

## 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	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	Direction in NESW
B1	20190502	Cloudy	Moderate	Mid-Ebb	B	4.8	10:39	10.49	8.78	28.58	20.3	3.74	3	106	0.223	E
B1	20190502	Cloudy	Moderate	Mid-Ebb	B	4.8	10:39	10.92	8.53	28.25	20.5	3.94	3	106	0.19	E
B1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:40	10.77	8.88	29.75	20.5	4.05	3	107	0.197	S
B1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:40	10.28	8.73	27.76	20.4	3.91	4	106	0.212	S
B2	20190502	Cloudy	Moderate	Mid-Ebb	B	4.4	11:01	11.83	9.04	32	20.5	2.72	4	106	0.183	S
B2	20190502	Cloudy	Moderate	Mid-Ebb	B	4.4	11:01	11.58	8.72	30.43	20.4	2.79	3	106	0.163	SE
B2	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:02	11.25	8.54	32.83	20.3	2.69	4	106	0.241	S
B2	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:02	11.32	8.32	31.92	20.5	2.66	5	106	0.194	S
B3	20190502	Cloudy	Moderate	Mid-Ebb	B	3.7	10:53	11.97	8.61	32.94	20.4	2.6	4	106	0.198	SE
B3	20190502	Cloudy	Moderate	Mid-Ebb	B	3.7	10:53	12.32	8.33	33.22	20.4	2.76	3	106	0.146	SE
B3	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:54	12.01	8.86	32.28	20.5	2.82	3	106	0.193	E
B3	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:54	11.95	8.54	28.43	20.4	2.64	4	107	0.185	E
B4	20190502	Cloudy	Moderate	Mid-Ebb	B	4.4	11:06	11.95	8.43	32.83	20.3	3.66	2	104	0.157	SE
B4	20190502	Cloudy	Moderate	Mid-Ebb	B	4.4	11:06	12.42	9	33.1	20.3	3.49	2	106	0.249	S
B4	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:07	12.74	8.53	27.48	20.4	3.37	3	106	0.252	SE
B4	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:07	12.66	8.62	32.51	20.4	3.32	4	106	0.196	E
C1A	20190502	Cloudy	Moderate	Mid-Ebb	B	9.4	10:13	9.96	8.66	29.8	20.5	3.67	<2	106	0.138	SE
C1A	20190502	Cloudy	Moderate	Mid-Ebb	B	9.4	10:13	10.02	8.43	31.58	20.4	3.51	<2	106	0.133	S
C1A	20190502	Cloudy	Moderate	Mid-Ebb	M	5.2	10:14	10.45	8.45	28.32	20.4	3.44	3	106	0.142	S
C1A	20190502	Cloudy	Moderate	Mid-Ebb	M	5.2	10:14	10.81	8.49	28.23	20.3	3.55	3	106	0.158	E
C1A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:15	11.15	8.87	32.84	20.4	3.55	2	106	0.191	SE
C1A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:15	10.97	8.81	30.78	20.5	3.68	3	106	0.141	S
C2A	20190502	Cloudy	Moderate	Mid-Ebb	B	7.6	10:15	10.95	8.43	32.87	20.5	3.31	4	106	0.162	E
C2A	20190502	Cloudy	Moderate	Mid-Ebb	B	7.6	10:15	11.37	8.59	32.82	20.5	3.46	4	106	0.185	SE
C2A	20190502	Cloudy	Moderate	Mid-Ebb	M	4.3	10:16	11.6	8.43	32.78	20.5	3.57	5	107	0.132	S
C2A	20190502	Cloudy	Moderate	Mid-Ebb	M	4.3	10:16	11.17	8.82	32.63	20.5	3.44	4	106	0.25	SE
C2A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:17	11.37	8.32	28.19	20.5	3.44	3	106	0.213	SE
C2A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:17	11.24	8.94	31.08	20.5	3.24	3	106	0.162	E
F1A	20190502	Cloudy	Moderate	Mid-Ebb	B	6.7	11:41	11.32	8.63	33.45	20.4	3.2	4	106	0.124	E
F1A	20190502	Cloudy	Moderate	Mid-Ebb	B	6.7	11:41	11.25	8.61	31.39	20.4	3.33	4	106	0.239	SE
F1A	20190502	Cloudy	Moderate	Mid-Ebb	M	3.9	11:42	10.99	8.6	32.55	20.4	3.28	2	106	0.214	S

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Location	Date	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	Direction in NESW
F1A	20190502	Cloudy	Moderate	Mid-Ebb	M	3.9	11:42	10.7	9.03	29.52	20.5	3.35	3	106	0.124	S
F1A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:43	10.86	8.62	30.47	20.5	3.46	3	106	0.219	S
F1A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:43	10.39	8.65	31.64	20.5	3.28	4	106	0.155	E
H1	20190502	Cloudy	Moderate	Mid-Ebb	B	6.2	10:29	9.96	8.4	28.78	20.5	2.18	4	106	0.204	E
H1	20190502	Cloudy	Moderate	Mid-Ebb	B	6.2	10:29	9.48	8.88	31.03	20.3	2.01	3	106	0.239	E
H1	20190502	Cloudy	Moderate	Mid-Ebb	M	3.6	10:30	9.11	8.87	28.34	20.5	2.06	3	106	0.116	E
H1	20190502	Cloudy	Moderate	Mid-Ebb	M	3.6	10:30	8.87	8.97	31.16	20.5	2.01	2	106	0.165	SE
H1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:31	8.98	8.52	29.7	20.3	1.92	3	106	0.157	SE
H1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:31	8.83	8.6	28.33	20.4	1.87	4	106	0.25	E
M1	20190502	Cloudy	Moderate	Mid-Ebb	B	8.8	12:09	10.01	8.75	27.52	20.5	2.9	4	106	0.184	S
M1	20190502	Cloudy	Moderate	Mid-Ebb	B	8.8	12:09	10.28	8.8	30.24	20.4	2.8	3	106	0.211	S
M1	20190502	Cloudy	Moderate	Mid-Ebb	M	4.9	12:10	10.14	8.6	29.64	20.4	2.94	3	106	0.132	SE
M1	20190502	Cloudy	Moderate	Mid-Ebb	M	4.9	12:10	10.11	8.88	31.7	20.4	2.89	2	106	0.19	E
M1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	12:11	9.68	8.66	28.73	20.3	2.83	4	106	0.146	SE
M1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	12:11	9.32	8.67	30.26	20.5	2.67	2	106	0.164	E
CR1	20190502	Cloudy	Moderate	Mid-Ebb	B	10.5	11:57	11.95	8.91	29.8	20.3	2.73	2	106	0.185	S
CR1	20190502	Cloudy	Moderate	Mid-Ebb	B	10.5	11:57	12.03	9.04	30.51	20.4	2.79	3	107	0.176	E
CR1	20190502	Cloudy	Moderate	Mid-Ebb	M	5.8	11:58	11.77	8.85	29.17	20.4	2.92	4	106	0.149	S
CR1	20190502	Cloudy	Moderate	Mid-Ebb	M	5.8	11:58	11.66	8.74	33.43	20.4	2.99	3	106	0.206	E
CR1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:59	12.16	8.41	29.14	20.5	3.16	4	106	0.217	E
CR1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:59	11.81	9	29.99	20.3	3.33	3	106	0.202	SE
CR2	20190502	Cloudy	Moderate	Mid-Ebb	B	9.3	11:34	10.66	8.71	32.12	20.5	2.13	3	106	0.117	SE
CR2	20190502	Cloudy	Moderate	Mid-Ebb	B	9.3	11:34	10.7	8.31	32.93	20.3	2.08	4	106	0.146	S
CR2	20190502	Cloudy	Moderate	Mid-Ebb	M	5.2	11:35	11	8.4	31.47	20.4	2.1	3	106	0.213	E
CR2	20190502	Cloudy	Moderate	Mid-Ebb	M	5.2	11:35	10.81	8.52	27.48	20.4	1.94	4	106	0.163	E
CR2	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:36	10.8	8.75	29.03	20.3	2.02	4	106	0.192	SE
CR2	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:36	11.04	8.34	29.49	20.3	2.01	5	105	0.176	SE
S1	20190502	Cloudy	Moderate	Mid-Ebb	B	3.8	10:49	11.2	8.33	27.35	20.4	3.44	3	106	0.135	E
S1	20190502	Cloudy	Moderate	Mid-Ebb	B	3.8	10:49	11.15	8.85	28.87	20.4	3.43	3	106	0.212	S
S1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:50	11.55	8.53	31.39	20.4	3.28	3	106	0.13	SE
S1	20190502	Cloudy	Moderate	Mid-Ebb	S	1	10:50	11.73	8.36	29.28	20.4	3.33	4	106	0.147	E

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S2A	20190502	Cloudy	Moderate	Mid-Ebb	B	8.5	11:18	10.53	8.39	28.63	20.4	3.01	4	105	0.235	S
S2A	20190502	Cloudy	Moderate	Mid-Ebb	B	8.5	11:18	10.62	8.45	30.71	20.3	2.82	3	106	0.166	SE
S2A	20190502	Cloudy	Moderate	Mid-Ebb	M	4.8	11:19	11.06	8.69	31.74	20.5	2.9	3	106	0.178	E
S2A	20190502	Cloudy	Moderate	Mid-Ebb	M	4.8	11:19	10.92	8.9	33.32	20.5	2.9	4	106	0.158	SE
S2A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:20	11.11	8.65	28.09	20.5	2.84	4	106	0.131	SE
S2A	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:20	10.7	9	28.89	20.4	2.76	3	106	0.142	E
S3	20190502	Cloudy	Moderate	Mid-Ebb	B	7.5	11:44	10.13	8.33	27.64	20.4	2.03	3	106	0.138	SE
S3	20190502	Cloudy	Moderate	Mid-Ebb	B	7.5	11:44	10.26	8.51	30.98	20.5	2	4	106	0.214	E
S3	20190502	Cloudy	Moderate	Mid-Ebb	M	4.3	11:45	10.14	8.31	30.04	20.4	1.92	4	105	0.229	S
S3	20190502	Cloudy	Moderate	Mid-Ebb	M	4.3	11:45	10.61	8.75	29.33	20.5	1.94	5	106	0.158	SE
S3	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:46	10.53	8.48	33.08	20.4	1.76	4	107	0.135	SE
S3	20190502	Cloudy	Moderate	Mid-Ebb	S	1	11:46	10.49	8.53	29.2	20.4	1.86	4	105	0.231	S
B1	20190502	Cloudy	Moderate	Mid-Flood	B	4.4	16:49	12.82	8.79	32.8	20.5	2.1	3	106	0.231	W
B1	20190502	Cloudy	Moderate	Mid-Flood	B	4.4	16:49	12.33	8.42	31.06	20.5	2.24	3	105	0.234	SW
B1	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:50	12.25	9	32.31	20.3	2.26	3	106	0.195	SW
B1	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:50	11.99	8.81	27.56	20.4	2.36	3	106	0.167	W
B2	20190502	Cloudy	Moderate	Mid-Flood	B	4.1	17:10	10.86	8.33	30.55	20.4	3.02	3	105	0.232	SW
B2	20190502	Cloudy	Moderate	Mid-Flood	B	4.1	17:10	11.36	8.53	30.4	20.5	3.11	4	106	0.285	NW
B2	20190502	Cloudy	Moderate	Mid-Flood	S	1	17:11	11.36	8.92	29.42	20.3	3.23	4	106	0.284	W
B2	20190502	Cloudy	Moderate	Mid-Flood	S	1	17:11	10.96	8.41	32.37	20.4	3.16	3	106	0.241	SW
B3	20190502	Cloudy	Moderate	Mid-Flood	B	4.2	16:07	11.47	8.82	28.48	20.4	3.46	3	106	0.195	W
B3	20190502	Cloudy	Moderate	Mid-Flood	B	4.2	16:07	11.18	8.65	32.39	20.4	3.52	4	105	0.169	W
B3	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:08	11.41	8.71	32.84	20.5	3.32	4	106	0.237	W
B3	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:08	11.81	8.43	31.11	20.3	3.44	4	106	0.159	W
B4	20190502	Cloudy	Moderate	Mid-Flood	B	4.5	16:11	12.57	8.86	27.49	20.4	2.2	4	106	0.277	W
B4	20190502	Cloudy	Moderate	Mid-Flood	B	4.5	16:11	12.15	9.03	30.94	20.5	2.17	5	106	0.275	W
B4	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:12	12.14	8.78	32.58	20.5	2.18	3	106	0.279	W
B4	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:12	11.99	8.86	31.18	20.4	2.35	3	105	0.242	W
C1A	20190502	Cloudy	Moderate	Mid-Flood	B	10.9	16:23	11.83	8.73	32.61	20.3	2.06	4	105	0.199	W
C1A	20190502	Cloudy	Moderate	Mid-Flood	B	10.9	16:23	12.17	8.71	27.93	20.3	1.89	4	106	0.268	SW
C1A	20190502	Cloudy	Moderate	Mid-Flood	M	6	16:24	12.57	8.72	27.57	20.5	2.03	3	107	0.25	W

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C1A	20190502	Cloudy	Moderate	Mid-Flood	M	6	16:24	12.24	8.76	30.91	20.3	2.04	4	105	0.167	SW
C1A	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:25	11.74	9.04	29.13	20.5	2.07	5	106	0.285	W
C1A	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:25	11.95	8.49	27.64	20.4	2.26	4	106	0.247	W
C2A	20190502	Cloudy	Moderate	Mid-Flood	B	7.9	15:23	12.42	8.61	29.95	20.4	2.38	4	106	0.265	SW
C2A	20190502	Cloudy	Moderate	Mid-Flood	B	7.9	15:23	12.14	8.82	30.78	20.5	2.18	2	106	0.262	SW
C2A	20190502	Cloudy	Moderate	Mid-Flood	M	4.5	15:24	12.05	8.64	33.36	20.4	2.22	3	106	0.259	W
C2A	20190502	Cloudy	Moderate	Mid-Flood	M	4.5	15:24	11.86	8.56	32.48	20.4	2.25	4	105	0.281	NW
C2A	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:25	11.97	8.35	30.88	20.5	2.43	2	107	0.263	W
C2A	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:25	11.91	8.55	29.43	20.5	2.57	3	105	0.235	NW
F1A	20190502	Cloudy	Moderate	Mid-Flood	B	6.6	16:40	11.66	8.77	27.92	20.5	2.15	4	106	0.18	W
F1A	20190502	Cloudy	Moderate	Mid-Flood	B	6.6	16:40	12.12	8.82	29.73	20.4	2.14	3	106	0.244	SW
F1A	20190502	Cloudy	Moderate	Mid-Flood	M	3.8	16:41	12.36	8.57	29.4	20.5	2.15	5	106	0.153	W
F1A	20190502	Cloudy	Moderate	Mid-Flood	M	3.8	16:41	12.25	8.5	31.72	20.5	2.1	4	106	0.185	NW
F1A	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:42	12.37	8.7	27.8	20.3	2.01	4	106	0.26	W
F1A	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:42	12.24	8.42	31.36	20.5	1.85	4	106	0.254	NW
H1	20190502	Cloudy	Moderate	Mid-Flood	B	7.4	15:42	10.19	8.8	31.45	20.4	3.51	2	106	0.209	W
H1	20190502	Cloudy	Moderate	Mid-Flood	B	7.4	15:42	10.48	8.97	30.98	20.4	3.43	3	106	0.253	NW
H1	20190502	Cloudy	Moderate	Mid-Flood	M	4.2	15:43	10.77	8.96	30.29	20.3	3.42	4	106	0.187	NW
H1	20190502	Cloudy	Moderate	Mid-Flood	M	4.2	15:43	10.96	8.69	30.6	20.5	3.39	5	106	0.274	W
H1	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:44	11.15	8.38	29.22	20.4	3.46	3	106	0.26	SW
H1	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:44	11.3	8.75	31.3	20.4	3.66	4	106	0.279	W
M1	20190502	Cloudy	Moderate	Mid-Flood	B	9	17:20	12.21	8.58	27.99	20.4	2.53	3	107	0.278	W
M1	20190502	Cloudy	Moderate	Mid-Flood	B	9	17:20	11.98	8.8	31.19	20.5	2.56	4	106	0.165	W
M1	20190502	Cloudy	Moderate	Mid-Flood	M	5	17:21	12.42	8.83	33.1	20.5	2.6	5	106	0.193	SW
M1	20190502	Cloudy	Moderate	Mid-Flood	M	5	17:21	12.35	8.34	31.57	20.4	2.77	4	106	0.194	SW
M1	20190502	Cloudy	Moderate	Mid-Flood	S	1	17:22	12.81	8.62	29.82	20.5	2.65	4	106	0.248	W
M1	20190502	Cloudy	Moderate	Mid-Flood	S	1	17:22	12.84	8.34	29.42	20.4	2.8	4	107	0.226	W
CR1	20190502	Cloudy	Moderate	Mid-Flood	B	11.5	16:56	9.72	8.66	31.95	20.5	3.39	3	106	0.224	W
CR1	20190502	Cloudy	Moderate	Mid-Flood	B	11.5	16:56	9.77	8.49	32.29	20.5	3.42	4	108	0.164	NW
CR1	20190502	Cloudy	Moderate	Mid-Flood	M	6.3	16:57	9.96	8.89	31	20.3	3.51	4	107	0.285	NW
CR1	20190502	Cloudy	Moderate	Mid-Flood	M	6.3	16:57	9.7	8.83	29.41	20.3	3.32	3	107	0.186	W

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CR1	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:58	9.99	8.92	29.44	20.3	3.32	5	106	0.171	W
CR1	20190502	Cloudy	Moderate	Mid-Flood	S	1	16:58	10.38	8.82	29.22	20.3	3.34	4	106	0.16	NW
CR2	20190502	Cloudy	Moderate	Mid-Flood	B	10.6	15:33	12.86	8.6	33.4	20.5	2.96	4	106	0.221	SW
CR2	20190502	Cloudy	Moderate	Mid-Flood	B	10.6	15:33	13.13	8.66	33.11	20.5	3	2	106	0.27	W
CR2	20190502	Cloudy	Moderate	Mid-Flood	M	5.8	15:34	13.17	8.93	28.04	20.4	2.86	4	106	0.27	W
CR2	20190502	Cloudy	Moderate	Mid-Flood	M	5.8	15:34	13.02	8.62	30	20.4	2.74	5	106	0.262	W
CR2	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:35	12.85	9.01	30.3	20.5	2.57	3	107	0.252	SW
CR2	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:35	12.73	8.81	30.97	20.4	2.56	4	106	0.208	SW
S1	20190502	Cloudy	Moderate	Mid-Flood	B	4.8	17:00	12.71	8.8	27.86	20.4	2.35	5	106	0.292	W
S1	20190502	Cloudy	Moderate	Mid-Flood	B	4.8	17:00	12.76	8.31	33.36	20.4	2.34	4	106	0.215	SW
S1	20190502	Cloudy	Moderate	Mid-Flood	S	1	17:01	12.89	8.47	31.3	20.5	2.45	3	105	0.278	SW
S1	20190502	Cloudy	Moderate	Mid-Flood	S	1	17:01	12.83	8.47	30.92	20.5	2.55	4	106	0.186	W
S2A	20190502	Cloudy	Moderate	Mid-Flood	B	8.8	15:19	12.44	9.02	29.31	20.5	3.78	5	106	0.245	W
S2A	20190502	Cloudy	Moderate	Mid-Flood	B	8.8	15:19	12.67	9.01	33	20.3	3.9	6	106	0.232	NW
S2A	20190502	Cloudy	Moderate	Mid-Flood	M	4.9	15:20	12.74	8.96	29.29	20.4	3.93	3	105	0.21	NW
S2A	20190502	Cloudy	Moderate	Mid-Flood	M	4.9	15:20	12.75	8.43	29.07	20.4	4.12	3	105	0.225	W
S2A	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:21	13.12	8.33	29.76	20.4	4.12	5	106	0.194	W
S2A	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:21	13.09	8.52	28.31	20.4	4	6	106	0.165	W
S3	20190502	Cloudy	Moderate	Mid-Flood	B	7.1	15:43	12.35	8.98	28.05	20.4	2.42	5	105	0.206	W
S3	20190502	Cloudy	Moderate	Mid-Flood	B	7.1	15:43	12.7	8.97	31.07	20.4	2.53	4	106	0.218	W
S3	20190502	Cloudy	Moderate	Mid-Flood	M	4.1	15:44	12.36	8.64	32.6	20.3	2.33	5	107	0.17	W
S3	20190502	Cloudy	Moderate	Mid-Flood	M	4.1	15:44	12.62	9.04	32.94	20.3	2.5	4	106	0.285	SW
S3	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:45	12.32	8.7	28.13	20.4	2.57	4	106	0.264	W
S3	20190502	Cloudy	Moderate	Mid-Flood	S	1	15:45	12.62	8.68	31.63	20.5	2.41	5	105	0.275	W
B1	20190504	Cloudy	Moderate	Mid-Ebb	B	4.6	12:04	12.23	8.76	28.48	20.1	1.87	7	108	0.209	S
B1	20190504	Cloudy	Moderate	Mid-Ebb	B	4.6	12:04	12.24	8.78	28.63	20.2	1.82	7	108	0.239	E
B1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:05	12.51	8.81	31.32	20.1	1.85	5	108	0.242	SE
B1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:05	12.76	8.68	32.49	20.2	1.72	5	107	0.265	S
B2	20190504	Cloudy	Moderate	Mid-Ebb	B	4.2	12:24	10.51	8.85	32.36	20.2	1.62	6	108	0.237	SE
B2	20190504	Cloudy	Moderate	Mid-Ebb	B	4.2	12:24	10.19	8.46	32.28	20.2	1.55	6	107	0.242	E
B2	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:25	9.96	8.81	27.92	20.1	1.41	6	106	0.208	S

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

Location	Date	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	Direction in NESW
B2	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:25	10.36	8.54	29.24	20.1	1.5	6	109	0.243	S
B3	20190504	Cloudy	Moderate	Mid-Ebb	B	4.9	11:55	11.26	8.44	31.86	20.2	2.59	7	108	0.232	SE
B3	20190504	Cloudy	Moderate	Mid-Ebb	B	4.9	11:55	11.45	8.64	31.51	20.1	2.43	8	108	0.149	SE
B3	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:56	11.64	8.44	30.07	20.2	2.27	7	108	0.199	E
B3	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:56	11.37	9	30.25	20.1	2.17	6	108	0.222	SE
B4	20190504	Cloudy	Moderate	Mid-Ebb	B	4.6	12:06	11.87	8.36	30.6	20.2	2.54	6	108	0.231	SE
B4	20190504	Cloudy	Moderate	Mid-Ebb	B	4.6	12:06	12.06	8.87	27.54	20.2	2.46	8	108	0.151	S
B4	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:07	12.54	8.64	28.79	20.2	2.54	8	108	0.226	SE
B4	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:07	12.09	8.49	27.76	20.2	2.42	8	108	0.243	E
C1A	20190504	Cloudy	Moderate	Mid-Ebb	B	8.4	11:18	11.35	8.89	30.16	20.1	2.32	4	108	0.234	S
C1A	20190504	Cloudy	Moderate	Mid-Ebb	B	8.4	11:18	11.62	8.96	33.26	20.2	2.49	5	107	0.177	S
C1A	20190504	Cloudy	Moderate	Mid-Ebb	M	4.7	11:19	11.97	8.7	32.49	20.2	2.44	5	107	0.203	E
C1A	20190504	Cloudy	Moderate	Mid-Ebb	M	4.7	11:19	12.44	8.49	30.09	20.2	2.25	6	108	0.212	SE
C1A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:20	12.87	8.76	30.77	20.2	2.3	5	108	0.171	S
C1A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:20	13.34	8.8	27.49	20.2	2.35	6	108	0.199	E
C2A	20190504	Cloudy	Moderate	Mid-Ebb	B	6.6	11:22	12.92	8.9	29.12	20.1	2.32	7	108	0.168	S
C2A	20190504	Cloudy	Moderate	Mid-Ebb	B	6.6	11:22	12.72	8.79	32.82	20.2	2.23	6	108	0.204	SE
C2A	20190504	Cloudy	Moderate	Mid-Ebb	M	3.8	11:23	12.27	8.52	27.95	20.1	2.07	5	108	0.175	SE
C2A	20190504	Cloudy	Moderate	Mid-Ebb	M	3.8	11:23	12.44	8.91	32.94	20.2	2.23	5	108	0.191	SE
C2A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:24	12.6	8.83	31.59	20.1	2.04	5	107	0.229	S
C2A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:24	12.36	8.65	28.73	20.1	1.99	4	108	0.138	SE
F1A	20190504	Cloudy	Moderate	Mid-Ebb	B	6.5	12:35	10.43	8.85	27.33	20.2	3.73	7	108	0.221	S
F1A	20190504	Cloudy	Moderate	Mid-Ebb	B	6.5	12:35	10.37	8.75	32.32	20.2	3.57	6	108	0.144	SE
F1A	20190504	Cloudy	Moderate	Mid-Ebb	M	3.8	12:36	10.3	8.73	27.47	20.1	3.57	8	108	0.194	S
F1A	20190504	Cloudy	Moderate	Mid-Ebb	M	3.8	12:36	9.94	8.66	32.39	20.2	3.56	6	108	0.271	SE
F1A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:37	10.02	8.55	29.18	20.1	3.65	7	107	0.19	E
F1A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:37	10.02	8.96	29.63	20.2	3.5	7	108	0.261	SE
H1	20190504	Cloudy	Moderate	Mid-Ebb	B	7.2	11:40	11.57	8.65	27.43	20.2	1.95	4	107	0.176	S
H1	20190504	Cloudy	Moderate	Mid-Ebb	B	7.2	11:40	11.99	8.71	33.39	20.1	1.88	5	107	0.189	S
H1	20190504	Cloudy	Moderate	Mid-Ebb	M	4.1	11:41	11.77	8.5	27.76	20.2	1.73	5	108	0.139	SE
H1	20190504	Cloudy	Moderate	Mid-Ebb	M	4.1	11:41	11.79	8.43	28.39	20.2	1.73	6	109	0.22	S

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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
H1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:42	11.85	8.95	28.7	20.1	1.57	6	108	0.252	SE
H1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	11:42	11.63	8.85	31.86	20.2	1.48	6	108	0.132	SE
M1	20190504	Cloudy	Moderate	Mid-Ebb	B	8.3	13:02	12.55	8.48	27.88	20.1	2.42	7	108	0.204	SE
M1	20190504	Cloudy	Moderate	Mid-Ebb	B	8.3	13:02	12.65	8.98	28.88	20.2	2.47	7	108	0.247	S
M1	20190504	Cloudy	Moderate	Mid-Ebb	M	4.7	13:03	12.75	9.03	30.52	20.2	2.45	4	108	0.225	E
M1	20190504	Cloudy	Moderate	Mid-Ebb	M	4.7	13:03	12.79	8.55	28.56	20.1	2.27	5	108	0.197	S
M1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	13:04	13.17	8.68	27.94	20.1	2.24	4	108	0.162	S
M1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	13:04	12.87	8.47	30.85	20.1	2.37	4	108	0.17	SE
CR1	20190504	Cloudy	Moderate	Mid-Ebb	B	11.6	13:20	9.85	8.94	27.49	20.1	2.7	6	108	0.189	SE
CR1	20190504	Cloudy	Moderate	Mid-Ebb	B	11.6	13:20	9.66	8.58	28.85	20.1	2.66	6	108	0.266	SE
CR1	20190504	Cloudy	Moderate	Mid-Ebb	M	6.3	13:21	9.98	8.95	31.37	20.1	2.57	7	108	0.157	S
CR1	20190504	Cloudy	Moderate	Mid-Ebb	M	6.3	13:21	10.07	8.54	31.89	20.1	2.67	7	107	0.163	E
CR1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	13:22	10.46	9.03	32	20.1	2.57	5	108	0.237	S
CR1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	13:22	10.44	8.89	30.68	20.1	2.42	6	107	0.209	E
CR2	20190504	Cloudy	Moderate	Mid-Ebb	B	9.7	12:56	10.18	8.42	29.84	20.1	1.94	4	109	0.196	SE
CR2	20190504	Cloudy	Moderate	Mid-Ebb	B	9.7	12:56	9.93	8.74	27.56	20.2	1.77	4	108	0.195	S
CR2	20190504	Cloudy	Moderate	Mid-Ebb	M	5.4	12:57	9.46	8.96	30.84	20.2	1.87	4	107	0.146	SE
CR2	20190504	Cloudy	Moderate	Mid-Ebb	M	5.4	12:57	9.62	8.94	30.26	20.2	1.75	4	107	0.19	S
CR2	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:58	9.64	8.52	29.69	20.2	1.9	4	108	0.235	SE
CR2	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:58	9.26	9.03	32.91	20.1	1.85	6	108	0.256	E
S1	20190504	Cloudy	Moderate	Mid-Ebb	B	4.5	12:14	9.9	8.82	29.15	20.1	2.28	7	108	0.213	SE
S1	20190504	Cloudy	Moderate	Mid-Ebb	B	4.5	12:14	9.44	8.4	32.28	20.2	2.34	7	108	0.166	SE
S1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:15	9.02	8.8	29.54	20.1	2.17	6	108	0.228	SE
S1	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:15	9	8.61	27.51	20.2	2.18	7	108	0.14	SE
S2A	20190504	Cloudy	Moderate	Mid-Ebb	B	7.7	12:41	8.99	8.31	27.54	20.1	3.82	6	109	0.196	S
S2A	20190504	Cloudy	Moderate	Mid-Ebb	B	7.7	12:41	8.56	8.34	29.37	20.2	3.73	5	108	0.137	SE
S2A	20190504	Cloudy	Moderate	Mid-Ebb	M	4.4	12:42	8.52	8.53	28.57	20.2	3.86	5	108	0.204	E
S2A	20190504	Cloudy	Moderate	Mid-Ebb	M	4.4	12:42	8.8	9.04	28.9	20.2	3.9	6	108	0.244	S
S2A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:43	8.51	8.96	30.16	20.2	4.02	7	108	0.144	SE
S2A	20190504	Cloudy	Moderate	Mid-Ebb	S	1	12:43	8.46	8.69	30.71	20.1	3.98	6	107	0.174	S
S3	20190504	Cloudy	Moderate	Mid-Ebb	B	6.9	13:08	8.25	9	33.28	20.2	1.68	8	108	0.184	SE



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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
S3	20190504	Cloudy	Moderate	Mid-Ebb	B	6.9	13:08	8.67	8.32	30.76	20.2	1.51	8	109	0.234	SE
S3	20190504	Cloudy	Moderate	Mid-Ebb	M	4	13:09	9.12	8.49	29.62	20.2	1.36	5	108	0.217	E
S3	20190504	Cloudy	Moderate	Mid-Ebb	M	4	13:09	9	8.68	27.51	20.1	1.16	5	108	0.235	S
S3	20190504	Cloudy	Moderate	Mid-Ebb	S	1	13:10	8.94	8.78	28.2	20.2	1.05	5	108	0.204	S
S3	20190504	Cloudy	Moderate	Mid-Ebb	S	1	13:10	8.54	8.32	29.96	20.2	1.02	6	108	0.138	SE
B1	20190504	Cloudy	Moderate	Mid-Flood	B	4	16:06	8.88	8.68	30.79	20.1	3.24	7	108	0.166	NW
B1	20190504	Cloudy	Moderate	Mid-Flood	B	4	16:06	8.63	8.82	32.18	20.1	3.08	6	109	0.295	W
B1	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:07	8.94	8.72	31.32	20.1	3.19	5	109	0.244	W
B1	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:07	8.65	8.76	29.94	20.2	3.33	4	108	0.269	W
B2	20190504	Cloudy	Moderate	Mid-Flood	B	4.2	16:26	8.54	8.65	31.01	20.2	1.49	7	107	0.192	SW
B2	20190504	Cloudy	Moderate	Mid-Flood	B	4.2	16:26	8.79	8.75	29.62	20.2	1.55	6	108	0.186	W
B2	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:27	8.81	8.73	28.75	20.1	1.56	3	108	0.223	W
B2	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:27	8.81	8.79	28.04	20.1	1.58	4	108	0.219	W
B3	20190504	Cloudy	Moderate	Mid-Flood	B	4.7	16:16	9.19	8.46	31.82	20.2	3.95	6	108	0.288	NW
B3	20190504	Cloudy	Moderate	Mid-Flood	B	4.7	16:16	9.22	8.94	30.89	20.2	4.03	6	108	0.303	NW
B3	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:17	8.76	8.31	32.18	20.2	4.18	7	107	0.273	SW
B3	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:17	8.39	8.6	30.27	20.2	4.19	7	108	0.226	W
B4	20190504	Cloudy	Moderate	Mid-Flood	B	4	16:28	8.71	8.58	27.85	20.2	2.77	4	108	0.186	W
B4	20190504	Cloudy	Moderate	Mid-Flood	B	4	16:28	8.34	8.63	33.2	20.1	2.79	5	107	0.217	NW
B4	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:29	8.81	8.91	29.05	20.2	2.97	7	108	0.283	NW
B4	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:29	8.57	8.7	27.86	20.2	3.09	6	108	0.292	W
C1A	20190504	Cloudy	Moderate	Mid-Flood	B	9.7	15:38	8.34	8.38	28.5	20.1	1.71	8	108	0.312	W
C1A	20190504	Cloudy	Moderate	Mid-Flood	B	9.7	15:38	8.8	8.86	32.23	20.2	1.81	8	108	0.236	SW
C1A	20190504	Cloudy	Moderate	Mid-Flood	M	5.4	15:39	9.09	8.69	29.13	20.1	1.94	7	109	0.262	W
C1A	20190504	Cloudy	Moderate	Mid-Flood	M	5.4	15:39	8.81	8.42	31.29	20.1	1.86	6	108	0.205	W
C1A	20190504	Cloudy	Moderate	Mid-Flood	S	1	15:40	9.3	8.81	31.07	20.1	1.78	7	108	0.163	W
C1A	20190504	Cloudy	Moderate	Mid-Flood	S	1	15:40	9.28	8.84	28.74	20.1	1.93	7	108	0.265	SW
C2A	20190504	Cloudy	Moderate	Mid-Flood	B	7.7	15:43	9.73	8.76	28.28	20.1	1.71	6	108	0.194	SW
C2A	20190504	Cloudy	Moderate	Mid-Flood	B	7.7	15:43	9.35	8.89	30.67	20.1	1.9	7	108	0.297	NW
C2A	20190504	Cloudy	Moderate	Mid-Flood	M	4.4	15:44	9.27	8.79	27.44	20.2	1.98	5	108	0.212	SW
C2A	20190504	Cloudy	Moderate	Mid-Flood	M	4.4	15:44	9.4	8.48	30.48	20.1	1.91	4	107	0.171	SW

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Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
C2A	20190504	Cloudy	Moderate	Mid-Flood	S	1	15:45	9.17	8.85	32.12	20.2	1.74	5	108	0.205	W
C2A	20190504	Cloudy	Moderate	Mid-Flood	S	1	15:45	9.67	8.3	29.71	20.1	1.77	6	108	0.221	W
F1A	20190504	Cloudy	Moderate	Mid-Flood	B	7.2	16:56	9.18	8.48	29.63	20.1	1.99	6	108	0.198	W
F1A	20190504	Cloudy	Moderate	Mid-Flood	B	7.2	16:56	9.68	8.61	28.03	20.1	1.88	7	107	0.185	W
F1A	20190504	Cloudy	Moderate	Mid-Flood	M	4.1	16:57	9.34	8.46	32.06	20.2	1.73	6	108	0.215	W
F1A	20190504	Cloudy	Moderate	Mid-Flood	M	4.1	16:57	8.84	8.57	33.32	20.2	1.6	5	107	0.277	NW
F1A	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:58	8.38	8.36	32.35	20.2	1.56	5	109	0.159	W
F1A	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:58	8.82	8.73	31.05	20.1	1.63	4	108	0.249	W
H1	20190504	Cloudy	Moderate	Mid-Flood	B	6.8	16:01	8.34	8.72	30.81	20.2	3.89	4	108	0.235	W
H1	20190504	Cloudy	Moderate	Mid-Flood	B	6.8	16:01	8.65	8.34	33.15	20.1	3.72	5	108	0.155	NW
H1	20190504	Cloudy	Moderate	Mid-Flood	M	3.9	16:02	8.63	8.92	30.2	20.2	3.76	6	107	0.228	W
H1	20190504	Cloudy	Moderate	Mid-Flood	M	3.9	16:02	9.08	9.01	31.57	20.2	3.74	6	109	0.234	SW
H1	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:03	9.39	8.94	29.53	20.1	3.79	6	107	0.29	W
H1	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:03	9.65	8.86	32.04	20.2	3.84	7	107	0.291	W
M1	20190504	Cloudy	Moderate	Mid-Flood	B	9	17:21	9.15	8.96	32.04	20.1	2.79	8	108	0.226	W
M1	20190504	Cloudy	Moderate	Mid-Flood	B	9	17:21	9.16	8.82	29.14	20.2	2.96	8	108	0.224	W
M1	20190504	Cloudy	Moderate	Mid-Flood	M	5	17:22	9.47	8.37	27.3	20.1	2.91	7	107	0.216	W
M1	20190504	Cloudy	Moderate	Mid-Flood	M	5	17:22	9.95	8.52	29.95	20.1	2.91	7	108	0.231	NW
M1	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:23	10.44	8.93	33.43	20.2	2.82	7	107	0.227	W
M1	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:23	10.63	8.93	31.64	20.1	2.88	7	108	0.215	W
CR1	20190504	Cloudy	Moderate	Mid-Flood	B	11.6	17:22	10.49	8.43	30.53	20.2	3.61	6	107	0.219	NW
CR1	20190504	Cloudy	Moderate	Mid-Flood	B	11.6	17:22	10.7	8.62	29.46	20.1	3.79	6	107	0.195	W
CR1	20190504	Cloudy	Moderate	Mid-Flood	M	6.3	17:23	10.39	8.65	29.62	20.2	3.79	6	108	0.237	W
CR1	20190504	Cloudy	Moderate	Mid-Flood	M	6.3	17:23	10.58	8.97	27.98	20.1	3.81	7	107	0.208	W
CR1	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:24	10.58	8.98	29	20.1	3.69	8	108	0.312	W
CR1	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:24	10.28	8.68	33.09	20.1	3.61	7	109	0.261	W
CR2	20190504	Cloudy	Moderate	Mid-Flood	B	10.2	16:58	10.03	8.92	27.48	20.2	2.74	7	106	0.24	W
CR2	20190504	Cloudy	Moderate	Mid-Flood	B	10.2	16:58	9.77	8.31	30.33	20.2	2.93	7	108	0.287	W
CR2	20190504	Cloudy	Moderate	Mid-Flood	M	5.6	16:59	9.79	8.65	28.5	20.1	3.07	6	109	0.208	SW
CR2	20190504	Cloudy	Moderate	Mid-Flood	M	5.6	16:59	9.67	9	31.8	20.2	2.97	7	108	0.169	W
CR2	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:00	9.58	8.49	28.18	20.1	2.94	6	108	0.222	SW

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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
CR2	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:00	9.49	8.81	28.04	20.2	2.8	7	107	0.209	W
S1	20190504	Cloudy	Moderate	Mid-Flood	B	4.1	16:16	9.78	8.85	32.39	20.2	2.94	5	108	0.278	NW
S1	20190504	Cloudy	Moderate	Mid-Flood	B	4.1	16:16	10.08	8.4	29.61	20.1	3.06	6	108	0.186	W
S1	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:17	10.43	8.89	32.29	20.1	2.89	7	108	0.216	NW
S1	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:17	10.29	9.03	28.48	20.1	2.85	7	108	0.18	W
S2A	20190504	Cloudy	Moderate	Mid-Flood	B	8.2	16:43	10.15	8.95	31.68	20.1	2.59	5	108	0.232	SW
S2A	20190504	Cloudy	Moderate	Mid-Flood	B	8.2	16:43	9.77	8.36	32.43	20.1	2.63	5	108	0.154	W
S2A	20190504	Cloudy	Moderate	Mid-Flood	M	4.6	16:44	9.29	8.39	32.98	20.2	2.69	6	108	0.304	W
S2A	20190504	Cloudy	Moderate	Mid-Flood	M	4.6	16:44	9.27	8.4	29.84	20.1	2.51	5	108	0.215	SW
S2A	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:45	9.07	8.84	32.35	20.2	2.38	6	108	0.177	W
S2A	20190504	Cloudy	Moderate	Mid-Flood	S	1	16:45	9.18	8.99	31.5	20.2	2.48	5	107	0.205	W
S3	20190504	Cloudy	Moderate	Mid-Flood	B	7.3	17:10	8.7	8.33	33.41	20.1	1.49	8	108	0.192	W
S3	20190504	Cloudy	Moderate	Mid-Flood	B	7.3	17:10	8.89	8.54	30.78	20.1	1.59	7	108	0.166	W
S3	20190504	Cloudy	Moderate	Mid-Flood	M	4.2	17:11	9.01	8.83	28.22	20.1	1.46	7	108	0.293	W
S3	20190504	Cloudy	Moderate	Mid-Flood	M	4.2	17:11	9.09	8.71	29	20.1	1.35	7	107	0.247	NW
S3	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:12	9.55	8.61	30.94	20.2	1.55	6	108	0.275	NW
S3	20190504	Cloudy	Moderate	Mid-Flood	S	1	17:12	9.5	8.88	30.77	20.1	1.7	6	108	0.25	W
B1	20190506	Cloudy	Moderate	Mid-Ebb	B	4.8	17:24	12.9	8.53	28.56	21.2	2.14	3	108	0.094	S
B1	20190506	Cloudy	Moderate	Mid-Ebb	B	4.8	17:24	13.04	8.99	31.83	21.2	2.15	3	108	0.165	S
B1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:25	12.69	8.85	31.17	21.1	2.19	3	108	0.142	E
B1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:25	12.39	9.03	28	21.2	2.12	2	108	0.122	E
B2	20190506	Cloudy	Moderate	Mid-Ebb	B	4.7	17:44	13.31	8.35	30.49	21.2	1.75	5	108	0.234	SE
B2	20190506	Cloudy	Moderate	Mid-Ebb	B	4.7	17:44	13.5	9	27.64	21.2	1.91	4	107	0.19	S
B2	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:45	13.97	8.51	32.55	21.2	1.86	4	108	0.231	SE
B2	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:45	14.25	9	32.49	21.1	1.78	3	108	0.144	S
B3	20190506	Cloudy	Moderate	Mid-Ebb	B	4	17:32	13.03	8.98	28.36	21.2	3.23	2	108	0.138	SE
B3	20190506	Cloudy	Moderate	Mid-Ebb	B	4	17:32	13.32	8.38	28.65	21.2	3.1	2	108	0.217	S
B3	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:33	13.06	8.64	27.7	21.1	3.11	3	108	0.083	SE
B3	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:33	13.33	8.89	28.71	21.1	3.15	3	107	0.093	S
B4	20190506	Cloudy	Moderate	Mid-Ebb	B	4.6	17:40	11.41	8.52	30.08	21.1	3.27	3	108	0.157	S
B4	20190506	Cloudy	Moderate	Mid-Ebb	B	4.6	17:40	11.85	8.46	29.73	21.1	3.25	3	108	0.187	E

