.56	2.64	6	104	0.183	NW
S1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:08	6.83	7.99	21.7	29.6	2.72	5	104	0.198	SW
S1	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:08	6.9	7.78	21.2	29.57	2.68	6	104	0.285	W
S2A	20190726	Sunny	Moderate	Mid-Flood	B	8.3	13:32	7.09	7.94	21.3	29.55	2.81	6	104	0.264	W
S2A	20190726	Sunny	Moderate	Mid-Flood	B	8.3	13:32	7.08	8.06	21	29.61	2.32	6	105	0.241	W
S2A	20190726	Sunny	Moderate	Mid-Flood	M	4.7	13:33	6.95	7.94	21.3	29.6	3.09	5	105	0.212	SW
S2A	20190726	Sunny	Moderate	Mid-Flood	M	4.7	13:33	6.93	7.67	21.4	29.55	2.63	6	103	0.123	W
S2A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:34	7.12	8.12	20.4	29.66	3.13	5	104	0.18	SW
S2A	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:34	7.15	7.95	20.6	29.58	2.69	6	104	0.21	W
S3	20190726	Sunny	Moderate	Mid-Flood	B	9.1	13:56	6.89	7.55	21.5	29.51	2.55	7	105	0.142	W
S3	20190726	Sunny	Moderate	Mid-Flood	B	9.1	13:56	7.05	7.68	21.1	29.63	2.48	7	105	0.138	W
S3	20190726	Sunny	Moderate	Mid-Flood	M	5.1	13:57	7.04	7.76	20.8	29.6	2.62	6	104	0.22	NW
S3	20190726	Sunny	Moderate	Mid-Flood	M	5.1	13:57	6.95	7.72	20.4	29.56	3.08	6	105	0.21	W
S3	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:58	6.86	7.99	21	29.57	3.01	6	104	0.233	NW
S3	20190726	Sunny	Moderate	Mid-Flood	S	1.0	13:58	6.99	7.83	21.6	29.52	3.12	6	104	0.289	SW
B1	20190726	Sunny	Moderate	Mid-Ebb	B	4.0	16:58	7.66	7.78	20.5	29.57	2.97	7	102	0.109	SE
B1	20190726	Sunny	Moderate	Mid-Ebb	B	4.0	16:58	7.65	7.7	20.3	29.55	2.76	7	102	0.249	SE
B1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:59	7.14	8.18	21.4	29.49	3.01	7	102	0.128	S
B1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:59	7.17	8.09	20.4	29.57	2.93	7	103	0.089	S

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B2	20190726	Sunny	Moderate	Mid-Ebb	B	4.0	17:08	7.29	7.91	20.5	29.52	2.95	8	105	0.205	SE
B2	20190726	Sunny	Moderate	Mid-Ebb	B	4.0	17:08	7.5	7.93	21.1	29.56	2.79	8	108	0.11	S
B2	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:09	7.51	7.74	21.2	29.47	3.07	7	102	0.19	SE
B2	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:09	7.5	7.92	20.2	29.52	2.82	7	104	0.102	SE
B3	20190726	Sunny	Moderate	Mid-Ebb	B	3.9	17:18	8.83	8.05	23.3	29.63	2.01	7	105	0.079	S
B3	20190726	Sunny	Moderate	Mid-Ebb	B	3.9	17:18	9.67	8.25	22.4	29.71	2.04	8	105	0.105	E
B3	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:19	9.6	7.94	22.9	29.73	2.44	7	107	0.093	S
B3	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:19	9.78	8.04	22.7	29.66	2.7	6	104	0.179	E
B4	20190726	Sunny	Moderate	Mid-Ebb	B	3.1	17:26	9.84	7.76	22.3	29.66	2.34	8	104	0.192	S
B4	20190726	Sunny	Moderate	Mid-Ebb	B	3.1	17:26	9.62	8.23	22.7	29.62	1.93	8	104	0.237	E
B4	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:27	8.83	7.93	23.3	29.65	2.59	7	105	0.082	E
B4	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:27	8.94	7.84	22.2	29.66	2.11	8	105	0.09	S
C1A	20190726	Sunny	Moderate	Mid-Ebb	B	9.4	16:34	7.55	7.9	20.6	29.54	2.94	8	105	0.082	S
C1A	20190726	Sunny	Moderate	Mid-Ebb	B	9.4	16:34	7.92	8.06	21.2	29.54	2.44	7	104	0.106	SE
C1A	20190726	Sunny	Moderate	Mid-Ebb	M	5.2	16:35	7.89	8.14	20.3	29.53	2.56	8	104	0.187	E
C1A	20190726	Sunny	Moderate	Mid-Ebb	M	5.2	16:35	7.34	7.76	20.8	29.57	2.68	8	105	0.217	E
C1A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:36	7.68	7.87	20.4	29.57	2.74	9	104	0.251	E
C1A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:36	6.89	7.78	20.9	29.55	3.26	8	106	0.201	S
C2A	20190726	Sunny	Moderate	Mid-Ebb	B	10.9	16:44	9.19	8.12	22.9	29.65	2.32	6	104	0.083	E
C2A	20190726	Sunny	Moderate	Mid-Ebb	B	10.9	16:44	9.16	7.78	22.6	29.67	2.1	6	104	0.109	SE
C2A	20190726	Sunny	Moderate	Mid-Ebb	M	6.0	16:45	9.32	7.98	23.1	29.68	2.51	6	104	0.241	E
C2A	20190726	Sunny	Moderate	Mid-Ebb	M	6.0	16:45	9.58	7.83	22.6	29.65	2.5	6	104	0.21	SE
C2A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:46	8.8	7.81	22.3	29.72	2.41	7	104	0.199	S
C2A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:46	9.41	8.33	22.4	29.65	2.14	6	104	0.246	S
F1A	20190726	Sunny	Moderate	Mid-Ebb	B	7.0	17:52	8.83	8.15	22.5	29.72	2.24	6	102	0.092	E
F1A	20190726	Sunny	Moderate	Mid-Ebb	B	7.0	17:52	9.73	7.76	23.3	29.69	2.15	7	104	0.179	SE
F1A	20190726	Sunny	Moderate	Mid-Ebb	M	4.0	17:53	9.69	8.07	23	29.61	2.29	7	104	0.087	E
F1A	20190726	Sunny	Moderate	Mid-Ebb	M	4.0	17:53	9.14	7.85	22.6	29.64	2.11	7	103	0.154	SE
F1A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:54	9.92	7.96	23.1	29.61	2.26	6	104	0.227	SE



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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:54	9.1	7.8	22.5	29.66	2.13	7	104	0.193	S
H1	20190726	Sunny	Moderate	Mid-Ebb	B	7.9	17:00	9.73	7.85	22.3	29.69	2.19	8	104	0.204	S
H1	20190726	Sunny	Moderate	Mid-Ebb	B	7.9	17:00	9.39	7.7	22.6	29.71	2.09	9	104	0.117	S
H1	20190726	Sunny	Moderate	Mid-Ebb	M	4.5	17:01	9.67	8.34	22.7	29.66	2.49	9	104	0.14	S
H1	20190726	Sunny	Moderate	Mid-Ebb	M	4.5	17:01	9.67	8.28	22.7	29.65	2.02	8	104	0.101	SE
H1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:02	8.97	8.18	22.7	29.7	2.6	7	105	0.117	E
H1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:02	9.1	8.17	22.7	29.7	2.64	7	104	0.236	S
M1	20190726	Sunny	Moderate	Mid-Ebb	B	8.0	18:24	9.58	7.88	22.7	29.73	2.21	9	100	0.245	S
M1	20190726	Sunny	Moderate	Mid-Ebb	B	8.0	18:24	9.56	8.05	22.4	29.61	2.08	10	102	0.148	E
M1	20190726	Sunny	Moderate	Mid-Ebb	M	4.5	18:25	9.71	8.03	22.7	29.72	2.34	9	104	0.118	E
M1	20190726	Sunny	Moderate	Mid-Ebb	M	4.5	18:25	9.09	7.78	23	29.64	2.5	8	102	0.19	S
M1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	18:26	9.61	7.99	22.4	29.67	2.2	7	102	0.122	SE
M1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	18:26	8.91	8.16	22.3	29.69	2.58	7	102	0.244	SE
CR1	20190726	Sunny	Moderate	Mid-Ebb	B	12.3	18:11	6.86	7.74	20.5	29.52	2.48	6	102	0.119	S
CR1	20190726	Sunny	Moderate	Mid-Ebb	B	12.3	18:11	6.83	7.96	21.4	29.52	2.43	6	105	0.128	S
CR1	20190726	Sunny	Moderate	Mid-Ebb	M	6.7	18:12	7.25	7.99	20.8	29.57	2.95	6	102	0.248	SE
CR1	20190726	Sunny	Moderate	Mid-Ebb	M	6.7	18:12	6.85	8.02	20.9	29.57	2.72	5	105	0.119	SE
CR1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	18:13	7.02	8.19	20.2	29.52	3.2	5	103	0.21	E
CR1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	18:13	7.66	8.05	21.2	29.47	2.76	6	103	0.097	SE
CR2	20190726	Sunny	Moderate	Mid-Ebb	B	10.0	17:47	7.37	7.93	20.6	29.55	2.8	10	104	0.131	S
CR2	20190726	Sunny	Moderate	Mid-Ebb	B	10.0	17:47	7.78	7.75	21.1	29.56	2.65	9	101	0.124	SE
CR2	20190726	Sunny	Moderate	Mid-Ebb	M	5.5	17:48	7.79	7.97	21	29.57	2.81	8	105	0.11	S
CR2	20190726	Sunny	Moderate	Mid-Ebb	M	5.5	17:48	7.03	8	20.9	29.47	2.92	9	104	0.151	SE
CR2	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:49	7.18	7.92	21.2	29.46	2.95	8	105	0.23	E
CR2	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:49	6.86	8.22	20.4	29.48	2.69	8	105	0.175	S
S1	20190726	Sunny	Moderate	Mid-Ebb	B	4.1	16:58	7.26	8.16	21.3	29.49	2.99	5	103	0.242	SE
S1	20190726	Sunny	Moderate	Mid-Ebb	B	4.1	16:58	6.85	8.14	21.2	29.55	3.01	4	104	0.117	E
S1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:59	7.39	8.2	21.3	29.49	2.95	5	104	0.135	SE
S1	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	16:59	7.33	8.2	20.5	29.5	3.03	5	105	0.188	SE