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
B4	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:41	12.08	8.86	28.02	21.1	3.06	<2	108	0.133	SE
B4	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:41	11.58	8.5	27.28	21.1	3.1	<2	107	0.09	SE
C1A	20190506	Cloudy	Moderate	Mid-Ebb	B	10.1	16:58	11.15	8.57	31.58	21.1	1.91	2	108	0.123	SE
C1A	20190506	Cloudy	Moderate	Mid-Ebb	B	10.1	16:58	10.77	8.5	31.31	21.1	1.95	3	107	0.157	SE
C1A	20190506	Cloudy	Moderate	Mid-Ebb	M	5.6	16:59	10.68	8.35	28.52	21.2	1.8	3	108	0.086	SE
C1A	20190506	Cloudy	Moderate	Mid-Ebb	M	5.6	16:59	11.08	8.86	28.72	21.2	1.61	3	107	0.179	SE
C1A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:00	10.63	8.85	28.95	21.2	1.42	3	109	0.13	SE
C1A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:00	10.71	8.72	28.32	21.2	1.24	3	108	0.151	S
C2A	20190506	Cloudy	Moderate	Mid-Ebb	B	7.2	16:58	9.76	8.99	27.27	21.1	2.05	3	108	0.159	S
C2A	20190506	Cloudy	Moderate	Mid-Ebb	B	7.2	16:58	9.99	8.64	33.15	21.1	2.18	4	108	0.19	E
C2A	20190506	Cloudy	Moderate	Mid-Ebb	M	4.1	16:59	10.38	8.92	30.41	21.2	2.27	4	108	0.172	S
C2A	20190506	Cloudy	Moderate	Mid-Ebb	M	4.1	16:59	9.97	8.62	32.28	21.2	2.4	3	108	0.141	SE
C2A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:00	9.6	8.42	30.02	21.1	2.46	3	106	0.143	S
C2A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:00	9.32	8.33	30.85	21.2	2.29	2	108	0.246	S
F1A	20190506	Cloudy	Moderate	Mid-Ebb	B	6.3	18:11	12.38	8.4	30.68	21.2	1.97	6	108	0.152	SE
F1A	20190506	Cloudy	Moderate	Mid-Ebb	B	6.3	18:11	12.24	8.39	33.01	21.2	2.1	6	108	0.085	S
F1A	20190506	Cloudy	Moderate	Mid-Ebb	M	3.7	18:12	12.06	8.84	30.69	21.2	1.92	6	108	0.17	S
F1A	20190506	Cloudy	Moderate	Mid-Ebb	M	3.7	18:12	12.05	8.49	31.03	21.1	1.87	6	108	0.228	S
F1A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:13	11.97	8.34	32.19	21.2	2	5	108	0.165	S
F1A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:13	11.53	8.82	31.18	21.2	2.01	4	108	0.179	S
H1	20190506	Cloudy	Moderate	Mid-Ebb	B	6.4	17:15	13.18	8.74	31.8	21.2	1.72	5	109	0.213	S
H1	20190506	Cloudy	Moderate	Mid-Ebb	B	6.4	17:15	13.22	8.86	28.14	21.2	1.65	6	107	0.173	SE
H1	20190506	Cloudy	Moderate	Mid-Ebb	M	3.7	17:16	13.12	8.91	32.97	21.2	1.64	6	108	0.205	SE
H1	20190506	Cloudy	Moderate	Mid-Ebb	M	3.7	17:16	12.8	8.73	30.31	21.2	1.56	4	108	0.093	S
H1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:17	13.16	8.71	29.86	21.1	1.76	5	108	0.234	E
H1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:17	13.19	8.81	32.6	21.2	1.78	4	108	0.191	S
M1	20190506	Cloudy	Moderate	Mid-Ebb	B	8.9	18:43	13.04	8.41	32.84	21.2	2.5	7	107	0.201	SE
M1	20190506	Cloudy	Moderate	Mid-Ebb	B	8.9	18:43	12.58	9.04	31.32	21.2	2.69	7	108	0.208	E
M1	20190506	Cloudy	Moderate	Mid-Ebb	M	5	18:44	12.92	8.32	29	21.2	2.83	7	107	0.089	S
M1	20190506	Cloudy	Moderate	Mid-Ebb	M	5	18:44	12.56	8.99	28.69	21.1	2.85	7	107	0.082	S
M1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:45	12.17	8.31	28.39	21.1	2.82	8	108	0.116	S

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Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
M1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:45	12.4	8.94	29.83	21.2	2.96	8	108	0.194	SE
CR1	20190506	Cloudy	Moderate	Mid-Ebb	B	11.2	18:36	9.8	8.61	32.9	21.2	2.51	4	109	0.123	SE
CR1	20190506	Cloudy	Moderate	Mid-Ebb	B	11.2	18:36	10.23	8.75	32.86	21.2	2.68	4	107	0.136	S
CR1	20190506	Cloudy	Moderate	Mid-Ebb	M	6.1	18:37	10.68	8.7	32.02	21.2	2.65	4	108	0.142	S
CR1	20190506	Cloudy	Moderate	Mid-Ebb	M	6.1	18:37	10.63	8.87	32.2	21.2	2.82	4	107	0.142	S
CR1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:38	11.12	8.76	31.35	21.1	2.78	5	108	0.079	S
CR1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:38	11.36	8.5	30.68	21.2	2.78	4	108	0.22	SE
CR2	20190506	Cloudy	Moderate	Mid-Ebb	B	10.3	18:14	11.33	8.59	32.86	21.2	2.29	6	108	0.229	E
CR2	20190506	Cloudy	Moderate	Mid-Ebb	B	10.3	18:14	11.52	8.77	33.05	21.2	2.18	7	107	0.109	E
CR2	20190506	Cloudy	Moderate	Mid-Ebb	M	5.7	18:15	11.09	8.7	29.38	21.1	2.29	6	108	0.234	S
CR2	20190506	Cloudy	Moderate	Mid-Ebb	M	5.7	18:15	10.7	8.85	29.19	21.2	2.26	6	107	0.201	S
CR2	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:16	10.55	8.34	32.52	21.1	2.34	4	107	0.134	SE
CR2	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:16	10.45	8.96	28.73	21.2	2.4	4	108	0.205	SE
S1	20190506	Cloudy	Moderate	Mid-Ebb	B	4.5	17:34	11.8	8.7	29.62	21.2	2.47	6	108	0.113	SE
S1	20190506	Cloudy	Moderate	Mid-Ebb	B	4.5	17:34	12.02	8.64	27.67	21.1	2.45	7	108	0.203	S
S1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:35	12.08	8.77	32.14	21.2	2.54	6	108	0.079	SE
S1	20190506	Cloudy	Moderate	Mid-Ebb	S	1	17:35	11.78	8.94	30.88	21.2	2.58	6	107	0.219	S
S2A	20190506	Cloudy	Moderate	Mid-Ebb	B	8.1	18:01	11.33	8.77	32.24	21.1	2.64	6	108	0.118	SE
S2A	20190506	Cloudy	Moderate	Mid-Ebb	B	8.1	18:01	11.73	8.32	27.6	21.1	2.67	7	108	0.188	S
S2A	20190506	Cloudy	Moderate	Mid-Ebb	M	4.6	18:02	11.71	8.36	31.58	21.1	2.63	6	108	0.238	S
S2A	20190506	Cloudy	Moderate	Mid-Ebb	M	4.6	18:02	11.21	8.53	32.54	21.1	2.58	6	108	0.132	E
S2A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:03	10.82	8.9	32.96	21.2	2.6	6	108	0.079	SE
S2A	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:03	11.17	8.38	29.88	21.2	2.41	5	108	0.25	E
S3	20190506	Cloudy	Moderate	Mid-Ebb	B	7.5	18:24	13.63	8.45	28.95	21.1	3.65	5	109	0.129	SE
S3	20190506	Cloudy	Moderate	Mid-Ebb	B	7.5	18:24	13.25	8.54	29.57	21.2	3.55	4	107	0.1	S
S3	20190506	Cloudy	Moderate	Mid-Ebb	M	4.3	18:25	13.69	8.46	30.72	21.1	3.75	6	108	0.092	SE
S3	20190506	Cloudy	Moderate	Mid-Ebb	M	4.3	18:25	13.65	8.41	29.95	21.2	3.76	5	107	0.203	S
S3	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:26	13.77	8.76	31.27	21.2	3.93	4	108	0.144	S
S3	20190506	Cloudy	Moderate	Mid-Ebb	S	1	18:26	13.7	8.54	30.24	21.2	3.77	4	108	0.108	SE
B1	20190506	Cloudy	Moderate	Mid-Flood	B	4.3	13:24	11.14	8.64	32.12	20.8	2.9	3	108	0.197	SW
B1	20190506	Cloudy	Moderate	Mid-Flood	B	4.3	13:24	11.44	8.44	31.06	20.7	2.83	4	108	0.211	W

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
B1	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:25	11.58	8.85	31.88	20.8	2.66	4	110	0.254	NW
B1	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:25	11.84	8.87	27.35	20.7	2.64	4	108	0.235	W
B2	20190506	Cloudy	Moderate	Mid-Flood	B	4.5	13:45	10.63	8.43	28.19	20.7	2.44	4	108	0.127	NW
B2	20190506	Cloudy	Moderate	Mid-Flood	B	4.5	13:45	11.12	8.36	27.71	20.6	2.61	4	109	0.183	W
B2	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:46	10.62	8.93	30.53	20.6	2.78	4	108	0.235	NW
B2	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:46	10.19	8.5	31.95	20.6	2.69	4	108	0.218	W
B3	20190506	Cloudy	Moderate	Mid-Flood	B	4.3	13:31	11.6	8.49	28.5	20.8	2	4	108	0.138	W
B3	20190506	Cloudy	Moderate	Mid-Flood	B	4.3	13:31	11.45	8.71	28.83	20.8	1.83	6	108	0.166	W
B3	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:32	11.7	8.92	32.9	20.7	1.93	4	108	0.285	W
B3	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:32	11.48	8.71	29.38	20.6	1.9	4	108	0.258	W
B4	20190506	Cloudy	Moderate	Mid-Flood	B	4	13:42	12.97	9.02	32.09	20.7	3.62	5	108	0.148	W
B4	20190506	Cloudy	Moderate	Mid-Flood	B	4	13:42	13.28	8.93	30.98	20.8	3.69	5	108	0.189	W
B4	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:43	13.54	8.81	31.49	20.7	3.77	4	107	0.145	SW
B4	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:43	13.08	8.61	32.73	20.6	3.75	5	107	0.175	W
C1A	20190506	Cloudy	Moderate	Mid-Flood	B	9	12:55	11.3	8.76	29.66	20.7	2.28	6	108	0.232	SW
C1A	20190506	Cloudy	Moderate	Mid-Flood	B	9	12:55	11.56	8.63	31.45	20.8	2.48	6	109	0.252	W
C1A	20190506	Cloudy	Moderate	Mid-Flood	M	5	12:56	11.9	9	33.19	20.7	2.46	5	108	0.193	W
C1A	20190506	Cloudy	Moderate	Mid-Flood	M	5	12:56	11.95	8.61	31.73	20.7	2.56	4	108	0.129	NW
C1A	20190506	Cloudy	Moderate	Mid-Flood	S	1	12:57	11.49	8.7	27.49	20.7	2.42	4	108	0.235	W
C1A	20190506	Cloudy	Moderate	Mid-Flood	S	1	12:57	11.89	8.76	27.7	20.7	2.52	5	108	0.159	W
C2A	20190506	Cloudy	Moderate	Mid-Flood	B	8	12:57	10.51	8.97	31.36	20.7	1.71	5	107	0.283	W
C2A	20190506	Cloudy	Moderate	Mid-Flood	B	8	12:57	10.35	8.51	30.37	20.7	1.9	4	108	0.132	W
C2A	20190506	Cloudy	Moderate	Mid-Flood	M	4.5	12:58	10.71	9.04	28.17	20.7	1.71	6	107	0.25	W
C2A	20190506	Cloudy	Moderate	Mid-Flood	M	4.5	12:58	10.81	8.72	30.88	20.6	1.71	5	107	0.153	NW
C2A	20190506	Cloudy	Moderate	Mid-Flood	S	1	12:59	10.7	8.77	33.12	20.8	1.82	7	109	0.144	SW
C2A	20190506	Cloudy	Moderate	Mid-Flood	S	1	12:59	10.26	8.51	32.7	20.8	1.81	7	107	0.147	W
F1A	20190506	Cloudy	Moderate	Mid-Flood	B	6.7	14:14	10.63	8.83	30.37	20.7	1.57	5	108	0.124	SW
F1A	20190506	Cloudy	Moderate	Mid-Flood	B	6.7	14:14	11.09	8.4	29.36	20.8	1.48	4	108	0.187	NW
F1A	20190506	Cloudy	Moderate	Mid-Flood	M	3.9	14:15	10.7	8.62	31.19	20.8	1.64	6	108	0.22	W
F1A	20190506	Cloudy	Moderate	Mid-Flood	M	3.9	14:15	11.08	8.75	32.16	20.7	1.83	5	107	0.199	SW
F1A	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:16	10.69	8.44	30.98	20.8	2.01	6	108	0.224	W

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Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
F1A	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:16	10.26	8.91	28.54	20.6	1.98	6	108	0.206	W
H1	20190506	Cloudy	Moderate	Mid-Flood	B	7.2	13:16	10.45	8.58	29.7	20.7	2.6	4	108	0.237	W
H1	20190506	Cloudy	Moderate	Mid-Flood	B	7.2	13:16	10.02	8.73	29.95	20.7	2.43	5	108	0.269	W
H1	20190506	Cloudy	Moderate	Mid-Flood	M	4.1	13:17	10.05	8.58	30.7	20.7	2.58	4	108	0.206	W
H1	20190506	Cloudy	Moderate	Mid-Flood	M	4.1	13:17	10.53	8.62	28.01	20.7	2.78	4	107	0.253	W
H1	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:18	10.98	8.49	28.48	20.7	2.98	3	108	0.187	W
H1	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:18	10.87	8.66	28.1	20.8	3.01	3	108	0.28	W
M1	20190506	Cloudy	Moderate	Mid-Flood	B	9	15:42	13.25	8.54	32.56	20.6	2.86	2	108	0.287	W
M1	20190506	Cloudy	Moderate	Mid-Flood	B	9	15:42	13.55	8.55	29.44	20.6	2.87	3	108	0.139	SW
M1	20190506	Cloudy	Moderate	Mid-Flood	M	5	15:43	13.82	8.63	29.26	20.7	3	4	108	0.145	W
M1	20190506	Cloudy	Moderate	Mid-Flood	M	5	15:43	14.17	8.8	28.16	20.8	3.06	2	108	0.287	SW
M1	20190506	Cloudy	Moderate	Mid-Flood	S	1	15:44	14.28	8.81	27.46	20.7	2.89	3	108	0.289	W
M1	20190506	Cloudy	Moderate	Mid-Flood	S	1	15:44	14.43	8.96	31.47	20.7	2.83	4	107	0.152	NW
CR1	20190506	Cloudy	Moderate	Mid-Flood	B	12	14:35	11.26	9.03	32.32	20.6	2.14	4	107	0.261	W
CR1	20190506	Cloudy	Moderate	Mid-Flood	B	12	14:35	10.95	8.83	28.65	20.7	2.2	2	108	0.211	W
CR1	20190506	Cloudy	Moderate	Mid-Flood	M	6.5	14:36	11.35	8.89	32.06	20.8	2.09	5	108	0.254	W
CR1	20190506	Cloudy	Moderate	Mid-Flood	M	6.5	14:36	11.29	8.33	27.92	20.7	1.96	6	108	0.166	W
CR1	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:37	11.25	8.8	28.88	20.7	2.14	4	108	0.261	W
CR1	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:37	11.57	8.61	29.59	20.7	2.27	4	107	0.249	W
CR2	20190506	Cloudy	Moderate	Mid-Flood	B	10	14:13	11.14	8.96	30.95	20.8	2.31	5	107	0.269	NW
CR2	20190506	Cloudy	Moderate	Mid-Flood	B	10	14:13	11.47	8.7	29.83	20.6	2.15	4	107	0.222	W
CR2	20190506	Cloudy	Moderate	Mid-Flood	M	5.5	14:14	11.21	8.53	31.04	20.8	2.18	3	106	0.152	W
CR2	20190506	Cloudy	Moderate	Mid-Flood	M	5.5	14:14	11.05	8.58	32.68	20.7	2.13	4	107	0.166	NW
CR2	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:15	11.23	8.72	31.29	20.8	2.04	3	107	0.197	W
CR2	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:15	10.91	8.65	28.94	20.7	2.02	3	107	0.286	W
S1	20190506	Cloudy	Moderate	Mid-Flood	B	4.8	13:35	13.37	8.5	28.94	20.7	2.29	3	108	0.145	NW
S1	20190506	Cloudy	Moderate	Mid-Flood	B	4.8	13:35	13.25	8.35	30.91	20.7	2.42	4	107	0.262	W
S1	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:36	12.76	8.49	31.36	20.8	2.28	4	107	0.174	W
S1	20190506	Cloudy	Moderate	Mid-Flood	S	1	13:36	13.16	8.84	31.21	20.6	2.1	5	109	0.223	SW
S2A	20190506	Cloudy	Moderate	Mid-Flood	B	8.4	14:00	11.85	8.84	32.64	20.7	1.78	3	108	0.237	SW
S2A	20190506	Cloudy	Moderate	Mid-Flood	B	8.4	14:00	11.74	8.72	30.12	20.7	1.8	3	108	0.148	W

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
S2A	20190506	Cloudy	Moderate	Mid-Flood	M	4.7	14:01	11.99	8.96	30.55	20.7	1.94	3	108	0.187	W
S2A	20190506	Cloudy	Moderate	Mid-Flood	M	4.7	14:01	11.69	8.32	27.79	20.6	2.02	3	108	0.193	NW
S2A	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:02	11.22	8.94	29.34	20.6	2.18	6	109	0.179	W
S2A	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:02	11.3	8.73	28.88	20.8	2.22	7	107	0.226	SW
S3	20190506	Cloudy	Moderate	Mid-Flood	B	7.2	14:23	13.43	8.56	31.49	20.8	2.33	2	108	0.261	W
S3	20190506	Cloudy	Moderate	Mid-Flood	B	7.2	14:23	13.07	8.97	31.91	20.7	2.24	3	108	0.254	NW
S3	20190506	Cloudy	Moderate	Mid-Flood	M	4.1	14:24	13.54	8.72	27.33	20.7	2.18	3	108	0.176	W
S3	20190506	Cloudy	Moderate	Mid-Flood	M	4.1	14:24	13.45	8.7	32.42	20.7	2.25	3	108	0.22	W
S3	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:25	13.51	8.5	28.54	20.7	2.38	4	108	0.219	W
S3	20190506	Cloudy	Moderate	Mid-Flood	S	1	14:25	13.36	9.01	33.44	20.6	2.34	4	109	0.256	SW
B1	20190508	Cloudy	Moderate	Mid-Flood	B	4.5	10:16	12.98	8.54	32.43	20.2	2.56	6	107	0.28	NW
B1	20190508	Cloudy	Moderate	Mid-Flood	B	4.5	10:16	12.52	9.02	32.51	20.2	2.56	7	107	0.225	W
B1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:17	13	8.48	29.58	20.2	2.69	5	108	0.277	W
B1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:17	12.94	8.31	32.02	20.2	2.65	6	108	0.279	NW
B2	20190508	Cloudy	Moderate	Mid-Flood	B	4.1	10:39	9.36	8.63	32.31	20.2	1.98	6	107	0.3	W
B2	20190508	Cloudy	Moderate	Mid-Flood	B	4.1	10:39	8.93	8.38	30.64	20.1	1.81	7	107	0.249	W
B2	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:40	8.93	9.04	27.35	20.1	1.76	6	107	0.194	W
B2	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:40	8.83	8.6	33.06	20.1	1.73	7	107	0.227	W
B3	20190508	Cloudy	Moderate	Mid-Flood	B	4.4	11:14	12.74	8.65	28.06	20.2	1.99	3	107	0.292	NW
B3	20190508	Cloudy	Moderate	Mid-Flood	B	4.4	11:14	12.88	8.34	30.44	20.1	1.99	4	107	0.297	W
B3	20190508	Cloudy	Moderate	Mid-Flood	S	1	11:15	13.02	8.7	28.64	20.2	1.89	5	107	0.319	W
B3	20190508	Cloudy	Moderate	Mid-Flood	S	1	11:15	12.63	8.43	31.22	20.1	1.83	6	107	0.306	W
B4	20190508	Cloudy	Moderate	Mid-Flood	B	4.6	11:25	10.97	8.67	29.9	20.2	1.67	5	106	0.279	W
B4	20190508	Cloudy	Moderate	Mid-Flood	B	4.6	11:25	11.33	8.34	28.31	20.1	1.77	6	107	0.219	W
B4	20190508	Cloudy	Moderate	Mid-Flood	S	1	11:26	11.73	8.54	32.63	20.1	1.91	6	106	0.193	W
B4	20190508	Cloudy	Moderate	Mid-Flood	S	1	11:26	12.12	8.45	31.85	20.1	1.72	7	107	0.25	W
C1A	20190508	Cloudy	Moderate	Mid-Flood	B	9.7	9:48	12.05	8.66	27.67	20.2	2.55	6	107	0.308	W
C1A	20190508	Cloudy	Moderate	Mid-Flood	B	9.7	9:48	12.08	8.45	31.96	20.1	2.54	7	108	0.202	W
C1A	20190508	Cloudy	Moderate	Mid-Flood	M	5.4	9:49	12.08	8.34	33.24	20.2	2.35	6	107	0.306	W
C1A	20190508	Cloudy	Moderate	Mid-Flood	M	5.4	9:49	12.09	8.88	30.58	20.2	2.38	7	107	0.262	W
C1A	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:50	12.25	8.36	28.64	20.2	2.32	7	106	0.208	W



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Location	Date	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	Direction in NESW
C1A	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:50	12.69	8.66	28.78	20.1	2.2	6	106	0.259	W
C2A	20190508	Cloudy	Moderate	Mid-Flood	B	7.2	9:11	9.83	8.6	32.8	20.1	2.5	5	106	0.206	NW
C2A	20190508	Cloudy	Moderate	Mid-Flood	B	7.2	9:11	9.42	8.47	31.46	20.2	2.52	6	106	0.281	W
C2A	20190508	Cloudy	Moderate	Mid-Flood	M	4.1	9:12	9.49	8.92	27.32	20.2	2.39	4	106	0.263	W
C2A	20190508	Cloudy	Moderate	Mid-Flood	M	4.1	9:12	9.5	8.99	31.27	20.1	2.25	5	107	0.267	W
C2A	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:13	9.47	9.01	33.22	20.2	2.33	5	106	0.273	W
C2A	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:13	9.27	8.34	29.68	20.2	2.26	4	107	0.192	W
F1A	20190508	Cloudy	Moderate	Mid-Flood	B	7.1	11:27	12.68	8.98	32.63	20.2	1.81	6	106	0.244	W
F1A	20190508	Cloudy	Moderate	Mid-Flood	B	7.1	11:27	12.99	8.41	32.68	20.1	1.65	7	107	0.288	W
F1A	20190508	Cloudy	Moderate	Mid-Flood	M	4.1	11:28	12.64	8.83	30.89	20.1	1.66	6	106	0.205	W
F1A	20190508	Cloudy	Moderate	Mid-Flood	M	4.1	11:28	13.01	8.44	30.68	20.1	1.85	7	106	0.216	NW
F1A	20190508	Cloudy	Moderate	Mid-Flood	S	1	11:29	12.83	8.99	27.55	20.2	1.81	5	108	0.199	W
F1A	20190508	Cloudy	Moderate	Mid-Flood	S	1	11:29	12.35	8.49	27.61	20.1	1.95	6	107	0.306	W
H1	20190508	Cloudy	Moderate	Mid-Flood	B	7.2	9:30	12.27	8.36	31.78	20.1	3.82	5	107	0.203	W
H1	20190508	Cloudy	Moderate	Mid-Flood	B	7.2	9:30	12.21	8.78	27.87	20.2	3.96	6	107	0.285	W
H1	20190508	Cloudy	Moderate	Mid-Flood	M	4.1	9:31	11.94	8.73	28.36	20.2	4.12	7	107	0.301	W
H1	20190508	Cloudy	Moderate	Mid-Flood	M	4.1	9:31	12.34	8.91	29.67	20.1	4.31	6	107	0.244	NW
H1	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:32	12.05	8.45	29.86	20.2	4.14	6	108	0.3	W
H1	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:32	12.32	8.34	31.79	20.2	4.1	6	108	0.229	W
M1	20190508	Cloudy	Moderate	Mid-Flood	B	8.8	10:57	10.31	8.58	32.78	20.1	1.55	7	107	0.245	W
M1	20190508	Cloudy	Moderate	Mid-Flood	B	8.8	10:57	9.9	8.78	31.03	20.2	1.35	6	107	0.226	W
M1	20190508	Cloudy	Moderate	Mid-Flood	M	4.9	10:58	10.32	8.64	32.65	20.1	1.2	4	108	0.186	W
M1	20190508	Cloudy	Moderate	Mid-Flood	M	4.9	10:58	10.19	9.04	31.06	20.2	1.24	5	108	0.226	W
M1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:59	10.58	8.49	29	20.2	1.12	6	108	0.318	W
M1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:59	10.4	8.73	33.08	20.2	0.99	7	106	0.201	W
CR1	20190508	Cloudy	Moderate	Mid-Flood	B	11.5	10:11	10.37	8.89	28.85	20.1	1.65	6	107	0.223	NW
CR1	20190508	Cloudy	Moderate	Mid-Flood	B	11.5	10:11	10.77	8.57	32.28	20.2	1.5	5	106	0.196	NW
CR1	20190508	Cloudy	Moderate	Mid-Flood	M	6.3	10:12	10.54	8.4	28.28	20.2	1.38	6	108	0.256	NW
CR1	20190508	Cloudy	Moderate	Mid-Flood	M	6.3	10:12	10.11	8.39	28.61	20.2	1.43	7	107	0.205	W
CR1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:13	10.37	8.39	33.31	20.2	1.54	5	107	0.219	W
CR1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:13	10.73	8.89	32.36	20.2	1.52	6	108	0.21	W

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Location	Date	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	Direction in NESW
CR2	20190508	Cloudy	Moderate	Mid-Flood	B	9.8	9:42	10.34	8.3	31.71	20.1	3.02	6	108	0.311	W
CR2	20190508	Cloudy	Moderate	Mid-Flood	B	9.8	9:42	9.85	8.79	32.74	20.2	3.02	5	108	0.312	W
CR2	20190508	Cloudy	Moderate	Mid-Flood	M	5.4	9:43	10.04	8.94	29.36	20.2	3.05	4	107	0.192	W
CR2	20190508	Cloudy	Moderate	Mid-Flood	M	5.4	9:43	10.03	8.38	30.52	20.1	2.85	6	107	0.189	W
CR2	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:44	9.76	8.52	29.09	20.1	3.01	6	106	0.291	W
CR2	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:44	10	8.6	30.93	20.1	3	5	108	0.259	W
S1	20190508	Cloudy	Moderate	Mid-Flood	B	4.7	10:29	12.08	8.82	28.43	20.1	2.17	4	106	0.237	NW
S1	20190508	Cloudy	Moderate	Mid-Flood	B	4.7	10:29	12.55	8.86	28.58	20.2	2.07	5	108	0.199	NW
S1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:30	12.45	8.96	28.75	20.1	2.14	6	107	0.19	W
S1	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:30	12.93	8.89	30.12	20.1	1.98	5	108	0.189	NW
S2A	20190508	Cloudy	Moderate	Mid-Flood	B	8.6	10:56	12.58	8.47	27.31	20.2	2.36	4	107	0.283	W
S2A	20190508	Cloudy	Moderate	Mid-Flood	B	8.6	10:56	12.72	8.87	31.78	20.2	2.54	6	107	0.202	W
S2A	20190508	Cloudy	Moderate	Mid-Flood	M	4.8	10:57	13.21	8.86	32.48	20.1	2.46	6	107	0.201	W
S2A	20190508	Cloudy	Moderate	Mid-Flood	M	4.8	10:57	13.51	8.91	28.55	20.2	2.5	6	106	0.211	NW
S2A	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:58	13.85	8.82	30.67	20.1	2.65	5	107	0.211	W
S2A	20190508	Cloudy	Moderate	Mid-Flood	S	1	10:58	13.62	8.47	33.32	20.2	2.76	6	107	0.228	W
S3	20190508	Cloudy	Moderate	Mid-Flood	B	7.7	9:55	12.86	8.54	29.81	20.2	2.43	5	107	0.278	W
S3	20190508	Cloudy	Moderate	Mid-Flood	B	7.7	9:55	13.18	8.34	30.32	20.1	2.54	5	107	0.266	W
S3	20190508	Cloudy	Moderate	Mid-Flood	M	4.4	9:56	12.71	8.34	30.43	20.1	2.67	7	107	0.197	NW
S3	20190508	Cloudy	Moderate	Mid-Flood	M	4.4	9:56	12.41	8.71	29.26	20.1	2.55	6	107	0.308	W
S3	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:57	12.53	8.51	31.73	20.2	2.42	5	107	0.188	W
S3	20190508	Cloudy	Moderate	Mid-Flood	S	1	9:57	12.67	8.84	29.22	20.2	2.5	5	106	0.27	NW
B1	20190508	Cloudy	Moderate	Mid-Ebb	B	4.9	13:17	12.4	8.93	32.25	20.3	3.54	5	108	0.237	SE
B1	20190508	Cloudy	Moderate	Mid-Ebb	B	4.9	13:17	12.65	8.93	27.39	20.4	3.63	6	107	0.205	E
B1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:18	12.32	8.86	27.79	20.4	3.68	6	106	0.199	E
B1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:18	12.35	8.66	29.77	20.4	3.5	5	107	0.193	SE
B2	20190508	Cloudy	Moderate	Mid-Ebb	B	4.5	13:40	10.68	8.46	30.71	20.4	3.43	4	106	0.21	SE
B2	20190508	Cloudy	Moderate	Mid-Ebb	B	4.5	13:40	10.78	8.53	29.03	20.3	3.36	5	106	0.193	E
B2	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:41	10.77	8.41	28.9	20.3	3.48	6	108	0.175	SE
B2	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:41	11.09	8.4	28.3	20.3	3.56	7	108	0.223	SE
B3	20190508	Cloudy	Moderate	Mid-Ebb	B	4.4	13:57	10.11	8.96	30.21	20.4	2.06	6	107	0.271	SE

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Location	Date	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	Direction in NESW
B3	20190508	Cloudy	Moderate	Mid-Ebb	B	4.4	13:57	10.23	8.44	29.57	20.5	2.11	5	107	0.147	SE
B3	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:58	10.65	8.4	28.12	20.5	2.13	5	107	0.233	E
B3	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:58	11.12	8.85	31.43	20.4	2.22	6	108	0.217	E
B4	20190508	Cloudy	Moderate	Mid-Ebb	B	4.6	14:07	9.9	8.39	27.55	20.4	1.73	8	107	0.192	SE
B4	20190508	Cloudy	Moderate	Mid-Ebb	B	4.6	14:07	10.19	8.95	33.18	20.5	1.67	9	108	0.163	E
B4	20190508	Cloudy	Moderate	Mid-Ebb	S	1	14:08	9.86	8.62	31.83	20.3	1.5	6	108	0.206	SE
B4	20190508	Cloudy	Moderate	Mid-Ebb	S	1	14:08	10.36	8.61	33.02	20.5	1.69	7	107	0.21	SE
C1A	20190508	Cloudy	Moderate	Mid-Ebb	B	9.4	12:50	10.91	8.42	32.44	20.5	2.91	4	107	0.273	SE
C1A	20190508	Cloudy	Moderate	Mid-Ebb	B	9.4	12:50	10.52	8.35	33.34	20.4	2.83	5	108	0.184	SE
C1A	20190508	Cloudy	Moderate	Mid-Ebb	M	5.2	12:51	10.27	8.62	31.04	20.4	2.99	6	107	0.246	SE
C1A	20190508	Cloudy	Moderate	Mid-Ebb	M	5.2	12:51	10.65	9.03	30.9	20.5	3.08	6	107	0.206	SE
C1A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	12:52	10.47	8.37	31.39	20.5	3.12	7	108	0.147	SE
C1A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	12:52	10.19	8.33	28.77	20.5	3.05	6	107	0.243	SE
C2A	20190508	Cloudy	Moderate	Mid-Ebb	B	7.1	13:55	9.48	8.58	29	20.4	3.63	8	107	0.247	E
C2A	20190508	Cloudy	Moderate	Mid-Ebb	B	7.1	13:55	9.22	8.52	31.61	20.4	3.7	9	107	0.282	SE
C2A	20190508	Cloudy	Moderate	Mid-Ebb	M	4.1	13:56	9.46	8.77	32.24	20.4	3.77	7	107	0.144	SE
C2A	20190508	Cloudy	Moderate	Mid-Ebb	M	4.1	13:56	9.76	8.46	28.97	20.3	3.88	8	107	0.218	SE
C2A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:57	10	8.51	30.86	20.3	3.82	6	107	0.142	SE
C2A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:57	9.99	8.62	28.99	20.5	3.89	7	107	0.285	SE
F1A	20190508	Cloudy	Moderate	Mid-Ebb	B	7.1	14:58	12.38	8.48	30.62	20.4	1.48	8	107	0.236	SE
F1A	20190508	Cloudy	Moderate	Mid-Ebb	B	7.1	14:58	12.6	8.4	31.89	20.4	1.58	7	107	0.168	SE
F1A	20190508	Cloudy	Moderate	Mid-Ebb	M	4.1	14:59	12.42	8.62	28.42	20.4	1.67	6	106	0.186	E
F1A	20190508	Cloudy	Moderate	Mid-Ebb	M	4.1	14:59	12.79	8.51	32.54	20.5	1.64	7	106	0.206	SE
F1A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	15:00	12.6	8.69	27.86	20.5	1.51	6	107	0.235	E
F1A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	15:00	12.49	8.57	33.19	20.4	1.68	7	107	0.268	SE
H1	20190508	Cloudy	Moderate	Mid-Ebb	B	6.9	12:50	12.06	8.36	32.87	20.4	2.25	8	108	0.164	SE
H1	20190508	Cloudy	Moderate	Mid-Ebb	B	6.9	12:50	12.31	8.7	29.9	20.5	2.27	6	108	0.252	E
H1	20190508	Cloudy	Moderate	Mid-Ebb	M	4	12:51	12.75	8.42	33.01	20.4	2.36	9	108	0.152	SE
H1	20190508	Cloudy	Moderate	Mid-Ebb	M	4	12:51	12.82	8.97	30.72	20.5	2.32	10	108	0.253	SE
H1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	12:52	13.02	8.99	29.78	20.3	2.15	8	107	0.237	SE
H1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	12:52	12.59	8.35	31.13	20.3	2.03	8	107	0.251	E

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Location	Date	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	Direction in NESW
M1	20190508	Cloudy	Moderate	Mid-Ebb	B	7.7	14:31	10.24	8.42	31.29	20.4	1.55	7	107	0.223	E
M1	20190508	Cloudy	Moderate	Mid-Ebb	B	7.7	14:31	10.06	8.59	29.21	20.4	1.42	6	107	0.167	SE
M1	20190508	Cloudy	Moderate	Mid-Ebb	M	4.4	14:32	10.51	8.87	32.11	20.5	1.34	8	107	0.162	E
M1	20190508	Cloudy	Moderate	Mid-Ebb	M	4.4	14:32	10.45	9.04	33.29	20.4	1.14	7	107	0.171	SE
M1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	14:33	9.95	8.43	32.8	20.4	1.34	7	107	0.268	SE
M1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	14:33	9.58	8.83	30.33	20.5	1.45	8	108	0.2	SE
CR1	20190508	Cloudy	Moderate	Mid-Ebb	B	11.4	13:31	10.6	8.74	31.64	20.4	2.46	6	106	0.287	SE
CR1	20190508	Cloudy	Moderate	Mid-Ebb	B	11.4	13:31	11.07	8.61	31.4	20.3	2.4	6	107	0.181	E
CR1	20190508	Cloudy	Moderate	Mid-Ebb	M	6.2	13:32	10.86	8.36	30.82	20.5	2.46	8	107	0.148	E
CR1	20190508	Cloudy	Moderate	Mid-Ebb	M	6.2	13:32	10.59	8.62	28.54	20.3	2.5	7	106	0.165	SE
CR1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:33	11.04	8.51	28.91	20.4	2.43	7	108	0.159	E
CR1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:33	11.44	8.97	28.81	20.5	2.3	8	106	0.138	SE
CR2	20190508	Cloudy	Moderate	Mid-Ebb	B	9.4	13:04	10.05	8.85	31.37	20.3	1.8	7	108	0.161	SE
CR2	20190508	Cloudy	Moderate	Mid-Ebb	B	9.4	13:04	9.73	8.32	32.53	20.3	1.9	8	108	0.186	SE
CR2	20190508	Cloudy	Moderate	Mid-Ebb	M	5.2	13:05	9.64	8.94	29.07	20.5	1.92	6	107	0.224	E
CR2	20190508	Cloudy	Moderate	Mid-Ebb	M	5.2	13:05	9.96	8.99	30.21	20.3	1.86	6	106	0.287	SE
CR2	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:06	10.01	8.8	28.74	20.4	2.01	5	108	0.202	SE
CR2	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:06	10.09	8.36	33.38	20.3	1.92	6	108	0.237	SE
S1	20190508	Cloudy	Moderate	Mid-Ebb	B	3.8	13:30	12.06	8.32	30.13	20.3	2.29	8	107	0.185	E
S1	20190508	Cloudy	Moderate	Mid-Ebb	B	3.8	13:30	11.93	8.55	32.23	20.4	2.29	6	107	0.18	E
S1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:31	12.14	8.42	32.4	20.3	2.21	8	107	0.288	SE
S1	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:31	11.88	8.47	27.55	20.5	2.16	7	107	0.18	SE
S2A	20190508	Cloudy	Moderate	Mid-Ebb	B	7.7	13:40	9.97	9.04	33.45	20.4	2.15	6	107	0.249	SE
S2A	20190508	Cloudy	Moderate	Mid-Ebb	B	7.7	13:40	10.02	8.33	28.82	20.3	2.09	7	107	0.281	E
S2A	20190508	Cloudy	Moderate	Mid-Ebb	M	4.4	13:41	9.64	8.93	31.55	20.4	2.21	6	106	0.256	SE
S2A	20190508	Cloudy	Moderate	Mid-Ebb	M	4.4	13:41	9.36	9.01	27.92	20.4	2.18	6	106	0.22	E
S2A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:42	9.49	8.69	30.72	20.3	2.11	7	106	0.226	SE
S2A	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:42	9.47	8.88	31.98	20.3	2.14	7	107	0.236	SE
S3	20190508	Cloudy	Moderate	Mid-Ebb	B	6.9	13:17	10.8	8.72	29.12	20.5	3.57	7	106	0.29	SE
S3	20190508	Cloudy	Moderate	Mid-Ebb	B	6.9	13:17	10.71	8.93	31.91	20.4	3.39	8	106	0.2	E
S3	20190508	Cloudy	Moderate	Mid-Ebb	M	4	13:18	10.6	8.61	32.93	20.4	3.46	7	106	0.28	SE

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Location	Date	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	Direction in NESW
S3	20190508	Cloudy	Moderate	Mid-Ebb	M	4	13:18	10.96	8.82	29.2	20.5	3.33	6	107	0.202	E
S3	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:19	10.69	8.94	32.06	20.4	3.37	7	107	0.171	E
S3	20190508	Cloudy	Moderate	Mid-Ebb	S	1	13:19	10.96	9.02	31.48	20.4	3.26	7	106	0.246	SE
B1	20190510	Cloudy	Moderate	Mid-Flood	B	5	10:29	12.35	8.4	30.04	21.5	1.56	4	106	0.161	SW
B1	20190510	Cloudy	Moderate	Mid-Flood	B	5	10:29	10.84	8.75	30.01	21.6	1.67	5	105	0.135	SW
B1	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:30	11.34	8.62	30.06	21.5	1.6	4	106	0.213	W
B1	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:30	13.22	8.66	31.94	21.4	1.77	3	106	0.209	W
B2	20190510	Cloudy	Moderate	Mid-Flood	B	4.4	10:50	11.54	8.46	32.08	21.5	2.1	4	106	0.142	W
B2	20190510	Cloudy	Moderate	Mid-Flood	B	4.4	10:50	10.31	8.51	31.02	21.5	2.3	4	106	0.219	W
B2	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:51	13.41	8.4	29.65	21.5	2.24	4	106	0.239	W
B2	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:51	13.21	8.92	31.36	21.4	2.13	3	106	0.18	W
B3	20190510	Cloudy	Moderate	Mid-Flood	B	5.2	10:03	10.67	8.44	29.96	21.4	2.57	6	105	0.229	NW
B3	20190510	Cloudy	Moderate	Mid-Flood	B	5.2	10:03	11.81	8.69	31.31	21.6	2.71	7	105	0.129	W
B3	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:04	12.88	8.63	30.53	21.5	2.81	7	106	0.196	W
B3	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:04	11.28	8.9	29.57	21.4	2.93	8	105	0.201	NW
B4	20190510	Cloudy	Moderate	Mid-Flood	B	4.6	10:12	10.75	8.67	31.4	21.6	2.52	8	106	0.128	NW
B4	20190510	Cloudy	Moderate	Mid-Flood	B	4.6	10:12	13.08	8.73	33.35	21.4	2.68	7	106	0.127	NW
B4	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:13	12.8	8.96	32.47	21.5	2.55	3	106	0.214	NW
B4	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:13	13.08	8.35	32.77	21.5	2.39	4	106	0.175	NW
C1A	20190510	Cloudy	Moderate	Mid-Flood	B	9.3	9:42	10.58	8.62	28.16	21.5	2.5	7	105	0.232	SW
C1A	20190510	Cloudy	Moderate	Mid-Flood	B	9.3	9:42	13.89	8.59	27.92	21.5	2.7	8	106	0.197	W
C1A	20190510	Cloudy	Moderate	Mid-Flood	M	5.2	9:43	13.42	8.59	32.09	21.6	2.89	5	105	0.242	W
C1A	20190510	Cloudy	Moderate	Mid-Flood	M	5.2	9:43	11.43	8.68	27.64	21.4	3.08	6	105	0.23	W
C1A	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:44	13.38	8.95	31.13	21.5	2.91	5	105	0.221	SW
C1A	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:44	10.27	8.8	33.17	21.4	3.04	6	105	0.22	W
C2A	20190510	Cloudy	Moderate	Mid-Flood	B	7.3	9:09	13.67	8.36	28.58	21.4	2.34	4	104	0.183	SW
C2A	20190510	Cloudy	Moderate	Mid-Flood	B	7.3	9:09	11.32	8.54	29.15	21.4	2.41	3	105	0.23	W
C2A	20190510	Cloudy	Moderate	Mid-Flood	M	4.2	9:10	12.22	8.32	33.2	21.6	2.46	3	106	0.166	W
C2A	20190510	Cloudy	Moderate	Mid-Flood	M	4.2	9:10	10.82	8.41	31.1	21.6	2.56	3	104	0.186	W
C2A	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:11	13.89	8.91	29.14	21.5	2.37	3	104	0.239	SW
C2A	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:11	11.87	8.42	31.69	21.4	2.2	4	104	0.122	W

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Location	Date	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	Direction in NESW
F1A	20190510	Cloudy	Moderate	Mid-Flood	B	7.5	10:41	12.55	8.35	27.91	21.4	2.07	6	104	0.21	SW
F1A	20190510	Cloudy	Moderate	Mid-Flood	B	7.5	10:41	10.22	8.39	29.68	21.5	1.88	5	104	0.173	NW
F1A	20190510	Cloudy	Moderate	Mid-Flood	M	4.3	10:42	10.66	8.96	28.39	21.5	2.02	4	104	0.176	W
F1A	20190510	Cloudy	Moderate	Mid-Flood	M	4.3	10:42	11.73	8.74	29.45	21.4	2.03	5	105	0.166	W
F1A	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:43	10.93	8.63	31.17	21.6	2.13	4	105	0.157	W
F1A	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:43	10.86	8.75	31.25	21.5	2.1	5	104	0.159	W
H1	20190510	Cloudy	Moderate	Mid-Flood	B	7.4	9:50	12.41	8.58	30.03	21.5	2.9	5	106	0.145	W
H1	20190510	Cloudy	Moderate	Mid-Flood	B	7.4	9:50	12.41	8.42	32.11	21.5	2.82	4	106	0.184	W
H1	20190510	Cloudy	Moderate	Mid-Flood	M	4.2	9:51	11.08	8.62	28.21	21.6	2.62	6	104	0.176	W
H1	20190510	Cloudy	Moderate	Mid-Flood	M	4.2	9:51	12.71	8.31	28.36	21.5	2.77	7	105	0.176	W
H1	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:52	10.65	8.33	29.63	21.4	2.82	7	106	0.13	W
H1	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:52	10.24	8.47	30.23	21.4	2.7	8	107	0.177	W
M1	20190510	Cloudy	Moderate	Mid-Flood	B	9.3	11:13	12.85	8.78	33.08	21.6	2.72	4	106	0.197	NW
M1	20190510	Cloudy	Moderate	Mid-Flood	B	9.3	11:13	10.52	8.47	30.46	21.5	2.72	3	106	0.235	SW
M1	20190510	Cloudy	Moderate	Mid-Flood	M	5.2	11:14	12.96	8.41	32.89	21.5	2.68	4	105	0.16	NW
M1	20190510	Cloudy	Moderate	Mid-Flood	M	5.2	11:14	10.61	8.74	29.52	21.4	2.52	4	104	0.158	W
M1	20190510	Cloudy	Moderate	Mid-Flood	S	1	11:15	12.74	8.32	32.87	21.4	2.64	3	105	0.17	W
M1	20190510	Cloudy	Moderate	Mid-Flood	S	1	11:15	13.12	8.46	29.45	21.5	2.49	4	104	0.173	W
CR1	20190510	Cloudy	Moderate	Mid-Flood	B	12.1	9:23	12.16	8.36	27.93	21.4	2.41	4	106	0.21	SW
CR1	20190510	Cloudy	Moderate	Mid-Flood	B	12.1	9:23	11.24	8.98	29.5	21.6	2.34	4	105	0.221	SW
CR1	20190510	Cloudy	Moderate	Mid-Flood	M	6.6	9:24	11.25	8.49	32.83	21.6	2.41	6	104	0.132	W
CR1	20190510	Cloudy	Moderate	Mid-Flood	M	6.6	9:24	13.48	8.38	29.09	21.5	2.59	7	104	0.183	W
CR1	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:25	12	8.52	33.26	21.4	2.72	6	105	0.214	NW
CR1	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:25	12.21	8.43	27.29	21.4	2.62	4	105	0.174	NW
CR2	20190510	Cloudy	Moderate	Mid-Flood	B	10.6	9:33	13.61	8.32	31.76	21.5	2.13	4	104	0.198	W
CR2	20190510	Cloudy	Moderate	Mid-Flood	B	10.6	9:33	11.2	8.82	30.67	21.4	2.32	4	104	0.235	W
CR2	20190510	Cloudy	Moderate	Mid-Flood	M	5.8	9:34	12.21	8.66	31.66	21.6	2.18	4	105	0.234	W
CR2	20190510	Cloudy	Moderate	Mid-Flood	M	5.8	9:34	10.5	8.58	28.1	21.4	2	4	104	0.196	W
CR2	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:35	11.93	8.71	32.59	21.5	2.1	2	105	0.219	W
CR2	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:35	10.24	8.94	32	21.4	1.94	3	104	0.239	W
S1	20190510	Cloudy	Moderate	Mid-Flood	B	4.8	10:40	12.19	9.04	31.4	21.4	2.45	4	104	0.205	NW

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Location	Date	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	Direction in NESW
S1	20190510	Cloudy	Moderate	Mid-Flood	B	4.8	10:40	13.29	8.62	33.16	21.6	2.61	3	104	0.178	SW
S1	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:41	12.52	8.49	27.31	21.5	2.61	4	104	0.173	SW
S1	20190510	Cloudy	Moderate	Mid-Flood	S	1	10:41	12.92	8.68	31.49	21.5	2.47	4	104	0.126	SW
S2A	20190510	Cloudy	Moderate	Mid-Flood	B	8.9	11:06	11.4	8.49	28.61	21.5	2.35	4	104	0.125	SW
S2A	20190510	Cloudy	Moderate	Mid-Flood	B	8.9	11:06	10.53	8.92	30.77	21.6	2.35	4	104	0.225	SW
S2A	20190510	Cloudy	Moderate	Mid-Flood	M	5	11:07	11.95	8.4	30.31	21.4	2.49	4	104	0.192	W
S2A	20190510	Cloudy	Moderate	Mid-Flood	M	5	11:07	12.46	8.59	32.66	21.5	2.55	3	104	0.142	SW
S2A	20190510	Cloudy	Moderate	Mid-Flood	S	1	11:08	13.04	8.74	28.78	21.5	2.43	4	104	0.232	W
S2A	20190510	Cloudy	Moderate	Mid-Flood	S	1	11:08	11.01	9.02	31.55	21.6	2.61	4	104	0.206	NW
S3	20190510	Cloudy	Moderate	Mid-Flood	B	7.2	9:40	11.97	8.82	32.52	21.5	1.92	5	104	0.158	W
S3	20190510	Cloudy	Moderate	Mid-Flood	B	7.2	9:40	12.29	9	28.42	21.5	1.81	6	104	0.184	SW
S3	20190510	Cloudy	Moderate	Mid-Flood	M	4.1	9:41	13.52	8.57	30.83	21.6	1.75	4	105	0.234	W
S3	20190510	Cloudy	Moderate	Mid-Flood	M	4.1	9:41	11.5	8.32	31.23	21.4	1.67	5	103	0.193	SW
S3	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:42	13.5	8.76	29.36	21.5	1.79	5	104	0.138	W
S3	20190510	Cloudy	Moderate	Mid-Flood	S	1	9:42	11.48	8.95	28.88	21.5	1.65	6	104	0.234	W
B1	20190510	Cloudy	Moderate	Mid-Ebb	B	5	14:30	10.85	8.66	30.1	22.9	1.86	<2	106	0.176	SE
B1	20190510	Cloudy	Moderate	Mid-Ebb	B	5	14:30	12.87	8.79	30.03	23.1	1.75	<2	106	0.136	S
B1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:31	11.56	8.9	31.57	23	1.94	3	106	0.121	SE
B1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:31	12.65	8.82	27.75	23	1.77	4	106	0.135	S
B2	20190510	Cloudy	Moderate	Mid-Ebb	B	4.5	14:51	11.77	8.3	33.16	23	1.62	2	105	0.169	SE
B2	20190510	Cloudy	Moderate	Mid-Ebb	B	4.5	14:51	13.81	8.69	28.56	23	1.45	3	105	0.129	SE
B2	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:52	12.12	8.33	27.68	22.9	1.45	2	105	0.079	S
B2	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:52	10.71	8.81	31.03	23	1.44	<2	105	0.173	E
B3	20190510	Cloudy	Moderate	Mid-Ebb	B	3.9	14:49	12.19	8.63	28.06	23	1.74	5	104	0.143	SE
B3	20190510	Cloudy	Moderate	Mid-Ebb	B	3.9	14:49	12.94	8.73	31.84	23	1.65	5	106	0.15	SE
B3	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:50	11.79	8.74	32.51	23.1	1.62	<2	104	0.128	SE
B3	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:50	13.42	8.35	30.27	23	1.66	3	106	0.082	E
B4	20190510	Cloudy	Moderate	Mid-Ebb	B	5	15:01	13.71	8.84	32.72	22.9	2.21	3	106	0.177	SE
B4	20190510	Cloudy	Moderate	Mid-Ebb	B	5	15:01	13.91	8.81	28.58	22.9	2.16	4	104	0.181	E
B4	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:02	13.85	8.86	29.55	23	2.33	4	106	0.076	SE
B4	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:02	11.75	8.81	32.86	22.9	2.41	3	106	0.126	S

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Location	Date	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	Direction in NESW
C1A	20190510	Cloudy	Moderate	Mid-Ebb	B	10	14:07	10.71	8.77	33.09	23	2.19	4	104	0.178	S
C1A	20190510	Cloudy	Moderate	Mid-Ebb	B	10	14:07	12.74	8.62	29.88	23	2	3	104	0.123	SE
C1A	20190510	Cloudy	Moderate	Mid-Ebb	M	5.5	14:08	11.46	8.31	29.56	23.1	1.9	5	106	0.128	SE
C1A	20190510	Cloudy	Moderate	Mid-Ebb	M	5.5	14:08	11.69	8.95	29.98	23	2.01	5	106	0.173	S
C1A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:09	12.93	8.4	28.85	23	1.88	4	105	0.125	E
C1A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:09	10.32	8.56	27.73	23.1	2.01	5	106	0.101	SE
C2A	20190510	Cloudy	Moderate	Mid-Ebb	B	7.4	14:15	11.87	8.5	29.73	22.9	2.71	4	103	0.081	S
C2A	20190510	Cloudy	Moderate	Mid-Ebb	B	7.4	14:15	11.83	8.32	27.62	23.1	2.59	5	104	0.121	SE
C2A	20190510	Cloudy	Moderate	Mid-Ebb	M	4.2	14:16	13.49	8.43	29.52	22.9	2.59	4	104	0.112	S
C2A	20190510	Cloudy	Moderate	Mid-Ebb	M	4.2	14:16	12.21	8.84	32.62	23.1	2.55	3	104	0.173	S
C2A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:17	10.14	8.95	28.76	22.9	2.64	5	103	0.148	SE
C2A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:17	12.11	8.77	28.49	23	2.61	4	104	0.093	S
F1A	20190510	Cloudy	Moderate	Mid-Ebb	B	6.2	15:30	13.84	8.66	32.77	23	2.45	3	106	0.14	SE
F1A	20190510	Cloudy	Moderate	Mid-Ebb	B	6.2	15:30	12.46	8.9	28.43	22.9	2.63	<2	105	0.145	SE
F1A	20190510	Cloudy	Moderate	Mid-Ebb	M	3.6	15:31	11.02	8.84	30.34	23.1	2.66	4	104	0.137	SE
F1A	20190510	Cloudy	Moderate	Mid-Ebb	M	3.6	15:31	12.45	9.03	29.12	23	2.55	3	104	0.129	S
F1A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:32	12.93	8.51	28.36	23.1	2.49	3	105	0.16	E
F1A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:32	13.01	8.35	31	22.9	2.63	4	106	0.103	SE
H1	20190510	Cloudy	Moderate	Mid-Ebb	B	7.2	14:33	11.32	8.85	28.88	23	2.18	3	105	0.18	SE
H1	20190510	Cloudy	Moderate	Mid-Ebb	B	7.2	14:33	13.86	8.78	27.68	23	2.01	4	105	0.171	SE
H1	20190510	Cloudy	Moderate	Mid-Ebb	M	4.1	14:34	12.31	8.4	31.47	23	1.87	5	104	0.142	SE
H1	20190510	Cloudy	Moderate	Mid-Ebb	M	4.1	14:34	10.36	8.4	27.29	23	1.9	5	106	0.1	SE
H1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:35	11.17	8.36	31.13	23	1.89	4	105	0.123	S
H1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:35	10.4	8.33	28.77	23.1	1.82	2	105	0.177	SE
M1	20190510	Cloudy	Moderate	Mid-Ebb	B	7.8	16:04	11.88	8.79	31.76	22.9	2.67	5	104	0.095	SE
M1	20190510	Cloudy	Moderate	Mid-Ebb	B	7.8	16:04	11.96	8.43	27.55	23.1	2.56	4	105	0.101	S
M1	20190510	Cloudy	Moderate	Mid-Ebb	M	4.4	16:05	11.65	8.32	27.96	23.1	2.62	3	106	0.108	S
M1	20190510	Cloudy	Moderate	Mid-Ebb	M	4.4	16:05	12.84	8.36	30.14	23	2.7	3	105	0.155	SE
M1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	16:06	10.68	8.58	30.48	23	2.7	4	107	0.145	SE
M1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	16:06	10.96	8.38	30.43	23	2.52	3	104	0.096	S
CR1	20190510	Cloudy	Moderate	Mid-Ebb	B	10.6	15:44	12.24	8.41	31.63	23	1.81	4	105	0.165	S



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Location	Date	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	Direction in NESW
CR1	20190510	Cloudy	Moderate	Mid-Ebb	B	10.6	15:44	10.65	8.77	29.03	22.9	2.01	4	104	0.093	S
CR1	20190510	Cloudy	Moderate	Mid-Ebb	M	5.8	15:45	12.23	8.98	31.36	23	2.17	5	106	0.164	E
CR1	20190510	Cloudy	Moderate	Mid-Ebb	M	5.8	15:45	13.86	8.54	28.96	23	2	5	104	0.17	S
CR1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:46	12.92	8.73	29.22	22.9	2.07	4	105	0.089	SE
CR1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:46	11.49	8.58	28.85	23.1	2.07	4	105	0.145	SE
CR2	20190510	Cloudy	Moderate	Mid-Ebb	B	9.8	15:21	12.96	8.72	32.58	23	1.91	3	105	0.137	S
CR2	20190510	Cloudy	Moderate	Mid-Ebb	B	9.8	15:21	12.05	8.32	28.97	22.9	1.91	4	104	0.174	S
CR2	20190510	Cloudy	Moderate	Mid-Ebb	M	5.4	15:22	12.54	8.97	29.76	23.1	1.91	4	104	0.161	SE
CR2	20190510	Cloudy	Moderate	Mid-Ebb	M	5.4	15:22	12.32	8.88	29.23	23	2.07	3	103	0.094	S
CR2	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:23	13.26	8.65	32.94	23	1.9	4	104	0.093	SE
CR2	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:23	10.21	8.84	32.49	23	1.84	3	104	0.112	SE
S1	20190510	Cloudy	Moderate	Mid-Ebb	B	4.5	14:41	11.2	8.42	28.56	23.1	2.55	5	104	0.148	SE
S1	20190510	Cloudy	Moderate	Mid-Ebb	B	4.5	14:41	10.64	8.34	31.49	22.9	2.63	4	103	0.094	S
S1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:42	12.46	8.81	31.16	23.1	2.43	3	106	0.077	S
S1	20190510	Cloudy	Moderate	Mid-Ebb	S	1	14:42	10.42	8.8	31.42	23	2.45	3	106	0.177	S
S2A	20190510	Cloudy	Moderate	Mid-Ebb	B	7.8	15:07	12.45	8.66	32.54	23.1	2.08	4	106	0.173	SE
S2A	20190510	Cloudy	Moderate	Mid-Ebb	B	7.8	15:07	13.38	8.72	32.24	22.9	2.1	3	105	0.18	S
S2A	20190510	Cloudy	Moderate	Mid-Ebb	M	4.4	15:08	13.64	8.95	29.52	23.1	2.28	3	104	0.104	SE
S2A	20190510	Cloudy	Moderate	Mid-Ebb	M	4.4	15:08	11.39	8.42	27.77	23	2.19	<2	104	0.166	S
S2A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:09	13.87	8.51	27.89	23	2.19	4	104	0.15	S
S2A	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:09	11.31	8.83	29.45	23.1	2.27	4	104	0.106	S
S3	20190510	Cloudy	Moderate	Mid-Ebb	B	7	15:31	13.48	8.9	27.99	23	2.37	3	105	0.169	SE
S3	20190510	Cloudy	Moderate	Mid-Ebb	B	7	15:31	11.7	9.02	29.86	23	2.44	2	104	0.122	SE
S3	20190510	Cloudy	Moderate	Mid-Ebb	M	4	15:32	11.1	9.01	29.12	22.9	2.51	2	104	0.078	E
S3	20190510	Cloudy	Moderate	Mid-Ebb	M	4	15:32	13.83	8.38	27.97	22.9	2.6	4	105	0.136	SE
S3	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:33	11.94	8.43	27.71	23.1	2.52	3	104	0.18	E
S3	20190510	Cloudy	Moderate	Mid-Ebb	S	1	15:33	10.48	8.97	29.97	23.1	2.63	4	105	0.077	S
B1	20190514	Sunny	Light	Mid-Flood	B	4.8	13:17	10.22	8.4	32.94	27.3	2.6	4	104	0.172	W
B1	20190514	Sunny	Light	Mid-Flood	B	4.8	13:17	10.3	8.45	32.06	27.3	2.28	3	106	0.163	W
B1	20190514	Sunny	Light	Mid-Flood	S	1	13:18	10.64	8.66	32.29	27.3	2.32	7	103	0.138	W
B1	20190514	Sunny	Light	Mid-Flood	S	1	13:18	12.2	8.3	27.34	27.3	2.46	7	105	0.136	W

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Location	Date	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	Direction in NESW
B2	20190514	Sunny	Light	Mid-Flood	B	4.6	13:38	9.59	8.96	32.34	27.3	1.58	4	106	0.175	SW
B2	20190514	Sunny	Light	Mid-Flood	B	4.6	13:38	13.58	8.87	32.05	27.3	1.73	3	105	0.142	W
B2	20190514	Sunny	Light	Mid-Flood	S	1	13:39	13.59	8.69	27.43	27.2	2.34	6	105	0.158	SW
B2	20190514	Sunny	Light	Mid-Flood	S	1	13:39	12.27	9.03	29.24	27.2	2.62	5	107	0.181	W
B3	20190514	Sunny	Light	Mid-Flood	B	4.3	13:23	11.09	8.44	31.41	27.3	2	7	104	0.169	W
B3	20190514	Sunny	Light	Mid-Flood	B	4.3	13:23	9.52	9.03	32.54	27.2	2.14	8	105	0.129	W
B3	20190514	Sunny	Light	Mid-Flood	S	1	13:24	9.2	8.93	30.91	27.2	2.77	8	106	0.157	W
B3	20190514	Sunny	Light	Mid-Flood	S	1	13:24	12.45	8.68	28.35	27.2	2.72	8	105	0.165	W
B4	20190514	Sunny	Light	Mid-Flood	B	4.7	13:32	10.87	8.5	33.31	27.3	2.3	7	104	0.161	W
B4	20190514	Sunny	Light	Mid-Flood	B	4.7	13:32	13.64	8.57	31.91	27.3	2.59	8	104	0.152	W
B4	20190514	Sunny	Light	Mid-Flood	S	1	13:33	9.63	9.03	28.44	27.3	3.08	8	105	0.14	W
B4	20190514	Sunny	Light	Mid-Flood	S	1	13:33	11.02	8.33	28.01	27.2	2.76	8	104	0.179	W
C1A	20190514	Sunny	Light	Mid-Flood	B	10.3	12:52	13.78	8.44	27.43	27.2	1.82	3	104	0.176	W
C1A	20190514	Sunny	Light	Mid-Flood	B	10.3	12:52	11.61	8.57	28.62	27.3	1.59	3	105	0.136	W
C1A	20190514	Sunny	Light	Mid-Flood	M	5.7	12:53	10.07	8.91	28.18	27.3	1.73	3	105	0.181	SW
C1A	20190514	Sunny	Light	Mid-Flood	M	5.7	12:53	11.11	8.66	31.75	27.2	1.8	3	105	0.17	W
C1A	20190514	Sunny	Light	Mid-Flood	S	1	12:54	9.14	8.87	29.09	27.3	1.8	3	104	0.164	W
C1A	20190514	Sunny	Light	Mid-Flood	S	1	12:54	11.15	8.81	31.04	27.2	1.71	4	104	0.136	W
C2A	20190514	Sunny	Light	Mid-Flood	B	10	12:52	9.32	8.86	31.67	27.3	2.84	3	106	0.13	W
C2A	20190514	Sunny	Light	Mid-Flood	B	10	12:52	9.49	8.95	31.64	27.2	2.32	4	107	0.179	W
C2A	20190514	Sunny	Light	Mid-Flood	M	5.5	12:53	13.41	8.8	33.37	27.2	3.06	3	105	0.147	W
C2A	20190514	Sunny	Light	Mid-Flood	M	5.5	12:53	13.72	8.37	28.52	27.3	2.65	4	104	0.171	W
C2A	20190514	Sunny	Light	Mid-Flood	S	1	12:54	10.08	8.65	27.52	27.3	2.84	2	105	0.136	W
C2A	20190514	Sunny	Light	Mid-Flood	S	1	12:54	12.03	8.88	31.31	27.2	2.31	3	105	0.177	SW
F1A	20190514	Sunny	Light	Mid-Flood	B	7.3	14:02	9.86	8.66	31.37	27.2	2.63	3	105	0.18	W
F1A	20190514	Sunny	Light	Mid-Flood	B	7.3	14:02	10.94	8.82	31.93	27.2	2.55	3	105	0.144	W
F1A	20190514	Sunny	Light	Mid-Flood	M	4.2	14:03	10.64	8.49	30.56	27.3	1.99	3	105	0.176	W
F1A	20190514	Sunny	Light	Mid-Flood	M	4.2	14:03	10.95	8.71	29.29	27.2	2.27	3	105	0.16	W
F1A	20190514	Sunny	Light	Mid-Flood	S	1	14:04	10.65	8.83	27.71	27.3	2	4	106	0.158	W
F1A	20190514	Sunny	Light	Mid-Flood	S	1	14:04	11.21	8.33	29.67	27.3	2.25	3	106	0.158	SW
H1	20190514	Sunny	Light	Mid-Flood	B	7.4	13:09	11.55	8.7	30.51	27.2	2.54	6	105	0.141	W

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Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
H1	20190514	Sunny	Light	Mid-Flood	B	7.4	13:09	9.89	8.77	29.83	27.3	2.43	5	106	0.136	W
H1	20190514	Sunny	Light	Mid-Flood	M	4.2	13:10	11.8	8.57	28.14	27.2	2.07	6	106	0.18	W
H1	20190514	Sunny	Light	Mid-Flood	M	4.2	13:10	9.68	8.75	28.62	27.2	2.1	7	105	0.14	SW
H1	20190514	Sunny	Light	Mid-Flood	S	1	13:11	9.41	8.68	29.22	27.2	2.4	7	104	0.15	W
H1	20190514	Sunny	Light	Mid-Flood	S	1	13:11	11.65	8.66	29.82	27.2	2.67	6	106	0.182	W
M1	20190514	Sunny	Light	Mid-Flood	B	7.5	14:42	10.64	8.5	30.88	27.3	2.34	3	105	0.157	W
M1	20190514	Sunny	Light	Mid-Flood	B	7.5	14:42	9.96	8.93	31.78	27.2	1.64	4	104	0.166	NW
M1	20190514	Sunny	Light	Mid-Flood	M	4.3	14:43	12.92	8.63	32.55	27.3	1.81	3	105	0.177	W
M1	20190514	Sunny	Light	Mid-Flood	M	4.3	14:43	9.03	8.96	29.15	27.3	2.84	4	105	0.148	SW
M1	20190514	Sunny	Light	Mid-Flood	S	1	14:44	13.36	8.51	29.03	27.3	2.82	3	105	0.163	W
M1	20190514	Sunny	Light	Mid-Flood	S	1	14:44	11.3	8.78	31.57	27.2	3.25	4	105	0.149	W
CR1	20190514	Sunny	Light	Mid-Flood	B	11	14:34	12.95	8.32	28.4	27.2	1.83	4	104	0.16	W
CR1	20190514	Sunny	Light	Mid-Flood	B	11	14:34	10.89	8.79	32.73	27.3	1.81	5	106	0.147	W
CR1	20190514	Sunny	Light	Mid-Flood	M	6	14:35	12.43	9	28.93	27.3	2.9	3	105	0.181	W
CR1	20190514	Sunny	Light	Mid-Flood	M	6	14:35	11.4	8.6	31.94	27.2	2.78	2	105	0.138	W
CR1	20190514	Sunny	Light	Mid-Flood	S	1	14:36	11.99	8.42	30.52	27.2	2.69	<2	105	0.172	SW
CR1	20190514	Sunny	Light	Mid-Flood	S	1	14:36	10.44	8.86	33.31	27.3	2.6	<2	105	0.136	SW
CR2	20190514	Sunny	Light	Mid-Flood	B	9.7	14:09	10.98	9	28.16	27.2	2.41	4	104	0.152	NW
CR2	20190514	Sunny	Light	Mid-Flood	B	9.7	14:09	11.77	8.55	32.02	27.3	2.16	4	105	0.182	W
CR2	20190514	Sunny	Light	Mid-Flood	M	5.4	14:10	12.15	8.55	31.35	27.3	2.37	4	105	0.159	SW
CR2	20190514	Sunny	Light	Mid-Flood	M	5.4	14:10	12.97	8.7	31.02	27.3	2.13	3	104	0.131	SW
CR2	20190514	Sunny	Light	Mid-Flood	S	1	14:11	11.89	8.58	32.39	27.3	2.82	3	105	0.182	SW
CR2	20190514	Sunny	Light	Mid-Flood	S	1	14:11	8.99	8.61	31.85	27.2	2.61	4	104	0.171	SW
S1	20190514	Sunny	Light	Mid-Flood	B	4.4	13:27	10.14	8.87	33.43	27.2	2.29	2	105	0.162	W
S1	20190514	Sunny	Light	Mid-Flood	B	4.4	13:27	12.52	8.6	28.65	27.3	2.66	3	105	0.135	SW
S1	20190514	Sunny	Light	Mid-Flood	S	1	13:28	10.5	8.9	32.76	27.2	2.71	4	105	0.162	W
S1	20190514	Sunny	Light	Mid-Flood	S	1	13:28	11.6	8.52	31.17	27.2	3.02	3	106	0.152	W
S2A	20190514	Sunny	Light	Mid-Flood	B	8	13:55	9.86	9.01	30.71	27.2	1.79	4	104	0.143	W
S2A	20190514	Sunny	Light	Mid-Flood	B	8	13:55	10.27	8.51	32.41	27.2	1.95	4	105	0.173	W
S2A	20190514	Sunny	Light	Mid-Flood	M	4.5	13:56	11.32	8.53	32.88	27.3	1.8	2	104	0.171	W
S2A	20190514	Sunny	Light	Mid-Flood	M	4.5	13:56	12.87	8.62	29.12	27.3	2.17	3	106	0.168	W

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Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
S2A	20190514	Sunny	Light	Mid-Flood	S	1	13:57	9.37	9	32.01	27.3	3.19	2	105	0.144	SW
S2A	20190514	Sunny	Light	Mid-Flood	S	1	13:57	10.43	8.82	32.99	27.2	2.72	2	106	0.149	W
S2A	20190514	Sunny	Light	Mid-Flood	B	8.5	14:20	11.81	8.33	30.92	27.3	3.04	4	106	0.139	W
S3	20190514	Sunny	Light	Mid-Flood	B	8.5	14:20	10.22	8.43	29.54	27.3	2.43	3	105	0.175	W
S3	20190514	Sunny	Light	Mid-Flood	M	4.8	14:21	10.73	8.97	31.78	27.2	2.74	3	105	0.172	W
S3	20190514	Sunny	Light	Mid-Flood	M	4.8	14:21	11.27	8.47	31.1	27.3	2.37	2	106	0.177	W
S3	20190514	Sunny	Light	Mid-Flood	S	1	14:22	13.25	8.62	32.55	27.3	2.91	4	106	0.128	W
S3	20190514	Sunny	Light	Mid-Flood	S	1	14:22	12.72	8.7	28.23	27.3	2.85	4	105	0.148	SW
B1	20190514	Sunny	Light	Mid-Ebb	B	4.3	17:15	12.24	8.41	28.94	26.4	1.57	4	105	0.136	SE
B1	20190514	Sunny	Light	Mid-Ebb	B	4.3	17:15	12.22	8.98	33.06	26.4	1.3	5	107	0.101	S
B1	20190514	Sunny	Light	Mid-Ebb	S	1	17:16	12.22	8.47	31.74	26.4	2.35	5	105	0.127	SE
B1	20190514	Sunny	Light	Mid-Ebb	S	1	17:16	12.14	8.83	33.22	26.4	2.78	4	106	0.111	S
B2	20190514	Sunny	Light	Mid-Ebb	B	4.9	17:35	12.85	8.5	33.18	26.4	1.78	3	106	0.137	SE
B2	20190514	Sunny	Light	Mid-Ebb	B	4.9	17:35	13.67	8.34	30.78	26.5	1.96	3	104	0.132	SE
B2	20190514	Sunny	Light	Mid-Ebb	S	1	17:36	11.68	9.03	31.24	26.5	2.13	4	105	0.101	SE
B2	20190514	Sunny	Light	Mid-Ebb	S	1	17:36	9.15	8.35	29.65	26.5	2.08	3	105	0.119	SE
B3	20190514	Sunny	Light	Mid-Ebb	B	4.7	17:22	10.77	8.57	29.8	26.4	1.54	2	105	0.143	SE
B3	20190514	Sunny	Light	Mid-Ebb	B	4.7	17:22	9.65	8.82	31.82	26.4	1.92	3	105	0.152	E
B3	20190514	Sunny	Light	Mid-Ebb	S	1	17:23	11.35	8.33	32.32	26.5	2.66	4	105	0.113	SE
B3	20190514	Sunny	Light	Mid-Ebb	S	1	17:23	11.23	8.89	29.98	26.5	2.81	3	105	0.098	E
B4	20190514	Sunny	Light	Mid-Ebb	B	4.9	17:32	11.18	8.51	28.75	26.4	1.91	4	104	0.1	SE
B4	20190514	Sunny	Light	Mid-Ebb	B	4.9	17:32	13.07	8.94	30.92	26.5	1.9	4	105	0.102	SE
B4	20190514	Sunny	Light	Mid-Ebb	S	1	17:33	9.11	8.53	27.58	26.5	2.65	3	105	0.124	SE
B4	20190514	Sunny	Light	Mid-Ebb	S	1	17:33	13.27	8.98	31.36	26.4	2.23	3	105	0.123	S
C1A	20190514	Sunny	Light	Mid-Ebb	B	9.1	16:51	9.28	8.48	31.21	26.4	2.15	4	105	0.143	SE
C1A	20190514	Sunny	Light	Mid-Ebb	B	9.1	16:51	10.11	9	28.29	26.5	2.32	5	105	0.147	SE
C1A	20190514	Sunny	Light	Mid-Ebb	M	5.1	16:52	9.71	8.93	29.97	26.4	2.34	6	105	0.117	S
C1A	20190514	Sunny	Light	Mid-Ebb	M	5.1	16:52	11.42	8.6	32.86	26.5	1.95	7	106	0.15	S
C1A	20190514	Sunny	Light	Mid-Ebb	S	1	16:53	12.34	8.56	31.97	26.5	2.7	3	104	0.112	SE
C1A	20190514	Sunny	Light	Mid-Ebb	S	1	16:53	13.06	8.76	28.24	26.5	2.22	3	104	0.123	S
C2A	20190514	Sunny	Light	Mid-Ebb	B	11.3	16:51	11.92	8.49	27.7	26.5	1.63	4	106	0.139	SE

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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
C2A	20190514	Sunny	Light	Mid-Ebb	B	11.3	16:51	9.65	8.53	31.43	26.4	1.53	4	105	0.109	E
C2A	20190514	Sunny	Light	Mid-Ebb	M	6.2	16:52	10.65	8.96	30.5	26.5	1.62	3	105	0.098	SE
C2A	20190514	Sunny	Light	Mid-Ebb	M	6.2	16:52	9.59	8.94	31.28	26.5	1.8	4	106	0.145	S
C2A	20190514	Sunny	Light	Mid-Ebb	S	1	16:53	9.46	8.82	28.98	26.4	3.22	4	104	0.106	SE
C2A	20190514	Sunny	Light	Mid-Ebb	S	1	16:53	11.64	8.86	29.05	26.5	3.07	5	104	0.124	SE
F1A	20190514	Sunny	Light	Mid-Ebb	B	8.2	18:09	12.45	8.74	30.19	26.4	2.61	2	105	0.098	S
F1A	20190514	Sunny	Light	Mid-Ebb	B	8.2	18:09	11.58	8.61	29.57	26.5	2.57	3	106	0.149	SE
F1A	20190514	Sunny	Light	Mid-Ebb	M	4.6	18:10	10.72	8.95	31.16	26.5	2.93	3	103	0.147	E
F1A	20190514	Sunny	Light	Mid-Ebb	M	4.6	18:10	13.35	8.58	28.36	26.4	3.13	3	104	0.144	SE
F1A	20190514	Sunny	Light	Mid-Ebb	S	1	18:11	11.31	8.58	27.85	26.4	2.56	3	105	0.097	E
F1A	20190514	Sunny	Light	Mid-Ebb	S	1	18:11	13.65	8.33	32.86	26.5	2.91	3	105	0.133	SE
H1	20190514	Sunny	Light	Mid-Ebb	B	7	17:12	11.61	8.36	30.03	26.4	2.51	4	105	0.107	S
H1	20190514	Sunny	Light	Mid-Ebb	B	7	17:12	12.43	8.54	31.66	26.5	2.55	4	105	0.119	SE
H1	20190514	Sunny	Light	Mid-Ebb	M	4	17:13	9.12	8.88	27.71	26.5	2.16	5	105	0.106	E
H1	20190514	Sunny	Light	Mid-Ebb	M	4	17:13	11.27	8.87	30.76	26.5	2.28	4	105	0.147	E
H1	20190514	Sunny	Light	Mid-Ebb	S	1	17:14	9.06	8.72	31.02	26.4	2.03	4	106	0.115	SE
H1	20190514	Sunny	Light	Mid-Ebb	S	1	17:14	13.11	8.69	31.88	26.5	2.24	3	105	0.135	SE
M1	20190514	Sunny	Light	Mid-Ebb	B	7.9	18:31	11.37	8.66	27.94	26.4	1.12	2	106	0.117	SE
M1	20190514	Sunny	Light	Mid-Ebb	B	7.9	18:31	10.17	8.49	29.45	26.5	1.44	3	104	0.139	SE
M1	20190514	Sunny	Light	Mid-Ebb	M	4.5	18:32	11.35	8.53	28.57	26.5	2.35	2	105	0.11	SE
M1	20190514	Sunny	Light	Mid-Ebb	M	4.5	18:32	13.63	8.51	27.88	26.5	2.36	2	105	0.107	E
M1	20190514	Sunny	Light	Mid-Ebb	S	1	18:33	10.47	8.63	28.94	26.5	2.07	<2	107	0.124	SE
M1	20190514	Sunny	Light	Mid-Ebb	S	1	18:33	12.96	8.59	30.41	26.5	1.73	<2	105	0.141	SE
CR1	20190514	Sunny	Light	Mid-Ebb	B	12.4	18:30	11.76	8.41	28.34	26.4	1.65	3	104	0.125	S
CR1	20190514	Sunny	Light	Mid-Ebb	B	12.4	18:30	9.54	8.33	28.87	26.5	2.09	3	105	0.117	SE
CR1	20190514	Sunny	Light	Mid-Ebb	M	6.7	18:31	10.35	8.35	31.2	26.5	2.71	3	105	0.131	S
CR1	20190514	Sunny	Light	Mid-Ebb	M	6.7	18:31	13.7	8.47	31.39	26.5	2.13	3	104	0.128	S
CR1	20190514	Sunny	Light	Mid-Ebb	S	1	18:32	10.48	8.8	32.44	26.4	2.18	4	104	0.148	SE
CR1	20190514	Sunny	Light	Mid-Ebb	S	1	18:32	10.1	8.85	28.39	26.5	2.31	3	105	0.14	SE
CR2	20190514	Sunny	Light	Mid-Ebb	B	9.9	18:08	11.57	8.31	29.25	26.5	2.22	4	105	0.139	S
CR2	20190514	Sunny	Light	Mid-Ebb	B	9.9	18:08	12.95	8.82	30.27	26.4	1.75	5	104	0.15	S
CR2	20190514	Sunny	Light	Mid-Ebb	M	5.5	18:09	13.04	8.79	31.01	26.4	1.94	4	105	0.152	S

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
CR2	20190514	Sunny	Light	Mid-Ebb	M	5.5	18:09	13.92	8.65	28.83	26.4	2.33	4	103	0.149	E
CR2	20190514	Sunny	Light	Mid-Ebb	S	1	18:10	10.59	8.33	32.41	26.5	3.01	4	104	0.108	SE
CR2	20190514	Sunny	Light	Mid-Ebb	S	1	18:10	13.53	8.41	30.73	26.5	2.69	2	104	0.152	SE
S1	20190514	Sunny	Light	Mid-Ebb	B	4	17:24	11.65	8.68	29.36	26.4	2.76	4	105	0.144	SE
S1	20190514	Sunny	Light	Mid-Ebb	B	4	17:24	11.65	8.78	28.3	26.4	2.67	3	105	0.11	S
S1	20190514	Sunny	Light	Mid-Ebb	S	1	17:25	13.57	8.88	33.08	26.4	3.02	4	105	0.14	S
S1	20190514	Sunny	Light	Mid-Ebb	S	1	17:25	10.37	8.33	32.49	26.4	2.81	3	104	0.12	SE
S2A	20190514	Sunny	Light	Mid-Ebb	B	7.8	17:54	12.3	8.38	29.19	26.5	2.58	2	105	0.131	S
S2A	20190514	Sunny	Light	Mid-Ebb	B	7.8	17:54	12.01	8.95	27.37	26.4	3	2	104	0.105	E
S2A	20190514	Sunny	Light	Mid-Ebb	M	4.4	17:55	11.55	8.41	32.13	26.4	2.51	3	106	0.096	S
S2A	20190514	Sunny	Light	Mid-Ebb	M	4.4	17:55	9.89	9.01	30.12	26.4	2.23	3	104	0.114	S
S2A	20190514	Sunny	Light	Mid-Ebb	S	1	17:56	11.65	8.62	30.38	26.5	2.68	4	106	0.132	SE
S2A	20190514	Sunny	Light	Mid-Ebb	S	1	17:56	11.26	8.56	32.43	26.5	2.76	3	104	0.107	SE
S2A	20190514	Sunny	Light	Mid-Ebb	B	9	18:18	9.93	8.37	32.82	26.5	1.83	4	105	0.102	SE
S3	20190514	Sunny	Light	Mid-Ebb	B	9	18:18	11.09	8.63	29.75	26.5	2.3	3	105	0.101	S
S3	20190514	Sunny	Light	Mid-Ebb	M	5	18:19	11.76	8.61	30.99	26.4	1.7	4	105	0.131	SE
S3	20190514	Sunny	Light	Mid-Ebb	M	5	18:19	12.5	8.62	30.04	26.5	1.94	3	105	0.097	SE
S3	20190514	Sunny	Light	Mid-Ebb	S	1	18:20	10.42	8.73	28.32	26.5	1.93	3	103	0.141	SE
S3	20190514	Sunny	Light	Mid-Ebb	S	1	18:20	11.44	8.38	29.07	26.5	2.15	4	106	0.106	SE
B1	20190516	Sunny	Moderate	Mid-Ebb	B	4.5	10:28	11.74	8.48	29.3	27.2	1.6	4	105	0.148	SE
B1	20190516	Sunny	Moderate	Mid-Ebb	B	4.5	10:28	10.9	8.93	27.66	27.1	1.79	3	105	0.131	SE
B1	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:29	11.85	8.63	33.45	27.1	1.75	5	105	0.092	SE
B1	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:29	11.45	8.43	27.3	27.4	1.63	4	104	0.125	S
B2	20190516	Sunny	Moderate	Mid-Ebb	B	4.4	10:59	11.54	8.63	31.2	27.4	2.87	2	105	0.098	E
B2	20190516	Sunny	Moderate	Mid-Ebb	B	4.4	10:59	12.86	8.64	28.52	27.4	2.79	4	104	0.079	SE
B2	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:00	10.92	8.89	33.23	27.2	2.63	3	105	0.088	SE
B2	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:00	13.55	8.7	30.29	27.3	2.58	<2	106	0.094	E
B3	20190516	Sunny	Moderate	Mid-Ebb	B	4.3	10:33	11.76	8.82	29.81	27.2	1.81	3	104	0.11	E
B3	20190516	Sunny	Moderate	Mid-Ebb	B	4.3	10:33	11.05	8.76	27.78	27.3	1.83	3	105	0.091	S
B3	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:34	12.57	8.47	28.66	27.2	1.63	2	105	0.139	SE
B3	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:34	11.35	8.72	32.7	27.2	1.59	<2	105	0.115	SE
B4	20190516	Sunny	Moderate	Mid-Ebb	B	4.1	10:44	12.26	9	31.85	27.3	2.46	2	105	0.094	S