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S2A	20190726	Sunny	Moderate	Mid-Ebb	B	7.7	17:33	6.85	8.07	20.3	29.49	2.83	7	104	0.245	S
S2A	20190726	Sunny	Moderate	Mid-Ebb	B	7.7	17:33	6.86	7.71	20.6	29.54	2.7	6	104	0.206	E
S2A	20190726	Sunny	Moderate	Mid-Ebb	M	4.4	17:34	7.17	8.13	21.4	29.51	2.95	6	102	0.212	S
S2A	20190726	Sunny	Moderate	Mid-Ebb	M	4.4	17:34	7.24	7.75	21	29.53	2.89	7	102	0.129	SE
S2A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:35	6.83	8.18	20.4	29.54	3.01	4	104	0.125	SE
S2A	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:35	7.33	7.99	20.5	29.51	2.98	5	105	0.15	S
S3	20190726	Sunny	Moderate	Mid-Ebb	B	10.0	17:55	7.12	7.88	21.2	29.5	2.91	5	105	0.191	E
S3	20190726	Sunny	Moderate	Mid-Ebb	B	10.0	17:55	7.42	8.2	21.2	29.48	2.92	5	102	0.227	E
S3	20190726	Sunny	Moderate	Mid-Ebb	M	5.5	17:56	7.72	7.75	21.4	29.49	2.73	5	102	0.205	S
S3	20190726	Sunny	Moderate	Mid-Ebb	M	5.5	17:56	7.26	7.76	20.4	29.54	2.69	4	100	0.134	SE
S3	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:57	7.16	7.79	20.8	29.55	3.06	5	102	0.249	S
S3	20190726	Sunny	Moderate	Mid-Ebb	S	1.0	17:57	6.93	7.96	20.7	29.51	3.11	4	104	0.153	S
B1	20190729	Sunny	Moderate	Mid-Ebb	B	4.2	8:46	7.85	7.8	22	28.61	2.63	3	101	0.129	SE
B1	20190729	Sunny	Moderate	Mid-Ebb	B	4.2	8:46	7.81	7.97	20.7	28.61	2.82	4	100	0.174	SE
B1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:47	7.52	7.62	21.8	28.55	3.04	3	101	0.082	S
B1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:47	7.08	7.99	21.5	28.55	2.99	3	100	0.092	S
B2	20190729	Sunny	Moderate	Mid-Ebb	B	4.4	9:05	7.27	7.6	20.5	28.62	2.68	4	102	0.154	E
B2	20190729	Sunny	Moderate	Mid-Ebb	B	4.4	9:05	7.79	7.67	21.8	28.59	2.95	5	102	0.117	E
B2	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:06	7.33	7.86	22.4	28.62	3.16	3	102	0.147	E
B2	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:06	7.78	7.96	22.3	28.65	2.67	4	102	0.156	S
B3	20190729	Sunny	Moderate	Mid-Ebb	B	3.4	9:07	9.25	7.97	21.3	28.42	2.25	4	102	0.126	SE
B3	20190729	Sunny	Moderate	Mid-Ebb	B	3.4	9:07	9.23	8.22	20.8	28.47	2.31	5	102	0.149	S
B3	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:08	9.91	7.92	20.7	28.44	2.57	4	101	0.25	E
B3	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:08	8.96	7.82	21.2	28.37	2.58	3	102	0.244	SE
B4	20190729	Sunny	Moderate	Mid-Ebb	B	3.1	9:18	9.15	8.31	20.7	28.49	1.82	2	101	0.154	E
B4	20190729	Sunny	Moderate	Mid-Ebb	B	3.1	9:18	9.89	7.91	21.3	28.38	2.27	3	102	0.202	SE
B4	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:19	9.32	8.23	21	28.45	2.09	3	101	0.088	E
B4	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:19	9.74	8.04	21.3	28.44	2.15	<2	101	0.083	S
C1A	20190729	Sunny	Moderate	Mid-Ebb	B	9.9	8:21	7.67	8.09	21.7	28.58	2.44	3	101	0.182	SE

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
C1A	20190729	Sunny	Moderate	Mid-Ebb	B	9.9	8:21	7.59	8.09	22.1	28.52	2.45	3	101	0.078	SE
C1A	20190729	Sunny	Moderate	Mid-Ebb	M	5.5	8:22	7.23	7.91	22.3	28.63	3.09	4	101	0.194	SE
C1A	20190729	Sunny	Moderate	Mid-Ebb	M	5.5	8:22	7.84	7.73	21.4	28.5	2.92	4	101	0.239	SE
C1A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:23	6.93	7.79	22	28.6	2.97	4	101	0.187	SE
C1A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:23	7.79	7.99	21.3	28.62	3.07	4	101	0.135	E
C2A	20190729	Sunny	Moderate	Mid-Ebb	B	10.3	8:32	9.35	7.7	20.8	28.43	2.86	4	101	0.083	SE
C2A	20190729	Sunny	Moderate	Mid-Ebb	B	10.3	8:32	9.24	7.8	20.9	28.37	2.48	4	101	0.204	S
C2A	20190729	Sunny	Moderate	Mid-Ebb	M	5.7	8:33	9.71	7.81	20.5	28.4	2.75	4	101	0.223	S
C2A	20190729	Sunny	Moderate	Mid-Ebb	M	5.7	8:33	9.26	8.18	20.8	28.51	2.84	5	101	0.23	S
C2A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:34	9.52	7.98	21.3	28.49	3.21	3	101	0.099	S
C2A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:34	9.17	8.15	20.6	28.43	2.99	2	101	0.217	SE
F1A	20190729	Sunny	Moderate	Mid-Ebb	B	6.9	9:46	9.83	7.94	21.1	28.43	2.32	5	102	0.107	SE
F1A	20190729	Sunny	Moderate	Mid-Ebb	B	6.9	9:46	9.68	8.04	21.2	28.37	2.19	5	101	0.233	SE
F1A	20190729	Sunny	Moderate	Mid-Ebb	M	4.0	9:47	8.97	8.25	20.5	28.47	2.26	3	101	0.121	S
F1A	20190729	Sunny	Moderate	Mid-Ebb	M	4.0	9:47	9.84	7.83	20.5	28.44	2.21	3	101	0.155	E
F1A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:48	9.36	8.05	20.6	28.5	2.54	3	101	0.122	SE
F1A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:48	9.58	7.75	20.5	28.5	2.06	4	101	0.218	SE
H1	20190729	Sunny	Moderate	Mid-Ebb	B	7.8	8:49	9.66	7.99	20.6	28.47	1.9	5	101	0.175	E
H1	20190729	Sunny	Moderate	Mid-Ebb	B	7.8	8:49	9.91	8.21	21.2	28.49	1.87	4	102	0.18	S
H1	20190729	Sunny	Moderate	Mid-Ebb	M	4.4	8:50	9.76	8.18	21	28.51	1.91	4	100	0.167	S
H1	20190729	Sunny	Moderate	Mid-Ebb	M	4.4	8:50	8.85	8.12	21.3	28.48	2.26	4	101	0.108	SE
H1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:51	9.57	8	20.8	28.49	2.09	3	101	0.161	E
H1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:51	9.92	7.92	21.1	28.4	2.36	4	100	0.181	SE
M1	20190729	Sunny	Moderate	Mid-Ebb	B	8.0	10:19	9.25	8.14	21.3	28.39	2.31	3	104	0.086	SE
M1	20190729	Sunny	Moderate	Mid-Ebb	B	8.0	10:19	8.91	7.86	20.7	28.47	2.22	2	103	0.189	E
M1	20190729	Sunny	Moderate	Mid-Ebb	M	4.5	10:20	9.5	7.91	20.9	28.48	2.2	4	105	0.211	S
M1	20190729	Sunny	Moderate	Mid-Ebb	M	4.5	10:20	9.92	8.13	21	28.44	2.14	5	105	0.108	S
M1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	10:21	9.08	7.8	20.8	28.41	2.43	5	105	0.248	SE
M1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	10:21	9.66	8.05	21.3	28.37	2.17	5	104	0.138	SE

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
CR1	20190729	Sunny	Moderate	Mid-Ebb	B	11.3	9:58	6.98	7.62	21.2	28.61	2.7	5	104	0.172	S
CR1	20190729	Sunny	Moderate	Mid-Ebb	B	11.3	9:58	6.85	7.86	20.7	28.52	2.44	5	104	0.132	SE
CR1	20190729	Sunny	Moderate	Mid-Ebb	M	6.2	9:59	7.42	7.84	20.4	28.62	2.72	4	104	0.108	S
CR1	20190729	Sunny	Moderate	Mid-Ebb	M	6.2	9:59	6.93	8.11	22.1	28.62	2.67	4	104	0.154	E
CR1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	10:00	7.05	7.92	20.9	28.61	3.06	4	105	0.198	E
CR1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	10:00	7.65	7.7	20.6	28.6	2.68	4	105	0.173	SE
CR2	20190729	Sunny	Moderate	Mid-Ebb	B	9.8	9:34	7.89	7.63	20.7	28.61	2.65	4	105	0.115	SE
CR2	20190729	Sunny	Moderate	Mid-Ebb	B	9.8	9:34	7.04	7.77	20.5	28.62	2.95	5	104	0.108	SE
CR2	20190729	Sunny	Moderate	Mid-Ebb	M	5.4	9:35	7.55	8.22	20.6	28.63	2.73	3	104	0.179	SE
CR2	20190729	Sunny	Moderate	Mid-Ebb	M	5.4	9:35	7.35	7.91	22.1	28.61	3	4	105	0.188	S
CR2	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:36	7.18	8.24	20.6	28.54	2.95	4	105	0.242	E
CR2	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:36	7.19	7.86	20.6	28.64	3.24	3	105	0.15	SE
S1	20190729	Sunny	Moderate	Mid-Ebb	B	4.4	8:55	7.49	7.66	21.1	28.59	2.84	5	102	0.227	SE
S1	20190729	Sunny	Moderate	Mid-Ebb	B	4.4	8:55	7.25	8.03	22.4	28.62	2.49	4	102	0.095	SE
S1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:56	7.76	8.15	20.2	28.59	3.09	5	101	0.128	E
S1	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	8:56	6.89	8.16	22.4	28.59	2.95	6	101	0.086	S
S2A	20190729	Sunny	Moderate	Mid-Ebb	B	7.8	9:20	7.48	7.84	20.9	28.54	2.84	4	102	0.133	SE
S2A	20190729	Sunny	Moderate	Mid-Ebb	B	7.8	9:20	7.73	7.97	22.1	28.54	2.45	2	105	0.117	SE
S2A	20190729	Sunny	Moderate	Mid-Ebb	M	4.4	9:21	7.68	7.91	21	28.56	2.77	4	102	0.228	SE
S2A	20190729	Sunny	Moderate	Mid-Ebb	M	4.4	9:21	7.43	8.16	21.2	28.61	2.62	3	102	0.234	SE
S2A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:22	7.49	7.86	20.3	28.6	2.67	3	102	0.246	SE
S2A	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:22	7.1	7.89	22.1	28.51	2.84	2	102	0.191	S
S3	20190729	Sunny	Moderate	Mid-Ebb	B	9.7	9:44	7.37	8.19	21.5	28.58	2.82	4	105	0.104	E
S3	20190729	Sunny	Moderate	Mid-Ebb	B	9.7	9:44	7.79	8.04	22.3	28.64	2.7	5	105	0.23	S
S3	20190729	Sunny	Moderate	Mid-Ebb	M	5.4	9:45	7.83	7.74	21.7	28.54	3.08	5	104	0.166	S
S3	20190729	Sunny	Moderate	Mid-Ebb	M	5.4	9:45	7.01	7.7	21.7	28.58	2.89	5	104	0.134	S
S3	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:46	7.36	8	22.4	28.52	3.23	5	106	0.108	S
S3	20190729	Sunny	Moderate	Mid-Ebb	S	1.0	9:46	7.13	7.75	20.3	28.52	2.82	4	105	0.251	S
B1	20190729	Sunny	Moderate	Mid-Flood	B	4.5	14:45	7.64	8.14	21.5	29.25	2.37	7	100	0.29	W