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
B4	20190516	Sunny	Moderate	Mid-Ebb	B	4.1	10:44	10.18	8.64	31.9	27.1	2.52	2	105	0.078	SE
B4	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:45	12.01	8.89	27.28	27.2	2.34	4	105	0.126	E
B4	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:45	10.93	8.51	29.23	27.2	2.16	4	104	0.121	E
C1A	20190516	Sunny	Moderate	Mid-Ebb	B	8.8	9:56	10.51	8.36	29.52	27.1	2.14	4	105	0.134	SE
C1A	20190516	Sunny	Moderate	Mid-Ebb	B	8.8	9:56	11.62	8.57	27.7	27.3	1.96	5	103	0.084	SE
C1A	20190516	Sunny	Moderate	Mid-Ebb	M	4.9	9:57	13.58	8.84	32.23	27.1	2.01	4	104	0.145	S
C1A	20190516	Sunny	Moderate	Mid-Ebb	M	4.9	9:57	12.29	8.88	32.79	27.2	1.98	3	105	0.136	E
C1A	20190516	Sunny	Moderate	Mid-Ebb	S	1	9:58	11.87	8.82	32.47	27.2	2.06	4	105	0.134	S
C1A	20190516	Sunny	Moderate	Mid-Ebb	S	1	9:58	12.49	8.32	30.96	27.1	2.02	3	104	0.113	S
C2A	20190516	Sunny	Moderate	Mid-Ebb	B	10.8	10:00	11.14	8.53	27.58	27.3	1.68	4	103	0.096	S
C2A	20190516	Sunny	Moderate	Mid-Ebb	B	10.8	10:00	12.42	8.54	29.73	27.2	1.65	4	103	0.148	S
C2A	20190516	Sunny	Moderate	Mid-Ebb	M	5.9	10:01	12.64	8.9	27.44	27.1	1.57	2	104	0.142	SE
C2A	20190516	Sunny	Moderate	Mid-Ebb	M	5.9	10:01	13.01	8.47	29.3	27.3	1.67	3	104	0.091	E
C2A	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:02	13.27	8.32	31.02	27.1	1.6	2	104	0.124	SE
C2A	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:02	11.47	8.59	28.37	27.3	1.54	<2	104	0.076	SE
F1A	20190516	Sunny	Moderate	Mid-Ebb	B	7.4	11:12	13.54	8.36	27.8	27.2	1.74	4	104	0.09	SE
F1A	20190516	Sunny	Moderate	Mid-Ebb	B	7.4	11:12	12.1	8.43	31.62	27.1	1.59	4	104	0.133	S
F1A	20190516	Sunny	Moderate	Mid-Ebb	M	4.2	11:13	12.07	8.72	30.58	27.2	1.72	3	103	0.137	S
F1A	20190516	Sunny	Moderate	Mid-Ebb	M	4.2	11:13	11.39	8.76	30.38	27.2	1.91	4	104	0.147	S
F1A	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:14	10.65	8.38	29.86	27.2	2.08	3	103	0.103	E
F1A	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:14	10.81	8.84	32.58	27.3	1.94	3	104	0.14	SE
H1	20190516	Sunny	Moderate	Mid-Ebb	B	7.5	10:19	13.79	8.52	29.24	27.2	2.56	3	105	0.089	SE
H1	20190516	Sunny	Moderate	Mid-Ebb	B	7.5	10:19	13.04	8.47	28.92	27.1	2.38	3	105	0.104	SE
H1	20190516	Sunny	Moderate	Mid-Ebb	M	4.25	10:20	10.9	8.44	31.5	27.2	2.22	4	103	0.148	S
H1	20190516	Sunny	Moderate	Mid-Ebb	M	4.25	10:20	11.54	8.73	27.54	27.2	2.27	4	104	0.134	SE
H1	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:21	12.55	8.79	27.53	27.2	2.23	4	106	0.146	SE
H1	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:21	10.3	8.75	28.81	27.3	2.04	5	105	0.105	SE
M1	20190516	Sunny	Moderate	Mid-Ebb	B	8	11:45	13.38	8.75	31.49	27.3	2.66	5	104	0.146	S
M1	20190516	Sunny	Moderate	Mid-Ebb	B	8	11:45	11.3	8.61	29.36	27.1	2.72	5	104	0.128	SE
M1	20190516	Sunny	Moderate	Mid-Ebb	M	4.5	11:46	11.22	8.95	31.08	27.1	2.74	4	105	0.108	SE
M1	20190516	Sunny	Moderate	Mid-Ebb	M	4.5	11:46	10.29	8.81	27.41	27.2	2.8	4	104	0.139	SE
M1	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:47	10.72	8.43	30.73	27.3	3	6	104	0.09	S

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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
M1	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:47	10.59	8.65	28.66	27.2	3.04	5	104	0.078	S
CR1	20190516	Sunny	Moderate	Mid-Ebb	B	12.4	11:55	12.67	8.81	32.08	27.3	2.84	4	104	0.104	SE
CR1	20190516	Sunny	Moderate	Mid-Ebb	B	12.4	11:55	12.96	8.47	27.37	27.1	2.73	5	104	0.119	SE
CR1	20190516	Sunny	Moderate	Mid-Ebb	M	6.7	11:56	13.4	8.89	28.65	27.1	2.73	5	104	0.141	E
CR1	20190516	Sunny	Moderate	Mid-Ebb	M	6.7	11:56	13.52	8.82	31.36	27.1	2.73	6	105	0.119	SE
CR1	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:57	11.19	8.61	33.33	27.2	2.87	5	104	0.149	SE
CR1	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:57	12.93	8.62	27.3	27.2	3.03	6	104	0.143	S
CR2	20190516	Sunny	Moderate	Mid-Ebb	B	10.8	11:30	13.19	8.3	32.32	27.1	2.9	5	103	0.095	E
CR2	20190516	Sunny	Moderate	Mid-Ebb	B	10.8	11:30	12.84	8.36	30.47	27.2	2.8	6	104	0.119	S
CR2	20190516	Sunny	Moderate	Mid-Ebb	M	5.9	11:31	13.69	8.36	32.41	27.3	2.77	4	103	0.077	SE
CR2	20190516	Sunny	Moderate	Mid-Ebb	M	5.9	11:31	11.45	8.44	29.59	27.2	2.61	5	104	0.107	S
CR2	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:32	10.97	8.4	31.02	27.3	2.66	7	104	0.104	S
CR2	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:32	13.21	8.68	29.85	27.2	2.67	6	104	0.126	S
S1	20190516	Sunny	Moderate	Mid-Ebb	B	4.2	10:40	11.96	8.34	32.12	27.1	1.75	4	104	0.098	SE
S1	20190516	Sunny	Moderate	Mid-Ebb	B	4.2	10:40	12.6	8.59	31.43	27.2	1.88	3	104	0.148	S
S1	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:41	11.22	8.86	31.22	27.2	1.8	4	104	0.118	E
S1	20190516	Sunny	Moderate	Mid-Ebb	S	1	10:41	11.51	8.53	33	27.2	1.94	4	105	0.085	SE
S2A	20190516	Sunny	Moderate	Mid-Ebb	B	8.2	11:16	11.78	8.32	28	27.2	2.9	5	103	0.143	S
S2A	20190516	Sunny	Moderate	Mid-Ebb	B	8.2	11:16	12.46	8.65	31.6	27.3	3.02	6	104	0.138	S
S2A	20190516	Sunny	Moderate	Mid-Ebb	M	4.6	11:17	11.38	8.77	28.35	27.2	2.9	5	103	0.097	SE
S2A	20190516	Sunny	Moderate	Mid-Ebb	M	4.6	11:17	13	8.88	29.16	27.2	2.81	6	104	0.11	E
S2A	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:18	13.52	8.63	28.48	27.2	2.95	4	105	0.135	SE
S2A	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:18	13.55	8.32	29.83	27.2	2.9	4	103	0.127	SE
S3	20190516	Sunny	Moderate	Mid-Ebb	B	9.3	11:41	10.81	8.85	33.45	27.2	2.78	6	104	0.084	S
S3	20190516	Sunny	Moderate	Mid-Ebb	B	9.3	11:41	12	8.3	33.24	27.2	2.95	5	105	0.145	SE
S3	20190516	Sunny	Moderate	Mid-Ebb	M	5.15	11:42	13.28	8.97	32.9	27.1	2.89	6	104	0.103	S
S3	20190516	Sunny	Moderate	Mid-Ebb	M	5.15	11:42	11.72	8.54	32.49	27.1	2.84	6	104	0.115	S
S3	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:43	12.74	8.35	28.78	27.1	2.82	6	104	0.101	SE
S3	20190516	Sunny	Moderate	Mid-Ebb	S	1	11:43	13.28	8.47	31.28	27.2	3.02	6	104	0.129	SE
B1	20190516	Sunny	Moderate	Mid-Flood	B	4.4	15:27	10.8	8.57	28.16	27.4	2.29	5	105	0.192	NW
B1	20190516	Sunny	Moderate	Mid-Flood	B	4.4	15:27	11.15	8.73	31.38	27.5	2.25	4	105	0.205	W
B1	20190516	Sunny	Moderate	Mid-Flood	S	1	15:28	11.58	8.92	32.33	27.6	2.39	5	106	0.142	NW



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Location	Date	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	Direction in NESW
B1	20190516	Sunny	Moderate	Mid-Flood	S	1	15:28	13.75	8.6	27.67	27.6	2.19	6	104	0.172	NW
B2	20190516	Sunny	Moderate	Mid-Flood	B	4.2	15:48	11.39	9.01	30.64	27.6	1.97	4	105	0.138	W
B2	20190516	Sunny	Moderate	Mid-Flood	B	4.2	15:48	12.36	8.42	32.73	27.5	2.12	5	105	0.136	W
B2	20190516	Sunny	Moderate	Mid-Flood	S	1	15:49	12.91	8.54	31.26	27.6	2.18	3	105	0.203	SW
B2	20190516	Sunny	Moderate	Mid-Flood	S	1	15:49	12.56	8.32	28.35	27.4	2.28	4	106	0.129	W
B3	20190516	Sunny	Moderate	Mid-Flood	B	4.3	15:34	11.76	9.04	31.33	27.6	2.46	4	105	0.186	W
B3	20190516	Sunny	Moderate	Mid-Flood	B	4.3	15:34	13.16	8.56	28.11	27.4	2.34	4	105	0.155	SW
B3	20190516	Sunny	Moderate	Mid-Flood	S	1	15:35	12.01	8.37	27.29	27.4	2.18	5	106	0.153	NW
B3	20190516	Sunny	Moderate	Mid-Flood	S	1	15:35	11.39	8.72	33.23	27.4	2.26	6	104	0.171	NW
B4	20190516	Sunny	Moderate	Mid-Flood	B	4.5	15:47	10.96	8.95	28.01	27.5	2.05	5	105	0.16	W
B4	20190516	Sunny	Moderate	Mid-Flood	B	4.5	15:47	10.69	8.57	29.2	27.4	1.96	6	104	0.171	NW
B4	20190516	Sunny	Moderate	Mid-Flood	S	1	15:48	10.92	9.03	27.39	27.4	1.84	4	104	0.155	NW
B4	20190516	Sunny	Moderate	Mid-Flood	S	1	15:48	10.92	9.01	31.56	27.5	1.96	5	105	0.139	W
C1A	20190516	Sunny	Moderate	Mid-Flood	B	9.7	15:02	11.21	9	32.54	27.5	2.22	4	104	0.129	NW
C1A	20190516	Sunny	Moderate	Mid-Flood	B	9.7	15:02	11.3	9.01	29.35	27.5	2.22	5	104	0.165	W
C1A	20190516	Sunny	Moderate	Mid-Flood	M	5.35	15:03	13.88	8.81	30.68	27.5	2.4	4	106	0.179	W
C1A	20190516	Sunny	Moderate	Mid-Flood	M	5.35	15:03	10.38	8.7	28.87	27.6	2.58	4	104	0.174	W
C1A	20190516	Sunny	Moderate	Mid-Flood	S	1	15:04	11.3	8.48	28.35	27.6	2.56	4	105	0.187	SW
C1A	20190516	Sunny	Moderate	Mid-Flood	S	1	15:04	11.52	8.87	27.94	27.6	2.72	5	105	0.203	W
C2A	20190516	Sunny	Moderate	Mid-Flood	B	10.2	15:01	11.69	8.43	32.25	27.4	1.53	5	105	0.147	SW
C2A	20190516	Sunny	Moderate	Mid-Flood	B	10.2	15:01	10.39	8.63	33.45	27.5	1.47	6	105	0.147	NW
C2A	20190516	Sunny	Moderate	Mid-Flood	M	5.6	15:02	12.29	9.03	29.95	27.5	1.36	5	106	0.128	W
C2A	20190516	Sunny	Moderate	Mid-Flood	M	5.6	15:02	13.12	8.48	32.09	27.5	1.53	5	105	0.195	SW
C2A	20190516	Sunny	Moderate	Mid-Flood	S	1	15:03	12.12	8.39	27.36	27.6	1.66	4	104	0.205	SW
C2A	20190516	Sunny	Moderate	Mid-Flood	S	1	15:03	13.41	8.49	31.58	27.6	1.62	4	106	0.208	NW
F1A	20190516	Sunny	Moderate	Mid-Flood	B	6.8	16:12	11.73	8.79	27.75	27.6	2.1	3	104	0.204	NW
F1A	20190516	Sunny	Moderate	Mid-Flood	B	6.8	16:12	13.52	8.39	32.16	27.6	2.06	4	104	0.146	W
F1A	20190516	Sunny	Moderate	Mid-Flood	M	3.9	16:13	11.32	8.68	31.3	27.5	2.25	5	104	0.192	W
F1A	20190516	Sunny	Moderate	Mid-Flood	M	3.9	16:13	10.27	8.65	30.86	27.5	2.28	4	104	0.151	SW
F1A	20190516	Sunny	Moderate	Mid-Flood	S	1	16:14	12.72	8.37	31.7	27.5	2.12	5	106	0.187	SW
F1A	20190516	Sunny	Moderate	Mid-Flood	S	1	16:14	11.54	8.43	32.32	27.5	1.95	4	105	0.154	W
H1	20190516	Sunny	Moderate	Mid-Flood	B	7.2	15:20	12.63	8.67	32.58	27.6	2.73	4	104	0.15	NW

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Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
H1	20190516	Sunny	Moderate	Mid-Flood	B	7.2	15:20	11.8	8.31	29.11	27.5	2.85	4	105	0.137	NW
H1	20190516	Sunny	Moderate	Mid-Flood	M	4.1	15:21	12.66	9.01	29.42	27.6	2.72	5	104	0.201	W
H1	20190516	Sunny	Moderate	Mid-Flood	M	4.1	15:21	13.38	8.86	30.64	27.5	2.65	5	104	0.16	W
H1	20190516	Sunny	Moderate	Mid-Flood	S	1	15:22	10.77	8.85	27.29	27.5	2.72	4	104	0.208	SW
H1	20190516	Sunny	Moderate	Mid-Flood	S	1	15:22	10.76	8.64	33.3	27.6	2.76	4	106	0.123	NW
M1	20190516	Sunny	Moderate	Mid-Flood	B	6.9	16:48	12.56	8.48	33.45	27.4	2.09	3	105	0.158	SW
M1	20190516	Sunny	Moderate	Mid-Flood	B	6.9	16:48	10.72	8.62	29.16	27.5	1.96	3	105	0.173	W
M1	20190516	Sunny	Moderate	Mid-Flood	M	3.95	16:49	12.81	8.8	32.51	27.6	2.05	4	104	0.186	W
M1	20190516	Sunny	Moderate	Mid-Flood	M	3.95	16:49	13.4	8.42	30.4	27.6	2.25	2	104	0.187	W
M1	20190516	Sunny	Moderate	Mid-Flood	S	1	16:50	13.66	8.4	33.16	27.6	2.39	4	106	0.176	NW
M1	20190516	Sunny	Moderate	Mid-Flood	S	1	16:50	10.85	8.6	30.45	27.5	2.38	3	104	0.139	NW
CR1	20190516	Sunny	Moderate	Mid-Flood	B	11.4	16:54	10.22	8.89	29.21	27.5	1.84	4	104	0.176	SW
CR1	20190516	Sunny	Moderate	Mid-Flood	B	11.4	16:54	10.64	8.93	32.13	27.4	1.87	4	105	0.156	SW
CR1	20190516	Sunny	Moderate	Mid-Flood	M	6.2	16:55	12.52	9.04	32.59	27.5	1.87	4	104	0.161	W
CR1	20190516	Sunny	Moderate	Mid-Flood	M	6.2	16:55	13.83	8.57	29.14	27.5	1.94	3	104	0.154	SW
CR1	20190516	Sunny	Moderate	Mid-Flood	S	1	16:56	13.08	8.81	32.15	27.5	2.08	4	105	0.141	W
CR1	20190516	Sunny	Moderate	Mid-Flood	S	1	16:56	11.23	8.47	29.5	27.5	1.89	3	104	0.146	SW
CR2	20190516	Sunny	Moderate	Mid-Flood	B	9.9	16:29	11.9	8.52	31.52	27.4	2.01	4	104	0.202	W
CR2	20190516	Sunny	Moderate	Mid-Flood	B	9.9	16:29	12.79	8.71	29.32	27.6	1.89	5	103	0.153	W
CR2	20190516	Sunny	Moderate	Mid-Flood	M	5.45	16:30	10.71	8.59	31.04	27.5	1.69	4	105	0.144	SW
CR2	20190516	Sunny	Moderate	Mid-Flood	M	5.45	16:30	11.78	8.78	31.61	27.5	1.8	5	104	0.157	SW
CR2	20190516	Sunny	Moderate	Mid-Flood	S	1	16:31	10.84	8.82	27.79	27.4	1.87	3	105	0.136	NW
CR2	20190516	Sunny	Moderate	Mid-Flood	S	1	16:31	10.62	8.32	32.34	27.4	1.75	4	104	0.159	SW
S1	20190516	Sunny	Moderate	Mid-Flood	B	4	15:37	12.1	8.49	27.65	27.5	2.26	4	106	0.127	W
S1	20190516	Sunny	Moderate	Mid-Flood	B	4	15:37	10.84	8.45	30.91	27.5	2.34	5	104	0.14	W
S1	20190516	Sunny	Moderate	Mid-Flood	S	1	15:38	12.55	8.43	29.06	27.6	2.3	3	104	0.206	SW
S1	20190516	Sunny	Moderate	Mid-Flood	S	1	15:38	13.91	8.46	28.66	27.5	2.12	2	105	0.137	NW
S2A	20190516	Sunny	Moderate	Mid-Flood	B	8.5	16:14	12.89	8.58	31.48	27.4	2.66	4	104	0.211	W
S2A	20190516	Sunny	Moderate	Mid-Flood	B	8.5	16:14	12.79	9.02	28.21	27.4	2.53	3	103	0.172	W
S2A	20190516	Sunny	Moderate	Mid-Flood	M	4.75	16:15	13.42	8.34	28	27.5	2.67	2	104	0.138	W
S2A	20190516	Sunny	Moderate	Mid-Flood	M	4.75	16:15	10.88	8.48	31.34	27.5	2.82	3	104	0.162	NW
S2A	20190516	Sunny	Moderate	Mid-Flood	S	1	16:16	10.5	8.66	27.67	27.6	2.78	4	103	0.21	W

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Location	Date	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	Direction in NESW
S2A	20190516	Sunny	Moderate	Mid-Flood	S	1	16:16	12.2	8.98	30.07	27.5	2.64	5	104	0.188	W
S3	20190516	Sunny	Moderate	Mid-Flood	B	8.8	16:40	11.95	8.87	28.48	27.5	1.67	3	105	0.163	W
S3	20190516	Sunny	Moderate	Mid-Flood	B	8.8	16:40	12.92	8.85	29.73	27.5	1.66	4	104	0.179	W
S3	20190516	Sunny	Moderate	Mid-Flood	M	4.9	16:41	13.89	8.72	30.78	27.5	1.83	5	104	0.18	W
S3	20190516	Sunny	Moderate	Mid-Flood	M	4.9	16:41	10.49	8.54	31.11	27.6	1.83	4	104	0.211	W
S3	20190516	Sunny	Moderate	Mid-Flood	S	1	16:42	11.9	9.01	30.2	27.4	1.99	4	104	0.16	W
S3	20190516	Sunny	Moderate	Mid-Flood	S	1	16:42	12.04	9.02	31.18	27.6	1.95	4	104	0.176	W
B1	20190518	Sunny	Moderate	Mid-Ebb	B	4.3	11:24	10.71	8.47	27.64	27.7	2.8	6	104	0.174	SE
B1	20190518	Sunny	Moderate	Mid-Ebb	B	4.3	11:24	11.78	8.7	33.13	27.6	2.67	7	102	0.229	SE
B1	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:25	9.19	8.95	30.97	27.6	2.51	5	103	0.178	SE
B1	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:25	10.87	8.84	28.35	27.6	2.53	6	103	0.199	E
B2	20190518	Sunny	Moderate	Mid-Ebb	B	4.2	12:43	12.43	8.41	32.63	27.7	1.57	<2	103	0.162	E
B2	20190518	Sunny	Moderate	Mid-Ebb	B	4.2	12:43	12.78	8.9	32.12	27.7	1.37	<2	102	0.135	S
B2	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:44	12.27	8.62	32.56	27.5	1.46	<2	104	0.236	E
B2	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:44	13.18	8.52	32.93	27.6	1.36	<2	105	0.209	SE
B3	20190518	Sunny	Moderate	Mid-Ebb	B	4.5	11:27	12.47	8.66	29.81	27.6	3.82	4	104	0.124	SE
B3	20190518	Sunny	Moderate	Mid-Ebb	B	4.5	11:27	11.31	8.9	33.12	27.7	3.66	4	103	0.179	S
B3	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:28	11.32	8.57	32.33	27.6	3.72	5	104	0.224	SE
B3	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:28	10.68	8.8	27.85	27.5	3.73	4	103	0.218	SE
B4	20190518	Sunny	Moderate	Mid-Ebb	B	4.2	11:38	13.51	8.9	31.65	27.8	3.02	4	103	0.103	S
B4	20190518	Sunny	Moderate	Mid-Ebb	B	4.2	11:38	11.65	8.58	33.18	27.8	2.97	4	105	0.168	SE
B4	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:39	10.01	8.61	27.87	27.7	3.03	3	103	0.211	S
B4	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:39	11.36	8.59	33.31	27.6	2.95	4	103	0.19	SE
C1A	20190518	Sunny	Moderate	Mid-Ebb	B	9.3	11:51	11.87	8.59	32.73	27.7	3.7	3	103	0.161	E
C1A	20190518	Sunny	Moderate	Mid-Ebb	B	9.3	11:51	9.61	8.87	29.16	27.7	3.63	2	102	0.112	SE
C1A	20190518	Sunny	Moderate	Mid-Ebb	M	5.15	11:52	9.46	8.98	28.54	27.6	3.48	3	104	0.107	E
C1A	20190518	Sunny	Moderate	Mid-Ebb	M	5.15	11:52	10.41	8.51	29	27.8	3.43	4	104	0.202	SE
C1A	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:53	12.06	8.82	29.63	27.7	3.27	3	104	0.109	S
C1A	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:53	13.58	8.48	29.08	27.5	3.07	3	104	0.097	SE
C2A	20190518	Sunny	Moderate	Mid-Ebb	B	10.4	10:53	11.32	8.49	29.31	27.7	3.33	<2	102	0.12	S
C2A	20190518	Sunny	Moderate	Mid-Ebb	B	10.4	10:53	10.54	8.62	32.76	27.7	3.33	<2	102	0.148	E
C2A	20190518	Sunny	Moderate	Mid-Ebb	M	5.7	10:54	13.28	8.59	29.15	27.7	3.37	<2	103	0.165	SE

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 Integrated Waste Management Facilities, Phase 1  
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Location	Date	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	Direction in NESW
C2A	20190518	Sunny	Moderate	Mid-Ebb	M	5.7	10:54	12.98	8.82	31.66	27.5	3.44	<2	102	0.136	S
C2A	20190518	Sunny	Moderate	Mid-Ebb	S	1	10:55	9.74	8.65	29.26	27.7	3.44	<2	104	0.222	SE
C2A	20190518	Sunny	Moderate	Mid-Ebb	S	1	10:55	10.7	9.01	30.46	27.6	3.44	<2	103	0.203	S
F1A	20190518	Sunny	Moderate	Mid-Ebb	B	7.9	12:01	12.33	8.67	30.8	27.7	4	3	103	0.12	SE
F1A	20190518	Sunny	Moderate	Mid-Ebb	B	7.9	12:01	13.89	8.81	28.78	27.5	3.98	3	104	0.156	E
F1A	20190518	Sunny	Moderate	Mid-Ebb	M	4.45	12:02	12.52	8.47	32.41	27.7	3.05	3	103	0.192	SE
F1A	20190518	Sunny	Moderate	Mid-Ebb	M	4.45	12:02	13.02	8.73	32.45	27.5	3.07	2	103	0.235	E
F1A	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:03	10.28	8.94	28.71	27.7	3.01	3	102	0.13	S
F1A	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:03	11.7	8.91	31.95	27.7	3.01	2	102	0.193	SE
H1	20190518	Sunny	Moderate	Mid-Ebb	B	7.2	11:12	10.67	8.87	30.22	27.7	3	6	103	0.234	S
H1	20190518	Sunny	Moderate	Mid-Ebb	B	7.2	11:12	11.1	8.65	27.99	27.7	3.02	6	102	0.089	S
H1	20190518	Sunny	Moderate	Mid-Ebb	M	4.1	11:13	12.66	8.8	31.08	27.6	2.83	5	103	0.191	SE
H1	20190518	Sunny	Moderate	Mid-Ebb	M	4.1	11:13	13.76	8.57	29.11	27.7	2.8	5	103	0.237	S
H1	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:14	11.75	8.75	27.82	27.5	2.74	5	103	0.165	S
H1	20190518	Sunny	Moderate	Mid-Ebb	S	1	11:14	10.33	8.76	27.86	27.6	2.88	6	104	0.158	E
M1	20190518	Sunny	Moderate	Mid-Ebb	B	8.9	12:38	12.59	8.56	29.44	27.6	2.1	6	103	0.095	SE
M1	20190518	Sunny	Moderate	Mid-Ebb	B	8.9	12:38	13.57	8.44	31.49	27.7	2.22	7	103	0.114	S
M1	20190518	Sunny	Moderate	Mid-Ebb	M	4.95	12:39	11.01	8.86	33.12	27.7	2.37	5	102	0.214	E
M1	20190518	Sunny	Moderate	Mid-Ebb	M	4.95	12:39	10.63	8.83	27.36	27.7	2.34	5	103	0.18	S
M1	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:40	12.2	9.01	32.21	27.7	2.49	4	103	0.234	E
M1	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:40	13.45	8.4	29.03	27.6	2.46	4	103	0.224	E
CR1	20190518	Sunny	Moderate	Mid-Ebb	B	11.8	13:38	13.36	8.85	32.73	27.7	3.37	7	103	0.148	S
CR1	20190518	Sunny	Moderate	Mid-Ebb	B	11.8	13:38	12.14	8.79	28.07	27.7	3.44	7	103	0.128	SE
CR1	20190518	Sunny	Moderate	Mid-Ebb	M	6.4	13:39	13.2	8.91	27.65	27.8	3.38	5	104	0.193	SE
CR1	20190518	Sunny	Moderate	Mid-Ebb	M	6.4	13:39	12.47	8.93	30.37	27.6	3.43	6	103	0.167	S
CR1	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:40	11.46	8.68	31.26	27.7	3.61	7	104	0.124	SE
CR1	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:40	12.22	8.48	30.38	27.5	3.71	6	104	0.207	E
CR2	20190518	Sunny	Moderate	Mid-Ebb	B	10.1	13:15	10.04	8.53	31.88	27.7	2.49	6	103	0.2	E
CR2	20190518	Sunny	Moderate	Mid-Ebb	B	10.1	13:15	10.95	8.6	28.32	27.7	2.37	6	103	0.171	SE
CR2	20190518	Sunny	Moderate	Mid-Ebb	M	5.55	13:16	11.8	8.89	28.89	27.6	2.39	8	103	0.166	S
CR2	20190518	Sunny	Moderate	Mid-Ebb	M	5.55	13:16	11.16	8.98	32.88	27.7	2.19	7	103	0.213	S
CR2	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:17	11.83	8.48	30.84	27.6	2.38	9	102	0.201	SE

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Location	Date	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	Direction in NESW
CR2	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:17	11.56	8.69	32.37	27.6	2.23	9	102	0.168	SE
S1	20190518	Sunny	Moderate	Mid-Ebb	B	3.9	12:34	13.13	8.47	29.86	27.6	2.04	2	103	0.164	S
S1	20190518	Sunny	Moderate	Mid-Ebb	B	3.9	12:34	12.75	8.43	28.54	27.7	1.97	3	104	0.155	E
S1	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:35	9.72	8.48	31.16	27.8	1.78	2	104	0.211	S
S1	20190518	Sunny	Moderate	Mid-Ebb	S	1	12:35	10.71	9.01	31.06	27.7	1.76	3	104	0.087	S
S2A	20190518	Sunny	Moderate	Mid-Ebb	B	8	13:01	11.44	8.98	27.53	27.7	2.68	4	103	0.178	S
S2A	20190518	Sunny	Moderate	Mid-Ebb	B	8	13:01	12.99	8.81	32.61	27.6	2.68	4	102	0.125	SE
S2A	20190518	Sunny	Moderate	Mid-Ebb	M	4.5	13:02	11.64	9	30.65	27.7	2.71	4	104	0.135	S
S2A	20190518	Sunny	Moderate	Mid-Ebb	M	4.5	13:02	11.27	8.86	32.45	27.7	2.91	3	103	0.129	SE
S2A	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:03	10.13	8.67	28.32	27.8	2.96	4	102	0.159	E
S2A	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:03	11.9	8.75	29.73	27.6	2.77	4	102	0.093	S
S3	20190518	Sunny	Moderate	Mid-Ebb	B	10.1	13:25	12.83	8.97	30.8	27.6	2.41	4	103	0.198	SE
S3	20190518	Sunny	Moderate	Mid-Ebb	B	10.1	13:25	11.12	8.73	30.25	27.6	2.37	4	103	0.125	E
S3	20190518	Sunny	Moderate	Mid-Ebb	M	5.55	13:26	10.1	8.49	27.52	27.6	2.48	5	104	0.102	E
S3	20190518	Sunny	Moderate	Mid-Ebb	M	5.55	13:26	11.61	8.91	32.97	27.6	2.31	4	102	0.092	E
S3	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:27	11.03	8.65	30	27.8	2.25	6	103	0.232	S
S3	20190518	Sunny	Moderate	Mid-Ebb	S	1	13:27	12.05	8.54	29.93	27.7	2.35	6	103	0.117	S
B1	20190518	Sunny	Moderate	Mid-Flood	B	5.4	16:27	12.37	8.61	27.59	26.9	2.01	5	102	0.275	SW
B1	20190518	Sunny	Moderate	Mid-Flood	B	5.4	16:27	13.17	8.78	31.66	26.9	1.87	5	103	0.159	SW
B1	20190518	Sunny	Moderate	Mid-Flood	S	1	16:28	11.71	9	32.5	26.9	1.95	4	102	0.242	W
B1	20190518	Sunny	Moderate	Mid-Flood	S	1	16:28	13.67	8.48	32.68	26.9	2.11	4	104	0.173	W
B2	20190518	Sunny	Moderate	Mid-Flood	B	4.4	16:45	13.58	8.92	28.34	26.9	3.01	5	104	0.141	SW
B2	20190518	Sunny	Moderate	Mid-Flood	B	4.4	16:45	13.44	8.99	32.06	26.9	3.19	4	103	0.198	W
B2	20190518	Sunny	Moderate	Mid-Flood	S	1	16:46	12.65	8.37	33.38	27	3.21	5	103	0.252	W
B2	20190518	Sunny	Moderate	Mid-Flood	S	1	16:46	12.61	8.76	29.19	26.8	3.33	6	103	0.139	NW
B3	20190518	Sunny	Moderate	Mid-Flood	B	4.9	16:49	11.69	8.77	30.77	26.9	2.86	7	102	0.256	W
B3	20190518	Sunny	Moderate	Mid-Flood	B	4.9	16:49	12.89	8.52	31.32	26.9	2.66	8	102	0.212	W
B3	20190518	Sunny	Moderate	Mid-Flood	S	1	16:50	13.55	8.59	30.74	27	2.59	5	103	0.277	W
B3	20190518	Sunny	Moderate	Mid-Flood	S	1	16:50	13.38	8.33	31.65	27	2.71	5	102	0.125	W
B4	20190518	Sunny	Moderate	Mid-Flood	B	5.3	17:02	12.44	8.81	31.26	27	1.52	3	103	0.13	W
B4	20190518	Sunny	Moderate	Mid-Flood	B	5.3	17:02	11.69	8.33	27.72	26.8	1.55	3	103	0.155	NW
B4	20190518	Sunny	Moderate	Mid-Flood	S	1	17:03	11.67	8.55	30.5	26.9	1.42	4	103	0.292	W

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Location	Date	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	Direction in NESW
B4	20190518	Sunny	Moderate	Mid-Flood	S	1	17:03	13.08	8.36	31.06	26.9	1.29	4	103	0.224	W
C1A	20190518	Sunny	Moderate	Mid-Flood	B	10.9	16:00	11.58	8.8	32.92	26.9	2.4	5	103	0.239	W
C1A	20190518	Sunny	Moderate	Mid-Flood	B	10.9	16:00	11.07	8.6	28.99	26.9	2.25	4	103	0.196	W
C1A	20190518	Sunny	Moderate	Mid-Flood	M	5.95	16:01	10.45	8.87	32.05	27	2.17	3	104	0.252	W
C1A	20190518	Sunny	Moderate	Mid-Flood	M	5.95	16:01	12.88	8.85	33.27	26.8	2.13	4	102	0.23	SW
C1A	20190518	Sunny	Moderate	Mid-Flood	S	1	16:02	11.54	8.99	32.29	26.8	2.03	4	102	0.156	W
C1A	20190518	Sunny	Moderate	Mid-Flood	S	1	16:02	11.52	8.56	28.17	27	2.04	3	103	0.197	W
C2A	20190518	Sunny	Moderate	Mid-Flood	B	10.4	16:00	11.22	8.34	28.23	26.9	2.47	4	102	0.211	SW
C2A	20190518	Sunny	Moderate	Mid-Flood	B	10.4	16:00	10.28	8.55	30.14	27	2.33	3	103	0.27	W
C2A	20190518	Sunny	Moderate	Mid-Flood	M	5.7	16:01	12.22	8.99	31.81	26.8	2.27	4	102	0.268	W
C2A	20190518	Sunny	Moderate	Mid-Flood	M	5.7	16:01	11.46	8.41	28.16	26.9	2.41	4	102	0.254	NW
C2A	20190518	Sunny	Moderate	Mid-Flood	S	1	16:02	10.54	8.85	30.27	26.9	2.23	4	103	0.234	W
C2A	20190518	Sunny	Moderate	Mid-Flood	S	1	16:02	12.54	8.87	29.72	26.9	2.4	3	103	0.257	W
F1A	20190518	Sunny	Moderate	Mid-Flood	B	7.7	17:26	13.44	8.77	32.51	26.9	2.5	<2	103	0.196	SW
F1A	20190518	Sunny	Moderate	Mid-Flood	B	7.7	17:26	11.15	8.71	30.98	26.9	2.68	<2	102	0.206	W
F1A	20190518	Sunny	Moderate	Mid-Flood	M	4.35	17:27	10.23	8.74	28.51	27	2.75	<2	104	0.255	W
F1A	20190518	Sunny	Moderate	Mid-Flood	M	4.35	17:27	13.45	8.6	32.35	26.9	2.89	<2	103	0.173	SW
F1A	20190518	Sunny	Moderate	Mid-Flood	S	1	17:28	10.3	8.73	27.9	26.9	2.82	4	104	0.147	SW
F1A	20190518	Sunny	Moderate	Mid-Flood	S	1	17:28	12.27	9.04	27.78	27	2.85	3	102	0.178	SW
H1	20190518	Sunny	Moderate	Mid-Flood	B	6.6	16:34	13.6	8.73	30.18	26.9	3.54	2	102	0.242	W
H1	20190518	Sunny	Moderate	Mid-Flood	B	6.6	16:34	11.61	8.33	31.22	26.8	3.59	4	103	0.147	SW
H1	20190518	Sunny	Moderate	Mid-Flood	M	3.8	16:35	11.79	8.98	28.24	27	3.6	4	103	0.212	W
H1	20190518	Sunny	Moderate	Mid-Flood	M	3.8	16:35	12.73	8.57	33	26.9	3.67	4	102	0.198	W
H1	20190518	Sunny	Moderate	Mid-Flood	S	1	16:36	13.09	8.76	30.21	27	3.57	3	103	0.133	SW
H1	20190518	Sunny	Moderate	Mid-Flood	S	1	16:36	10.32	8.46	32.64	26.8	3.41	3	103	0.267	W
M1	20190518	Sunny	Moderate	Mid-Flood	B	7.5	18:00	13.34	8.62	27.88	26.9	1.82	4	104	0.19	W
M1	20190518	Sunny	Moderate	Mid-Flood	B	7.5	18:00	10.35	8.92	31.15	26.8	2.01	3	103	0.282	W
M1	20190518	Sunny	Moderate	Mid-Flood	M	4.25	18:01	10.83	8.41	32.22	26.9	2.08	4	104	0.164	NW
M1	20190518	Sunny	Moderate	Mid-Flood	M	4.25	18:01	11.3	8.38	31.46	26.9	2.12	5	104	0.154	SW
M1	20190518	Sunny	Moderate	Mid-Flood	S	1	18:02	10.79	8.35	28.26	26.9	2.32	5	104	0.256	SW
M1	20190518	Sunny	Moderate	Mid-Flood	S	1	18:02	10.52	8.58	30.28	26.8	2.4	5	104	0.242	W
CR1	20190518	Sunny	Moderate	Mid-Flood	B	11	17:39	13.92	8.49	29.7	26.9	1.86	3	102	0.166	W

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Location	Date	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	Direction in NESW
CR1	20190518	Sunny	Moderate	Mid-Flood	B	11	17:39	12.17	8.51	30.55	26.9	1.82	2	104	0.184	W
CR1	20190518	Sunny	Moderate	Mid-Flood	M	6	17:40	10.75	8.41	32.73	26.9	1.96	<2	103	0.255	SW
CR1	20190518	Sunny	Moderate	Mid-Flood	M	6	17:40	12.06	8.82	31.13	26.9	1.93	<2	104	0.164	W
CR1	20190518	Sunny	Moderate	Mid-Flood	S	1	17:41	10.62	8.97	27.66	26.9	1.8	<2	102	0.281	W
CR1	20190518	Sunny	Moderate	Mid-Flood	S	1	17:41	11.18	8.56	29.23	27	1.73	<2	103	0.284	NW
CR2	20190518	Sunny	Moderate	Mid-Flood	B	10.6	17:16	12.56	8.89	27.48	26.8	3.59	5	102	0.147	W
CR2	20190518	Sunny	Moderate	Mid-Flood	B	10.6	17:16	13.76	9.04	28.85	26.9	3.65	4	104	0.206	SW
CR2	20190518	Sunny	Moderate	Mid-Flood	M	5.8	17:17	13.78	8.58	27.78	26.9	3.56	3	104	0.273	W
CR2	20190518	Sunny	Moderate	Mid-Flood	M	5.8	17:17	11.65	8.92	28.77	26.9	3.73	2	103	0.223	W
CR2	20190518	Sunny	Moderate	Mid-Flood	S	1	17:18	10.62	8.98	30.98	26.8	3.88	3	103	0.205	W
CR2	20190518	Sunny	Moderate	Mid-Flood	S	1	17:18	10.98	8.94	29.17	27	3.94	3	102	0.179	SW
S1	20190518	Sunny	Moderate	Mid-Flood	B	4.6	16:36	10.69	8.55	28.64	27	2.29	4	104	0.127	W
S1	20190518	Sunny	Moderate	Mid-Flood	B	4.6	16:36	10.87	8.89	27.74	27	2.11	2	103	0.123	W
S1	20190518	Sunny	Moderate	Mid-Flood	S	1	16:37	11.62	8.8	31.36	26.8	2.04	<2	103	0.131	SW
S1	20190518	Sunny	Moderate	Mid-Flood	S	1	16:37	10.26	8.73	29.17	26.8	2.16	<2	104	0.151	W
S2A	20190518	Sunny	Moderate	Mid-Flood	B	8.3	17:02	12.35	8.42	32.65	26.8	3.28	4	102	0.152	W
S2A	20190518	Sunny	Moderate	Mid-Flood	B	8.3	17:02	13.04	8.53	30.05	26.9	3.17	5	102	0.291	W
S2A	20190518	Sunny	Moderate	Mid-Flood	M	4.65	17:03	13.36	8.64	30.62	26.9	3.08	3	102	0.29	W
S2A	20190518	Sunny	Moderate	Mid-Flood	M	4.65	17:03	13.37	8.95	29.33	26.8	3.03	4	103	0.269	NW
S2A	20190518	Sunny	Moderate	Mid-Flood	S	1	17:04	13.06	8.33	27.48	26.9	3.06	4	103	0.207	W
S2A	20190518	Sunny	Moderate	Mid-Flood	S	1	17:04	10.92	8.58	27.38	26.8	3.06	4	104	0.193	W
S3	20190518	Sunny	Moderate	Mid-Flood	B	8	17:26	10.32	8.75	29.22	26.9	2.47	<2	103	0.206	NW
S3	20190518	Sunny	Moderate	Mid-Flood	B	8	17:26	13.61	8.63	29.3	27	2.45	<2	104	0.253	W
S3	20190518	Sunny	Moderate	Mid-Flood	M	4.5	17:27	10.18	9	28.47	26.9	2.51	<2	103	0.243	W
S3	20190518	Sunny	Moderate	Mid-Flood	M	4.5	17:27	11.28	8.3	30.64	26.9	2.6	<2	103	0.276	W
S3	20190518	Sunny	Moderate	Mid-Flood	S	1	17:28	12.02	8.58	32.25	26.8	2.45	3	104	0.23	W
S3	20190518	Sunny	Moderate	Mid-Flood	S	1	17:28	10.2	8.83	33.43	27	2.51	3	104	0.177	W
B1	20190520	Cloudy	Moderate	Mid-Ebb	B	4.7	13:33	12.29	8.64	28.29	27.6	3.06	4	102	0.117	S
B1	20190520	Cloudy	Moderate	Mid-Ebb	B	4.7	13:33	10.75	8.71	27.47	27.7	3.21	4	102	0.117	SE
B1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:34	12.62	8.5	28.02	27.7	3.06	3	102	0.218	E
B1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:34	12.53	8.79	28.88	27.6	3.1	4	103	0.144	S
B2	20190520	Cloudy	Moderate	Mid-Ebb	B	4.3	13:55	9.24	8.91	29.09	27.8	3.08	5	103	0.229	SE

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Location	Date	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	Direction in NESW
B2	20190520	Cloudy	Moderate	Mid-Ebb	B	4.3	13:55	9.29	8.73	33.37	27.6	3.27	4	102	0.171	S
B2	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:56	12.65	8.96	28.28	27.7	3.19	4	103	0.154	SE
B2	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:56	10.54	8.3	32.91	27.8	2.99	3	103	0.175	S
B3	20190520	Cloudy	Moderate	Mid-Ebb	B	4.3	13:38	9.79	8.71	29.45	27.7	2.64	4	103	0.15	SE
B3	20190520	Cloudy	Moderate	Mid-Ebb	B	4.3	13:38	10	8.74	31.49	27.6	2.82	5	102	0.167	E
B3	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:39	10.68	8.38	27.41	27.5	3.02	3	104	0.23	SE
B3	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:39	9.17	8.74	29.97	27.5	3.22	4	103	0.188	SE
B4	20190520	Cloudy	Moderate	Mid-Ebb	B	4.5	13:50	9.23	8.81	30.54	27.7	3.48	4	102	0.191	S
B4	20190520	Cloudy	Moderate	Mid-Ebb	B	4.5	13:50	13.2	8.91	32.83	27.6	3.5	3	102	0.142	SE
B4	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:51	11.2	8.79	30.24	27.6	3.34	5	103	0.161	SE
B4	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:51	9	9.03	31.83	27.7	3.4	4	103	0.164	S
C1A	20190520	Cloudy	Moderate	Mid-Ebb	B	9.8	13:08	10.18	8.82	31.16	27.8	2.01	3	102	0.2	S
C1A	20190520	Cloudy	Moderate	Mid-Ebb	B	9.8	13:08	10.82	8.8	29.81	27.6	2.07	3	103	0.18	S
C1A	20190520	Cloudy	Moderate	Mid-Ebb	M	5.4	13:09	10.49	8.38	28.34	27.7	2.15	4	103	0.177	S
C1A	20190520	Cloudy	Moderate	Mid-Ebb	M	5.4	13:09	12.56	8.36	27.6	27.6	2.01	3	103	0.127	SE
C1A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:10	12.96	8.67	27.42	27.6	2.07	4	103	0.227	SE
C1A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:10	9.95	8.52	32.41	27.8	2.23	5	103	0.219	E
C2A	20190520	Cloudy	Moderate	Mid-Ebb	B	10.7	13:09	13.56	8.83	28.53	27.6	2.1	3	103	0.136	S
C2A	20190520	Cloudy	Moderate	Mid-Ebb	B	10.7	13:09	11.66	8.76	31.81	27.7	2.27	4	103	0.076	S
C2A	20190520	Cloudy	Moderate	Mid-Ebb	M	5.9	13:10	13.47	8.36	29.51	27.8	2.27	3	103	0.131	S
C2A	20190520	Cloudy	Moderate	Mid-Ebb	M	5.9	13:10	10.31	8.34	30.17	27.8	2.25	4	102	0.178	S
C2A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:11	11	8.64	32.18	27.6	2.21	4	102	0.138	SE
C2A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:11	13.47	8.79	33.17	27.5	2.25	5	102	0.232	SE
F1A	20190520	Cloudy	Moderate	Mid-Ebb	B	7.8	14:15	12.91	8.75	29.33	27.6	2.48	4	102	0.189	SE
F1A	20190520	Cloudy	Moderate	Mid-Ebb	B	7.8	14:15	12.93	8.87	33.17	27.8	2.61	4	102	0.118	S
F1A	20190520	Cloudy	Moderate	Mid-Ebb	M	4.4	14:16	12.34	8.79	27.89	27.5	2.41	2	102	0.203	S
F1A	20190520	Cloudy	Moderate	Mid-Ebb	M	4.4	14:16	12.79	8.98	31.22	27.8	2.44	4	103	0.193	SE
F1A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:17	12.5	8.36	29.03	27.6	2.63	4	102	0.139	S
F1A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:17	10.49	8.65	32.64	27.5	2.78	4	102	0.191	E
H1	20190520	Cloudy	Moderate	Mid-Ebb	B	7	13:24	10.19	9.03	31.41	27.5	2	5	102	0.193	E
H1	20190520	Cloudy	Moderate	Mid-Ebb	B	7	13:24	12.37	8.36	27.69	27.6	2.03	4	102	0.183	S
H1	20190520	Cloudy	Moderate	Mid-Ebb	M	4	13:25	12.28	8.54	33.04	27.6	2.23	4	102	0.088	SE



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Location	Date	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	Direction in NESW
H1	20190520	Cloudy	Moderate	Mid-Ebb	M	4	13:25	11	8.57	31	27.6	2.06	4	102	0.122	S
H1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:26	10.18	8.72	29.87	27.6	2	3	103	0.177	S
H1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:26	13.48	8.56	28.19	27.7	2.11	4	103	0.134	SE
M1	20190520	Cloudy	Moderate	Mid-Ebb	B	8.4	14:52	13.08	9.04	32.21	27.5	3.65	4	103	0.199	SE
M1	20190520	Cloudy	Moderate	Mid-Ebb	B	8.4	14:52	11.91	8.35	29.77	27.7	3.66	4	101	0.196	E
M1	20190520	Cloudy	Moderate	Mid-Ebb	M	4.7	14:53	10.78	8.93	32.58	27.7	3.51	5	102	0.107	SE
M1	20190520	Cloudy	Moderate	Mid-Ebb	M	4.7	14:53	12.38	9.03	27.75	27.7	3.52	4	102	0.09	E
M1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:54	11.12	8.58	32.38	27.6	3.53	4	102	0.231	E
M1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:54	13.43	8.34	31.64	27.8	3.43	5	102	0.161	S
CR1	20190520	Cloudy	Moderate	Mid-Ebb	B	11.8	14:46	10.07	8.42	33.3	27.8	3.68	5	102	0.145	SE
CR1	20190520	Cloudy	Moderate	Mid-Ebb	B	11.8	14:46	10.26	8.62	32.34	27.6	3.6	4	102	0.226	S
CR1	20190520	Cloudy	Moderate	Mid-Ebb	M	6.4	14:47	13.09	8.53	31.84	27.6	3.47	5	102	0.18	E
CR1	20190520	Cloudy	Moderate	Mid-Ebb	M	6.4	14:47	11.36	8.85	32.89	27.7	3.53	4	102	0.215	S
CR1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:48	10.94	8.42	28.37	27.8	3.62	3	102	0.152	E
CR1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:48	12.47	8.81	27.65	27.7	3.46	4	102	0.195	SE
CR2	20190520	Cloudy	Moderate	Mid-Ebb	B	10.8	14:23	12.2	8.59	30.12	27.7	2.47	4	102	0.078	SE
CR2	20190520	Cloudy	Moderate	Mid-Ebb	B	10.8	14:23	13.31	8.48	29.13	27.8	2.57	3	102	0.182	S
CR2	20190520	Cloudy	Moderate	Mid-Ebb	M	5.9	14:24	9.04	8.68	29.54	27.6	2.66	4	103	0.173	E
CR2	20190520	Cloudy	Moderate	Mid-Ebb	M	5.9	14:24	10.47	8.4	31.52	27.8	2.57	3	102	0.133	SE
CR2	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:25	9.81	8.39	33.41	27.5	2.41	5	102	0.166	S
CR2	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:25	11.76	8.36	32.82	27.7	2.51	5	102	0.111	E
S1	20190520	Cloudy	Moderate	Mid-Ebb	B	4.2	13:43	12.43	8.71	27.72	27.6	2.63	4	102	0.194	S
S1	20190520	Cloudy	Moderate	Mid-Ebb	B	4.2	13:43	9.24	8.78	31.25	27.7	2.83	3	102	0.151	S
S1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:44	9.96	8.43	32.3	27.8	2.65	3	103	0.154	SE
S1	20190520	Cloudy	Moderate	Mid-Ebb	S	1	13:44	13.83	8.52	30.95	27.7	2.7	4	103	0.105	SE
S2A	20190520	Cloudy	Moderate	Mid-Ebb	B	8.4	14:10	8.99	9.03	30.61	27.5	2.44	5	102	0.109	SE
S2A	20190520	Cloudy	Moderate	Mid-Ebb	B	8.4	14:10	12.47	8.33	27.91	27.7	2.37	4	102	0.181	SE
S2A	20190520	Cloudy	Moderate	Mid-Ebb	M	4.7	14:11	12.86	9	32.39	27.8	2.53	4	102	0.107	S
S2A	20190520	Cloudy	Moderate	Mid-Ebb	M	4.7	14:11	10.54	8.58	28.38	27.6	2.44	4	104	0.137	E
S2A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:12	10.96	8.52	31.98	27.6	2.27	3	103	0.185	S
S2A	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:12	9.72	8.81	32.75	27.8	2.11	<2	103	0.168	S
S3	20190520	Cloudy	Moderate	Mid-Ebb	B	10.3	14:33	13.91	8.41	28.26	27.6	3.11	<2	102	0.188	E

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Location	Date	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	Direction in NESW
S3	20190520	Cloudy	Moderate	Mid-Ebb	B	10.3	14:33	13.09	8.44	31.95	27.7	2.98	3	103	0.2	S
S3	20190520	Cloudy	Moderate	Mid-Ebb	M	5.7	14:34	10.61	8.57	29.99	27.6	2.87	2	102	0.144	SE
S3	20190520	Cloudy	Moderate	Mid-Ebb	M	5.7	14:34	12.75	8.41	31.65	27.7	2.67	4	103	0.131	E
S3	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:35	11.29	8.3	30.74	27.5	2.64	4	103	0.177	S
S3	20190520	Cloudy	Moderate	Mid-Ebb	S	1	14:35	10.17	8.87	30.91	27.8	2.82	3	103	0.114	S
B1	20190520	Cloudy	Moderate	Mid-Flood	B	4.2	17:32	10.06	8.98	32.6	24.6	3.64	4	102	0.141	NW
B1	20190520	Cloudy	Moderate	Mid-Flood	B	4.2	17:32	13.22	8.94	28.95	24.5	3.74	4	102	0.229	SW
B1	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:33	13.25	8.53	29.28	24.5	3.57	4	102	0.129	W
B1	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:33	10.27	8.67	31.77	24.6	3.58	3	102	0.155	NW
B2	20190520	Cloudy	Moderate	Mid-Flood	B	4.9	17:54	13.81	8.4	27.83	24.4	1.94	4	102	0.17	W
B2	20190520	Cloudy	Moderate	Mid-Flood	B	4.9	17:54	10.3	8.62	32.18	24.5	1.8	4	103	0.15	NW
B2	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:55	9.65	8.7	29.55	24.4	1.95	4	102	0.158	W
B2	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:55	12.48	8.75	27.62	24.5	2.07	2	100	0.248	SW
B3	20190520	Cloudy	Moderate	Mid-Flood	B	4.7	17:38	11.54	8.96	32.44	24.5	3.07	4	102	0.194	W
B3	20190520	Cloudy	Moderate	Mid-Flood	B	4.7	17:38	12.77	8.85	32.62	24.6	2.97	3	103	0.221	SW
B3	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:39	11.79	9.03	28.16	24.4	2.9	4	103	0.212	NW
B3	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:39	11.91	8.65	28.69	24.4	2.72	4	103	0.179	W
B4	20190520	Cloudy	Moderate	Mid-Flood	B	4.6	17:48	10.98	8.42	32.53	24.4	3.16	5	103	0.17	SW
B4	20190520	Cloudy	Moderate	Mid-Flood	B	4.6	17:48	11.1	8.37	31.32	24.4	3.01	5	103	0.243	W
B4	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:49	11.53	8.71	27.86	24.4	3.09	5	103	0.248	W
B4	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:49	12.9	8.72	27.88	24.5	3.14	4	102	0.157	W
C1A	20190520	Cloudy	Moderate	Mid-Flood	B	9	17:09	11.55	8.75	29.58	24.5	2.89	4	103	0.156	W
C1A	20190520	Cloudy	Moderate	Mid-Flood	B	9	17:09	11.97	8.52	32.51	24.6	2.85	4	102	0.236	W
C1A	20190520	Cloudy	Moderate	Mid-Flood	M	5	17:10	12.11	8.74	27.67	24.6	2.84	4	102	0.155	SW
C1A	20190520	Cloudy	Moderate	Mid-Flood	M	5	17:10	10.62	8.98	29.09	24.5	2.67	4	103	0.151	NW
C1A	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:11	12.61	8.92	31.24	24.5	2.82	6	103	0.15	SW
C1A	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:11	12.77	8.71	33.01	24.5	2.97	5	103	0.176	W
C2A	20190520	Cloudy	Moderate	Mid-Flood	B	10	17:04	12.5	8.36	30.62	24.6	3.37	5	102	0.24	W
C2A	20190520	Cloudy	Moderate	Mid-Flood	B	10	17:04	12.36	8.36	32.24	24.4	3.46	5	102	0.151	W
C2A	20190520	Cloudy	Moderate	Mid-Flood	M	5.5	17:05	9.99	8.3	32.76	24.5	3.41	5	102	0.214	SW
C2A	20190520	Cloudy	Moderate	Mid-Flood	M	5.5	17:05	13.72	8.52	29	24.4	3.4	4	102	0.148	W
C2A	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:06	12.34	8.44	33.38	24.5	3.29	4	102	0.136	SW

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Location	Date	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	Direction in NESW
C2A	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:06	12.72	8.93	33.44	24.4	3.1	4	103	0.169	W
F1A	20190520	Cloudy	Moderate	Mid-Flood	B	7.4	18:15	13.2	8.84	27.27	24.6	3.2	4	103	0.235	W
F1A	20190520	Cloudy	Moderate	Mid-Flood	B	7.4	18:15	9.4	8.61	31.71	24.5	3.2	4	103	0.239	SW
F1A	20190520	Cloudy	Moderate	Mid-Flood	M	4.2	18:16	11.34	8.74	27.83	24.5	3.21	3	103	0.132	SW
F1A	20190520	Cloudy	Moderate	Mid-Flood	M	4.2	18:16	12.12	8.76	32.3	24.5	3.03	4	102	0.149	NW
F1A	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:17	13.81	8.87	30.01	24.6	2.87	2	103	0.209	W
F1A	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:17	11.19	8.51	28.24	24.5	2.68	<2	103	0.203	W
H1	20190520	Cloudy	Moderate	Mid-Flood	B	6.6	17:23	11.67	8.59	27.33	24.5	3.8	5	103	0.209	W
H1	20190520	Cloudy	Moderate	Mid-Flood	B	6.6	17:23	9.95	8.92	29.26	24.5	3.69	6	102	0.16	W
H1	20190520	Cloudy	Moderate	Mid-Flood	M	3.8	17:24	12.6	8.86	30.61	24.5	3.58	5	102	0.231	W
H1	20190520	Cloudy	Moderate	Mid-Flood	M	3.8	17:24	12.51	8.91	28.9	24.5	3.62	6	103	0.173	W
H1	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:25	9.41	8.3	33.17	24.4	3.49	4	103	0.132	W
H1	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:25	13.16	9.04	33.28	24.5	3.38	4	103	0.167	SW
M1	20190520	Cloudy	Moderate	Mid-Flood	B	7.7	18:45	11.87	8.62	28.45	24.4	2.56	4	102	0.182	SW
M1	20190520	Cloudy	Moderate	Mid-Flood	B	7.7	18:45	12.89	8.65	29.92	24.6	2.64	3	103	0.163	W
M1	20190520	Cloudy	Moderate	Mid-Flood	M	4.4	18:46	12.96	8.7	30.43	24.5	2.75	5	103	0.127	W
M1	20190520	Cloudy	Moderate	Mid-Flood	M	4.4	18:46	12.5	8.39	31.55	24.4	2.63	4	103	0.241	SW
M1	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:47	12.15	8.31	29.35	24.6	2.61	4	103	0.131	SW
M1	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:47	10.03	8.79	31.74	24.6	2.56	4	103	0.215	W
CR1	20190520	Cloudy	Moderate	Mid-Flood	B	11.1	18:45	10.96	8.39	32.96	24.6	3.78	2	102	0.159	W
CR1	20190520	Cloudy	Moderate	Mid-Flood	B	11.1	18:45	13.79	9.01	29.69	24.4	3.61	4	102	0.169	W
CR1	20190520	Cloudy	Moderate	Mid-Flood	M	6.1	18:46	13.43	9.02	30.97	24.4	3.65	4	104	0.243	NW
CR1	20190520	Cloudy	Moderate	Mid-Flood	M	6.1	18:46	13.57	8.46	30.55	24.6	3.56	5	103	0.169	W
CR1	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:47	12.25	8.5	30.58	24.5	3.53	3	103	0.195	W
CR1	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:47	9.11	8.32	31.78	24.4	3.69	3	103	0.17	W
CR2	20190520	Cloudy	Moderate	Mid-Flood	B	10.5	18:22	9.34	8.36	30.27	24.5	3.37	4	102	0.19	W
CR2	20190520	Cloudy	Moderate	Mid-Flood	B	10.5	18:22	11.01	8.71	30.96	24.5	3.22	2	103	0.156	W
CR2	20190520	Cloudy	Moderate	Mid-Flood	M	5.8	18:23	9.02	8.5	29.85	24.5	3.2	4	102	0.237	W
CR2	20190520	Cloudy	Moderate	Mid-Flood	M	5.8	18:23	8.99	8.84	31.71	24.6	3.07	2	103	0.213	W
CR2	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:24	13.27	8.8	30.02	24.4	3.24	8	103	0.219	SW
CR2	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:24	12.26	8.32	28.24	24.5	3.19	8	102	0.247	SW
S1	20190520	Cloudy	Moderate	Mid-Flood	B	4	17:44	10.15	8.39	30.17	24.6	3.86	7	103	0.22	W

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Location	Date	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	Direction in NESW
S1	20190520	Cloudy	Moderate	Mid-Flood	B	4	17:44	9.58	8.84	30.15	24.5	3.9	6	102	0.182	NW
S1	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:45	12.33	8.99	32.44	24.4	3.84	4	102	0.127	W
S1	20190520	Cloudy	Moderate	Mid-Flood	S	1	17:45	10.43	9.01	30.55	24.5	3.93	5	103	0.247	SW
S2A	20190520	Cloudy	Moderate	Mid-Flood	B	8	18:11	10.9	8.46	28.67	24.6	3.28	6	103	0.238	SW
S2A	20190520	Cloudy	Moderate	Mid-Flood	B	8	18:11	12.93	8.3	27.98	24.6	3.46	4	103	0.237	SW
S2A	20190520	Cloudy	Moderate	Mid-Flood	M	4.5	18:12	11.21	8.6	31.43	24.5	3.55	6	103	0.23	W
S2A	20190520	Cloudy	Moderate	Mid-Flood	M	4.5	18:12	11.54	8.72	32.88	24.6	3.67	5	102	0.132	W
S2A	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:13	9.01	8.66	30.91	24.5	3.82	5	103	0.231	SW
S2A	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:13	13.04	8.46	30.18	24.4	3.9	4	103	0.211	NW
S3	20190520	Cloudy	Moderate	Mid-Flood	B	8.7	18:34	11.54	8.56	32.31	24.5	3.66	6	103	0.157	W
S3	20190520	Cloudy	Moderate	Mid-Flood	B	8.7	18:34	11.49	8.52	31.97	24.5	3.73	5	104	0.19	W
S3	20190520	Cloudy	Moderate	Mid-Flood	M	4.9	18:35	10.27	8.45	28.41	24.6	3.67	4	102	0.223	SW
S3	20190520	Cloudy	Moderate	Mid-Flood	M	4.9	18:35	9.79	8.32	32.88	24.4	3.87	5	103	0.127	W
S3	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:36	10.88	8.5	33.45	24.6	4.06	4	103	0.203	NW
S3	20190520	Cloudy	Moderate	Mid-Flood	S	1	18:36	12.28	8.66	30.77	24.4	3.92	5	103	0.198	W
B1	20190522	Cloudy	Moderate	Mid-Flood	B	4.5	9:25	13.74	8.9	32.86	22.1	1.74	4	104	0.159	NW
B1	20190522	Cloudy	Moderate	Mid-Flood	B	4.5	9:25	11.78	8.9	29.86	22	1.67	3	105	0.287	W
B1	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:26	11.9	8.38	33.45	22.2	2.07	4	105	0.133	W
B1	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:26	12.11	8.9	27.59	22.1	1.84	5	105	0.225	SW
B2	20190522	Cloudy	Moderate	Mid-Flood	B	4.5	13:46	13.39	8.55	29.16	22.2	1.88	4	104	0.123	SW
B2	20190522	Cloudy	Moderate	Mid-Flood	B	4.5	13:46	12.16	8.98	30.34	22.1	1.41	4	105	0.266	W
B2	20190522	Cloudy	Moderate	Mid-Flood	S	1	13:47	13.09	8.93	30.28	22.2	1.96	4	104	0.133	W
B2	20190522	Cloudy	Moderate	Mid-Flood	S	1	13:47	13.41	8.66	29.06	22.1	2.16	4	105	0.145	NW
B3	20190522	Cloudy	Moderate	Mid-Flood	B	4.2	8:48	13.02	9.01	29.38	22.2	1.63	9	105	0.136	NW
B3	20190522	Cloudy	Moderate	Mid-Flood	B	4.2	8:48	12.59	8.53	30.24	22.1	1.47	8	105	0.187	W
B3	20190522	Cloudy	Moderate	Mid-Flood	S	1	8:49	11.79	8.98	27.27	22	1.97	8	104	0.218	NW
B3	20190522	Cloudy	Moderate	Mid-Flood	S	1	8:49	11.37	8.74	28.09	22.2	1.95	9	105	0.245	SW
B4	20190522	Cloudy	Moderate	Mid-Flood	B	4.2	9:00	13.8	8.7	31.39	22.2	1.84	5	105	0.222	NW
B4	20190522	Cloudy	Moderate	Mid-Flood	B	4.2	9:00	13.29	8.47	30.02	22	1.91	4	104	0.203	NW
B4	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:01	11.11	8.69	30.94	22	1.89	4	104	0.148	W
B4	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:01	13.39	8.99	33.36	22.2	2.04	4	104	0.204	W
C1A	20190522	Cloudy	Moderate	Mid-Flood	B	11	8:59	11.42	8.57	31.82	22.2	1.6	4	105	0.202	SW

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Location	Date	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	Direction in NESW
C1A	20190522	Cloudy	Moderate	Mid-Flood	B	11	8:59	11.36	8.53	33.35	22.1	1.82	4	105	0.249	W
C1A	20190522	Cloudy	Moderate	Mid-Flood	M	6	9:00	12.29	8.72	30.33	22.1	1.75	5	105	0.177	SW
C1A	20190522	Cloudy	Moderate	Mid-Flood	M	6	9:00	13.03	8.64	32.71	22	1.62	4	105	0.27	W
C1A	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:01	11.81	8.4	30.18	22	1.99	4	104	0.132	SW
C1A	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:01	11.01	9	30.5	22.1	2.07	5	104	0.26	NW
C2A	20190522	Cloudy	Moderate	Mid-Flood	B	10.3	8:15	12.04	8.79	32.74	22.2	1.42	4	104	0.18	W
C2A	20190522	Cloudy	Moderate	Mid-Flood	B	10.3	8:15	13.19	8.82	32.77	22.2	1.42	5	105	0.277	SW
C2A	20190522	Cloudy	Moderate	Mid-Flood	M	5.7	8:16	13.74	9.03	30.67	22.2	2.11	4	105	0.268	W
C2A	20190522	Cloudy	Moderate	Mid-Flood	M	5.7	8:16	12.1	8.73	28.55	22	1.97	5	105	0.216	W
C2A	20190522	Cloudy	Moderate	Mid-Flood	S	1	8:17	11.69	8.77	31.57	22	2.29	4	104	0.243	W
C2A	20190522	Cloudy	Moderate	Mid-Flood	S	1	8:17	13.66	8.6	32.95	22	1.83	3	105	0.124	W
F1A	20190522	Cloudy	Moderate	Mid-Flood	B	7.2	9:28	13.18	8.95	30.81	22.1	1.82	6	105	0.124	SW
F1A	20190522	Cloudy	Moderate	Mid-Flood	B	7.2	9:28	12.53	8.68	32.27	22.2	1.62	6	104	0.19	W
F1A	20190522	Cloudy	Moderate	Mid-Flood	M	4.1	9:29	11.91	8.95	30.67	22	2.13	6	105	0.222	W
F1A	20190522	Cloudy	Moderate	Mid-Flood	M	4.1	9:29	12.2	8.58	30.3	22	1.9	6	105	0.221	W
F1A	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:30	13.67	8.93	32.68	22.1	1.84	8	105	0.205	W
F1A	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:30	11.37	8.52	30.37	22.2	2.17	8	106	0.214	W
H1	20190522	Cloudy	Moderate	Mid-Flood	B	7.4	8:33	11.37	8.6	31.39	22	1.54	4	106	0.279	W
H1	20190522	Cloudy	Moderate	Mid-Flood	B	7.4	8:33	13.72	8.87	32.17	22.1	1.49	5	104	0.165	NW
H1	20190522	Cloudy	Moderate	Mid-Flood	M	4.2	8:34	11.94	8.64	29.74	22.2	2.11	5	104	0.232	W
H1	20190522	Cloudy	Moderate	Mid-Flood	M	4.2	8:34	13.79	9	31.88	22.2	1.85	4	105	0.163	W
H1	20190522	Cloudy	Moderate	Mid-Flood	S	1	8:35	13.83	8.95	28.64	22.1	1.86	4	106	0.134	SW
H1	20190522	Cloudy	Moderate	Mid-Flood	S	1	8:35	13.43	8.34	27.92	22	1.73	5	104	0.181	W
M1	20190522	Cloudy	Moderate	Mid-Flood	B	7.4	10:00	12.18	8.35	31.49	22.2	1.53	4	105	0.282	SW
M1	20190522	Cloudy	Moderate	Mid-Flood	B	7.4	10:00	12.56	9.02	30.15	22.2	1.82	3	104	0.221	W
M1	20190522	Cloudy	Moderate	Mid-Flood	M	4.2	10:01	13.43	8.4	28.62	22.1	1.88	4	104	0.149	W
M1	20190522	Cloudy	Moderate	Mid-Flood	M	4.2	10:01	13.81	8.95	32.55	22.2	1.95	4	104	0.233	W
M1	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:02	13.76	8.98	29.39	22	2.14	5	106	0.133	W
M1	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:02	11.8	8.6	32.54	22.2	1.92	5	104	0.204	W
CR1	20190522	Cloudy	Moderate	Mid-Flood	B	12	10:39	11.71	8.33	29.45	22	1.9	4	105	0.227	SW
CR1	20190522	Cloudy	Moderate	Mid-Flood	B	12	10:39	11.34	8.89	28.04	22	1.41	3	104	0.25	NW
CR1	20190522	Cloudy	Moderate	Mid-Flood	M	6.5	10:40	11.83	8.64	30.27	22	1.81	2	104	0.123	NW

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Location	Date	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	Direction in NESW
CR1	20190522	Cloudy	Moderate	Mid-Flood	M	6.5	10:40	12.36	8.82	27.49	22	1.77	2	104	0.212	W
CR1	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:41	12.82	8.71	28.63	22.1	2.1	3	104	0.237	W
CR1	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:41	12.31	8.66	28.68	22.1	1.98	3	106	0.291	SW
CR2	20190522	Cloudy	Moderate	Mid-Flood	B	9.8	10:15	13.69	8.49	29.65	22.2	1.89	6	106	0.278	W
CR2	20190522	Cloudy	Moderate	Mid-Flood	B	9.8	10:15	13.26	8.39	28.45	22.1	1.35	6	104	0.276	W
CR2	20190522	Cloudy	Moderate	Mid-Flood	M	5.4	10:16	11.02	8.45	29.51	22	2	4	105	0.274	W
CR2	20190522	Cloudy	Moderate	Mid-Flood	M	5.4	10:16	13.02	8.46	31.36	22.2	1.93	5	105	0.23	W
CR2	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:17	11.18	8.86	33.29	22.2	1.99	5	106	0.246	W
CR2	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:17	11.11	8.36	30.49	22	2.15	6	104	0.22	W
S1	20190522	Cloudy	Moderate	Mid-Flood	B	4.5	9:35	13.86	8.3	30.41	22.1	1.8	5	105	0.142	W
S1	20190522	Cloudy	Moderate	Mid-Flood	B	4.5	9:35	13.54	8.7	33.1	22.1	1.72	4	105	0.282	SW
S1	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:36	13.56	8.45	28.76	22.1	1.99	5	105	0.166	NW
S1	20190522	Cloudy	Moderate	Mid-Flood	S	1	9:36	11.41	8.73	28.83	22.2	2.21	4	105	0.218	W
S2A	20190522	Cloudy	Moderate	Mid-Flood	B	8.1	10:02	12.96	8.85	31.4	22	1.91	4	104	0.139	NW
S2A	20190522	Cloudy	Moderate	Mid-Flood	B	8.1	10:02	11.22	8.31	28.83	22.2	1.6	3	104	0.184	W
S2A	20190522	Cloudy	Moderate	Mid-Flood	M	4.6	10:03	11.06	8.32	32.61	22.2	1.82	4	105	0.25	W
S2A	20190522	Cloudy	Moderate	Mid-Flood	M	4.6	10:03	13.58	8.97	28.74	22.2	2.1	3	105	0.229	W
S2A	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:04	12.15	8.68	31.33	22.2	1.95	4	104	0.183	SW
S2A	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:04	13.23	8.45	32.05	22.2	1.9	4	104	0.152	W
S3	20190522	Cloudy	Moderate	Mid-Flood	B	9.4	10:26	11.5	8.76	27.8	22.1	1.62	5	105	0.186	W
S3	20190522	Cloudy	Moderate	Mid-Flood	B	9.4	10:26	13.23	8.39	28.6	22.1	1.67	4	105	0.24	SW
S3	20190522	Cloudy	Moderate	Mid-Flood	M	5.2	10:27	11.91	8.7	32.32	22	1.92	4	106	0.137	NW
S3	20190522	Cloudy	Moderate	Mid-Flood	M	5.2	10:27	11.69	8.45	29.46	22	2.03	4	105	0.28	W
S3	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:28	12.16	8.4	27.27	22	2.26	6	104	0.224	W
S3	20190522	Cloudy	Moderate	Mid-Flood	S	1	10:28	10.94	8.49	31.36	22.1	1.92	6	105	0.206	W
B1	20190522	Cloudy	Moderate	Mid-Ebb	B	4.8	13:25	12.8	8.62	32.77	25.4	1.97	6	105	0.185	SE
B1	20190522	Cloudy	Moderate	Mid-Ebb	B	4.8	13:25	13.24	8.67	28.48	25.6	1.74	5	104	0.178	S
B1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:26	13.78	8.69	32.91	25.6	2.24	4	106	0.153	SE
B1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:26	11.69	8.87	33.28	25.4	2.05	4	105	0.2	S
B2	20190522	Cloudy	Moderate	Mid-Ebb	B	4.7	13:45	11.67	8.56	27.77	25.5	1.54	6	105	0.133	SE
B2	20190522	Cloudy	Moderate	Mid-Ebb	B	4.7	13:45	12.69	8.55	29.53	25.6	1.61	6	105	0.129	SE
B2	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:46	12.63	8.76	31.23	25.5	1.7	5	105	0.195	S

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Location	Date	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	Direction in NESW
B2	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:46	12.18	8.42	27.58	25.5	1.98	5	105	0.076	SE
B3	20190522	Cloudy	Moderate	Mid-Ebb	B	4.7	13:46	13.01	8.72	27.54	25.7	1.52	6	104	0.102	S
B3	20190522	Cloudy	Moderate	Mid-Ebb	B	4.7	13:46	12.75	8.91	27.65	25.5	1.93	6	105	0.182	S
B3	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:47	11.12	8.86	29.68	25.4	2.24	6	104	0.232	SE
B3	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:47	11.99	8.93	27.48	25.4	2.05	6	105	0.216	S
B4	20190522	Cloudy	Moderate	Mid-Ebb	B	4.4	13:58	13.85	8.47	28.18	25.6	1.56	7	105	0.224	SE
B4	20190522	Cloudy	Moderate	Mid-Ebb	B	4.4	13:58	12.88	8.5	31.44	25.6	1.73	6	105	0.217	SE
B4	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:59	13.52	8.92	32.17	25.5	2.17	5	104	0.209	S
B4	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:59	13.18	8.95	33.33	25.4	1.93	6	104	0.184	S
C1A	20190522	Cloudy	Moderate	Mid-Ebb	B	8.3	13:00	10.98	8.82	29.79	25.7	1.81	5	105	0.078	SE
C1A	20190522	Cloudy	Moderate	Mid-Ebb	B	8.3	13:00	13.23	8.5	30.1	25.5	1.71	5	105	0.164	S
C1A	20190522	Cloudy	Moderate	Mid-Ebb	M	4.7	13:01	13.29	8.46	28.3	25.5	2.06	5	105	0.128	E
C1A	20190522	Cloudy	Moderate	Mid-Ebb	M	4.7	13:01	11.87	8.88	30.77	25.5	1.86	5	106	0.166	SE
C1A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:02	13.8	8.59	27.32	25.7	2.1	4	104	0.191	SE
C1A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:02	13.85	8.47	28.98	25.4	1.8	5	105	0.174	SE
C2A	20190522	Cloudy	Moderate	Mid-Ebb	B	10.4	13:11	13.07	8.55	31.12	25.4	1.94	3	104	0.167	E
C2A	20190522	Cloudy	Moderate	Mid-Ebb	B	10.4	13:11	11.75	9.03	28.32	25.6	1.81	3	104	0.128	E
C2A	20190522	Cloudy	Moderate	Mid-Ebb	M	5.7	13:12	12.15	9.03	33.43	25.5	2.04	4	105	0.156	SE
C2A	20190522	Cloudy	Moderate	Mid-Ebb	M	5.7	13:12	12.49	8.77	31.05	25.6	1.61	4	104	0.226	SE
C2A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:13	12.85	8.73	32.95	25.4	2.23	4	106	0.095	S
C2A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:13	13.35	8.7	30.55	25.6	1.69	4	104	0.202	E
F1A	20190522	Cloudy	Moderate	Mid-Ebb	B	7.6	14:23	11.78	8.62	32.86	25.5	1.62	4	104	0.177	S
F1A	20190522	Cloudy	Moderate	Mid-Ebb	B	7.6	14:23	12.55	8.91	31.83	25.7	1.78	4	105	0.17	SE
F1A	20190522	Cloudy	Moderate	Mid-Ebb	M	4.3	14:24	12.91	8.68	32.53	25.5	1.62	6	104	0.181	S
F1A	20190522	Cloudy	Moderate	Mid-Ebb	M	4.3	14:24	12.94	8.78	28.84	25.7	1.84	5	104	0.105	S
F1A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:25	12.26	8.39	32.45	25.5	1.94	5	104	0.089	SE
F1A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:25	12.12	8.45	31.19	25.6	2.16	5	105	0.148	S
H1	20190522	Cloudy	Moderate	Mid-Ebb	B	7.4	13:29	11.19	8.59	29.14	25.4	1.81	6	104	0.188	E
H1	20190522	Cloudy	Moderate	Mid-Ebb	B	7.4	13:29	13.2	8.65	31.24	25.6	1.61	6	104	0.158	SE
H1	20190522	Cloudy	Moderate	Mid-Ebb	M	4.2	13:30	12.57	8.41	31.18	25.7	1.66	6	106	0.171	SE
H1	20190522	Cloudy	Moderate	Mid-Ebb	M	4.2	13:30	11.28	8.99	30.66	25.6	1.6	6	103	0.181	SE
H1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:31	13.17	8.77	28.45	25.6	1.86	5	105	0.174	SE

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
H1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:31	13.7	8.36	29.41	25.5	1.92	6	104	0.246	E
M1	20190522	Cloudy	Moderate	Mid-Ebb	B	8.1	14:59	12.27	8.83	33.05	25.5	1.94	6	105	0.092	E
M1	20190522	Cloudy	Moderate	Mid-Ebb	B	8.1	14:59	11.66	8.75	27.88	25.5	1.7	7	105	0.163	SE
M1	20190522	Cloudy	Moderate	Mid-Ebb	M	4.6	15:00	12.5	8.48	28.39	25.5	1.95	6	105	0.187	E
M1	20190522	Cloudy	Moderate	Mid-Ebb	M	4.6	15:00	11.66	8.36	28.43	25.6	1.97	5	105	0.115	SE
M1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	15:01	13.51	8.37	28.54	25.5	1.99	5	104	0.161	S
M1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	15:01	12.93	8.69	32.23	25.5	2.15	5	104	0.105	S
CR1	20190522	Cloudy	Moderate	Mid-Ebb	B	12.1	14:40	12.21	8.89	29.71	25.6	1.78	5	104	0.127	E
CR1	20190522	Cloudy	Moderate	Mid-Ebb	B	12.1	14:40	12.8	8.43	29.99	25.6	1.59	6	105	0.123	SE
CR1	20190522	Cloudy	Moderate	Mid-Ebb	M	6.6	14:41	11.42	9.03	29.98	25.6	1.71	6	104	0.196	E
CR1	20190522	Cloudy	Moderate	Mid-Ebb	M	6.6	14:41	12	8.69	32.03	25.6	1.75	6	104	0.091	S
CR1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:42	11.95	8.62	29.27	25.6	1.97	7	104	0.099	SE
CR1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:42	11.57	8.33	33.21	25.5	2.16	6	104	0.095	S
CR2	20190522	Cloudy	Moderate	Mid-Ebb	B	10.7	14:16	11.12	8.46	30.76	25.4	1.81	7	104	0.211	E
CR2	20190522	Cloudy	Moderate	Mid-Ebb	B	10.7	14:16	13.02	8.7	27.88	25.7	1.74	8	104	0.078	SE
CR2	20190522	Cloudy	Moderate	Mid-Ebb	M	5.9	14:17	11.13	8.4	28.65	25.4	1.99	7	105	0.199	S
CR2	20190522	Cloudy	Moderate	Mid-Ebb	M	5.9	14:17	13.82	8.76	28.44	25.7	2.13	6	104	0.076	SE
CR2	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:18	11.65	9.03	28.59	25.4	2.15	6	104	0.116	SE
CR2	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:18	12.62	8.4	28.62	25.6	1.92	6	104	0.17	SE
S1	20190522	Cloudy	Moderate	Mid-Ebb	B	4.4	13:36	11.07	8.81	27.88	25.5	1.55	6	106	0.227	E
S1	20190522	Cloudy	Moderate	Mid-Ebb	B	4.4	13:36	11.01	8.54	33.29	25.6	1.91	7	106	0.163	SE
S1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:37	13.06	8.88	31.83	25.6	2.11	6	104	0.207	S
S1	20190522	Cloudy	Moderate	Mid-Ebb	S	1	13:37	12.88	8.32	30.93	25.5	2.1	7	105	0.228	S
S2A	20190522	Cloudy	Moderate	Mid-Ebb	B	7.9	14:01	13.56	8.51	29.03	25.7	1.63	5	104	0.164	SE
S2A	20190522	Cloudy	Moderate	Mid-Ebb	B	7.9	14:01	13.23	8.33	28.59	25.5	1.81	6	104	0.187	SE
S2A	20190522	Cloudy	Moderate	Mid-Ebb	M	4.5	14:02	13.12	8.56	31.19	25.5	1.96	7	105	0.247	E
S2A	20190522	Cloudy	Moderate	Mid-Ebb	M	4.5	14:02	13.91	8.5	29.93	25.4	1.83	6	105	0.23	S
S2A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:03	12.78	8.71	29.73	25.7	1.69	4	105	0.238	SE
S2A	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:03	11.93	8.8	30.69	25.4	1.75	3	105	0.187	S
S3	20190522	Cloudy	Moderate	Mid-Ebb	B	10.1	14:25	11.72	9.04	30.31	25.7	1.88	4	105	0.223	SE
S3	20190522	Cloudy	Moderate	Mid-Ebb	B	10.1	14:25	13.35	8.5	32.04	25.5	1.98	3	104	0.186	SE
S3	20190522	Cloudy	Moderate	Mid-Ebb	M	5.6	14:26	13.75	8.4	32.88	25.6	2.12	4	105	0.088	S