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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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
B1	20190729	Sunny	Moderate	Mid-Flood	B	4.5	14:45	7.47	7.88	21.6	29.19	2.7	6	101	0.237	W
B1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:46	7.2	8.07	21.4	29.17	2.78	5	102	0.233	W
B1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:46	7.61	7.89	21.4	29.11	2.9	5	101	0.158	W
B2	20190729	Sunny	Moderate	Mid-Flood	B	3.8	15:04	6.94	7.94	21.8	29.14	2.37	6	100	0.219	W
B2	20190729	Sunny	Moderate	Mid-Flood	B	3.8	15:04	7.07	7.86	21.4	29.14	2.41	5	101	0.22	W
B2	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:05	7.51	7.98	22	29.19	3.23	4	101	0.188	W
B2	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:05	7.25	7.88	21.3	29.12	3.14	5	101	0.267	NW
B3	20190729	Sunny	Moderate	Mid-Flood	B	4.0	14:47	9.42	8.28	21.9	29.13	2.13	4	101	0.14	NW
B3	20190729	Sunny	Moderate	Mid-Flood	B	4.0	14:47	9.03	7.96	21.6	29.15	1.88	3	101	0.244	NW
B3	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:48	9.7	8.2	22.6	29.14	2.52	5	102	0.141	W
B3	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:48	9.04	8.31	22.3	29.06	2.45	4	101	0.237	NW
B4	20190729	Sunny	Moderate	Mid-Flood	B	4.3	14:57	9.38	8.05	22.6	29.03	1.62	4	100	0.27	SW
B4	20190729	Sunny	Moderate	Mid-Flood	B	4.3	14:57	9.8	8.08	22.8	28.99	2.07	5	100	0.162	NW
B4	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:58	9.26	7.99	21.8	29.12	2.03	3	101	0.178	W
B4	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:58	9.49	7.89	23.4	29.15	2.15	4	101	0.173	W
C1A	20190729	Sunny	Moderate	Mid-Flood	B	9.9	14:16	7.59	8.12	21.8	29.2	2.82	3	101	0.216	SW
C1A	20190729	Sunny	Moderate	Mid-Flood	B	9.9	14:16	7.56	7.98	21.7	29.17	2.36	4	101	0.242	SW
C1A	20190729	Sunny	Moderate	Mid-Flood	M	5.5	14:17	7.26	7.88	22	29.13	2.6	4	101	0.194	W
C1A	20190729	Sunny	Moderate	Mid-Flood	M	5.5	14:17	7.56	8.05	21.3	29.1	2.95	4	102	0.126	SW
C1A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:18	6.99	7.89	21.8	29.18	3.11	3	101	0.195	W
C1A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:18	7.46	7.93	21.8	29.23	2.86	3	101	0.217	NW
C2A	20190729	Sunny	Moderate	Mid-Flood	B	10.3	14:16	9.75	7.93	23.2	29.04	2.08	3	102	0.164	W
C2A	20190729	Sunny	Moderate	Mid-Flood	B	10.3	14:16	9.75	7.98	23.4	29.11	1.76	4	101	0.239	NW
C2A	20190729	Sunny	Moderate	Mid-Flood	M	5.7	14:17	9.72	7.97	22.9	29.08	2.07	3	102	0.256	W
C2A	20190729	Sunny	Moderate	Mid-Flood	M	5.7	14:17	8.98	8.05	21.5	29.04	1.97	3	101	0.238	NW
C2A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:18	9.49	8.04	21.5	29.1	2.53	4	101	0.251	SW
C2A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:18	9.1	8.11	22	28.99	2.18	3	100	0.292	NW
F1A	20190729	Sunny	Moderate	Mid-Flood	B	6.8	15:22	9.4	7.94	22.7	29.04	2.06	3	102	0.237	NW
F1A	20190729	Sunny	Moderate	Mid-Flood	B	6.8	15:22	9.56	7.96	21.9	29.07	1.82	4	101	0.125	W

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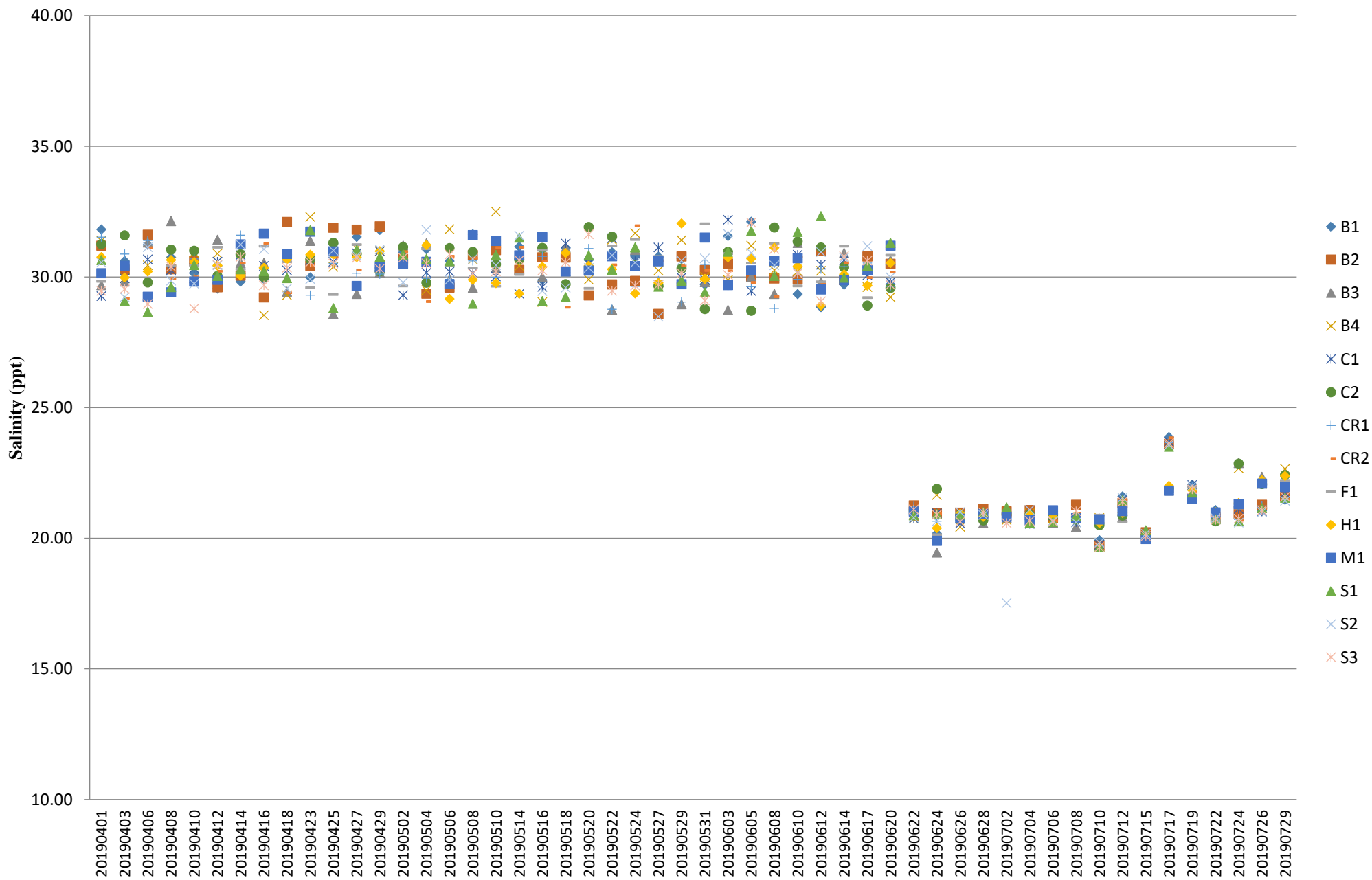
Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level note 1	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU) note 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
F1A	20190729	Sunny	Moderate	Mid-Flood	M	3.9	15:23	8.93	8.28	21.9	29.06	2.4	4	100	0.266	SW
F1A	20190729	Sunny	Moderate	Mid-Flood	M	3.9	15:23	9.58	8.24	22.4	28.99	1.85	4	100	0.251	W
F1A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:24	9.09	7.98	22.7	29.08	2.12	3	101	0.25	SW
F1A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:24	8.94	8.22	21.7	29.09	1.99	<2	101	0.229	W
H1	20190729	Sunny	Moderate	Mid-Flood	B	6.9	14:33	9.46	7.9	21.9	29.14	1.81	2	101	0.279	SW
H1	20190729	Sunny	Moderate	Mid-Flood	B	6.9	14:33	9.71	8.16	21.8	29.08	1.72	3	101	0.277	NW
H1	20190729	Sunny	Moderate	Mid-Flood	M	4.0	14:34	8.97	8.09	22.4	29.13	2.01	3	101	0.29	W
H1	20190729	Sunny	Moderate	Mid-Flood	M	4.0	14:34	9.27	8.24	23.4	29.08	2.33	2	101	0.196	W
H1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:35	9.43	8.02	22.2	29	2.02	6	100	0.192	W
H1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:35	9.74	7.99	22.6	29.12	1.98	5	102	0.147	SW
M1	20190729	Sunny	Moderate	Mid-Flood	B	7.5	15:52	9	8.01	21.6	29.05	2.18	5	101	0.164	SW
M1	20190729	Sunny	Moderate	Mid-Flood	B	7.5	15:52	9.04	8.32	22.5	29.08	1.74	6	101	0.18	W
M1	20190729	Sunny	Moderate	Mid-Flood	M	4.3	15:53	9.24	8.27	21.7	29.12	1.97	3	101	0.291	SW
M1	20190729	Sunny	Moderate	Mid-Flood	M	4.3	15:53	9.85	7.85	21.4	29	2.42	3	101	0.179	W
M1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:54	9.26	7.87	22.2	29.11	2.31	3	101	0.219	W
M1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:54	9.22	8.19	22.3	29.14	2.28	2	102	0.235	W
CR1	20190729	Sunny	Moderate	Mid-Flood	B	11.9	15:57	7.48	7.92	21.2	29.17	2.66	3	101	0.167	W
CR1	20190729	Sunny	Moderate	Mid-Flood	B	11.9	15:57	7.69	7.86	21.9	29.26	2.51	4	101	0.194	SW
CR1	20190729	Sunny	Moderate	Mid-Flood	M	6.5	15:58	7.42	7.95	21.8	29.13	2.88	5	101	0.269	W
CR1	20190729	Sunny	Moderate	Mid-Flood	M	6.5	15:58	7.02	8	21.4	29.17	2.86	5	101	0.183	NW
CR1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:59	6.85	8.1	21.3	29.12	2.94	4	101	0.123	W
CR1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:59	6.97	7.88	21.3	29.23	3.16	4	101	0.193	SW
CR2	20190729	Sunny	Moderate	Mid-Flood	B	10.6	15:33	6.86	7.88	21.4	29.23	2.57	4	102	0.263	SW
CR2	20190729	Sunny	Moderate	Mid-Flood	B	10.6	15:33	7.5	7.86	21.2	29.26	2.4	2	102	0.282	W
CR2	20190729	Sunny	Moderate	Mid-Flood	M	5.8	15:34	7.25	7.95	22	29.1	2.98	3	102	0.148	NW
CR2	20190729	Sunny	Moderate	Mid-Flood	M	5.8	15:34	6.88	7.97	21.3	29.21	2.55	3	102	0.257	NW
CR2	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:35	7.23	8.07	21.8	29.16	3.19	3	101	0.183	W
CR2	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:35	7.29	8.06	21.2	29.17	3.11	3	102	0.224	W
S1	20190729	Sunny	Moderate	Mid-Flood	B	4.4	14:54	7.62	7.86	21.7	29.18	2.55	3	101	0.161	W



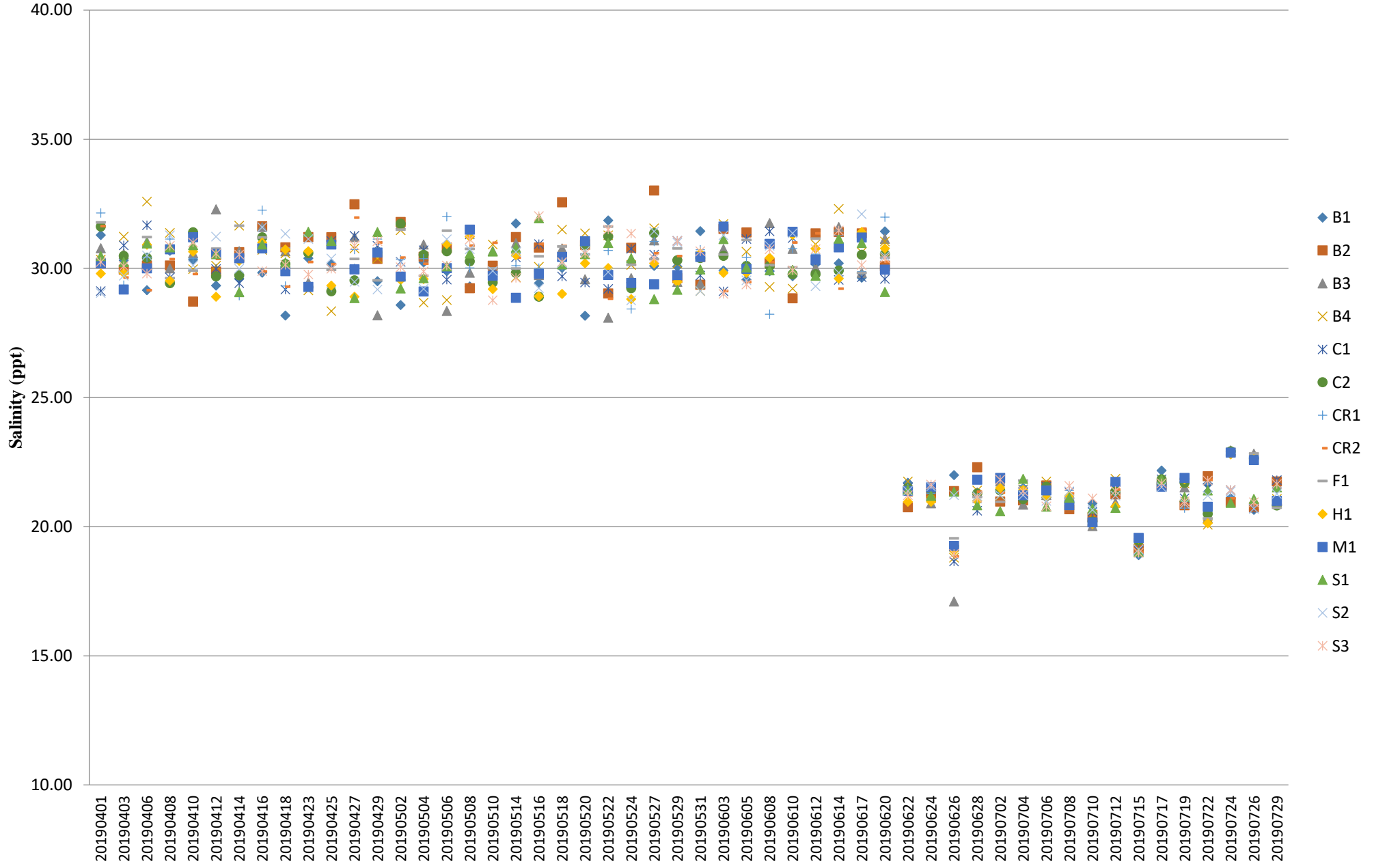
Contract No. EP/SP/66/12  
 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

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 2	SS (mg/L)	Total Alkalinity (mg/L)	Current Velocity (m/s)	Direction in NESW
S1	20190729	Sunny	Moderate	Mid-Flood	B	4.4	14:54	7.09	8.14	21.9	29.27	2.86	3	100	0.278	W
S1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:55	7.48	7.97	21.2	29.14	2.99	3	101	0.191	NW
S1	20190729	Sunny	Moderate	Mid-Flood	S	1.0	14:55	6.98	7.97	21.4	29.21	3.11	4	101	0.279	W
S2A	20190729	Sunny	Moderate	Mid-Flood	B	8.5	15:19	7.46	7.99	21.4	29.12	2.8	4	101	0.239	NW
S2A	20190729	Sunny	Moderate	Mid-Flood	B	8.5	15:19	7.23	7.91	21.3	29.17	2.59	3	100	0.276	W
S2A	20190729	Sunny	Moderate	Mid-Flood	M	4.8	15:20	7.46	7.99	21.3	29.22	2.84	2	101	0.197	W
S2A	20190729	Sunny	Moderate	Mid-Flood	M	4.8	15:20	7.41	7.93	21.7	29.13	2.57	3	101	0.224	W
S2A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:21	6.96	8.12	21.2	29.1	2.81	3	100	0.256	SW
S2A	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:21	7.23	8.07	21.7	29.14	3.04	3	100	0.131	SW
S3	20190729	Sunny	Moderate	Mid-Flood	B	8.3	15:43	7.43	7.96	21.5	29.26	2.43	4	102	0.26	NW
S3	20190729	Sunny	Moderate	Mid-Flood	B	8.3	15:43	7.58	8.06	21.9	29.19	2.77	5	102	0.22	W
S3	20190729	Sunny	Moderate	Mid-Flood	M	4.7	15:44	7.07	7.91	21.4	29.16	2.89	3	102	0.216	W
S3	20190729	Sunny	Moderate	Mid-Flood	M	4.7	15:44	7.07	8.07	21.3	29.26	2.68	4	102	0.232	W
S3	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:45	7.51	7.9	21.7	29.11	2.77	3	102	0.188	SW
S3	20190729	Sunny	Moderate	Mid-Flood	S	1.0	15:45	7.04	8.01	21.7	29.26	2.81	2	102	0.183	W
Remarks:																
Note 1: S - Surface		M - Middle		B - Bottom												
Note 2: Measurements of turbidity would be rounding to 0.1 NTU for proven accuracy as per the equipment specs during utilization of data.																
Note 3: No experimental result due to container's leakage.																

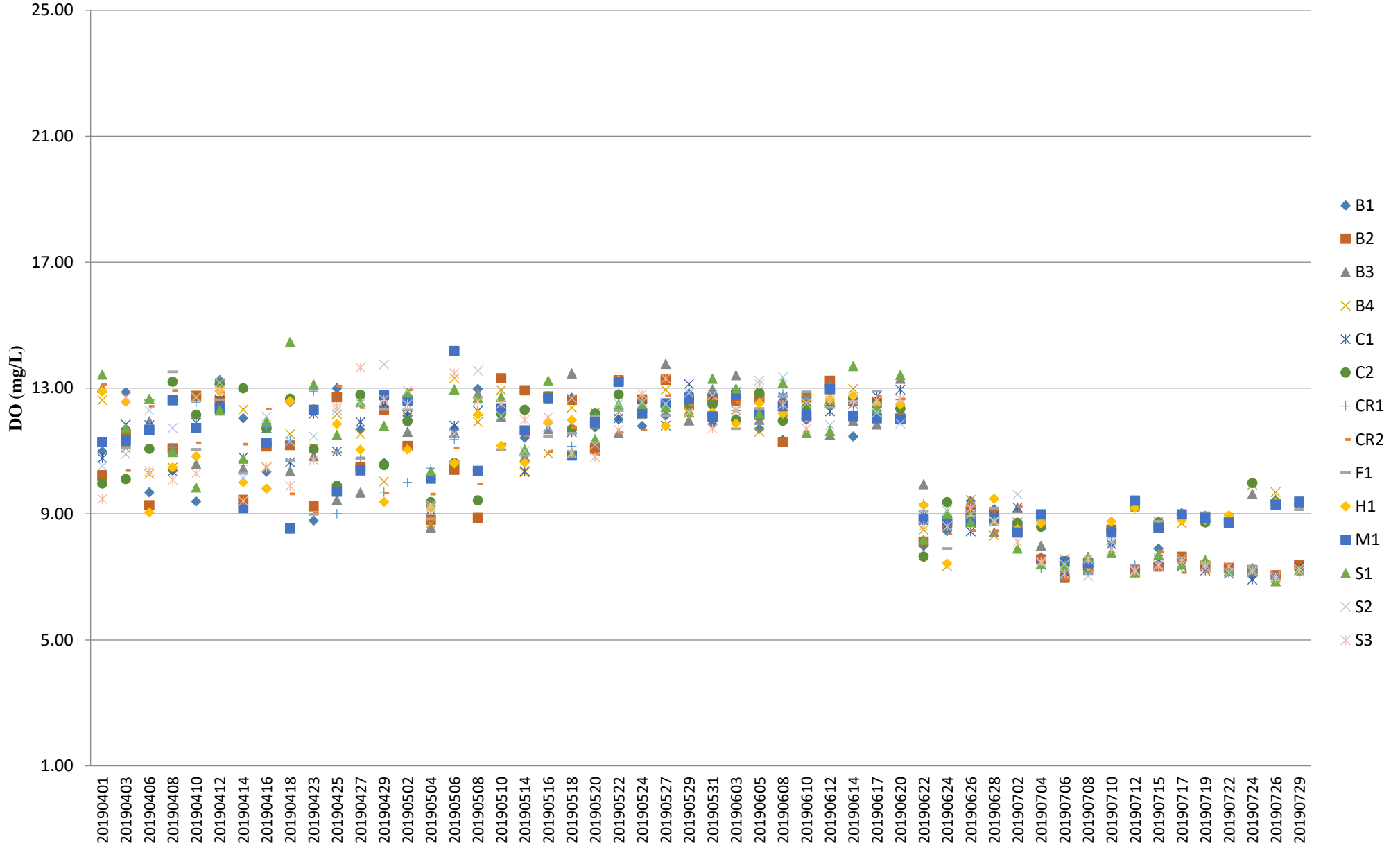
# Salinity (Depth-averaged) during MID-FLOOD