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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
S3	20190522	Cloudy	Moderate	Mid-Ebb	M	5.6	14:26	11.27	8.6	32.2	25.5	1.8	4	104	0.234	SE
S3	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:27	12.75	8.75	28.85	25.6	1.76	3	105	0.139	SE
S3	20190522	Cloudy	Moderate	Mid-Ebb	S	1	14:27	10.97	8.83	32.73	25.5	1.75	4	104	0.219	SE
B1	20190524	Cloudy	Moderate	Mid-Flood	B	4.8	10:31	11.07	9.04	31.59	23.1	2.23	6	105	0.154	W
B1	20190524	Cloudy	Moderate	Mid-Flood	B	4.8	10:31	12.52	8.6	28.65	23.2	2.16	5	105	0.248	NW
B1	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:32	11.93	8.76	33.37	23.1	2.14	4	103	0.215	W
B1	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:32	11.66	8.98	29.68	23.1	2.14	3	105	0.228	W
B2	20190524	Cloudy	Moderate	Mid-Flood	B	4.5	10:54	13.78	8.84	29.82	23.2	2.38	6	105	0.158	SW
B2	20190524	Cloudy	Moderate	Mid-Flood	B	4.5	10:54	11.35	9.04	29.67	23.2	2.35	5	105	0.194	W
B2	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:55	12.14	9	27.99	23.1	2.18	5	105	0.207	W
B2	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:55	13.14	8.5	31.9	23.2	2.08	5	106	0.16	SW
B3	20190524	Cloudy	Moderate	Mid-Flood	B	4.7	9:41	12.14	8.86	30.51	23.2	2.41	5	105	0.175	W
B3	20190524	Cloudy	Moderate	Mid-Flood	B	4.7	9:41	13.65	8.86	31.6	23.1	2.33	6	104	0.226	SW
B3	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:42	11.56	8.44	29.61	23.1	2.33	4	105	0.242	SW
B3	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:42	12.77	8.8	32.4	23.1	2.42	4	104	0.25	NW
B4	20190524	Cloudy	Moderate	Mid-Flood	B	4.5	9:54	12.06	8.35	31.95	23.2	1.75	2	105	0.153	SW
B4	20190524	Cloudy	Moderate	Mid-Flood	B	4.5	9:54	11.63	8.81	31.51	23.2	1.56	3	105	0.187	W
B4	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:55	11.15	8.64	30.46	23.2	1.64	4	105	0.221	NW
B4	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:55	13.16	8.31	32.76	23.2	1.53	4	104	0.209	SW
C1A	20190524	Cloudy	Moderate	Mid-Flood	B	9.1	9:42	12.08	8.7	31.61	23.1	2.44	4	104	0.239	W
C1A	20190524	Cloudy	Moderate	Mid-Flood	B	9.1	9:42	12.45	8.89	33.12	23.1	2.27	4	106	0.134	W
C1A	20190524	Cloudy	Moderate	Mid-Flood	M	5.1	9:43	13.75	8.62	28.52	23.2	2.34	3	106	0.149	NW
C1A	20190524	Cloudy	Moderate	Mid-Flood	M	5.1	9:43	12.37	8.73	27.31	23.2	2.17	3	106	0.23	W
C1A	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:44	11.55	8.64	33.06	23.1	2.06	3	105	0.187	W
C1A	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:44	12.02	8.55	30.03	23.1	2.13	3	104	0.164	W
C2A	20190524	Cloudy	Moderate	Mid-Flood	B	10.9	9:07	12.38	8.95	28.11	23.2	2.4	3	105	0.182	SW
C2A	20190524	Cloudy	Moderate	Mid-Flood	B	10.9	9:07	12.87	8.98	28.83	23.1	2.36	3	104	0.204	W
C2A	20190524	Cloudy	Moderate	Mid-Flood	M	6	9:08	11.31	8.77	31.01	23.2	2.51	5	105	0.214	W
C2A	20190524	Cloudy	Moderate	Mid-Flood	M	6	9:08	12.9	8.46	32.67	23.2	2.49	5	105	0.244	SW
C2A	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:09	13.15	8.72	33.37	23.1	2.57	5	106	0.204	SW
C2A	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:09	11.63	8.36	28.74	23.2	2.49	4	104	0.123	W
F1A	20190524	Cloudy	Moderate	Mid-Flood	B	6.7	10:20	11	8.35	33.07	23.1	2.34	5	104	0.189	W

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Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
F1A	20190524	Cloudy	Moderate	Mid-Flood	B	6.7	10:20	12.32	9	30.51	23.2	2.43	5	105	0.196	SW
F1A	20190524	Cloudy	Moderate	Mid-Flood	M	3.9	10:21	12.18	8.52	27.78	23.1	2.23	4	104	0.177	W
F1A	20190524	Cloudy	Moderate	Mid-Flood	M	3.9	10:21	11.58	8.31	31.74	23.1	2.11	4	105	0.167	SW
F1A	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:22	11.51	8.71	33.34	23.2	1.91	6	105	0.198	W
F1A	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:22	13.01	8.81	32.15	23.2	1.84	4	104	0.124	W
H1	20190524	Cloudy	Moderate	Mid-Flood	B	7.6	9:25	11.74	8.68	29.41	23.2	1.85	5	103	0.199	W
H1	20190524	Cloudy	Moderate	Mid-Flood	B	7.6	9:25	13.84	8.5	29.91	23.2	1.82	5	105	0.246	W
H1	20190524	Cloudy	Moderate	Mid-Flood	M	4.3	9:26	13.24	8.6	29.76	23.2	1.87	4	104	0.209	W
H1	20190524	Cloudy	Moderate	Mid-Flood	M	4.3	9:26	10.98	8.66	32.07	23.1	1.75	4	104	0.226	W
H1	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:27	12.52	8.43	27.66	23.2	1.83	4	105	0.18	W
H1	20190524	Cloudy	Moderate	Mid-Flood	S	1	9:27	12.54	8.45	27.39	23.2	1.91	3	104	0.163	W
M1	20190524	Cloudy	Moderate	Mid-Flood	B	7.4	11:00	11.22	8.99	30.95	23.1	2.22	3	104	0.212	W
M1	20190524	Cloudy	Moderate	Mid-Flood	B	7.4	11:00	12.21	8.33	30.91	23.2	2.4	4	104	0.123	W
M1	20190524	Cloudy	Moderate	Mid-Flood	M	4.2	11:01	11.1	8.61	28.49	23.2	2.41	3	105	0.159	SW
M1	20190524	Cloudy	Moderate	Mid-Flood	M	4.2	11:01	12.4	8.78	29.16	23.1	2.61	4	105	0.228	SW
M1	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:02	11.88	8.75	33.09	23.2	2.79	4	106	0.188	W
M1	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:02	13.43	9	29.88	23.2	2.77	4	105	0.228	SW
CR1	20190524	Cloudy	Moderate	Mid-Flood	B	11.4	11:48	11.62	8.86	32.37	23.2	2.04	3	105	0.212	W
CR1	20190524	Cloudy	Moderate	Mid-Flood	B	11.4	11:48	11.71	8.78	32.36	23.1	2.1	3	105	0.129	W
CR1	20190524	Cloudy	Moderate	Mid-Flood	M	6.2	11:49	11.31	8.68	27.63	23.1	2.27	3	104	0.241	W
CR1	20190524	Cloudy	Moderate	Mid-Flood	M	6.2	11:49	13.13	8.69	27.81	23.1	2.41	4	105	0.17	W
CR1	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:50	11.83	8.93	29.09	23.2	2.38	2	105	0.183	W
CR1	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:50	13.09	8.76	28.57	23.1	2.55	4	105	0.161	W
CR2	20190524	Cloudy	Moderate	Mid-Flood	B	9.9	11:24	13.82	9.01	31.23	23.2	1.85	6	105	0.241	SW
CR2	20190524	Cloudy	Moderate	Mid-Flood	B	9.9	11:24	13.5	8.57	33.14	23.2	1.75	6	105	0.232	W
CR2	20190524	Cloudy	Moderate	Mid-Flood	M	5.5	11:25	11.05	8.32	31.82	23.1	1.67	5	105	0.137	W
CR2	20190524	Cloudy	Moderate	Mid-Flood	M	5.5	11:25	12.47	8.62	31.66	23.2	1.78	5	104	0.137	W
CR2	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:26	11.11	9.04	32.44	23.2	1.89	5	104	0.177	SW
CR2	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:26	12.05	8.58	31.48	23.1	2.02	5	105	0.128	W
S1	20190524	Cloudy	Moderate	Mid-Flood	B	4.6	10:40	13.52	8.89	33.06	23.1	2	4	104	0.215	SW
S1	20190524	Cloudy	Moderate	Mid-Flood	B	4.6	10:40	13.64	8.73	27.83	23.2	1.85	3	104	0.249	W
S1	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:41	12.03	8.53	31.06	23.1	1.83	4	104	0.122	W

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
S1	20190524	Cloudy	Moderate	Mid-Flood	S	1	10:41	12.95	8.71	32.57	23.2	1.95	4	103	0.207	W
S2A	20190524	Cloudy	Moderate	Mid-Flood	B	8.7	11:08	12.73	8.7	29.11	23.2	1.97	4	104	0.238	SW
S2A	20190524	Cloudy	Moderate	Mid-Flood	B	8.7	11:08	10.96	8.71	31.02	23.1	2.05	5	104	0.226	W
S2A	20190524	Cloudy	Moderate	Mid-Flood	M	4.9	11:09	12.37	8.92	30.5	23.2	2.22	6	104	0.161	SW
S2A	20190524	Cloudy	Moderate	Mid-Flood	M	4.9	11:09	13.74	8.76	33.17	23.2	2.28	6	105	0.195	W
S2A	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:10	12.44	8.86	29.89	23.1	2.31	5	104	0.214	NW
S2A	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:10	11.65	9	29.57	23.2	2.51	6	104	0.185	W
S3	20190524	Cloudy	Moderate	Mid-Flood	B	9.4	11:34	11.02	8.5	29.3	23.2	1.6	7	104	0.141	NW
S3	20190524	Cloudy	Moderate	Mid-Flood	B	9.4	11:34	11.6	8.68	29.56	23.2	1.71	6	105	0.235	W
S3	20190524	Cloudy	Moderate	Mid-Flood	M	5.2	11:35	11.06	8.9	28.63	23.2	1.59	6	104	0.194	W
S3	20190524	Cloudy	Moderate	Mid-Flood	M	5.2	11:35	13.87	8.78	27.74	23.2	1.54	6	105	0.239	W
S3	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:36	12.84	8.63	30.45	23.1	1.68	5	105	0.159	W
S3	20190524	Cloudy	Moderate	Mid-Flood	S	1	11:36	13.43	9.01	32.35	23.1	1.88	5	105	0.228	W
B1	20190524	Cloudy	Moderate	Mid-Ebb	B	4.3	14:30	12.02	8.41	29.34	23.5	2.28	4	105	0.155	S
B1	20190524	Cloudy	Moderate	Mid-Ebb	B	4.3	14:30	11.26	8.63	28.51	23.7	2.47	5	103	0.114	SE
B1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:31	11.61	8.84	32.11	23.6	2.29	6	104	0.12	E
B1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:31	13.11	8.81	31.1	23.7	2.18	6	104	0.142	SE
B2	20190524	Cloudy	Moderate	Mid-Ebb	B	4.5	14:52	12.61	8.67	31.8	23.6	1.79	4	105	0.19	SE
B2	20190524	Cloudy	Moderate	Mid-Ebb	B	4.5	14:52	13.47	8.33	30.06	23.6	1.8	5	103	0.084	E
B2	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:53	11.74	8.37	32.15	23.6	1.65	4	105	0.11	SE
B2	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:53	12.73	8.97	29.2	23.7	1.49	3	105	0.106	E
B3	20190524	Cloudy	Moderate	Mid-Ebb	B	4.4	14:51	13.4	8.49	30.03	23.6	1.86	5	104	0.248	E
B3	20190524	Cloudy	Moderate	Mid-Ebb	B	4.4	14:51	13.6	8.5	30.18	23.7	1.75	6	105	0.204	SE
B3	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:52	13.36	8.66	28.8	23.7	1.69	5	105	0.106	SE
B3	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:52	11.77	8.68	29.49	23.6	1.58	6	105	0.098	SE
B4	20190524	Cloudy	Moderate	Mid-Ebb	B	4.6	13:03	12.85	8.3	28.01	23.6	2.23	3	104	0.208	S
B4	20190524	Cloudy	Moderate	Mid-Ebb	B	4.6	13:03	11.51	8.51	32.42	23.6	2.12	4	104	0.201	S
B4	20190524	Cloudy	Moderate	Mid-Ebb	S	1	13:04	11.95	8.7	27.64	23.6	1.94	5	105	0.141	S
B4	20190524	Cloudy	Moderate	Mid-Ebb	S	1	13:04	13.77	8.59	32.46	23.6	2.02	4	104	0.179	S
C1A	20190524	Cloudy	Moderate	Mid-Ebb	B	9.3	14:04	11.1	8.34	29.8	23.5	2.46	5	104	0.251	SE
C1A	20190524	Cloudy	Moderate	Mid-Ebb	B	9.3	14:04	11.56	8.6	33.17	23.7	2.37	4	104	0.154	SE

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
C1A	20190524	Cloudy	Moderate	Mid-Ebb	M	5.2	14:05	13.28	8.59	31.29	23.7	2.21	6	105	0.178	E
C1A	20190524	Cloudy	Moderate	Mid-Ebb	M	5.2	14:05	11.02	8.59	31.59	23.7	2.03	6	105	0.128	SE
C1A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:06	12.47	8.71	28.97	23.6	2.07	7	104	0.197	SE
C1A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:06	13.01	8.45	29.74	23.7	2.01	7	103	0.235	SE
C2A	20190524	Cloudy	Moderate	Mid-Ebb	B	10.6	14:17	12.63	8.69	27.52	23.7	1.68	7	104	0.174	E
C2A	20190524	Cloudy	Moderate	Mid-Ebb	B	10.6	14:17	12.23	8.79	27.57	23.6	1.8	6	104	0.125	SE
C2A	20190524	Cloudy	Moderate	Mid-Ebb	M	5.8	14:18	11.08	8.83	29.79	23.6	1.87	5	104	0.087	E
C2A	20190524	Cloudy	Moderate	Mid-Ebb	M	5.8	14:18	12.16	8.91	32.3	23.6	1.86	5	103	0.225	S
C2A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:19	10.97	8.4	27.67	23.6	1.78	4	104	0.217	SE
C2A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:19	13.91	8.41	30.56	23.5	1.79	3	104	0.246	S
F1A	20190524	Cloudy	Moderate	Mid-Ebb	B	7.7	15:32	12.74	8.47	31.12	23.6	2.43	4	104	0.21	SE
F1A	20190524	Cloudy	Moderate	Mid-Ebb	B	7.7	15:32	12.59	8.31	28.9	23.6	2.55	5	103	0.124	SE
F1A	20190524	Cloudy	Moderate	Mid-Ebb	M	4.4	15:33	12.27	8.44	32.7	23.5	2.62	5	104	0.086	SE
F1A	20190524	Cloudy	Moderate	Mid-Ebb	M	4.4	15:33	10.98	8.86	28.67	23.5	2.43	4	104	0.157	E
F1A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:34	13.78	8.71	28.76	23.6	2.24	7	104	0.193	SE
F1A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:34	12.38	8.69	30.7	23.5	2.04	8	104	0.21	S
H1	20190524	Cloudy	Moderate	Mid-Ebb	B	7.1	14:36	11.89	8.57	28.13	23.5	2.08	3	104	0.234	SE
H1	20190524	Cloudy	Moderate	Mid-Ebb	B	7.1	14:36	11.91	8.59	27.72	23.7	2.17	3	104	0.205	SE
H1	20190524	Cloudy	Moderate	Mid-Ebb	M	4.1	14:37	13.92	8.4	30.3	23.6	1.99	4	104	0.163	S
H1	20190524	Cloudy	Moderate	Mid-Ebb	M	4.1	14:37	11.05	8.65	28.33	23.5	1.88	4	103	0.197	E
H1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:38	12.47	8.75	29.41	23.7	1.99	6	104	0.076	E
H1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:38	12.4	8.84	28.95	23.5	1.8	5	104	0.191	SE
M1	20190524	Cloudy	Moderate	Mid-Ebb	B	7.9	16:06	13.28	8.4	28.49	23.7	2.25	10	104	0.212	SE
M1	20190524	Cloudy	Moderate	Mid-Ebb	B	7.9	16:06	13.25	8.45	27.51	23.7	2.06	10	104	0.128	E
M1	20190524	Cloudy	Moderate	Mid-Ebb	M	4.5	16:07	11.76	8.96	29.53	23.6	2.26	7	104	0.11	S
M1	20190524	Cloudy	Moderate	Mid-Ebb	M	4.5	16:07	11.75	8.72	28.72	23.7	2.45	8	105	0.236	SE
M1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	16:08	10.95	8.51	33.05	23.6	2.39	6	104	0.251	SE
M1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	16:08	11.74	8.55	29.33	23.6	2.26	6	103	0.087	E
CR1	20190524	Cloudy	Moderate	Mid-Ebb	B	12.7	15:47	11.79	8.93	28	23.6	2.09	7	104	0.207	S
CR1	20190524	Cloudy	Moderate	Mid-Ebb	B	12.7	15:47	13.34	9.02	28.06	23.6	1.9	6	104	0.129	E
CR1	20190524	Cloudy	Moderate	Mid-Ebb	M	6.9	15:48	13.78	8.65	27.55	23.7	1.99	6	104	0.235	S

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Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
CR1	20190524	Cloudy	Moderate	Mid-Ebb	M	6.9	15:48	12.38	8.96	28.19	23.7	1.9	6	105	0.252	E
CR1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:49	11.01	8.51	29.9	23.5	1.91	6	105	0.152	S
CR1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:49	12.42	8.42	28.87	23.6	2	7	104	0.141	E
CR2	20190524	Cloudy	Moderate	Mid-Ebb	B	11.1	15:24	11.94	8.35	30.19	23.5	2.44	5	104	0.233	S
CR2	20190524	Cloudy	Moderate	Mid-Ebb	B	11.1	15:24	12.65	8.48	27.35	23.7	2.38	6	104	0.207	SE
CR2	20190524	Cloudy	Moderate	Mid-Ebb	M	6.1	15:25	13.14	8.91	32.04	23.5	2.5	5	104	0.24	SE
CR2	20190524	Cloudy	Moderate	Mid-Ebb	M	6.1	15:25	13.23	8.45	32.81	23.6	2.3	5	103	0.137	SE
CR2	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:26	12.7	8.31	28.23	23.6	2.31	5	104	0.182	E
CR2	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:26	12.62	8.81	30.25	23.6	2.34	5	104	0.252	SE
S1	20190524	Cloudy	Moderate	Mid-Ebb	B	4.2	14:42	11.07	8.9	30.57	23.5	2.08	6	104	0.121	SE
S1	20190524	Cloudy	Moderate	Mid-Ebb	B	4.2	14:42	13.89	8.43	28.67	23.6	1.93	8	104	0.18	SE
S1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:43	10.95	8.32	30.74	23.7	1.93	8	105	0.248	S
S1	20190524	Cloudy	Moderate	Mid-Ebb	S	1	14:43	11.27	8.55	31.6	23.6	1.95	7	104	0.139	SE
S2A	20190524	Cloudy	Moderate	Mid-Ebb	B	8	15:09	13.66	8.57	27.35	23.5	2.48	5	104	0.198	SE
S2A	20190524	Cloudy	Moderate	Mid-Ebb	B	8	15:09	11.4	8.62	31.27	23.7	2.33	5	104	0.167	SE
S2A	20190524	Cloudy	Moderate	Mid-Ebb	M	4.5	15:10	11.05	8.77	27.65	23.5	2.28	6	104	0.172	S
S2A	20190524	Cloudy	Moderate	Mid-Ebb	M	4.5	15:10	12.88	8.57	28.17	23.6	2.17	4	104	0.194	SE
S2A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:11	13.5	8.92	29.51	23.7	2.08	5	103	0.132	S
S2A	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:11	12.38	8.91	28.63	23.6	2.08	6	104	0.222	S
S3	20190524	Cloudy	Moderate	Mid-Ebb	B	9.9	15:34	12.44	9.04	30.62	23.6	1.79	7	104	0.233	S
S3	20190524	Cloudy	Moderate	Mid-Ebb	B	9.9	15:34	11.49	8.3	30.92	23.6	1.83	7	104	0.089	SE
S3	20190524	Cloudy	Moderate	Mid-Ebb	M	5.5	15:35	13.85	8.33	31.5	23.6	1.83	4	104	0.174	SE
S3	20190524	Cloudy	Moderate	Mid-Ebb	M	5.5	15:35	12.97	8.97	33.39	23.7	1.93	5	104	0.118	SE
S3	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:36	13.78	8.65	31.93	23.6	1.76	4	103	0.097	S
S3	20190524	Cloudy	Moderate	Mid-Ebb	S	1	15:36	11.4	8.55	29.72	23.6	1.81	4	104	0.08	E
B1	20190527	Cloudy	Moderate	Mid-Flood	B	4.5	11:38	11.02	8.76	31.38	24.6	1.83	4	104	0.168	NW
B1	20190527	Cloudy	Moderate	Mid-Flood	B	4.5	11:38	12.33	8.41	29.82	24.5	1.77	4	104	0.282	SW
B1	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:39	11.49	8.72	33.35	24.4	1.88	3	104	0.309	W
B1	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:39	12.77	8.69	28.53	24.3	2.08	4	105	0.168	NW
B2	20190527	Cloudy	Moderate	Mid-Flood	B	4.5	11:57	11.2	8.73	30.26	24.3	1.46	4	106	0.196	W
B2	20190527	Cloudy	Moderate	Mid-Flood	B	4.5	11:57	10.97	8.73	28.06	24.4	1.55	5	105	0.22	W

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Location	Date	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	Direction in NESW
B2	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:58	13.54	8.56	28.65	24.4	2.27	3	105	0.222	W
B2	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:58	13	8.97	27.38	24.3	2.18	3	104	0.312	SW
B3	20190527	Cloudy	Moderate	Mid-Flood	B	4.9	10:57	10.94	8.77	28.55	24.4	1.48	4	104	0.292	NW
B3	20190527	Cloudy	Moderate	Mid-Flood	B	4.9	10:57	11.45	8.86	27.49	24.4	1.72	4	104	0.234	W
B3	20190527	Cloudy	Moderate	Mid-Flood	S	1	10:58	13.89	8.6	31.48	24.6	2.07	4	104	0.156	W
B3	20190527	Cloudy	Moderate	Mid-Flood	S	1	10:58	13.65	8.36	31.68	24.3	2.23	4	104	0.257	NW
B4	20190527	Cloudy	Moderate	Mid-Flood	B	4.9	11:08	11.58	8.58	27.91	24.3	1.68	4	105	0.243	SW
B4	20190527	Cloudy	Moderate	Mid-Flood	B	4.9	11:08	11.27	8.72	30.74	24.5	1.47	5	104	0.196	W
B4	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:09	13.34	8.75	32.13	24.5	1.81	4	104	0.297	W
B4	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:09	12.55	8.64	30.19	24.3	2.16	6	106	0.278	NW
C1A	20190527	Cloudy	Moderate	Mid-Flood	B	9.2	11:12	12.63	8.43	31.01	24.5	1.74	3	105	0.299	W
C1A	20190527	Cloudy	Moderate	Mid-Flood	B	9.2	11:12	13.18	8.73	32.4	24.5	1.61	3	103	0.237	SW
C1A	20190527	Cloudy	Moderate	Mid-Flood	M	5.1	11:13	12.52	8.43	28.86	24.4	2.13	6	104	0.152	W
C1A	20190527	Cloudy	Moderate	Mid-Flood	M	5.1	11:13	11.53	8.41	32.02	24.5	2.01	4	105	0.222	NW
C1A	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:14	11.27	8.89	31.53	24.6	1.82	6	104	0.271	SW
C1A	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:14	11.92	8.45	30.92	24.4	1.72	5	105	0.289	W
C2A	20190527	Cloudy	Moderate	Mid-Flood	B	10.4	10:24	11.83	8.38	30.22	24.5	1.68	6	104	0.234	W
C2A	20190527	Cloudy	Moderate	Mid-Flood	B	10.4	10:24	13.01	8.69	28.52	24.4	1.74	6	104	0.281	SW
C2A	20190527	Cloudy	Moderate	Mid-Flood	M	5.7	10:25	11.21	8.37	30.32	24.4	2.11	5	103	0.199	SW
C2A	20190527	Cloudy	Moderate	Mid-Flood	M	5.7	10:25	13.54	8.33	30.44	24.6	1.95	4	103	0.184	W
C2A	20190527	Cloudy	Moderate	Mid-Flood	S	1	10:26	13.89	8.85	27.53	24.4	2.05	5	106	0.209	W
C2A	20190527	Cloudy	Moderate	Mid-Flood	S	1	10:26	11.12	8.45	30.87	24.3	2.05	4	105	0.233	W
F1A	20190527	Cloudy	Moderate	Mid-Flood	B	7.8	11:37	11	8.41	31.38	24.3	1.69	4	103	0.234	W
F1A	20190527	Cloudy	Moderate	Mid-Flood	B	7.8	11:37	11.84	8.72	32.31	24.6	1.43	3	103	0.18	W
F1A	20190527	Cloudy	Moderate	Mid-Flood	M	4.4	11:38	12.59	8.83	29.46	24.4	1.72	3	105	0.157	SW
F1A	20190527	Cloudy	Moderate	Mid-Flood	M	4.4	11:38	11.74	8.69	31.33	24.6	1.87	4	103	0.211	SW
F1A	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:39	12.23	9.01	32.39	24.3	1.77	3	103	0.298	W
F1A	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:39	11.97	8.89	27.83	24.6	2	4	103	0.265	W
H1	20190527	Cloudy	Moderate	Mid-Flood	B	7.2	10:45	12.67	8.8	27.35	24.4	1.51	6	103	0.187	W
H1	20190527	Cloudy	Moderate	Mid-Flood	B	7.2	10:45	11.8	8.91	27.96	24.4	1.53	6	103	0.205	W
H1	20190527	Cloudy	Moderate	Mid-Flood	M	4.1	10:46	12.37	8.79	30.5	24.5	1.95	4	104	0.198	SW

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Location	Date	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	Direction in NESW
H1	20190527	Cloudy	Moderate	Mid-Flood	M	4.1	10:46	11.5	8.73	29.71	24.5	1.64	4	103	0.284	NW
H1	20190527	Cloudy	Moderate	Mid-Flood	S	1	10:47	11.27	8.39	30.61	24.6	2.08	4	103	0.19	W
H1	20190527	Cloudy	Moderate	Mid-Flood	S	1	10:47	12.03	8.73	32.48	24.6	2.07	4	105	0.253	W
M1	20190527	Cloudy	Moderate	Mid-Flood	B	7	12:12	13.87	8.5	28.64	24.6	1.87	2	104	0.172	NW
M1	20190527	Cloudy	Moderate	Mid-Flood	B	7	12:12	12.67	8.76	30.83	24.4	1.72	3	105	0.232	W
M1	20190527	Cloudy	Moderate	Mid-Flood	M	4	12:13	13	8.33	31.6	24.4	1.92	3	104	0.166	SW
M1	20190527	Cloudy	Moderate	Mid-Flood	M	4	12:13	11.8	8.4	30.08	24.3	1.7	3	104	0.161	W
M1	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:14	12.89	8.33	29.11	24.5	2.24	4	104	0.171	W
M1	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:14	12.37	8.3	33.3	24.5	2.09	5	104	0.231	W
CR1	20190527	Cloudy	Moderate	Mid-Flood	B	11.4	12:53	12.01	8.76	28.66	24.3	1.46	6	104	0.19	SW
CR1	20190527	Cloudy	Moderate	Mid-Flood	B	11.4	12:53	13.83	8.86	29.77	24.5	1.87	6	104	0.265	NW
CR1	20190527	Cloudy	Moderate	Mid-Flood	M	6.2	12:54	12.09	8.56	31.7	24.6	1.63	8	104	0.238	W
CR1	20190527	Cloudy	Moderate	Mid-Flood	M	6.2	12:54	11.68	8.72	29.31	24.3	1.71	7	104	0.177	W
CR1	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:55	13.62	8.7	27.68	24.4	1.81	6	105	0.27	W
CR1	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:55	11.46	8.39	31.99	24.5	2.23	8	105	0.197	W
CR2	20190527	Cloudy	Moderate	Mid-Flood	B	10.9	12:29	12.7	8.98	31.7	24.3	1.42	6	105	0.264	W
CR2	20190527	Cloudy	Moderate	Mid-Flood	B	10.9	12:29	11.38	8.84	30.58	24.4	1.85	7	104	0.19	W
CR2	20190527	Cloudy	Moderate	Mid-Flood	M	6	12:30	13.19	8.56	32.18	24.3	1.81	4	105	0.284	SW
CR2	20190527	Cloudy	Moderate	Mid-Flood	M	6	12:30	13.11	8.61	28.11	24.4	2.08	5	103	0.31	NW
CR2	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:31	13.22	8.41	27.79	24.5	2	4	104	0.257	SW
CR2	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:31	11.52	8.9	33.38	24.4	2.09	4	105	0.309	W
S1	20190527	Cloudy	Moderate	Mid-Flood	B	4.5	11:48	11.26	9.02	29.51	24.4	1.82	4	104	0.271	W
S1	20190527	Cloudy	Moderate	Mid-Flood	B	4.5	11:48	13.64	8.47	27.78	24.3	1.57	4	104	0.283	SW
S1	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:49	11.19	8.67	30.87	24.6	1.84	4	104	0.169	NW
S1	20190527	Cloudy	Moderate	Mid-Flood	S	1	11:49	13.62	8.97	30.37	24.5	2.18	4	105	0.308	W
S2A	20190527	Cloudy	Moderate	Mid-Flood	B	8.2	12:14	11.94	8.85	28.47	24.6	1.55	3	103	0.205	W
S2A	20190527	Cloudy	Moderate	Mid-Flood	B	8.2	12:14	12.83	8.46	29.05	24.5	1.75	4	103	0.278	SW
S2A	20190527	Cloudy	Moderate	Mid-Flood	M	4.6	12:15	11.88	8.74	27.54	24.4	1.72	4	104	0.212	SW
S2A	20190527	Cloudy	Moderate	Mid-Flood	M	4.6	12:15	13.63	9.04	27.68	24.4	1.59	4	104	0.289	W
S2A	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:16	12.41	8.54	27.63	24.5	2.2	4	103	0.156	W
S2A	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:16	12.06	9.01	30.47	24.4	2.19	4	104	0.264	SW

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Location	Date	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	Direction in NESW
S3	20190527	Cloudy	Moderate	Mid-Flood	B	8.6	12:38	13.27	8.47	32.41	24.3	1.78	4	105	0.242	W
S3	20190527	Cloudy	Moderate	Mid-Flood	B	8.6	12:38	11.86	9.02	28.08	24.5	1.84	5	105	0.173	W
S3	20190527	Cloudy	Moderate	Mid-Flood	M	4.8	12:39	12.91	9.02	28.82	24.5	2	5	103	0.306	SW
S3	20190527	Cloudy	Moderate	Mid-Flood	M	4.8	12:39	13.88	8.7	29.57	24.6	1.93	4	103	0.194	W
S3	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:40	13.02	8.56	29.11	24.5	1.78	4	103	0.29	SW
S3	20190527	Cloudy	Moderate	Mid-Flood	S	1	12:40	13.4	8.39	30.22	24.5	2.3	5	104	0.311	W
B1	20190527	Cloudy	Moderate	Mid-Ebb	B	4.1	14:37	11.33	9	29.87	23	1.57	6	104	0.192	SE
B1	20190527	Cloudy	Moderate	Mid-Ebb	B	4.1	14:37	12.47	8.71	27.43	22.9	1.83	6	103	0.27	SE
B1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:38	10.98	8.53	32.79	23	2.05	4	103	0.207	SE
B1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:38	13.47	8.89	30.28	22.9	2.14	4	104	0.126	S
B2	20190527	Cloudy	Moderate	Mid-Ebb	B	4.5	14:56	11.4	8.99	33.12	22.8	1.84	4	103	0.189	E
B2	20190527	Cloudy	Moderate	Mid-Ebb	B	4.5	14:56	11.34	8.83	33.35	22.8	1.52	4	103	0.157	S
B2	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:57	12.65	8.96	32.4	22.9	2.19	3	103	0.171	S
B2	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:57	12.13	8.32	33.2	23	2.2	2	104	0.236	S
B3	20190527	Cloudy	Moderate	Mid-Ebb	B	4.7	15:52	12.38	8.9	32.36	23	1.52	4	105	0.121	E
B3	20190527	Cloudy	Moderate	Mid-Ebb	B	4.7	15:52	12	8.58	29.84	22.9	1.54	4	103	0.291	SE
B3	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:53	12.47	8.52	29.74	23	1.71	3	104	0.171	S
B3	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:53	11.46	8.66	32.42	23	2.03	3	103	0.204	SE
B4	20190527	Cloudy	Moderate	Mid-Ebb	B	4.6	16:02	13.68	8.99	29.64	22.8	1.43	4	104	0.204	SE
B4	20190527	Cloudy	Moderate	Mid-Ebb	B	4.6	16:02	11.21	8.48	32.32	23	1.44	4	103	0.286	SE
B4	20190527	Cloudy	Moderate	Mid-Ebb	S	1	16:03	11.66	8.36	33.03	22.8	1.8	4	104	0.138	SE
B4	20190527	Cloudy	Moderate	Mid-Ebb	S	1	16:03	12.03	8.39	31.21	22.8	1.71	3	103	0.266	S
C1A	20190527	Cloudy	Moderate	Mid-Ebb	B	8.5	14:12	12.28	8.74	30.11	22.9	1.68	4	104	0.286	SE
C1A	20190527	Cloudy	Moderate	Mid-Ebb	B	8.5	14:12	13.23	8.54	31.8	22.8	1.93	4	104	0.142	S
C1A	20190527	Cloudy	Moderate	Mid-Ebb	M	4.8	14:13	13.8	8.85	32.64	22.9	1.99	5	103	0.18	SE
C1A	20190527	Cloudy	Moderate	Mid-Ebb	M	4.8	14:13	13.05	8.32	28.09	22.9	2.13	4	103	0.28	S
C1A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:14	13.31	8.58	28.23	22.8	1.74	6	103	0.173	E
C1A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:14	12.53	8.8	32.34	22.9	1.81	5	103	0.175	S
C2A	20190527	Cloudy	Moderate	Mid-Ebb	B	10.5	15:20	12.81	8.55	33.24	22.9	1.49	3	104	0.186	SE
C2A	20190527	Cloudy	Moderate	Mid-Ebb	B	10.5	15:20	11.65	8.85	30.11	22.8	1.44	3	104	0.255	S
C2A	20190527	Cloudy	Moderate	Mid-Ebb	M	5.8	15:21	11.95	8.55	32.54	22.8	1.57	3	103	0.236	SE



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Location	Date	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	Direction in NESW
C2A	20190527	Cloudy	Moderate	Mid-Ebb	M	5.8	15:21	10.96	9.04	30.71	23	2.06	4	103	0.281	SE
C2A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:22	11.33	8.4	29.19	22.9	2.15	4	104	0.243	E
C2A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:22	13.32	8.82	32.4	23	1.74	3	104	0.189	S
F1A	20190527	Cloudy	Moderate	Mid-Ebb	B	7.4	16:30	11.56	8.99	28.82	23	2.02	6	103	0.201	E
F1A	20190527	Cloudy	Moderate	Mid-Ebb	B	7.4	16:30	11.15	8.9	28.55	22.9	1.46	7	103	0.197	SE
F1A	20190527	Cloudy	Moderate	Mid-Ebb	M	4.2	16:31	11.61	8.64	33.41	22.9	1.62	7	104	0.25	SE
F1A	20190527	Cloudy	Moderate	Mid-Ebb	M	4.2	16:31	11.4	8.49	32.8	23	1.82	7	100	0.196	SE
F1A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	16:32	12.73	8.8	30.53	22.8	2.03	6	102	0.146	SE
F1A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	16:32	13.25	8.75	28.04	23	1.74	6	101	0.178	SE
H1	20190527	Cloudy	Moderate	Mid-Ebb	B	7.8	15:36	12.06	8.61	32.15	22.9	1.95	6	104	0.247	S
H1	20190527	Cloudy	Moderate	Mid-Ebb	B	7.8	15:36	11.85	8.59	27.84	22.9	1.82	5	103	0.256	S
H1	20190527	Cloudy	Moderate	Mid-Ebb	M	4.4	15:37	12.22	8.63	30.05	23	1.73	5	103	0.118	SE
H1	20190527	Cloudy	Moderate	Mid-Ebb	M	4.4	15:37	12.37	8.42	30.49	22.9	1.74	4	104	0.21	E
H1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:38	11.98	8.85	31.77	23	2.01	6	99	0.234	E
H1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:38	11.32	8.88	28.82	23	1.79	7	104	0.225	SE
M1	20190527	Cloudy	Moderate	Mid-Ebb	B	8.3	17:03	11.82	8.77	28.35	22.9	1.82	3	104	0.15	E
M1	20190527	Cloudy	Moderate	Mid-Ebb	B	8.3	17:03	11.8	8.7	28.77	22.9	1.71	4	104	0.129	S
M1	20190527	Cloudy	Moderate	Mid-Ebb	M	4.7	17:04	12.63	8.31	28.03	22.9	1.85	4	103	0.215	S
M1	20190527	Cloudy	Moderate	Mid-Ebb	M	4.7	17:04	12.21	8.83	30.54	23	1.99	4	103	0.22	S
M1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	17:05	13.12	9.04	29.54	23	1.98	4	104	0.225	SE
M1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	17:05	12.85	8.58	31.1	22.9	1.68	3	104	0.206	E
CR1	20190527	Cloudy	Moderate	Mid-Ebb	B	11.8	15:52	13.66	8.88	29.77	23	1.85	4	103	0.23	SE
CR1	20190527	Cloudy	Moderate	Mid-Ebb	B	11.8	15:52	13.71	8.66	31.67	22.9	1.95	5	104	0.136	SE
CR1	20190527	Cloudy	Moderate	Mid-Ebb	M	6.4	15:53	13.7	8.63	31.34	22.8	1.64	4	104	0.223	S
CR1	20190527	Cloudy	Moderate	Mid-Ebb	M	6.4	15:53	13.16	8.51	30.38	22.8	1.6	4	104	0.258	SE
CR1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:54	12.66	8.35	30.84	22.9	2.22	6	104	0.172	S
CR1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:54	13.46	8.49	32.29	22.9	1.93	5	103	0.22	SE
CR2	20190527	Cloudy	Moderate	Mid-Ebb	B	10.1	15:28	13.64	8.45	31.77	22.9	2	4	104	0.227	SE
CR2	20190527	Cloudy	Moderate	Mid-Ebb	B	10.1	15:28	12.54	8.59	28.12	22.8	1.88	5	104	0.198	E
CR2	20190527	Cloudy	Moderate	Mid-Ebb	M	5.6	15:29	11.05	8.42	30.69	22.9	1.74	5	103	0.119	S
CR2	20190527	Cloudy	Moderate	Mid-Ebb	M	5.6	15:29	12.48	8.96	33.29	22.9	1.95	4	104	0.242	SE

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Location	Date	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	Direction in NESW
CR2	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:30	13.76	8.36	27.4	23	1.93	5	104	0.281	SE
CR2	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:30	11.21	9	32.26	22.9	1.75	6	104	0.233	SE
S1	20190527	Cloudy	Moderate	Mid-Ebb	B	4	14:48	12.97	8.76	27.78	22.8	2	6	104	0.191	SE
S1	20190527	Cloudy	Moderate	Mid-Ebb	B	4	14:48	12.61	8.58	27.63	23	1.8	6	103	0.173	SE
S1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:49	13.21	8.74	28.16	22.9	2.03	4	106	0.274	SE
S1	20190527	Cloudy	Moderate	Mid-Ebb	S	1	14:49	11.13	8.77	31.68	22.8	2.16	5	105	0.263	SE
S2A	20190527	Cloudy	Moderate	Mid-Ebb	B	8.5	15:16	13.63	8.88	29.79	23	2.01	6	103	0.186	E
S2A	20190527	Cloudy	Moderate	Mid-Ebb	B	8.5	15:16	12.73	8.73	32.46	22.9	1.84	6	103	0.198	SE
S2A	20190527	Cloudy	Moderate	Mid-Ebb	M	4.8	15:17	12.6	8.5	33.13	22.8	1.87	5	103	0.19	SE
S2A	20190527	Cloudy	Moderate	Mid-Ebb	M	4.8	15:17	13.61	8.76	32.19	23	1.55	4	104	0.246	S
S2A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:18	13.57	8.66	33.36	22.9	2.12	3	105	0.165	SE
S2A	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:18	13.06	8.71	27.65	23	2.16	3	103	0.201	E
S3	20190527	Cloudy	Moderate	Mid-Ebb	B	9.8	15:39	11.41	8.65	31.22	22.9	1.48	7	102	0.151	S
S3	20190527	Cloudy	Moderate	Mid-Ebb	B	9.8	15:39	11.76	9.03	30.5	23	1.59	6	104	0.289	SE
S3	20190527	Cloudy	Moderate	Mid-Ebb	M	5.4	15:40	11.2	8.56	28.36	22.9	1.97	7	104	0.243	E
S3	20190527	Cloudy	Moderate	Mid-Ebb	M	5.4	15:40	13.88	8.98	31.96	23	2.12	8	102	0.217	SE
S3	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:41	12.12	8.6	29.32	23	2.24	7	104	0.287	SE
S3	20190527	Cloudy	Moderate	Mid-Ebb	S	1	15:41	13.65	8.3	30.98	22.8	1.93	8	101	0.151	S
B1	20190529	Cloudy	Moderate	Mid-Ebb	B	4.2	8:25	11.19	8.56	29.07	23.6	1.93	4	105	0.243	E
B1	20190529	Cloudy	Moderate	Mid-Ebb	B	4.2	8:25	11.32	8.44	32.56	23.4	1.84	4	105	0.208	SE
B1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:26	12.77	8.82	30.61	23.3	2.21	5	104	0.153	S
B1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:26	12.23	8.82	28.06	23.5	1.72	4	105	0.218	S
B2	20190529	Cloudy	Moderate	Mid-Ebb	B	4.3	8:47	11.6	8.83	29.09	23.5	1.61	4	104	0.163	SE
B2	20190529	Cloudy	Moderate	Mid-Ebb	B	4.3	8:47	12.47	8.34	30.47	23.5	1.47	3	104	0.157	S
B2	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:48	12.51	8.85	30.52	23.5	1.67	2	105	0.252	E
B2	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:48	11.21	8.62	28.41	23.4	1.69	3	106	0.163	SE
B3	20190529	Cloudy	Moderate	Mid-Ebb	B	4.4	10:32	12.08	8.64	28.98	23.3	1.5	4	105	0.083	S
B3	20190529	Cloudy	Moderate	Mid-Ebb	B	4.4	10:32	13.01	8.63	29.21	23.4	1.56	3	104	0.251	SE
B3	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:33	12.2	8.58	29.91	23.5	2.07	3	106	0.136	SE
B3	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:33	13.43	9.03	29.83	23.4	1.97	2	104	0.14	S
B4	20190529	Cloudy	Moderate	Mid-Ebb	B	4.8	10:41	13.02	8.97	29.7	23.3	1.79	2	106	0.112	E