# Salinity (Depth-averaged) during MID-EBB

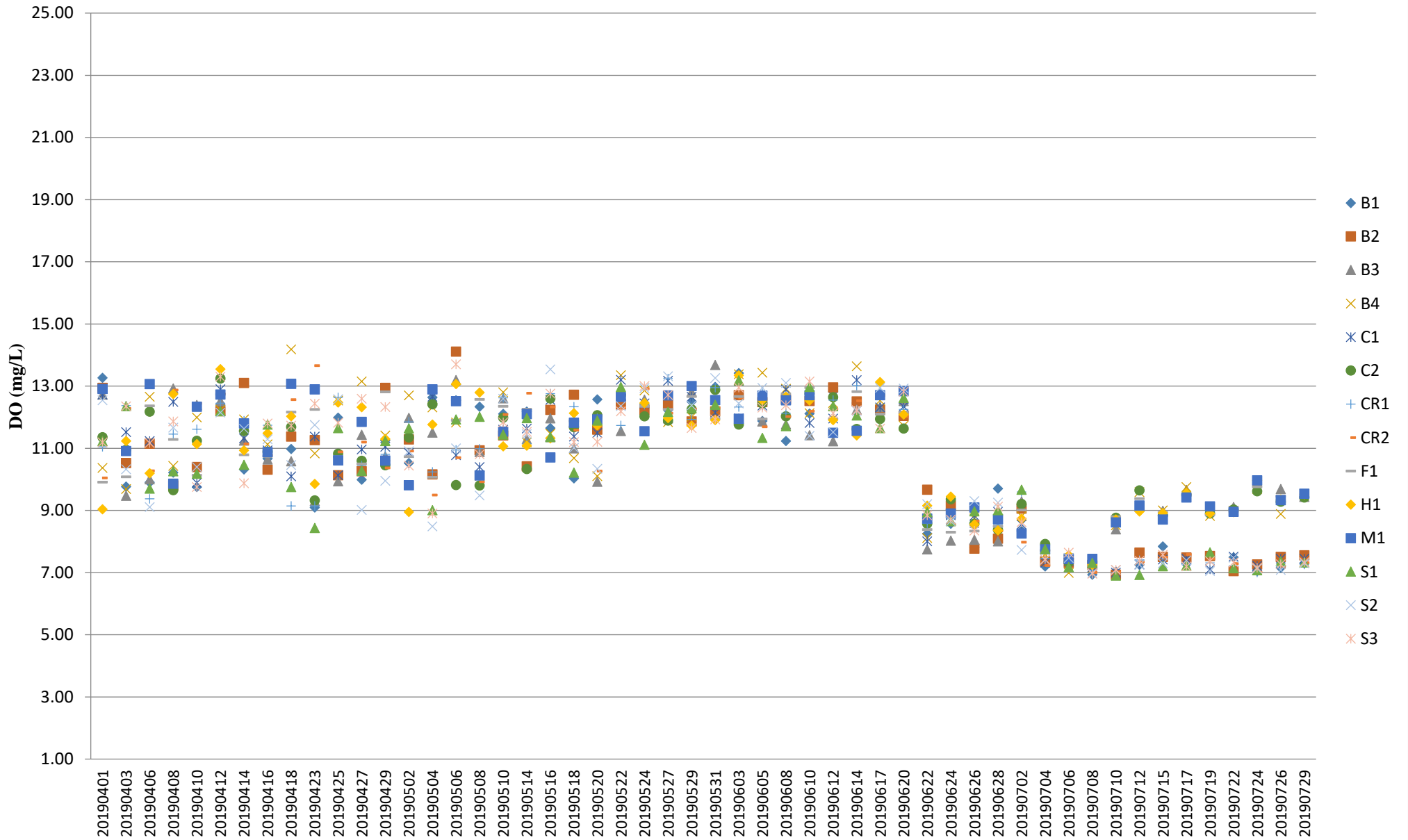


## Dissolved Oxygen (Surface & Middle) during MID-FLOOD



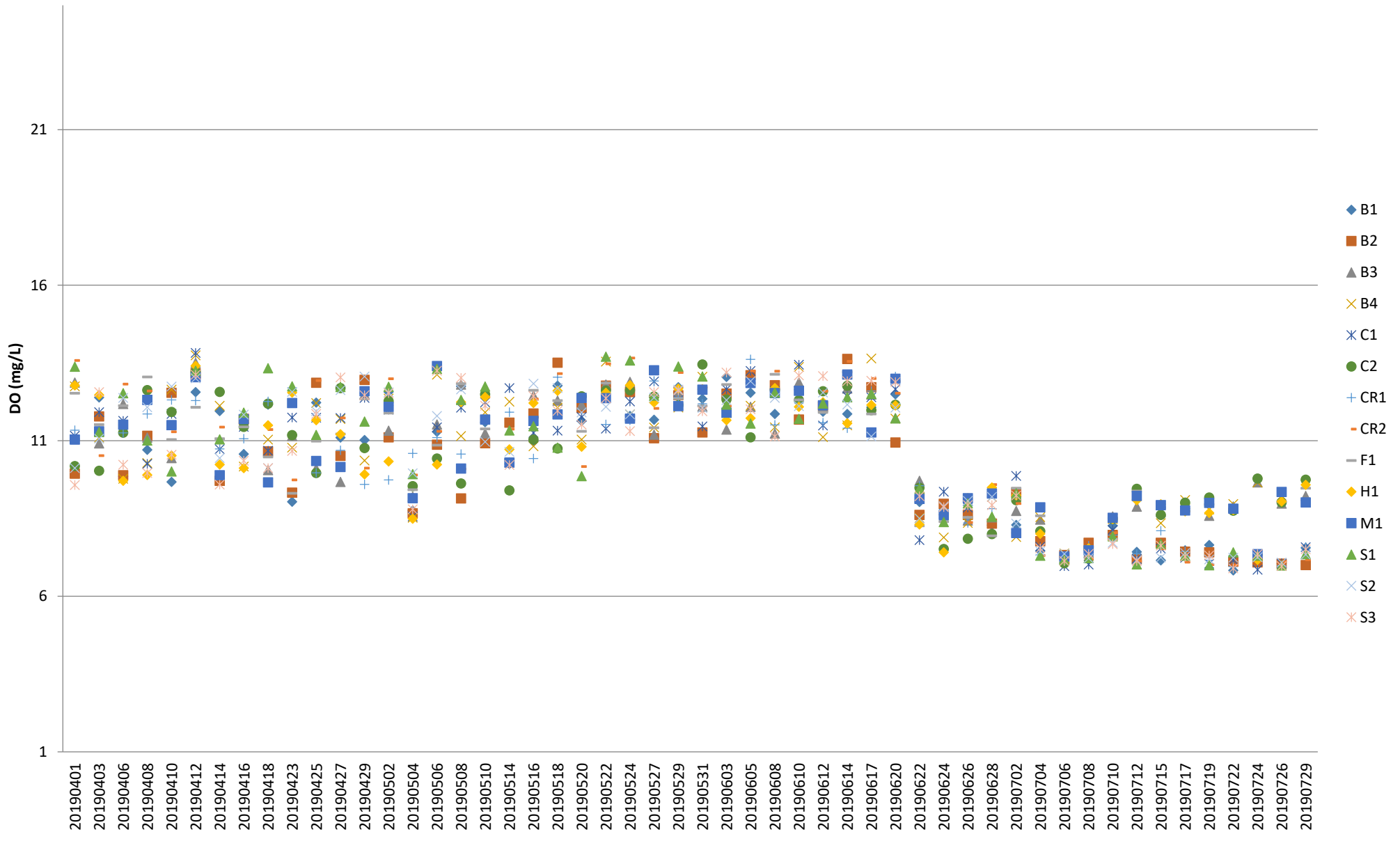
Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.8** of the monthly EM&A report.

## Dissolved Oxygen (Surface & Middle) during MID-EBB



Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.8** of the monthly EM&A report.

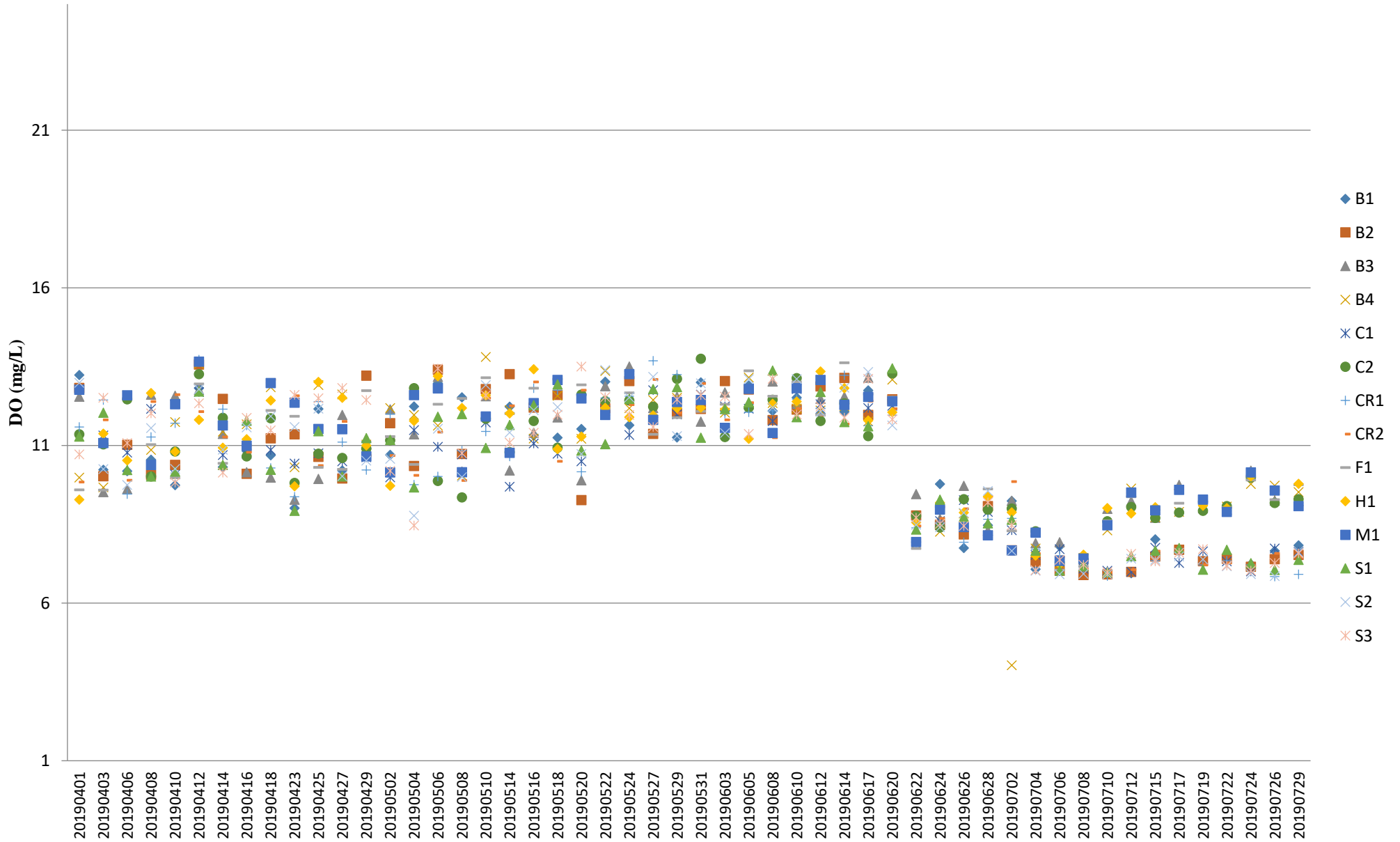
## Dissolved Oxygen (Bottom) during MID-FLOOD



Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.8** of the monthly EM&A report.

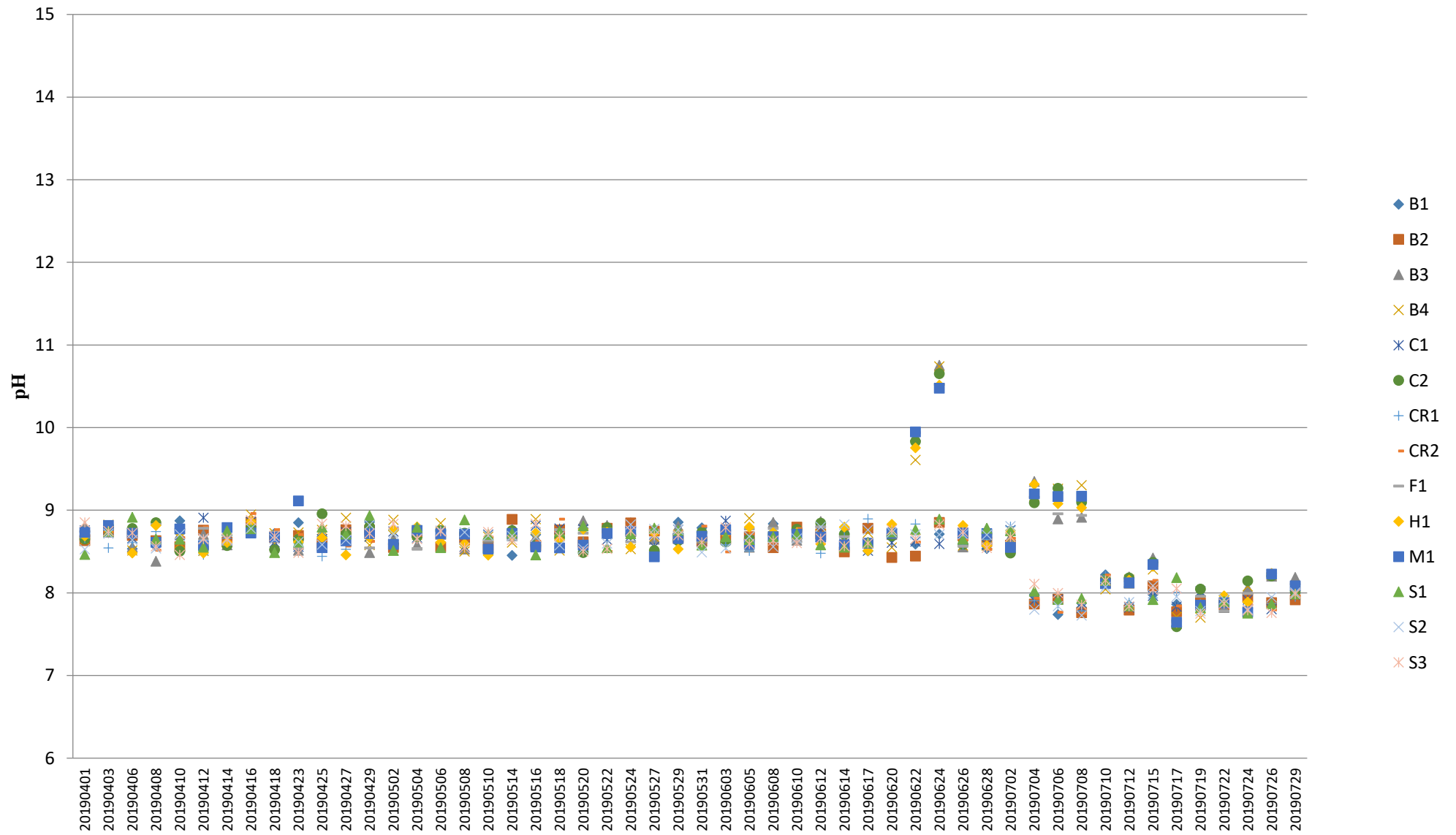


## Dissolved Oxygen (Bottom) during MID-EBB

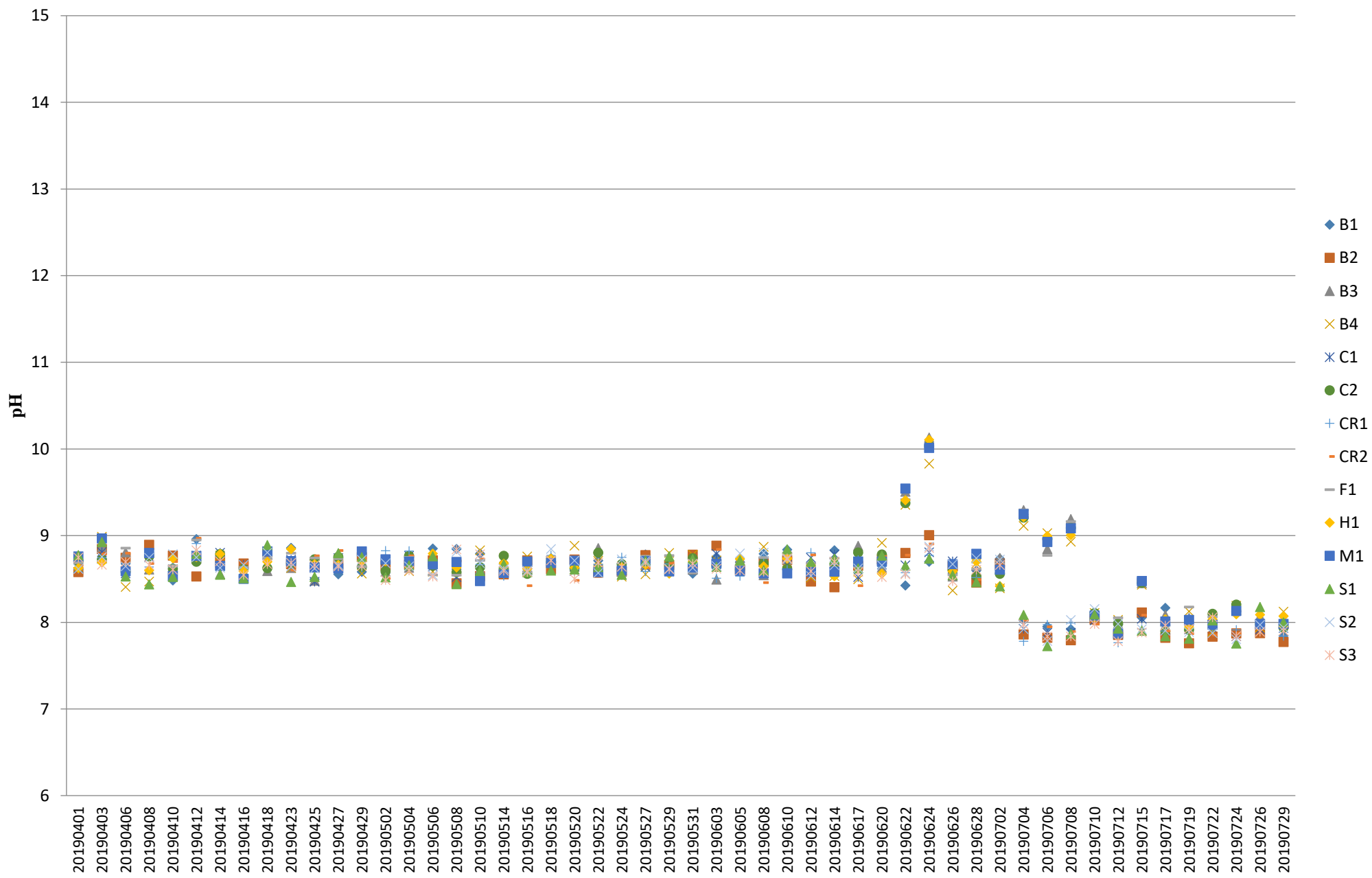


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** and **Table 2.8** of the monthly EM&A report.