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Location	Date	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	Direction in NESW
B4	20190529	Cloudy	Moderate	Mid-Ebb	B	4.8	10:41	12	8.74	33.04	23.5	1.51	3	108	0.114	SE
B4	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:42	12.19	8.62	27.98	23.3	2.18	<2	106	0.187	E
B4	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:42	11.83	8.87	30.04	23.4	2.14	<2	104	0.21	E
C1A	20190529	Cloudy	Moderate	Mid-Ebb	B	9	8:00	12.51	8.79	30.96	23.3	1.52	5	105	0.15	S
C1A	20190529	Cloudy	Moderate	Mid-Ebb	B	9	8:00	11.46	8.6	32.67	23.5	1.67	6	106	0.211	S
C1A	20190529	Cloudy	Moderate	Mid-Ebb	M	5	8:01	12.19	8.88	32.43	23.4	1.89	4	105	0.25	S
C1A	20190529	Cloudy	Moderate	Mid-Ebb	M	5	8:01	11.74	8.32	33.35	23.6	1.63	5	105	0.186	SE
C1A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:02	13.67	8.66	27.8	23.4	2.16	4	106	0.164	SE
C1A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:02	13.04	8.53	29.2	23.6	2	4	106	0.243	E
C2A	20190529	Cloudy	Moderate	Mid-Ebb	B	10.9	10:02	13.05	8.45	29.75	23.5	1.74	5	105	0.135	S
C2A	20190529	Cloudy	Moderate	Mid-Ebb	B	10.9	10:02	13.18	8.88	30.5	23.6	1.82	4	105	0.11	SE
C2A	20190529	Cloudy	Moderate	Mid-Ebb	M	5.95	10:03	13.43	8.51	32.65	23.5	1.84	4	104	0.208	S
C2A	20190529	Cloudy	Moderate	Mid-Ebb	M	5.95	10:03	11.06	9.03	27.71	23.4	1.56	4	104	0.173	SE
C2A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:04	12.08	8.62	33.15	23.4	2.14	3	105	0.14	SE
C2A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:04	12.43	8.43	28.15	23.4	1.73	2	105	0.192	SE
F1A	20190529	Cloudy	Moderate	Mid-Ebb	B	7.9	11:11	11.23	8.9	33.3	23.5	1.67	7	105	0.22	S
F1A	20190529	Cloudy	Moderate	Mid-Ebb	B	7.9	11:11	12.54	8.59	31.27	23.5	1.66	8	106	0.123	S
F1A	20190529	Cloudy	Moderate	Mid-Ebb	M	4.45	11:12	13.21	8.87	30.12	23.5	1.75	7	105	0.176	SE
F1A	20190529	Cloudy	Moderate	Mid-Ebb	M	4.45	11:12	13.83	8.61	28.2	23.5	1.58	8	105	0.133	SE
F1A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	11:13	11.73	8.96	31.54	23.4	2.24	11	106	0.21	E
F1A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	11:13	11.9	8.69	30.22	23.5	2.2	10	105	0.244	S
H1	20190529	Cloudy	Moderate	Mid-Ebb	B	7.1	10:18	13.21	8.59	30.39	23.4	1.94	9	106	0.16	S
H1	20190529	Cloudy	Moderate	Mid-Ebb	B	7.1	10:18	11.16	8.86	27.41	23.3	1.89	9	106	0.094	SE
H1	20190529	Cloudy	Moderate	Mid-Ebb	M	4.05	10:19	12.9	8.61	29.28	23.5	1.6	8	105	0.232	E
H1	20190529	Cloudy	Moderate	Mid-Ebb	M	4.05	10:19	11.62	8.58	29.45	23.4	1.62	9	106	0.251	SE
H1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:20	11.39	8.43	28.59	23.4	2.05	8	105	0.103	SE
H1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	10:20	11	8.3	31.75	23.4	1.76	8	106	0.175	S
M1	20190529	Cloudy	Moderate	Mid-Ebb	B	8.5	11:41	11.17	8.95	27.97	23.5	1.98	5	107	0.248	S
M1	20190529	Cloudy	Moderate	Mid-Ebb	B	8.5	11:41	13.59	8.51	29.1	23.6	2	6	105	0.159	S
M1	20190529	Cloudy	Moderate	Mid-Ebb	M	4.75	11:42	13.81	8.33	31.71	23.5	1.99	4	103	0.097	SE
M1	20190529	Cloudy	Moderate	Mid-Ebb	M	4.75	11:42	13.58	8.98	27.99	23.4	1.79	4	105	0.085	S

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Location	Date	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	Direction in NESW
M1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	11:43	11.78	8.43	33.31	23.3	1.69	4	105	0.226	S
M1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	11:43	12.84	8.32	28.35	23.6	1.86	3	105	0.18	E
CR1	20190529	Cloudy	Moderate	Mid-Ebb	B	12.4	9:44	13.46	8.73	33.14	23.3	1.96	6	105	0.171	S
CR1	20190529	Cloudy	Moderate	Mid-Ebb	B	12.4	9:44	13.04	8.87	27.93	23.6	1.77	5	105	0.107	S
CR1	20190529	Cloudy	Moderate	Mid-Ebb	M	6.7	9:45	13.11	8.57	27.4	23.4	1.61	2	105	0.198	SE
CR1	20190529	Cloudy	Moderate	Mid-Ebb	M	6.7	9:45	12.61	8.74	28.62	23.5	1.59	3	105	0.193	SE
CR1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:46	10.96	8.45	28.29	23.3	2.2	3	105	0.152	SE
CR1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:46	11.02	8.68	32	23.6	1.69	3	104	0.103	S
CR2	20190529	Cloudy	Moderate	Mid-Ebb	B	10.1	9:17	11.41	8.65	33.34	23.3	1.66	8	105	0.115	SE
CR2	20190529	Cloudy	Moderate	Mid-Ebb	B	10.1	9:17	12.66	8.48	27.74	23.6	1.77	8	105	0.158	SE
CR2	20190529	Cloudy	Moderate	Mid-Ebb	M	5.55	9:18	12.6	8.72	28.42	23.5	2	7	106	0.125	S
CR2	20190529	Cloudy	Moderate	Mid-Ebb	M	5.55	9:18	11.18	8.89	32.85	23.5	1.81	7	105	0.213	SE
CR2	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:19	13.38	8.66	31.18	23.3	1.78	7	106	0.177	SE
CR2	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:19	11.89	8.69	29.34	23.3	2.23	8	107	0.122	E
S1	20190529	Cloudy	Moderate	Mid-Ebb	B	4.1	8:37	12.56	8.88	28.85	23.3	1.88	4	105	0.173	S
S1	20190529	Cloudy	Moderate	Mid-Ebb	B	4.1	8:37	13.14	8.88	31.1	23.4	1.75	5	105	0.197	S
S1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:38	12.89	8.92	28.33	23.5	1.82	3	105	0.084	SE
S1	20190529	Cloudy	Moderate	Mid-Ebb	S	1	8:38	11.68	8.37	28.42	23.4	1.78	<2	105	0.199	S
S2A	20190529	Cloudy	Moderate	Mid-Ebb	B	8.5	9:04	11.47	8.49	32.96	23.5	2.02	8	105	0.237	S
S2A	20190529	Cloudy	Moderate	Mid-Ebb	B	8.5	9:04	11.13	8.71	31.01	23.5	1.76	7	105	0.14	SE
S2A	20190529	Cloudy	Moderate	Mid-Ebb	M	4.75	9:05	12.35	8.92	29.88	23.3	2.07	6	106	0.204	SE
S2A	20190529	Cloudy	Moderate	Mid-Ebb	M	4.75	9:05	12.62	8.34	33.19	23.5	1.79	7	106	0.229	E
S2A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:06	12.59	8.75	29.66	23.4	2.12	4	105	0.139	SE
S2A	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:06	12.16	8.5	29.33	23.4	1.99	4	106	0.095	S
S3	20190529	Cloudy	Moderate	Mid-Ebb	B	9.9	9:30	13.58	8.58	33.27	23.5	1.63	10	106	0.238	SE
S3	20190529	Cloudy	Moderate	Mid-Ebb	B	9.9	9:30	11.33	8.65	29.16	23.5	1.49	9	106	0.194	S
S3	20190529	Cloudy	Moderate	Mid-Ebb	M	5.45	9:31	11.38	8.78	28.83	23.3	1.7	8	105	0.244	SE
S3	20190529	Cloudy	Moderate	Mid-Ebb	M	5.45	9:31	11.71	8.83	32.55	23.3	1.62	7	105	0.139	S
S3	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:32	12.28	8.49	32.77	23.5	2.02	7	106	0.242	E
S3	20190529	Cloudy	Moderate	Mid-Ebb	S	1	9:32	11.21	8.35	29.8	23.5	1.84	8	106	0.197	S
B1	20190529	Cloudy	Moderate	Mid-Flood	B	4.4	13:26	13.57	8.72	32.35	23.1	1.64	5	105	0.262	SW

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Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
B1	20190529	Cloudy	Moderate	Mid-Flood	B	4.4	13:26	11.88	8.79	28.21	23.1	1.55	4	105	0.241	SW
B1	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:27	12.97	8.95	29.24	23.3	2.27	4	105	0.152	NW
B1	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:27	12.68	8.96	32.98	23.3	2.1	4	106	0.266	W
B2	20190529	Cloudy	Moderate	Mid-Flood	B	4.8	13:48	11.18	8.57	30.69	23.1	1.39	3	106	0.243	W
B2	20190529	Cloudy	Moderate	Mid-Flood	B	4.8	13:48	13.75	8.55	27.74	23.2	1.36	3	106	0.183	SW
B2	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:49	11.37	8.65	32.73	23.3	2.19	3	105	0.18	SW
B2	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:49	13.55	8.87	31.97	23.1	1.8	2	105	0.252	W
B3	20190529	Cloudy	Moderate	Mid-Flood	B	4.5	13:27	12.29	8.5	30.87	23.2	1.8	3	105	0.27	W
B3	20190529	Cloudy	Moderate	Mid-Flood	B	4.5	13:27	12.91	8.75	27.69	23.2	1.48	4	104	0.151	W
B3	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:28	11.87	9.04	29.18	23.2	1.92	2	105	0.29	W
B3	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:28	12.08	8.92	28.08	23.2	1.75	2	104	0.179	W
B4	20190529	Cloudy	Moderate	Mid-Flood	B	4.6	13:38	12.82	8.54	32	23.2	1.49	4	105	0.146	W
B4	20190529	Cloudy	Moderate	Mid-Flood	B	4.6	13:38	11.32	8.56	31.05	23.2	1.5	3	105	0.177	W
B4	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:39	13.2	8.7	31.45	23.1	1.74	3	105	0.212	W
B4	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:39	11.2	9.02	31.12	23.2	2.03	2	105	0.193	W
C1A	20190529	Cloudy	Moderate	Mid-Flood	B	10.7	12:53	12.94	8.85	29.84	23.3	1.48	8	104	0.175	W
C1A	20190529	Cloudy	Moderate	Mid-Flood	B	10.7	12:53	11.69	9.03	27.46	23.2	1.52	7	105	0.199	W
C1A	20190529	Cloudy	Moderate	Mid-Flood	M	5.85	12:54	12.7	8.55	28.1	23.2	1.76	6	105	0.159	W
C1A	20190529	Cloudy	Moderate	Mid-Flood	M	5.85	12:54	13.71	8.79	32.58	23.3	2.13	7	105	0.206	W
C1A	20190529	Cloudy	Moderate	Mid-Flood	S	1	12:55	12.97	8.36	29.1	23.2	2.02	3	105	0.241	W
C1A	20190529	Cloudy	Moderate	Mid-Flood	S	1	12:55	13.14	9	32.74	23.2	1.93	4	105	0.225	SW
C2A	20190529	Cloudy	Moderate	Mid-Flood	B	10.6	12:53	11.26	9.01	32.02	23.3	1.33	4	104	0.282	W
C2A	20190529	Cloudy	Moderate	Mid-Flood	B	10.6	12:53	13.02	8.46	30.35	23.1	1.89	5	105	0.136	SW
C2A	20190529	Cloudy	Moderate	Mid-Flood	M	5.8	12:54	12.79	8.51	30.43	23.3	1.73	4	106	0.169	W
C2A	20190529	Cloudy	Moderate	Mid-Flood	M	5.8	12:54	11.63	8.49	28.3	23.3	2.1	4	104	0.264	SW
C2A	20190529	Cloudy	Moderate	Mid-Flood	S	1	12:55	13.21	8.7	32.54	23.3	1.72	4	104	0.258	W
C2A	20190529	Cloudy	Moderate	Mid-Flood	S	1	12:55	12.54	8.61	28.27	23.2	2.07	3	105	0.169	W
F1A	20190529	Cloudy	Moderate	Mid-Flood	B	7.2	14:03	11.42	8.98	30.52	23.2	1.64	4	105	0.163	W
F1A	20190529	Cloudy	Moderate	Mid-Flood	B	7.2	14:03	13.3	8.82	28.58	23.3	1.34	4	105	0.229	W
F1A	20190529	Cloudy	Moderate	Mid-Flood	M	4.1	14:04	12.91	8.79	29.74	23.2	1.93	2	105	0.204	NW
F1A	20190529	Cloudy	Moderate	Mid-Flood	M	4.1	14:04	11.19	8.47	28.86	23.1	1.93	2	105	0.128	SW

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 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
F1A	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:05	13.66	8.34	30.51	23.2	2.13	2	105	0.22	NW
F1A	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:05	12.85	8.89	30.27	23.3	2.16	2	105	0.219	W
H1	20190529	Cloudy	Moderate	Mid-Flood	B	6.5	13:12	13.51	8.7	31.64	23.1	1.76	6	104	0.251	W
H1	20190529	Cloudy	Moderate	Mid-Flood	B	6.5	13:12	11.85	8.53	32.86	23.1	1.33	7	105	0.26	W
H1	20190529	Cloudy	Moderate	Mid-Flood	M	3.75	13:13	12.16	8.33	30.77	23.1	2.13	4	105	0.141	W
H1	20190529	Cloudy	Moderate	Mid-Flood	M	3.75	13:13	11.8	8.32	33.31	23.2	2.12	3	105	0.146	NW
H1	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:14	13.37	8.6	30.79	23.2	1.92	3	104	0.153	W
H1	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:14	11.45	8.69	32.89	23.1	2.12	3	104	0.213	W
M1	20190529	Cloudy	Moderate	Mid-Flood	B	7.4	14:35	12.92	8.9	29.58	23.2	1.89	5	105	0.206	SW
M1	20190529	Cloudy	Moderate	Mid-Flood	B	7.4	14:35	11.31	8.53	28.55	23.2	1.49	4	104	0.21	SW
M1	20190529	Cloudy	Moderate	Mid-Flood	M	4.2	14:36	12.94	8.55	30.63	23.2	2.09	3	105	0.227	NW
M1	20190529	Cloudy	Moderate	Mid-Flood	M	4.2	14:36	13.69	8.33	30	23.1	1.76	4	105	0.198	W
M1	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:37	12.22	8.61	29.78	23.2	2.11	3	105	0.242	W
M1	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:37	11.74	9.02	29.8	23.2	2.13	3	105	0.245	SW
CR1	20190529	Cloudy	Moderate	Mid-Flood	B	11.3	14:45	11.04	8.62	28.44	23.2	1.62	4	105	0.188	SW
CR1	20190529	Cloudy	Moderate	Mid-Flood	B	11.3	14:45	13.77	8.46	27.62	23.2	1.53	5	105	0.148	W
CR1	20190529	Cloudy	Moderate	Mid-Flood	M	6.15	14:46	11.41	8.77	27.88	23.2	1.71	3	105	0.263	W
CR1	20190529	Cloudy	Moderate	Mid-Flood	M	6.15	14:46	13.55	8.41	32.36	23.2	1.7	3	105	0.152	SW
CR1	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:47	12.04	8.44	29.1	23.3	1.83	2	105	0.25	W
CR1	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:47	13.52	8.99	28.81	23.1	1.82	3	106	0.273	W
CR2	20190529	Cloudy	Moderate	Mid-Flood	B	10.9	14:18	13.91	8.9	29.12	23.1	1.5	4	104	0.257	W
CR2	20190529	Cloudy	Moderate	Mid-Flood	B	10.9	14:18	12.48	8.67	31.63	23.1	1.59	6	104	0.169	SW
CR2	20190529	Cloudy	Moderate	Mid-Flood	M	5.95	14:19	13.65	8.35	30.42	23.3	1.99	5	106	0.203	SW
CR2	20190529	Cloudy	Moderate	Mid-Flood	M	5.95	14:19	11.61	8.65	29.86	23.3	1.86	5	105	0.168	W
CR2	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:20	13.55	8.91	28.07	23.2	2.02	4	105	0.275	W
CR2	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:20	11.13	8.6	33.45	23.2	2.24	5	106	0.282	SW
S1	20190529	Cloudy	Moderate	Mid-Flood	B	4.4	13:36	13.37	8.5	31.15	23.2	1.75	5	105	0.234	W
S1	20190529	Cloudy	Moderate	Mid-Flood	B	4.4	13:36	13.41	8.56	28.03	23.2	1.68	4	104	0.217	W
S1	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:37	11.13	9	30.74	23.3	1.95	4	106	0.15	NW
S1	20190529	Cloudy	Moderate	Mid-Flood	S	1	13:37	13.37	8.96	29.5	23.3	2.23	5	105	0.266	W
S2A	20190529	Cloudy	Moderate	Mid-Flood	B	8.8	14:03	13.18	8.67	31.31	23.3	1.75	4	105	0.169	W

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Location	Date	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	Direction in NESW
S2A	20190529	Cloudy	Moderate	Mid-Flood	B	8.8	14:03	12.1	8.62	32.07	23.3	1.38	4	106	0.242	W
S2A	20190529	Cloudy	Moderate	Mid-Flood	M	4.9	14:04	13.79	9.04	30.15	23.2	2.13	4	106	0.224	W
S2A	20190529	Cloudy	Moderate	Mid-Flood	M	4.9	14:04	12.02	8.99	28.98	23.3	1.81	4	106	0.255	SW
S2A	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:05	12.92	8.4	30.6	23.2	2.29	3	105	0.188	W
S2A	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:05	12.69	8.86	30.61	23.2	1.91	3	105	0.21	W
S3	20190529	Cloudy	Moderate	Mid-Flood	B	8	14:30	12.09	8.57	31.2	23.2	1.42	6	105	0.188	W
S3	20190529	Cloudy	Moderate	Mid-Flood	B	8	14:30	13.14	8.97	30.36	23.1	1.71	5	104	0.174	W
S3	20190529	Cloudy	Moderate	Mid-Flood	M	4.5	14:31	12.87	8.83	30.92	23.3	1.72	4	105	0.203	W
S3	20190529	Cloudy	Moderate	Mid-Flood	M	4.5	14:31	12.36	8.31	30.71	23.2	1.6	4	105	0.238	W
S3	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:32	11.7	8.85	28.38	23.1	2.23	5	105	0.131	W
S3	20190529	Cloudy	Moderate	Mid-Flood	S	1	14:32	12	8.64	29.29	23.3	1.79	4	105	0.23	NW
B1	20190531	Cloudy	Moderate	Mid-Ebb	B	3.5	9:20	13.3	8.3	33.36	23.9	1.73	16	106	0.122	SE
B1	20190531	Cloudy	Moderate	Mid-Ebb	B	3.5	9:20	12.7	8.47	31.86	23.9	1.9	16	106	0.119	E
B1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:21	13.55	8.47	33.1	23.8	2.25	8	106	0.196	SE
B1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:21	12.39	9.01	27.46	23.7	1.97	8	106	0.217	E
B2	20190531	Cloudy	Moderate	Mid-Ebb	B	3.8	9:41	12.32	8.78	29.27	23.9	1.95	8	106	0.241	SE
B2	20190531	Cloudy	Moderate	Mid-Ebb	B	3.8	9:41	12	8.85	27.35	23.7	1.85	7	106	0.159	E
B2	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:42	13.31	8.5	33.01	23.7	2.11	6	106	0.132	S
B2	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:42	11.06	8.99	27.85	23.8	2.21	6	107	0.119	S
B3	20190531	Cloudy	Moderate	Mid-Ebb	B	3.6	9:44	11.04	8.78	29.6	23.8	1.51	7	106	0.192	S
B3	20190531	Cloudy	Moderate	Mid-Ebb	B	3.6	9:44	12.47	8.37	30.09	23.9	1.72	8	106	0.172	S
B3	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:45	13.66	8.5	28.19	23.9	2.23	5	106	0.207	E
B3	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:45	13.7	8.78	29.78	23.9	2.26	4	106	0.157	E
B4	20190531	Cloudy	Moderate	Mid-Ebb	B	4.7	9:54	12.32	8.94	32.4	23.8	1.99	8	106	0.162	SE
B4	20190531	Cloudy	Moderate	Mid-Ebb	B	4.7	9:54	12.17	8.94	28.2	23.9	1.6	9	107	0.127	SE
B4	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:55	11.45	8.53	27.64	23.9	2.18	6	106	0.133	S
B4	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:55	12.86	8.71	28.24	23.8	1.95	7	106	0.218	S
C1A	20190531	Cloudy	Moderate	Mid-Ebb	B	10	8:56	12.19	8.56	31.57	23.9	1.72	10	106	0.229	SE
C1A	20190531	Cloudy	Moderate	Mid-Ebb	B	10	8:56	13.04	8.75	32.81	23.7	1.85	10	105	0.136	SE
C1A	20190531	Cloudy	Moderate	Mid-Ebb	M	5.5	8:57	11.09	8.63	27.27	23.8	1.99	6	106	0.121	S
C1A	20190531	Cloudy	Moderate	Mid-Ebb	M	5.5	8:57	11.36	8.75	30.05	23.7	1.76	6	107	0.248	SE

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Location	Date	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	Direction in NESW
C1A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	8:58	13.34	8.38	27.91	23.9	2.26	8	107	0.107	E
C1A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	8:58	12.82	8.61	28.74	23.9	2.04	8	106	0.125	SE
C2A	20190531	Cloudy	Moderate	Mid-Ebb	B	11.1	9:10	13.66	8.89	29.39	23.9	1.88	6	106	0.22	S
C2A	20190531	Cloudy	Moderate	Mid-Ebb	B	11.1	9:10	13.84	8.52	30.16	23.9	2.01	7	105	0.241	S
C2A	20190531	Cloudy	Moderate	Mid-Ebb	M	6.1	9:11	13.6	8.43	29.33	23.8	2.12	8	106	0.153	S
C2A	20190531	Cloudy	Moderate	Mid-Ebb	M	6.1	9:11	12.31	8.99	27.35	23.7	1.89	9	106	0.181	E
C2A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:12	13.91	8.96	32.88	23.7	2.09	6	106	0.243	S
C2A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:12	11.7	8.64	33.3	23.8	2.25	7	107	0.142	E
F1A	20190531	Cloudy	Moderate	Mid-Ebb	B	7.7	10:23	11.12	8.8	31.03	23.8	1.57	6	106	0.151	S
F1A	20190531	Cloudy	Moderate	Mid-Ebb	B	7.7	10:23	13.04	9.03	29.29	23.7	1.73	7	106	0.212	E
F1A	20190531	Cloudy	Moderate	Mid-Ebb	M	4.4	10:24	11.29	8.35	28.13	23.8	1.91	6	108	0.177	S
F1A	20190531	Cloudy	Moderate	Mid-Ebb	M	4.4	10:24	11.71	8.4	32.69	23.8	2.09	8	106	0.231	E
F1A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:25	11.05	8.53	31.33	23.8	1.94	10	106	0.15	S
F1A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:25	13.78	8.33	31.21	23.8	2.09	8	106	0.123	SE
H1	20190531	Cloudy	Moderate	Mid-Ebb	B	7.3	9:27	11.81	9.02	28.29	23.9	1.45	6	107	0.129	E
H1	20190531	Cloudy	Moderate	Mid-Ebb	B	7.3	9:27	12.59	8.35	29.31	23.9	1.92	5	107	0.113	E
H1	20190531	Cloudy	Moderate	Mid-Ebb	M	4.2	9:28	11.52	8.78	30.88	23.8	1.91	5	106	0.248	S
H1	20190531	Cloudy	Moderate	Mid-Ebb	M	4.2	9:28	11.71	8.53	32.49	23.9	1.63	5	106	0.118	SE
H1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:29	12.31	8.85	31.02	23.9	2.23	8	106	0.106	S
H1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:29	12.09	8.66	31.42	23.8	1.69	7	106	0.083	S
M1	20190531	Cloudy	Moderate	Mid-Ebb	B	8.9	10:57	11.38	8.94	27.74	23.8	1.56	7	106	0.15	E
M1	20190531	Cloudy	Moderate	Mid-Ebb	B	8.9	10:57	13.5	8.74	29.42	23.8	1.79	8	107	0.103	SE
M1	20190531	Cloudy	Moderate	Mid-Ebb	M	5	10:58	12.42	8.35	33.34	23.7	1.87	9	106	0.248	S
M1	20190531	Cloudy	Moderate	Mid-Ebb	M	5	10:58	11.51	8.37	30.11	23.8	1.68	8	106	0.207	E
M1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:59	12.71	8.83	28.75	23.8	1.87	8	106	0.194	S
M1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:59	13.55	8.56	33.32	23.8	1.74	9	106	0.145	S
CR1	20190531	Cloudy	Moderate	Mid-Ebb	B	11.5	10:33	11.21	8.92	30.96	23.8	1.64	9	105	0.176	SE
CR1	20190531	Cloudy	Moderate	Mid-Ebb	B	11.5	10:33	13.76	8.42	29.49	23.7	1.44	8	107	0.142	SE
CR1	20190531	Cloudy	Moderate	Mid-Ebb	M	6.3	10:34	12.69	8.82	33.06	23.7	1.8	9	107	0.095	S
CR1	20190531	Cloudy	Moderate	Mid-Ebb	M	6.3	10:34	12.5	8.99	32.1	23.9	1.82	8	106	0.188	E
CR1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:35	13.85	8.8	28.03	23.8	2.03	6	105	0.137	SE



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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
CR1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:35	12.76	8.39	30.72	23.8	1.83	7	107	0.228	SE
CR2	20190531	Cloudy	Moderate	Mid-Ebb	B	10	10:09	13.62	8.34	29.95	23.9	1.55	10	107	0.159	E
CR2	20190531	Cloudy	Moderate	Mid-Ebb	B	10	10:09	12.31	8.44	31.47	23.8	1.84	10	107	0.117	SE
CR2	20190531	Cloudy	Moderate	Mid-Ebb	M	5.5	10:10	12.78	8.5	31.81	23.8	1.98	11	106	0.221	E
CR2	20190531	Cloudy	Moderate	Mid-Ebb	M	5.5	10:10	11.38	8.6	30	23.9	2.08	12	106	0.225	E
CR2	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:11	11.62	9	31.17	23.7	1.78	5	106	0.12	S
CR2	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:11	13.45	8.92	27.42	23.8	2.24	6	106	0.084	SE
S1	20190531	Cloudy	Moderate	Mid-Ebb	B	4.1	9:31	10.95	8.63	33.25	23.7	1.51	7	106	0.179	SE
S1	20190531	Cloudy	Moderate	Mid-Ebb	B	4.1	9:31	11.55	8.63	28.94	23.7	2.02	7	106	0.124	E
S1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:32	11.8	8.67	28.95	23.8	1.72	5	106	0.184	E
S1	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:32	13	8.99	28.69	23.8	1.67	6	106	0.098	SE
S2A	20190531	Cloudy	Moderate	Mid-Ebb	B	8.6	9:57	12.22	8.52	29.11	23.9	1.8	8	106	0.175	SE
S2A	20190531	Cloudy	Moderate	Mid-Ebb	B	8.6	9:57	13.72	8.8	27.9	23.7	2.01	8	106	0.096	SE
S2A	20190531	Cloudy	Moderate	Mid-Ebb	M	4.8	9:58	12.9	8.31	30.95	23.8	1.65	5	107	0.15	SE
S2A	20190531	Cloudy	Moderate	Mid-Ebb	M	4.8	9:58	13.08	8.73	28.36	23.9	1.83	6	106	0.081	S
S2A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:59	12.64	8.47	29.3	23.8	2.11	<2	106	0.126	S
S2A	20190531	Cloudy	Moderate	Mid-Ebb	S	1	9:59	13.88	8.94	29.13	23.8	1.91	3	106	0.22	SE
S3	20190531	Cloudy	Moderate	Mid-Ebb	B	9.6	10:20	12.23	8.98	32.83	23.9	1.52	8	105	0.107	SE
S3	20190531	Cloudy	Moderate	Mid-Ebb	B	9.6	10:20	12.97	8.31	27.33	23.8	1.72	9	108	0.188	SE
S3	20190531	Cloudy	Moderate	Mid-Ebb	M	5.3	10:21	11.07	8.53	29.73	23.7	1.74	8	108	0.163	SE
S3	20190531	Cloudy	Moderate	Mid-Ebb	M	5.3	10:21	12.02	8.86	32.36	23.8	1.77	9	105	0.139	S
S3	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:22	13.14	8.65	28.82	23.9	1.86	8	105	0.198	SE
S3	20190531	Cloudy	Moderate	Mid-Ebb	S	1	10:22	11.47	8.73	32.9	23.9	2.04	8	105	0.216	S
B1	20190531	Cloudy	Moderate	Mid-Flood	B	3.9	15:22	12.65	8.5	29.75	23.9	1.54	5	106	0.195	W
B1	20190531	Cloudy	Moderate	Mid-Flood	B	3.9	15:22	12.05	8.93	30.32	23.7	1.37	4	106	0.202	NW
B1	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:23	12.34	8.73	29.87	23.8	2.22	6	106	0.207	W
B1	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:23	11.36	8.99	28.88	23.9	2.27	4	106	0.153	SW
B2	20190531	Cloudy	Moderate	Mid-Flood	B	3.8	15:41	11.35	8.7	31.37	23.9	1.42	8	106	0.244	W
B2	20190531	Cloudy	Moderate	Mid-Flood	B	3.8	15:41	11.19	8.52	29.59	23.8	1.84	8	105	0.16	W
B2	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:42	12.03	8.43	27.41	23.8	2.04	7	105	0.228	NW
B2	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:42	13.3	8.84	32.67	23.7	1.89	8	105	0.236	W

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 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
B3	20190531	Cloudy	Moderate	Mid-Flood	B	3.5	15:28	12.58	8.92	29.41	23.8	1.82	8	105	0.145	SW
B3	20190531	Cloudy	Moderate	Mid-Flood	B	3.5	15:28	11.62	8.49	31.18	23.8	1.51	8	106	0.218	W
B3	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:29	13.74	8.81	27.28	23.9	2.08	5	105	0.183	W
B3	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:29	12.18	8.42	31.34	23.9	1.95	5	105	0.159	W
B4	20190531	Cloudy	Moderate	Mid-Flood	B	3.7	15:43	13.77	8.58	27.39	23.8	1.62	6	106	0.198	W
B4	20190531	Cloudy	Moderate	Mid-Flood	B	3.7	15:43	12.35	8.68	31.76	23.7	1.51	6	106	0.27	NW
B4	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:44	12.66	8.48	28.41	23.9	2.13	5	106	0.252	NW
B4	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:44	12.63	8.94	32.44	23.8	1.78	4	106	0.2	NW
C1A	20190531	Cloudy	Moderate	Mid-Flood	B	10.6	14:55	11.2	8.35	29.17	23.9	1.66	7	104	0.133	W
C1A	20190531	Cloudy	Moderate	Mid-Flood	B	10.6	14:55	11.72	8.79	28.91	23.9	1.66	8	105	0.245	W
C1A	20190531	Cloudy	Moderate	Mid-Flood	M	5.8	14:56	13.06	8.45	31.99	23.8	1.58	5	105	0.245	W
C1A	20190531	Cloudy	Moderate	Mid-Flood	M	5.8	14:56	11.25	8.86	30.32	23.9	1.72	6	105	0.18	W
C1A	20190531	Cloudy	Moderate	Mid-Flood	S	1	14:57	12.84	8.95	31.75	23.8	1.87	5	105	0.274	W
C1A	20190531	Cloudy	Moderate	Mid-Flood	S	1	14:57	13.5	8.31	27.27	23.9	2.27	4	105	0.122	W
C2A	20190531	Cloudy	Moderate	Mid-Flood	B	10.7	14:55	13.58	8.53	29.29	23.8	1.5	6	105	0.261	NW
C2A	20190531	Cloudy	Moderate	Mid-Flood	B	10.7	14:55	13.33	8.85	28.14	23.9	1.43	4	105	0.262	SW
C2A	20190531	Cloudy	Moderate	Mid-Flood	M	5.9	14:56	12.35	8.54	27.56	23.8	1.67	6	105	0.217	SW
C2A	20190531	Cloudy	Moderate	Mid-Flood	M	5.9	14:56	13.92	9.01	29.99	23.8	2.03	6	106	0.171	SW
C2A	20190531	Cloudy	Moderate	Mid-Flood	S	1	14:57	12.45	8.69	27.53	23.9	1.87	6	106	0.217	W
C2A	20190531	Cloudy	Moderate	Mid-Flood	S	1	14:57	11.19	8.77	30.11	23.7	2.22	5	103	0.21	SW
F1A	20190531	Cloudy	Moderate	Mid-Flood	B	7.3	16:05	13.11	8.37	31.37	23.8	1.43	5	106	0.184	NW
F1A	20190531	Cloudy	Moderate	Mid-Flood	B	7.3	16:05	11.13	8.72	31.19	23.7	1.55	6	106	0.169	W
F1A	20190531	Cloudy	Moderate	Mid-Flood	M	4.2	16:06	11.23	8.67	32.76	23.8	1.54	7	107	0.126	NW
F1A	20190531	Cloudy	Moderate	Mid-Flood	M	4.2	16:06	13.11	8.98	32.46	23.8	1.64	6	106	0.215	SW
F1A	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:07	12.16	8.49	31.95	23.8	2.07	6	106	0.284	W
F1A	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:07	12.12	8.53	32.47	23.9	1.75	7	106	0.14	SW
H1	20190531	Cloudy	Moderate	Mid-Flood	B	6.5	15:13	13.6	8.57	27.82	23.8	1.9	4	106	0.132	W
H1	20190531	Cloudy	Moderate	Mid-Flood	B	6.5	15:13	11.71	8.52	32.29	23.8	1.78	4	106	0.199	SW
H1	20190531	Cloudy	Moderate	Mid-Flood	M	3.8	15:14	12.06	8.87	28.67	23.9	1.73	3	106	0.232	W
H1	20190531	Cloudy	Moderate	Mid-Flood	M	3.8	15:14	12.68	8.46	29.23	23.9	1.59	4	106	0.235	W
H1	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:15	11.49	8.46	31.73	23.8	2.18	4	105	0.277	SW

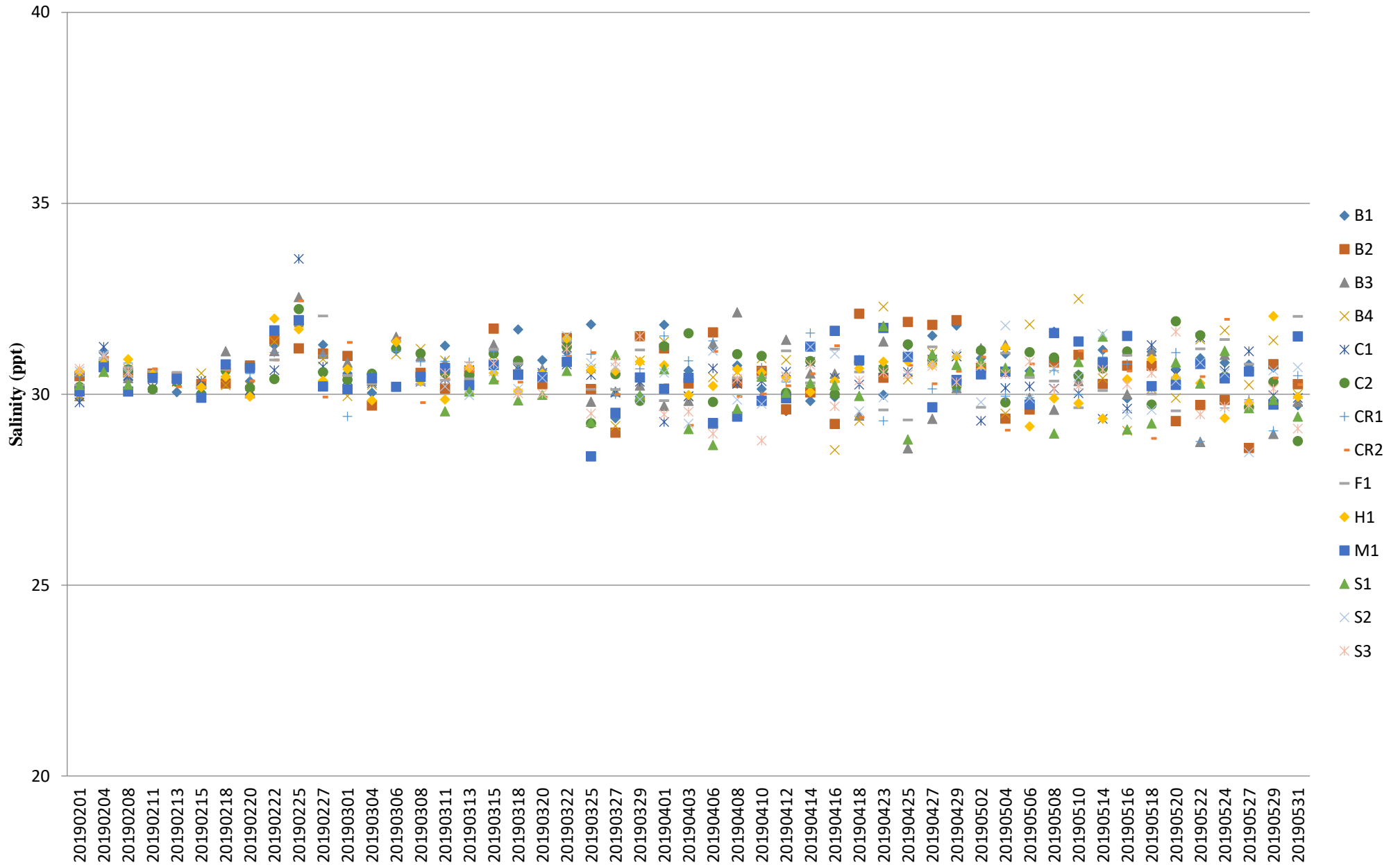
Contract No. EP/SP/66/12  
Integrated Waste Management Facilities, Phase 1  
Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
H1	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:15	12.68	9	29.82	23.8	2.22	3	105	0.158	W
M1	20190531	Cloudy	Moderate	Mid-Flood	B	7.3	16:41	12.27	8.93	30.97	23.8	1.63	6	105	0.135	W
M1	20190531	Cloudy	Moderate	Mid-Flood	B	7.3	16:41	13.02	8.54	31.92	23.8	1.68	6	106	0.241	SW
M1	20190531	Cloudy	Moderate	Mid-Flood	M	4.2	16:42	11.93	8.87	29.9	23.7	2.07	7	106	0.268	NW
M1	20190531	Cloudy	Moderate	Mid-Flood	M	4.2	16:42	12.16	8.5	33.38	23.8	1.77	7	104	0.281	W
M1	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:43	13.2	8.31	32.24	23.8	1.81	6	104	0.252	SW
M1	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:43	11.11	8.95	30.64	23.9	2.25	6	105	0.144	W
CR1	20190531	Cloudy	Moderate	Mid-Flood	B	12	16:34	13.21	8.65	31.34	23.9	1.7	8	105	0.204	SW
CR1	20190531	Cloudy	Moderate	Mid-Flood	B	12	16:34	11.18	8.33	28.08	23.8	1.4	8	106	0.164	W
CR1	20190531	Cloudy	Moderate	Mid-Flood	M	6.5	16:35	11.77	8.67	31.22	23.7	1.86	5	106	0.257	W
CR1	20190531	Cloudy	Moderate	Mid-Flood	M	6.5	16:35	11.05	8.53	32.37	23.8	2.08	6	104	0.279	SW
CR1	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:36	13.1	9.01	29.71	23.8	2.27	6	105	0.287	SW
CR1	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:36	12.5	8.54	30.15	23.7	2.21	5	106	0.17	SW
CR2	20190531	Cloudy	Moderate	Mid-Flood	B	9.9	16:09	11.98	8.96	32.72	23.8	1.65	5	106	0.241	W
CR2	20190531	Cloudy	Moderate	Mid-Flood	B	9.9	16:09	13.45	8.6	28.83	23.9	1.42	5	106	0.15	NW
CR2	20190531	Cloudy	Moderate	Mid-Flood	M	5.5	16:10	13.87	8.34	28.43	23.7	2.13	4	104	0.261	W
CR2	20190531	Cloudy	Moderate	Mid-Flood	M	5.5	16:10	12.35	9.04	32.15	23.7	2.01	4	106	0.165	NW
CR2	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:11	13.05	9.02	29.64	23.9	2.16	4	106	0.218	NW
CR2	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:11	11.36	8.87	29.71	23.7	2.26	5	106	0.143	SW
S1	20190531	Cloudy	Moderate	Mid-Flood	B	4.2	15:31	13.48	8.67	30.45	23.8	1.32	6	105	0.283	W
S1	20190531	Cloudy	Moderate	Mid-Flood	B	4.2	15:31	12.65	8.91	28.24	23.9	1.83	6	106	0.161	W
S1	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:32	13.31	8.36	31.66	23.8	1.74	6	105	0.157	W
S1	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:32	13.28	8.37	27.28	23.9	1.9	5	106	0.264	SW
S2A	20190531	Cloudy	Moderate	Mid-Flood	B	8.1	15:56	11.55	8.37	30.63	23.8	1.84	4	104	0.283	W
S2A	20190531	Cloudy	Moderate	Mid-Flood	B	8.1	15:56	12.56	8.62	28.23	23.8	1.53	5	105	0.131	W
S2A	20190531	Cloudy	Moderate	Mid-Flood	M	4.6	15:57	13.81	8.33	32.88	23.7	2.11	6	105	0.234	NW
S2A	20190531	Cloudy	Moderate	Mid-Flood	M	4.6	15:57	12.55	8.89	32.69	23.9	1.61	6	104	0.136	W
S2A	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:58	12.13	8.34	31.17	23.7	1.79	5	106	0.149	SW
S2A	20190531	Cloudy	Moderate	Mid-Flood	S	1	15:58	12.61	8.39	28.61	23.8	1.98	5	104	0.245	SW
S3	20190531	Cloudy	Moderate	Mid-Flood	B	9.7	16:19	11.8	8.74	29.62	23.8	1.64	5	104	0.224	SW
S3	20190531	Cloudy	Moderate	Mid-Flood	B	9.7	16:19	12.1	8.44	29.63	23.8	1.84	5	106	0.252	NW

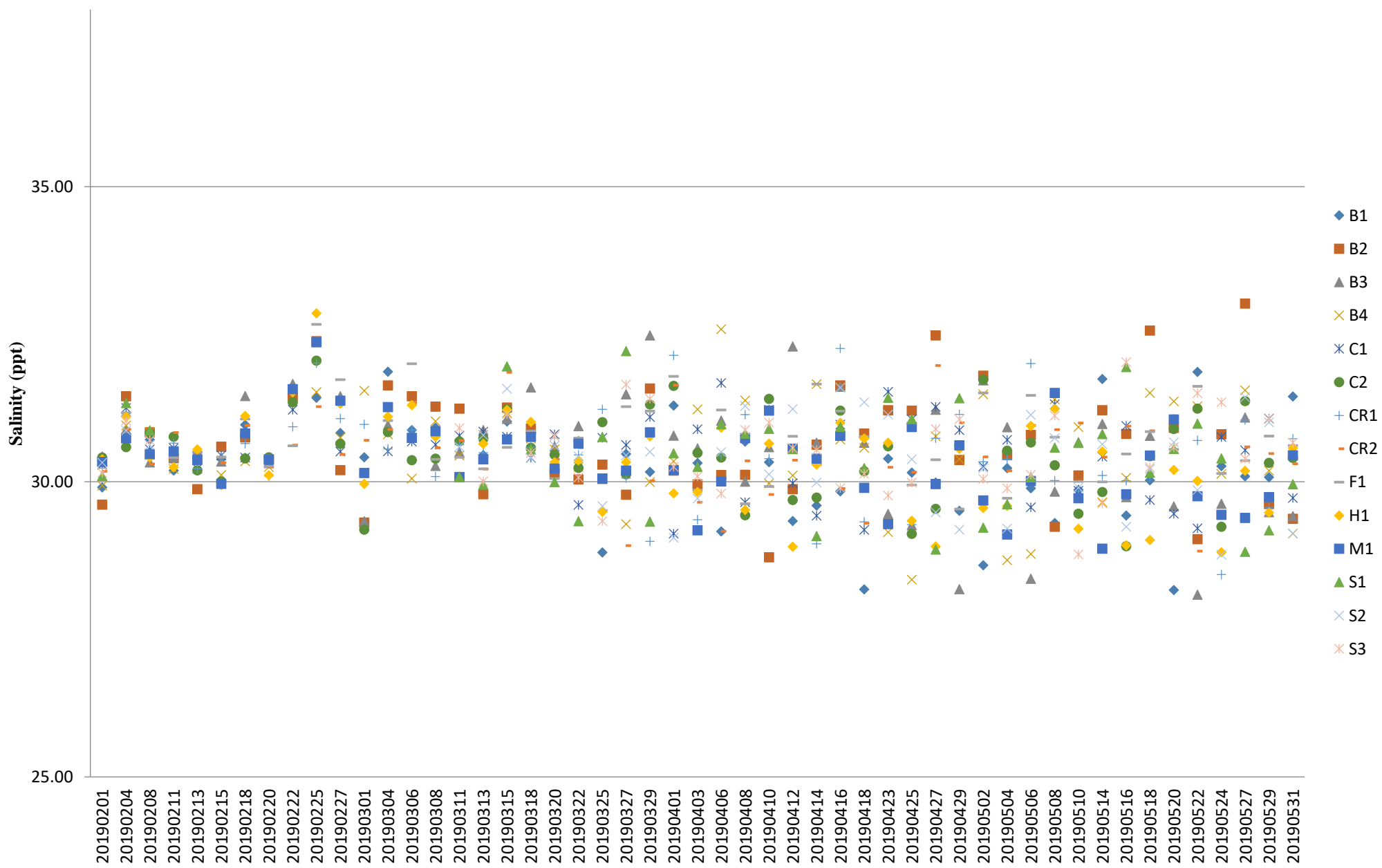
Contract No. EP/SP/66/12  
 Integrated Waste Management Facilities, Phase 1  
 Impact Water Quality Monitoring Data

Location	Date	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	Direction in NESW
S3	20190531	Cloudy	Moderate	Mid-Flood	M	5.4	16:20	12.23	8.76	29.44	23.9	1.62	6	104	0.226	NW
S3	20190531	Cloudy	Moderate	Mid-Flood	M	5.4	16:20	11.31	8.77	28.48	23.8	2.12	7	105	0.223	W
S3	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:21	11.68	8.45	28.56	23.8	2.21	4	106	0.284	W
S3	20190531	Cloudy	Moderate	Mid-Flood	S	1	16:21	11.66	8.51	28.85	23.8	2.02	4	106	0.234	SW
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.																