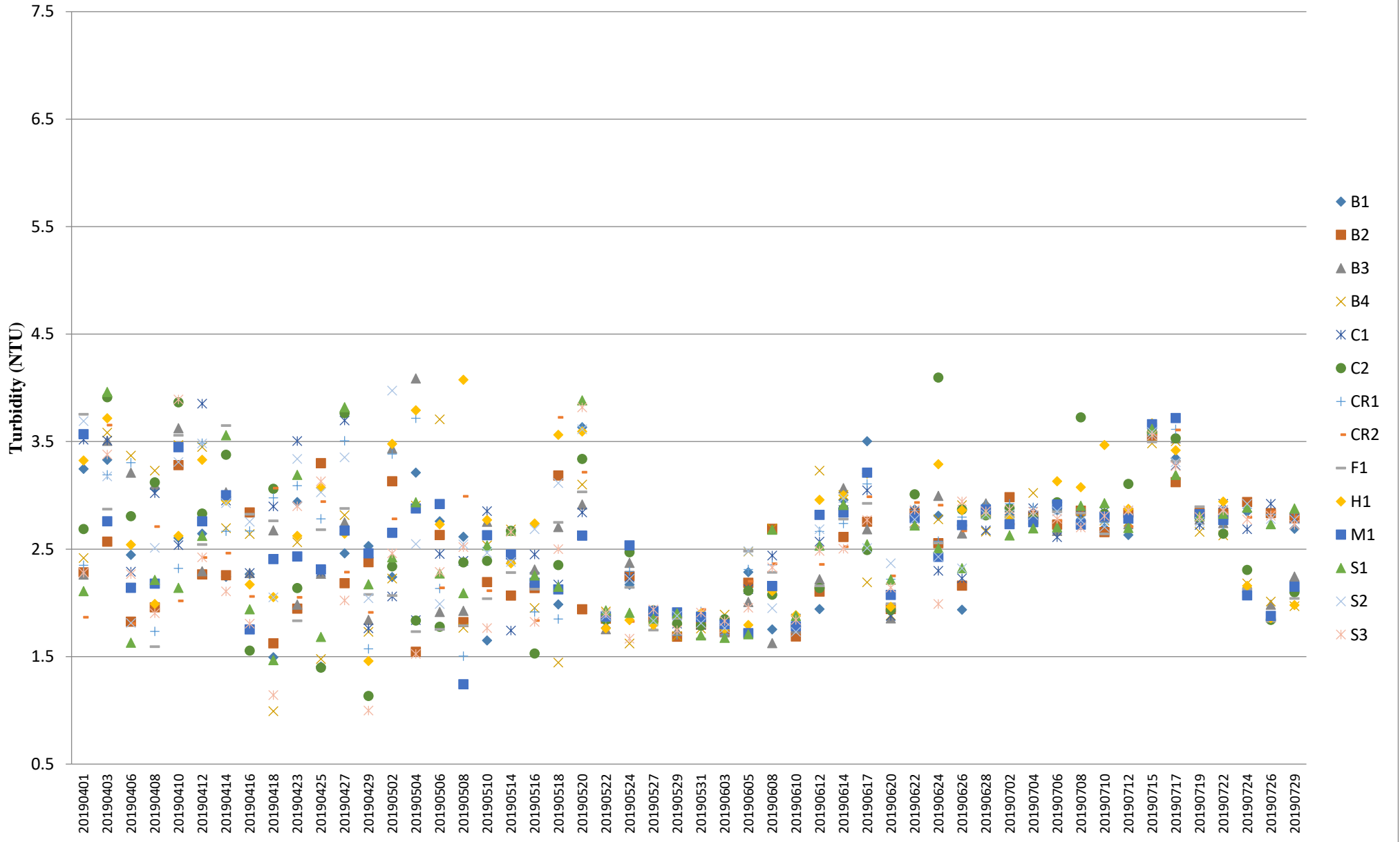
# pH (Depth-averaged) during MID-FLOOD



# pH (Depth-averaged) MID-EBB

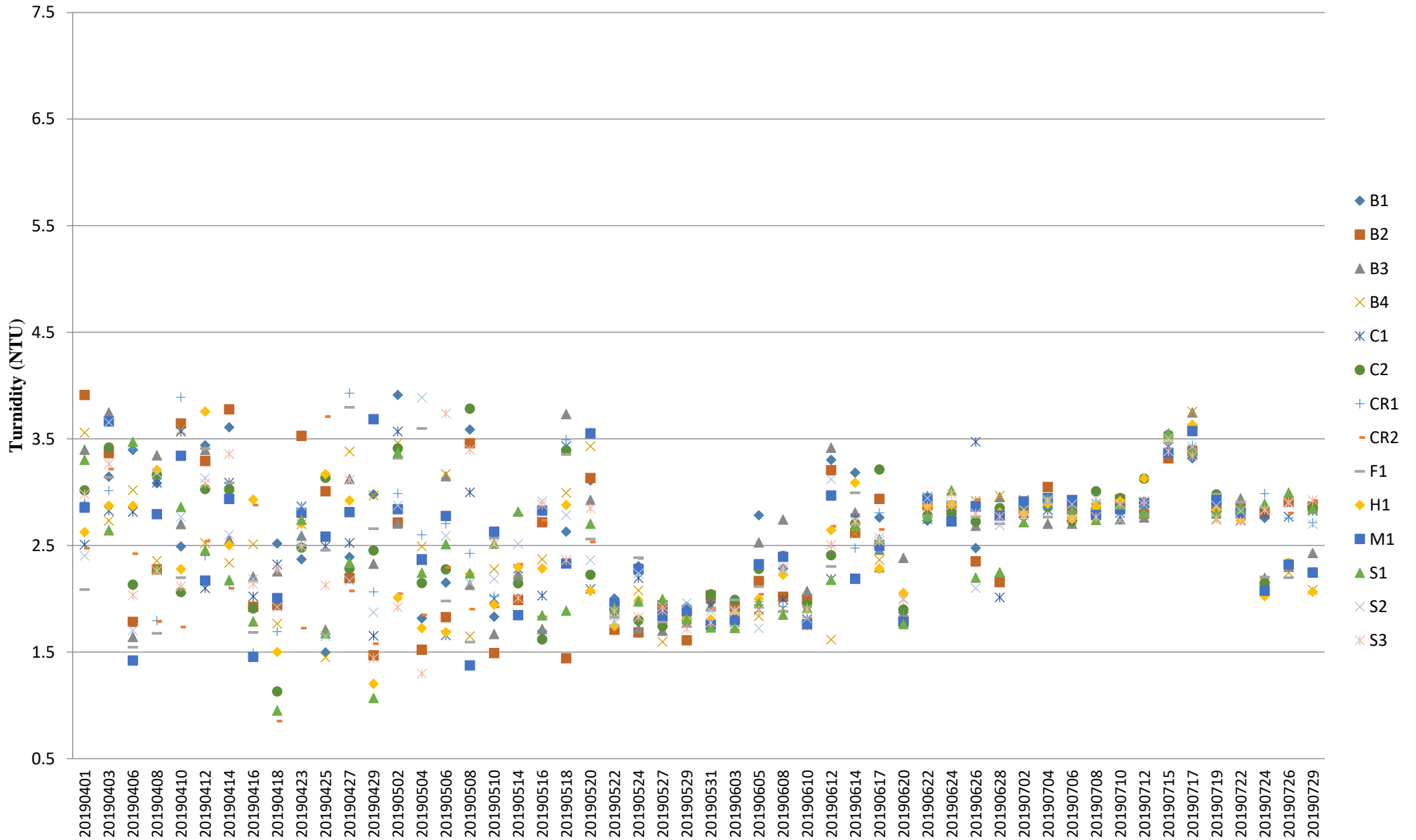


## Turbidity (Depth-averaged) during MID-FLOOD



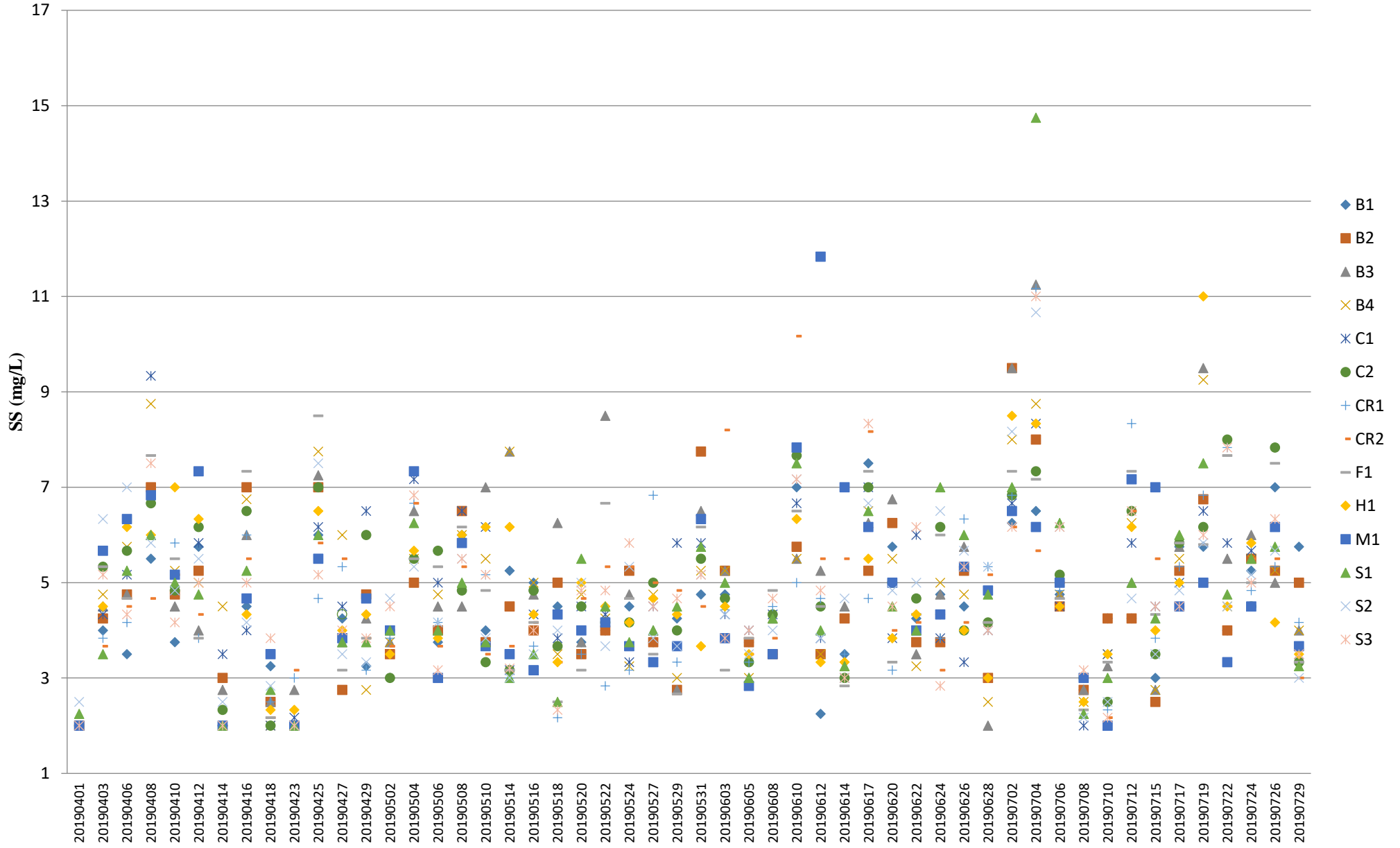
Note: The Action and Limit Level of turbidity can be referred to **Table 2.8** of the monthly EM&A report.

## Turbidity (Depth-averaged) during MID-EBB



Note: The Action and Limit Level of turbidity can be referred to **Table 2.8** of the monthly EM&A report.

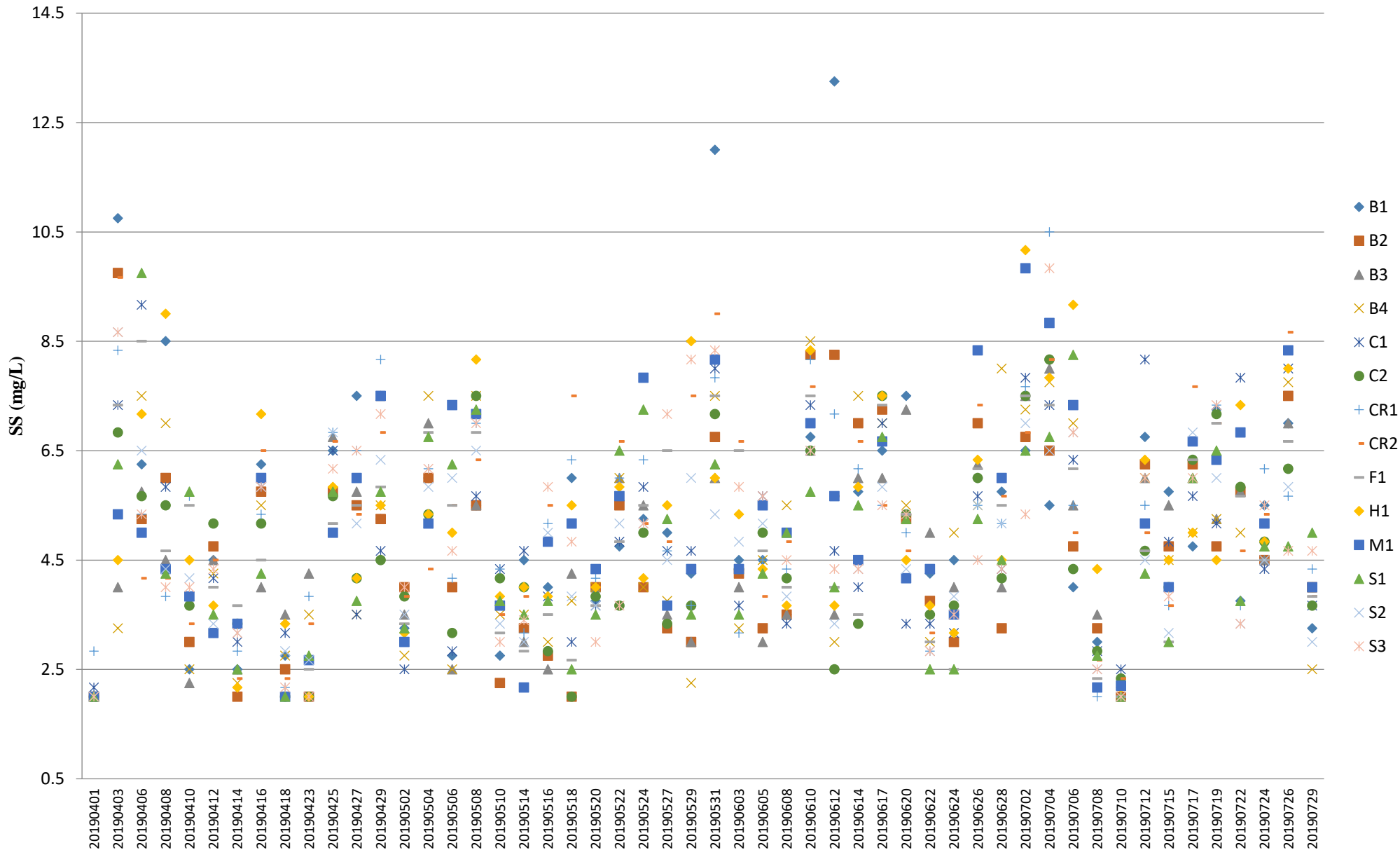
## Suspended Solids (Depth-averaged) during MID-FLOOD



Note: The Action and Limit Level of suspended solids can be referred to **Table 2.8** of the monthly EM&A report.

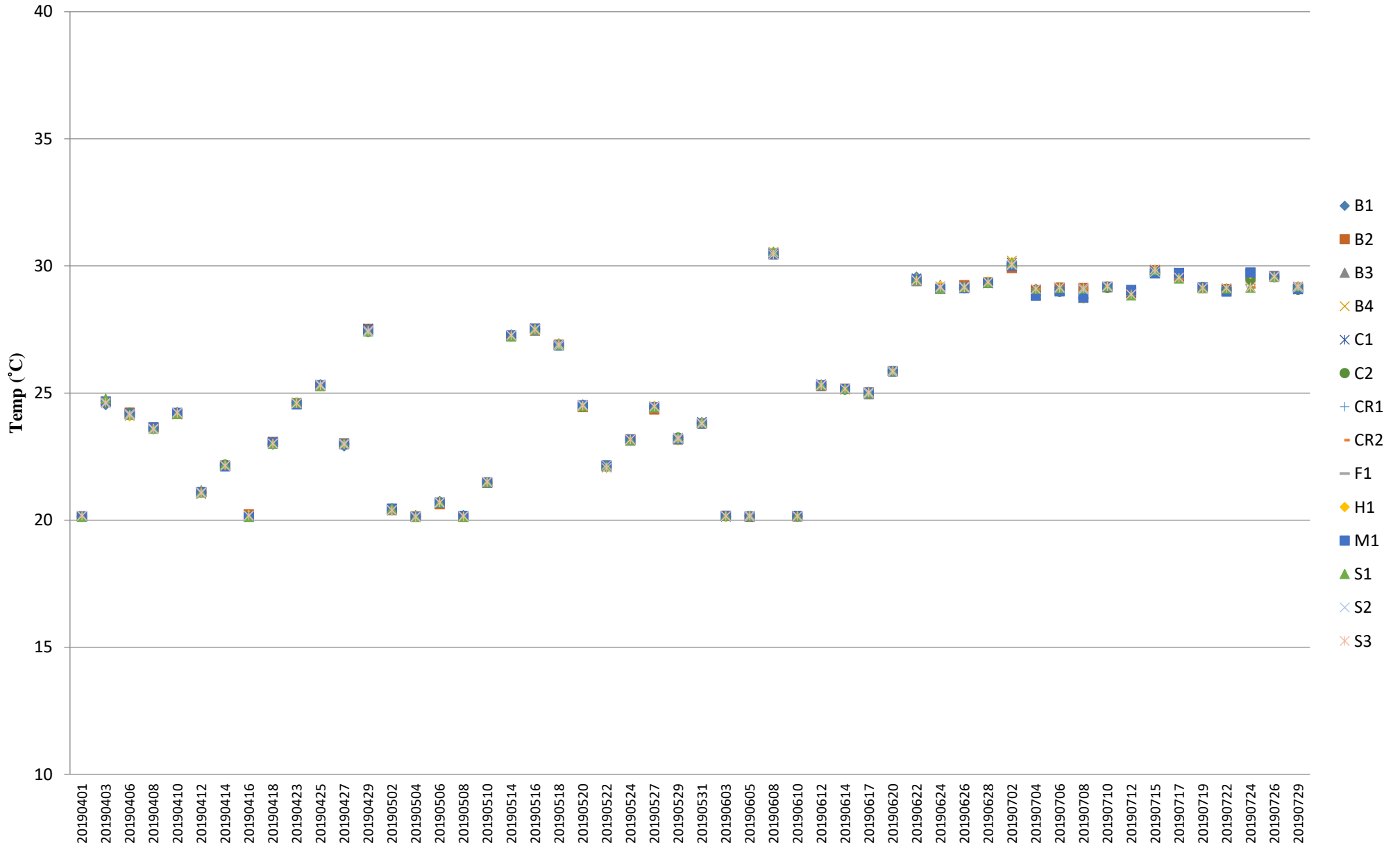


## Suspended Solids (Depth-averaged) during MID-EBB



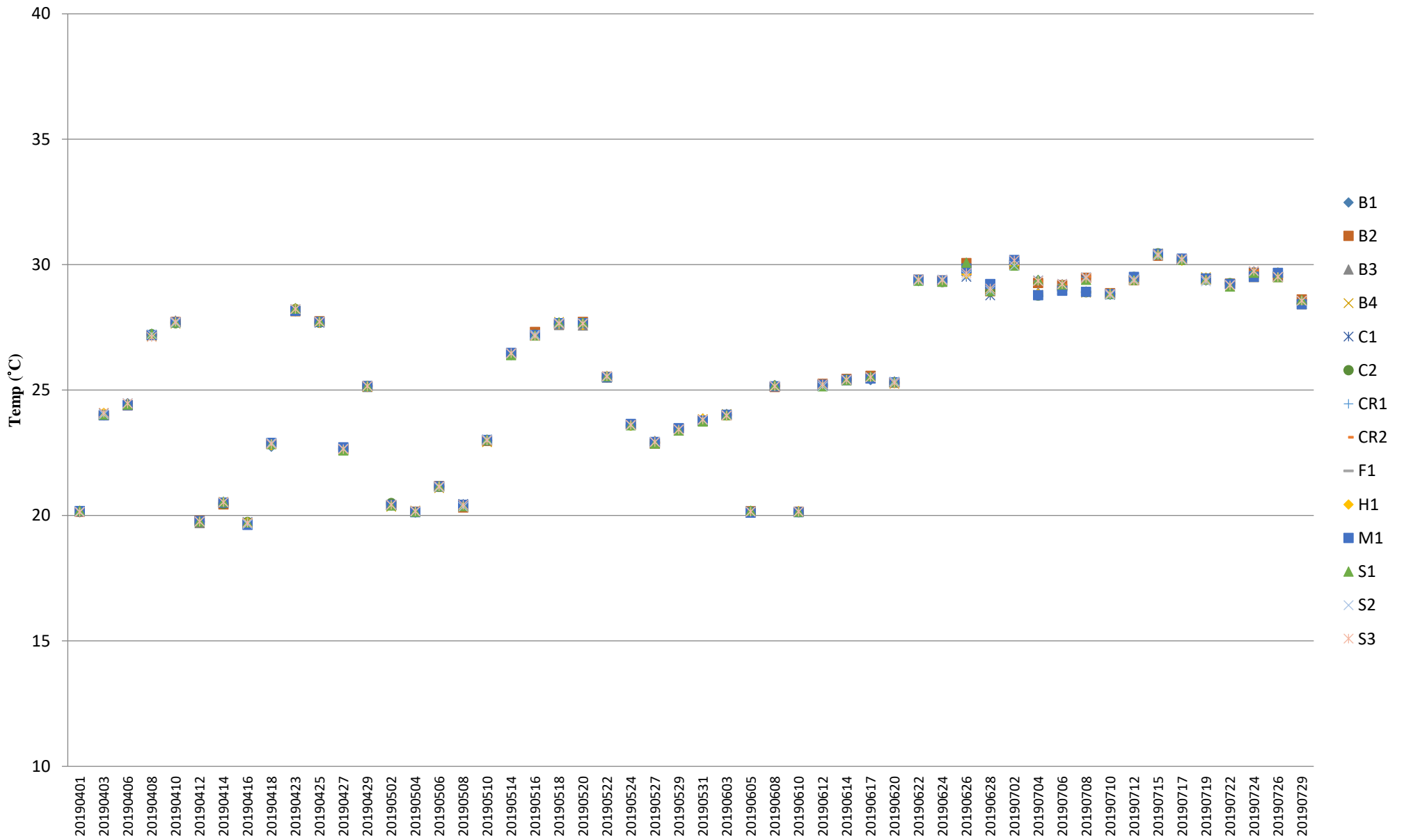
Note: The Action and Limit Level of suspended solids can be referred to **Table 2.8** of the monthly EM&A report.

## Temperature (Depth-averaged) during MID-FLOOD



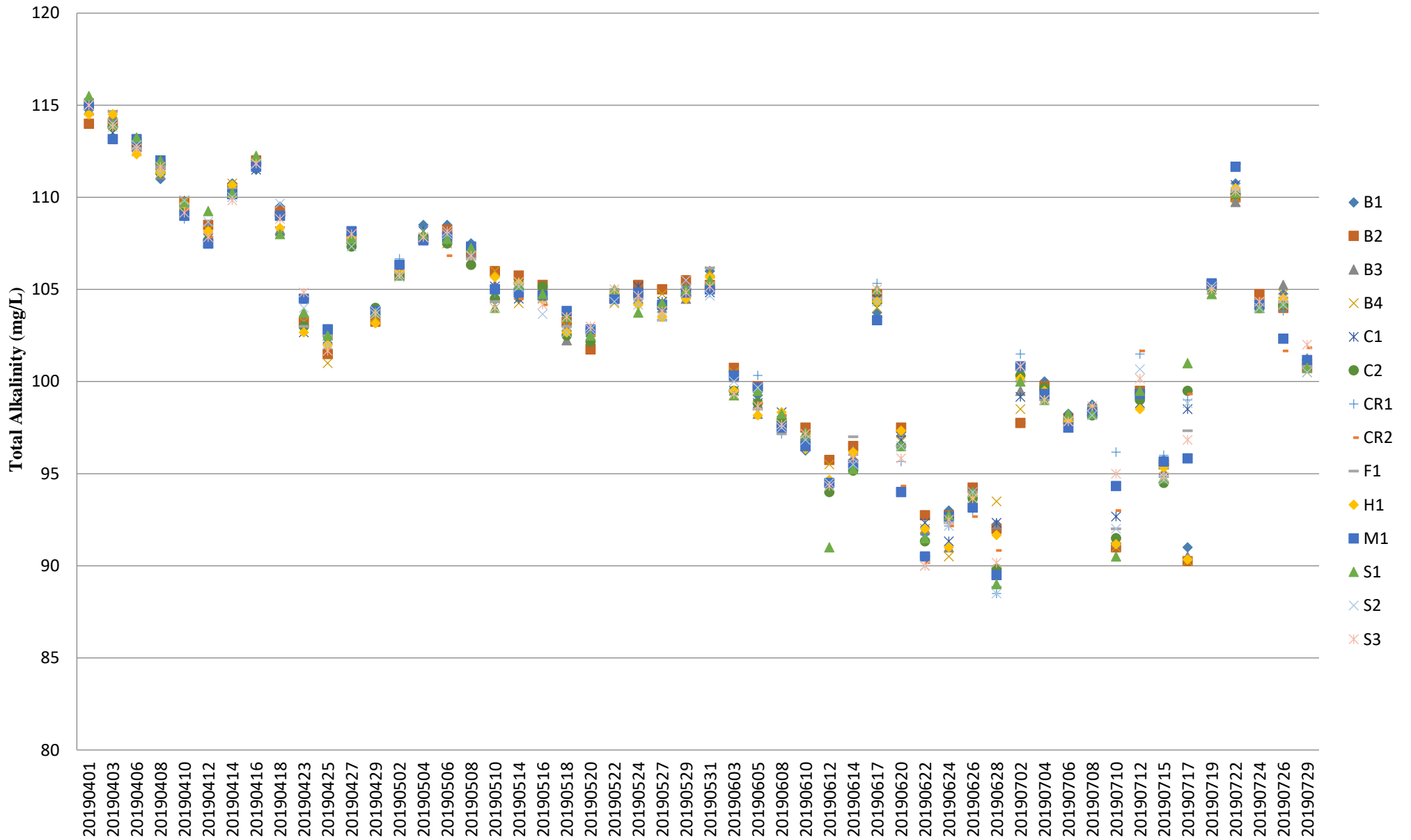
Note: The Action and Limit Level of temperature can be referred to **Table 2.8** of the monthly EM&A report.

## Temperature (Depth-averaged) during MID-EBB



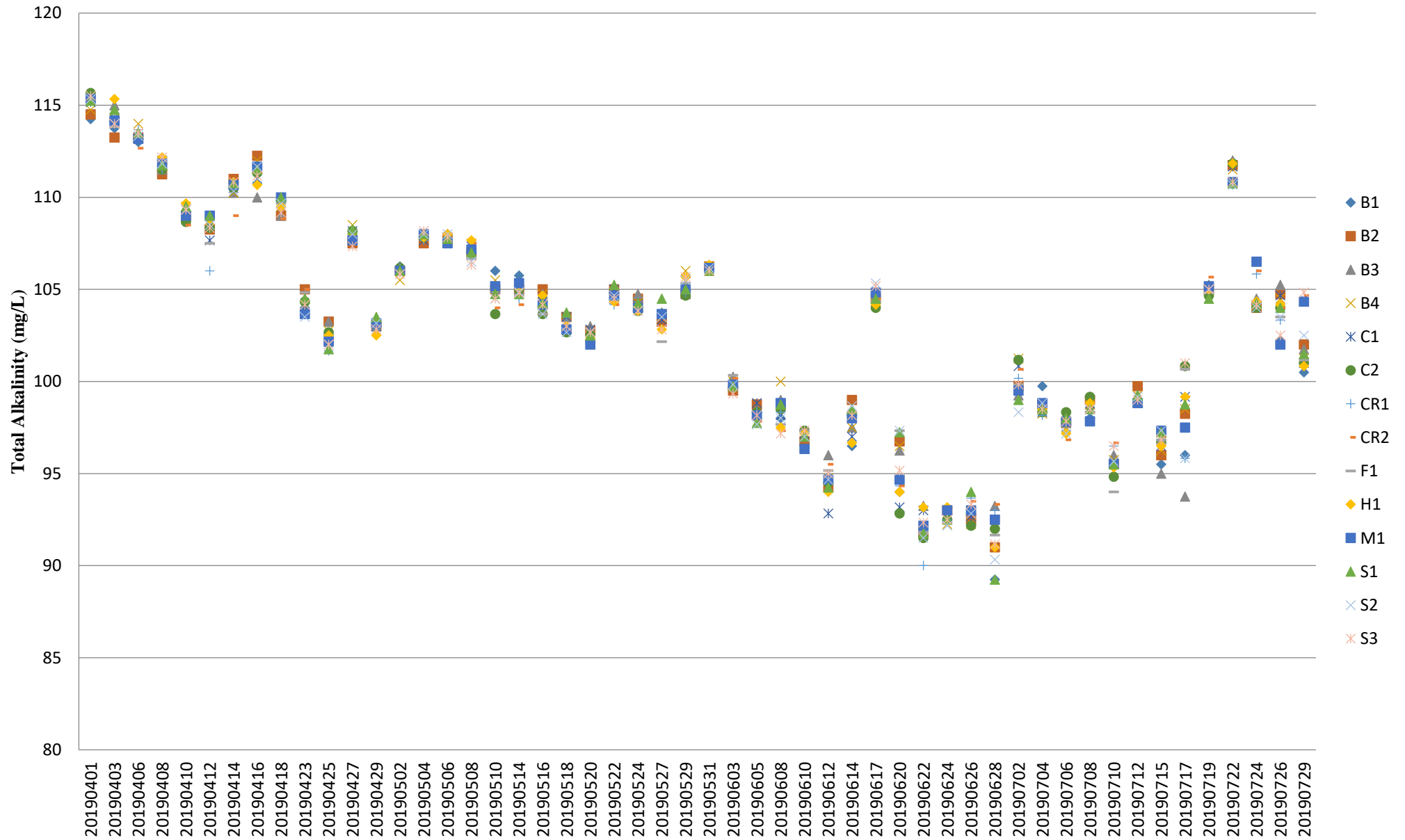
Note: The Action and Limit Level of temperature can be referred to **Table 2.8** of the monthly EM&A report.

## Total Alkalinity (Depth-averaged) during MID-FLOOD



Note: The Action and Limit Level of total alkalinity can be referred to **Table 2.8** of the monthly EM&A report.

## Total Alkalinity (Depth-averaged) during MID-EBB



Note: The Action and Limit Level of total alkalinity can be referred to **Table 2.8** of the monthly EM&A report.