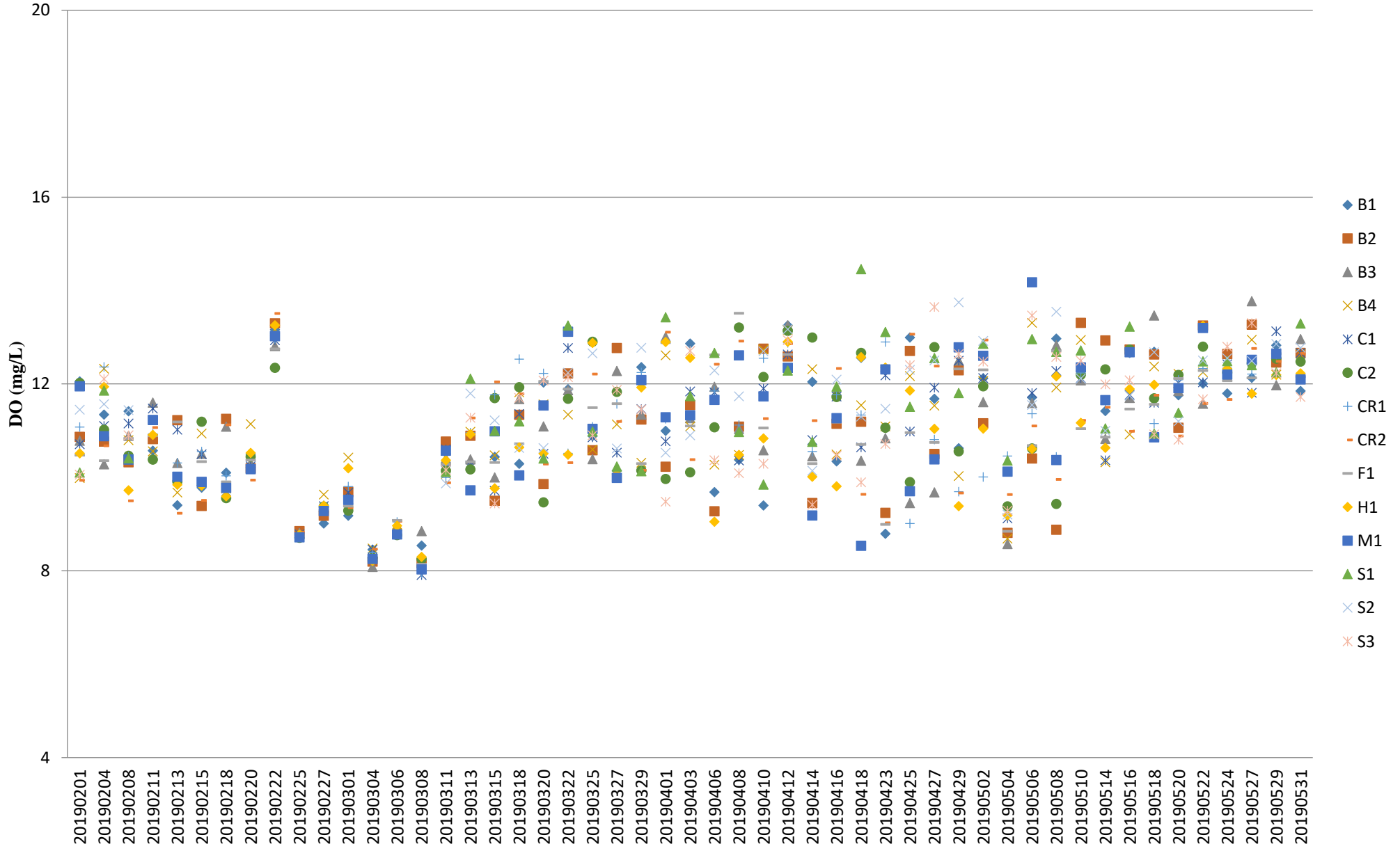
# Salinity (Depth-averaged) during MID-FLOOD



# Salinity (Depth-averaged) during MID-EBB

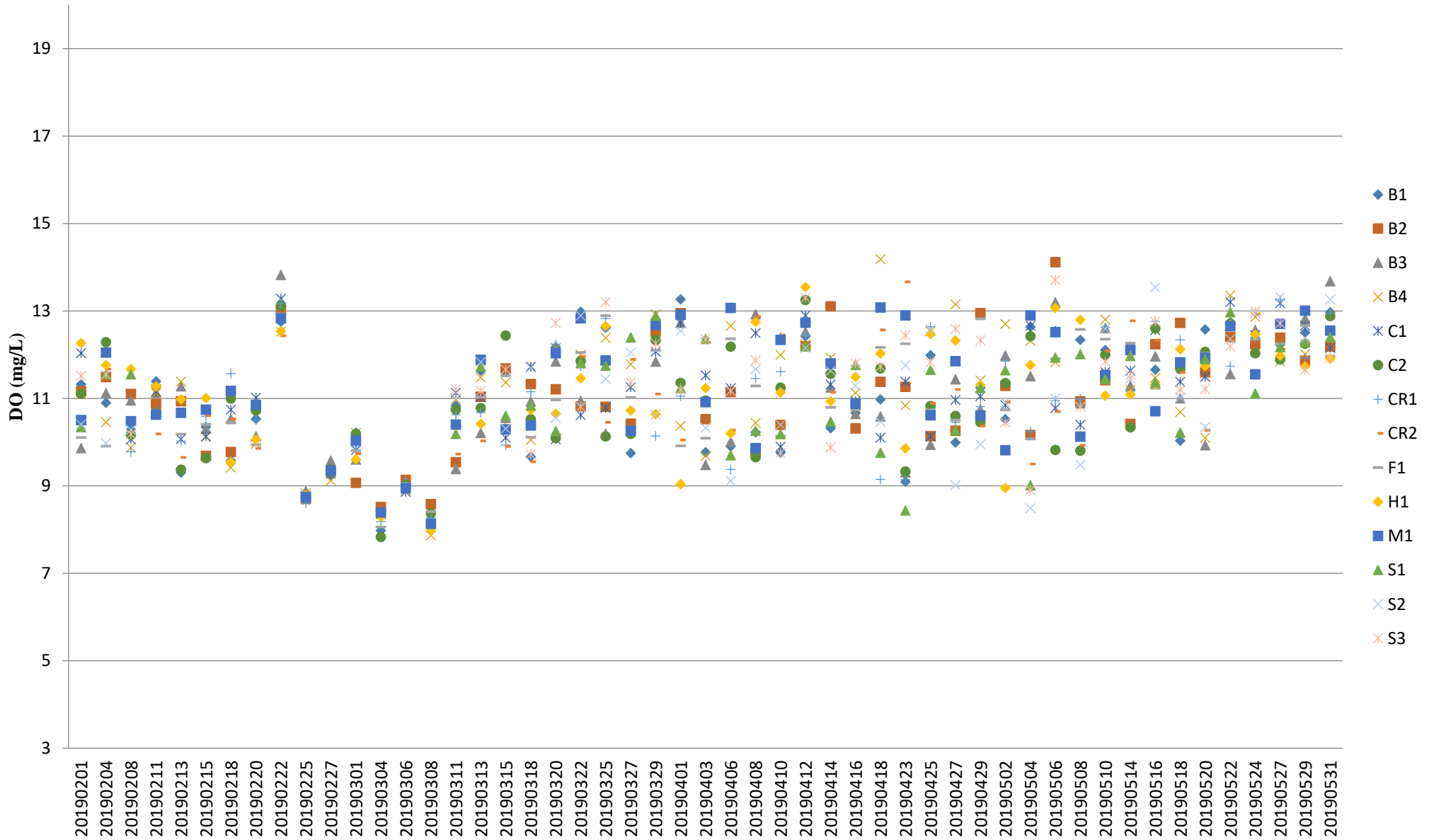


## Dissolved Oxygen (Surface & Middle) during MID-FLOOD



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

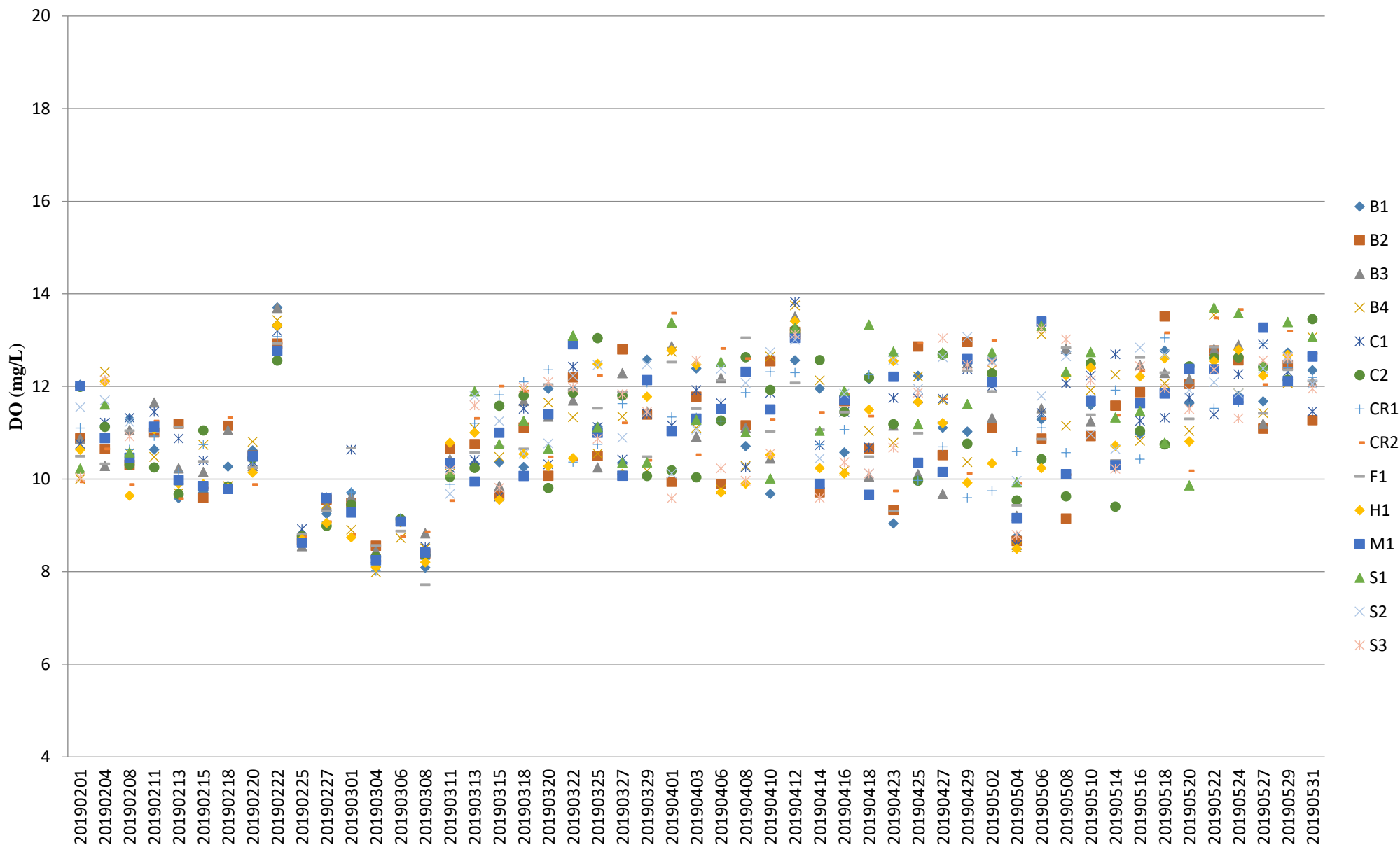
## Dissolved Oxygen (Surface & Middle) during MID-EBB



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

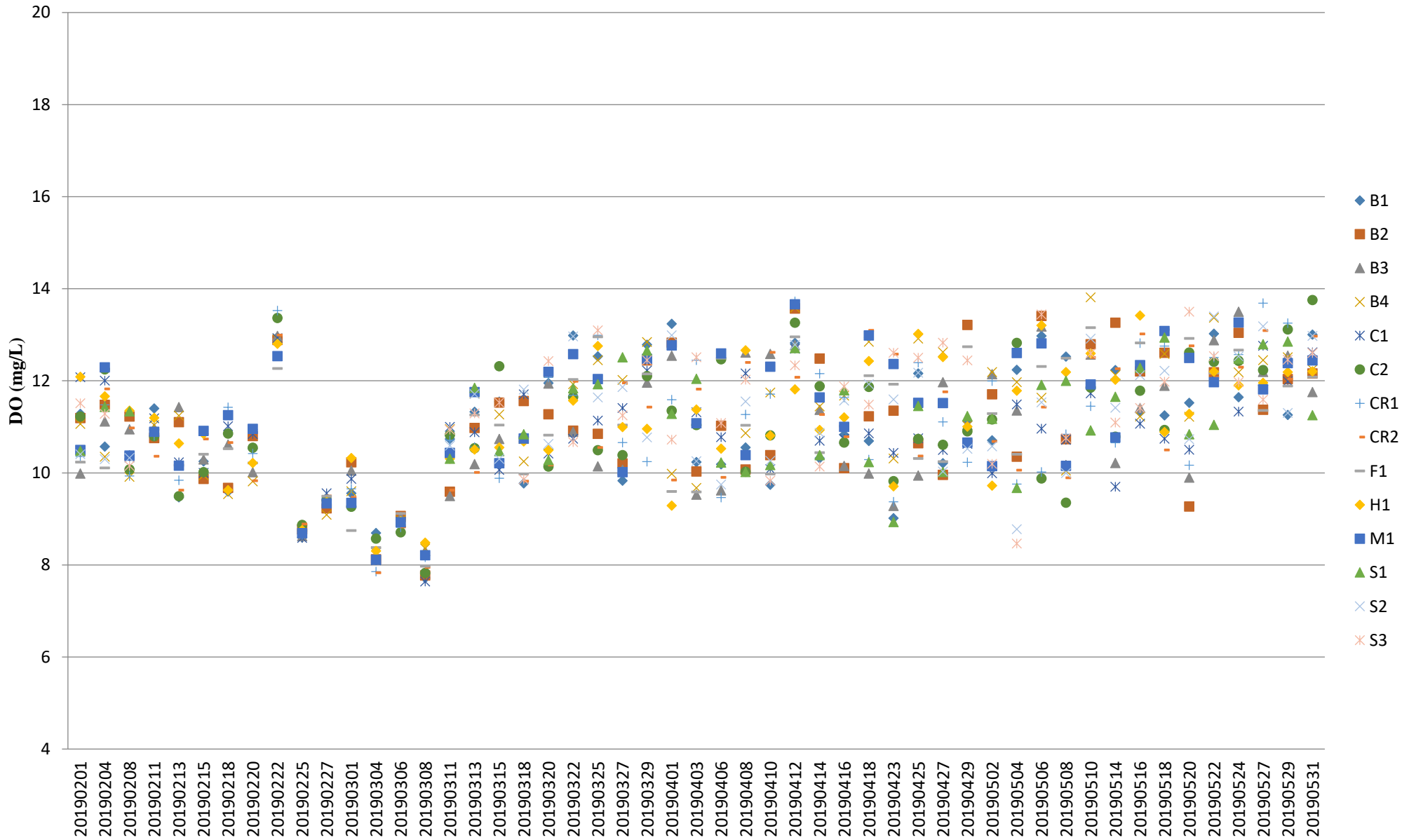


## Dissolved Oxygen (Bottom) during MID-FLOOD



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

## Dissolved Oxygen (Bottom) during MID-EBB

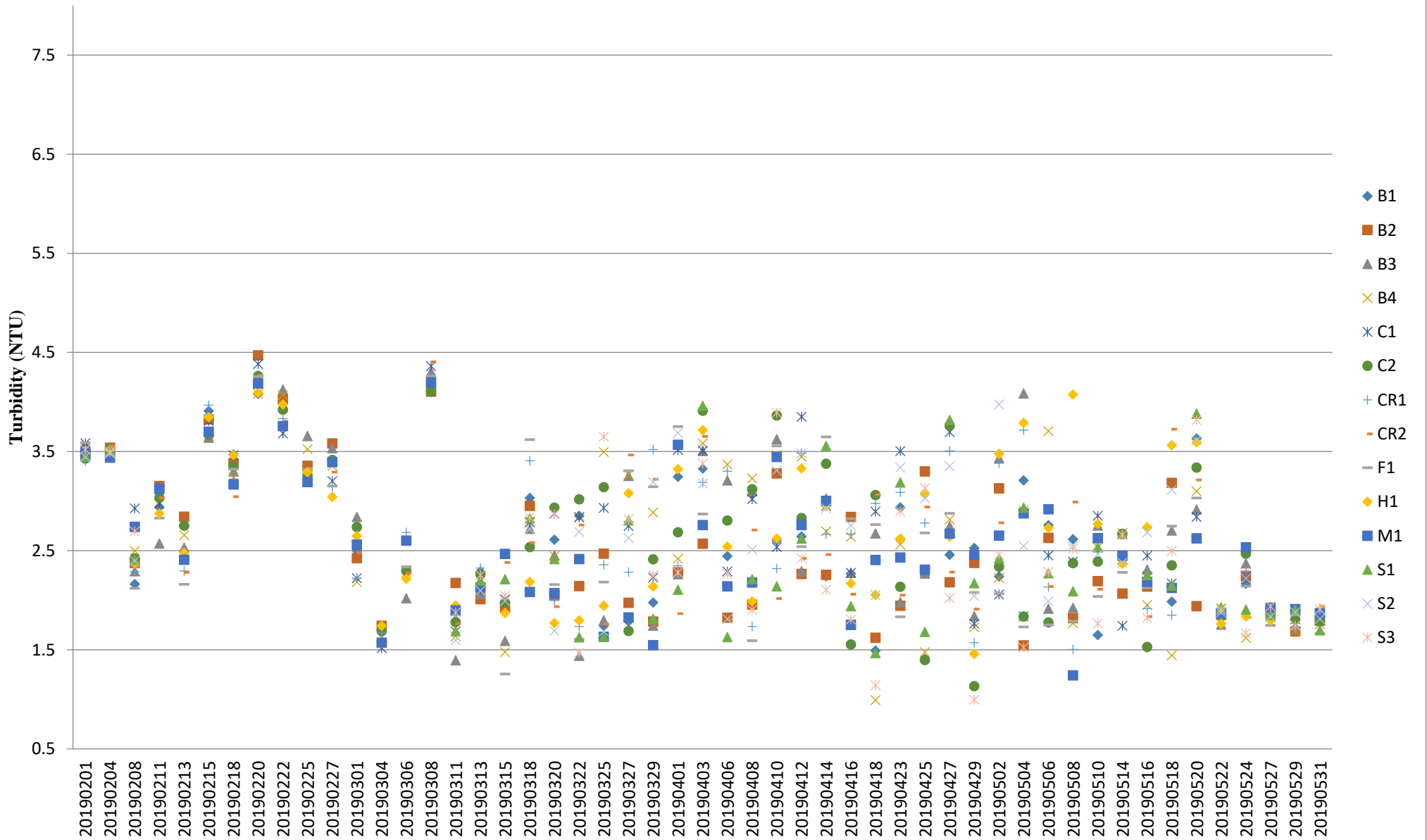


Note: The Action and Limit Level of dissolved oxygen can be referred to **Table 2.7** and **Table 2.8** of the monthly EM&A report.



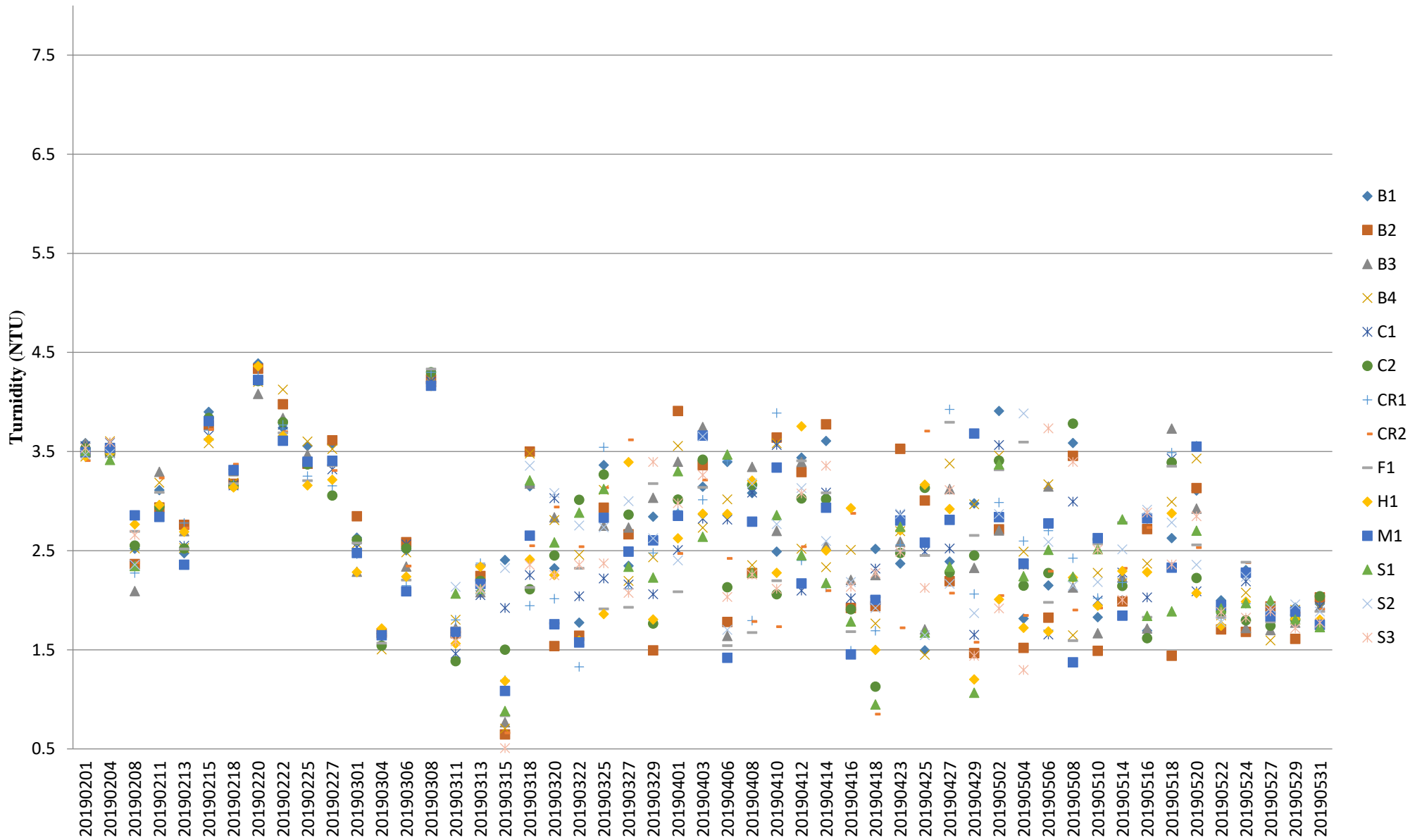


## Turbidity (Depth-averaged) during MID-FLOOD



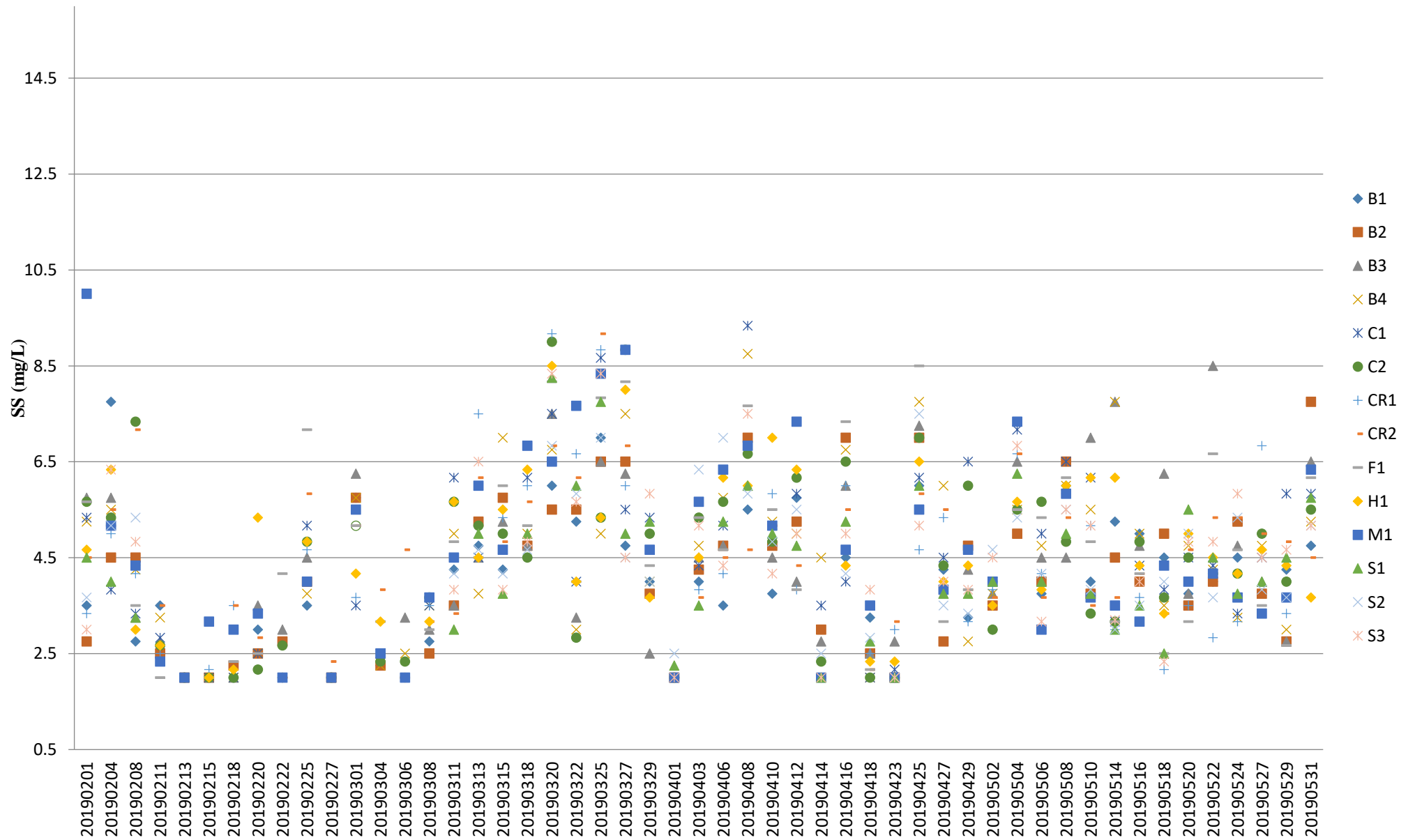
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** and **Table 2.8** of the monthly EM&A report.

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



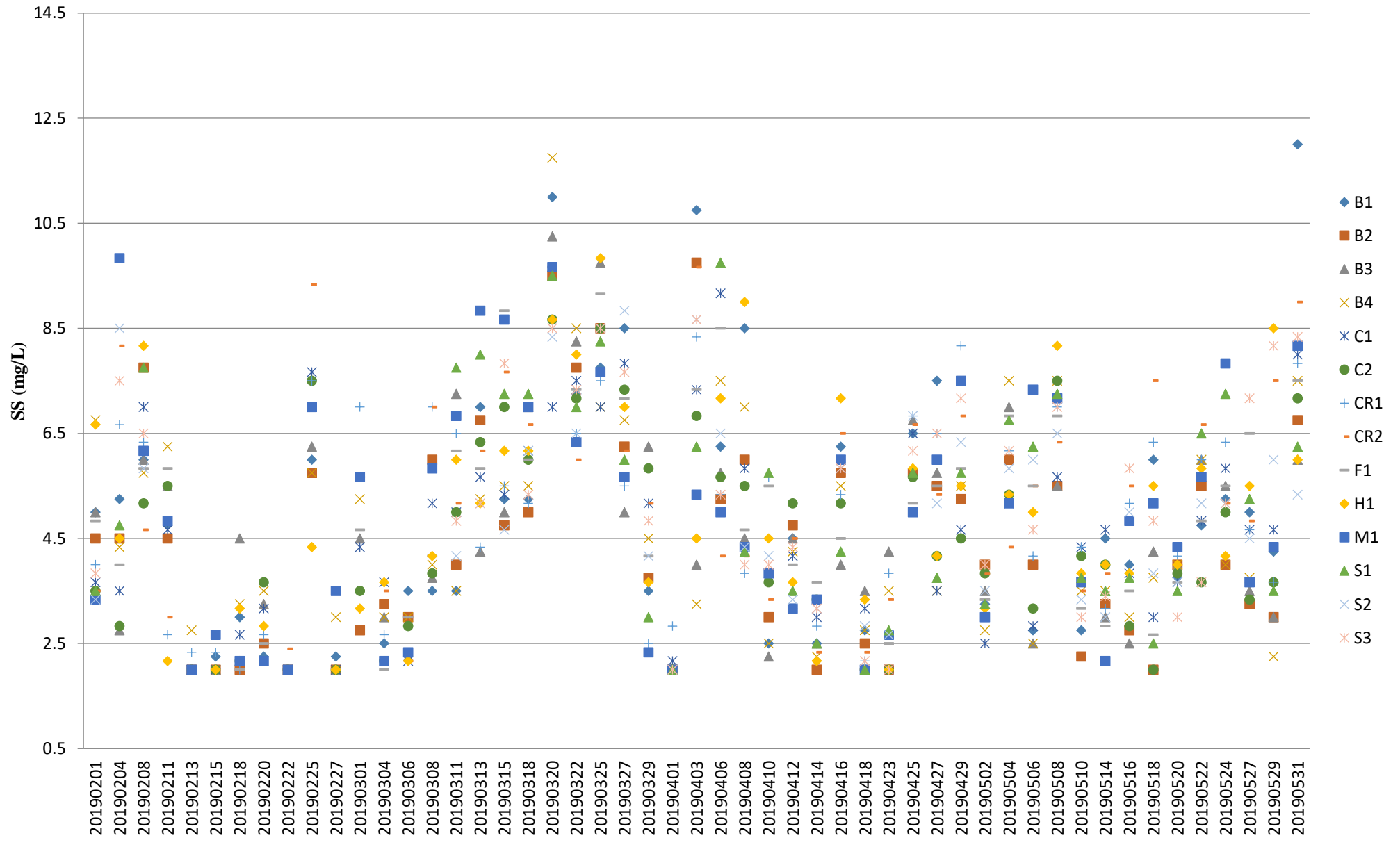
Note: The Action and Limit Level of turbidity can be referred to **Table 2.7** and **Table 2.8** of the monthly EM&A report.

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



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

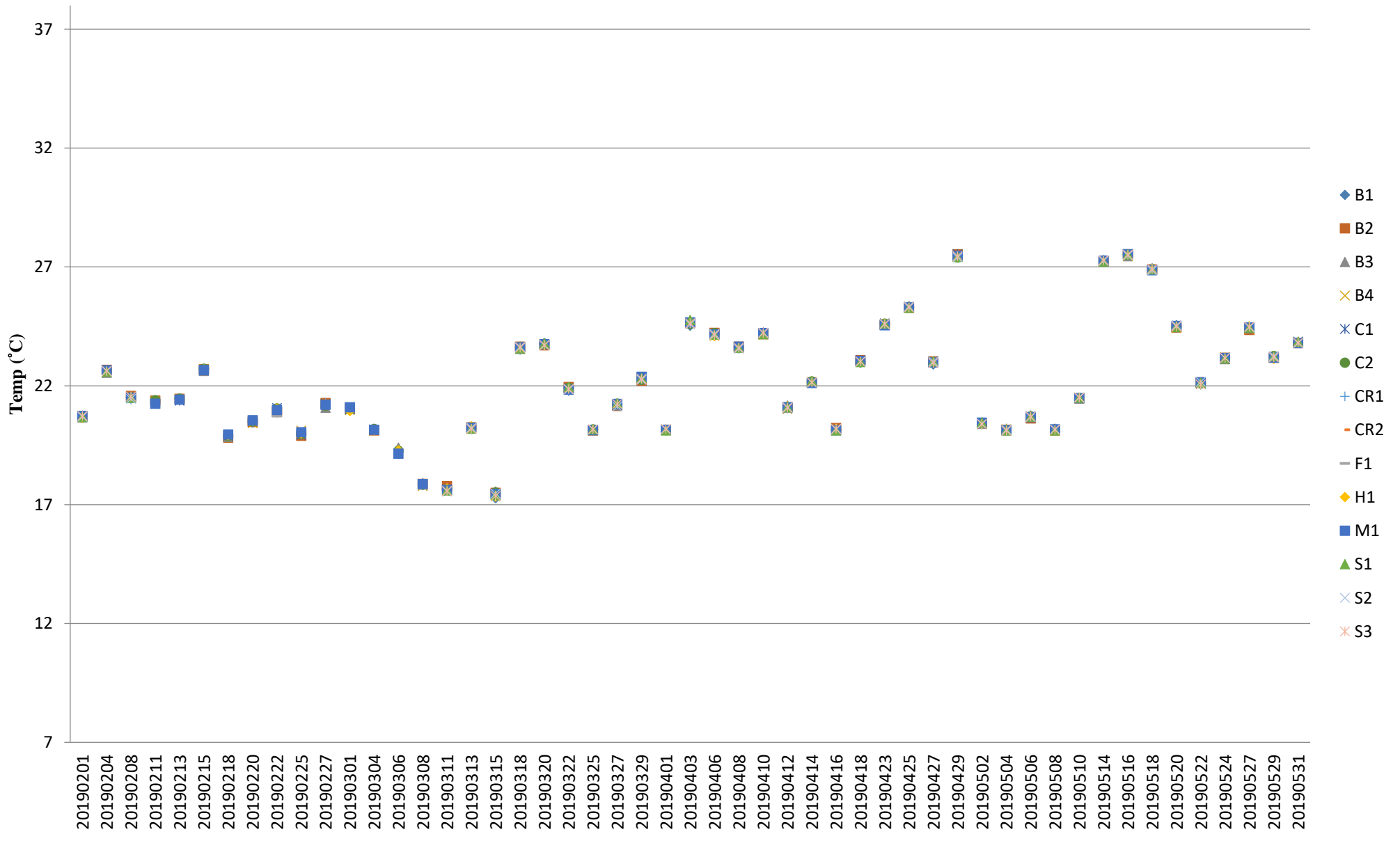
## Suspended Solids (Depth-averaged) during MID-EBB



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

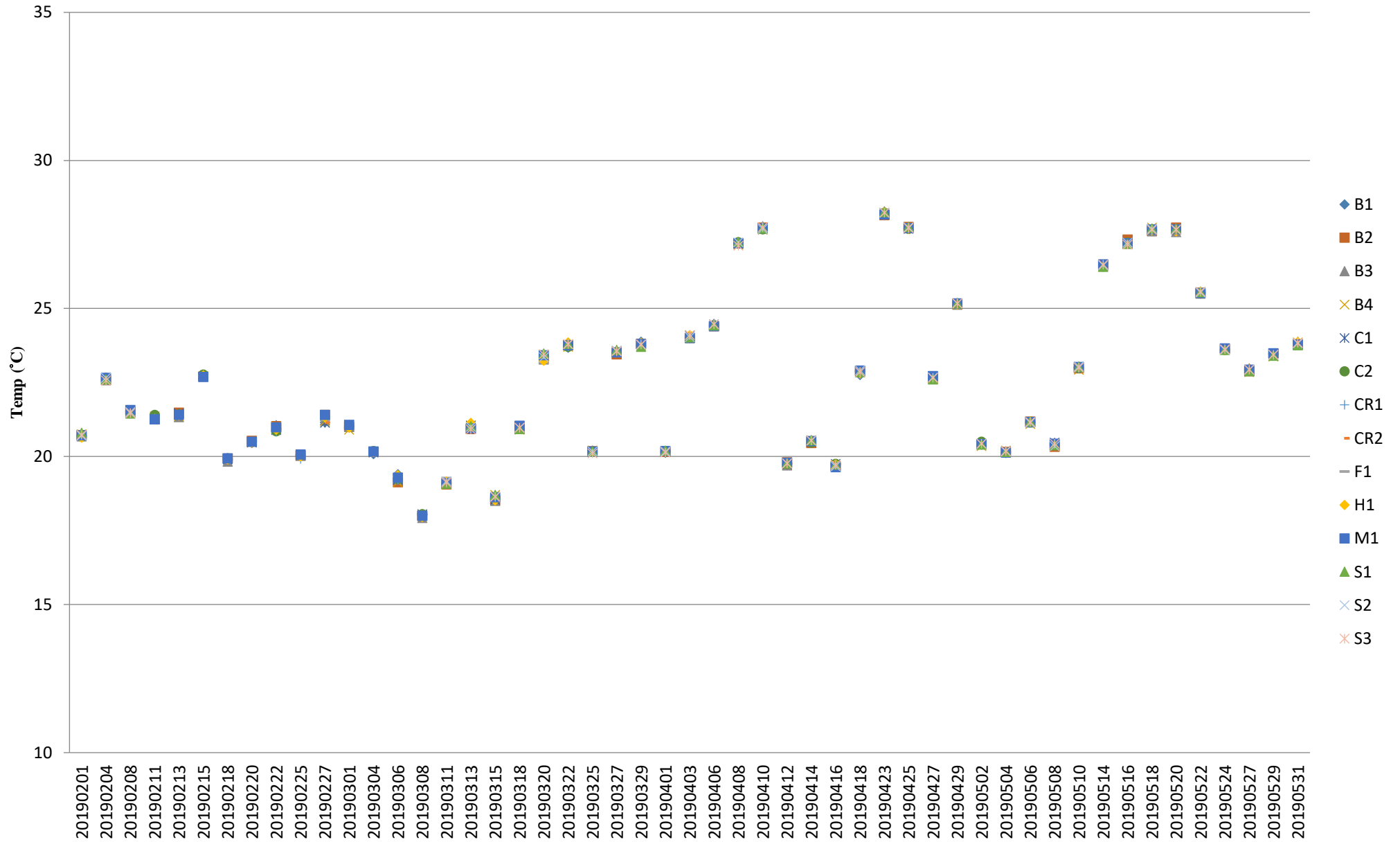


## Temperature (Depth-averaged) during MID-FLOOD



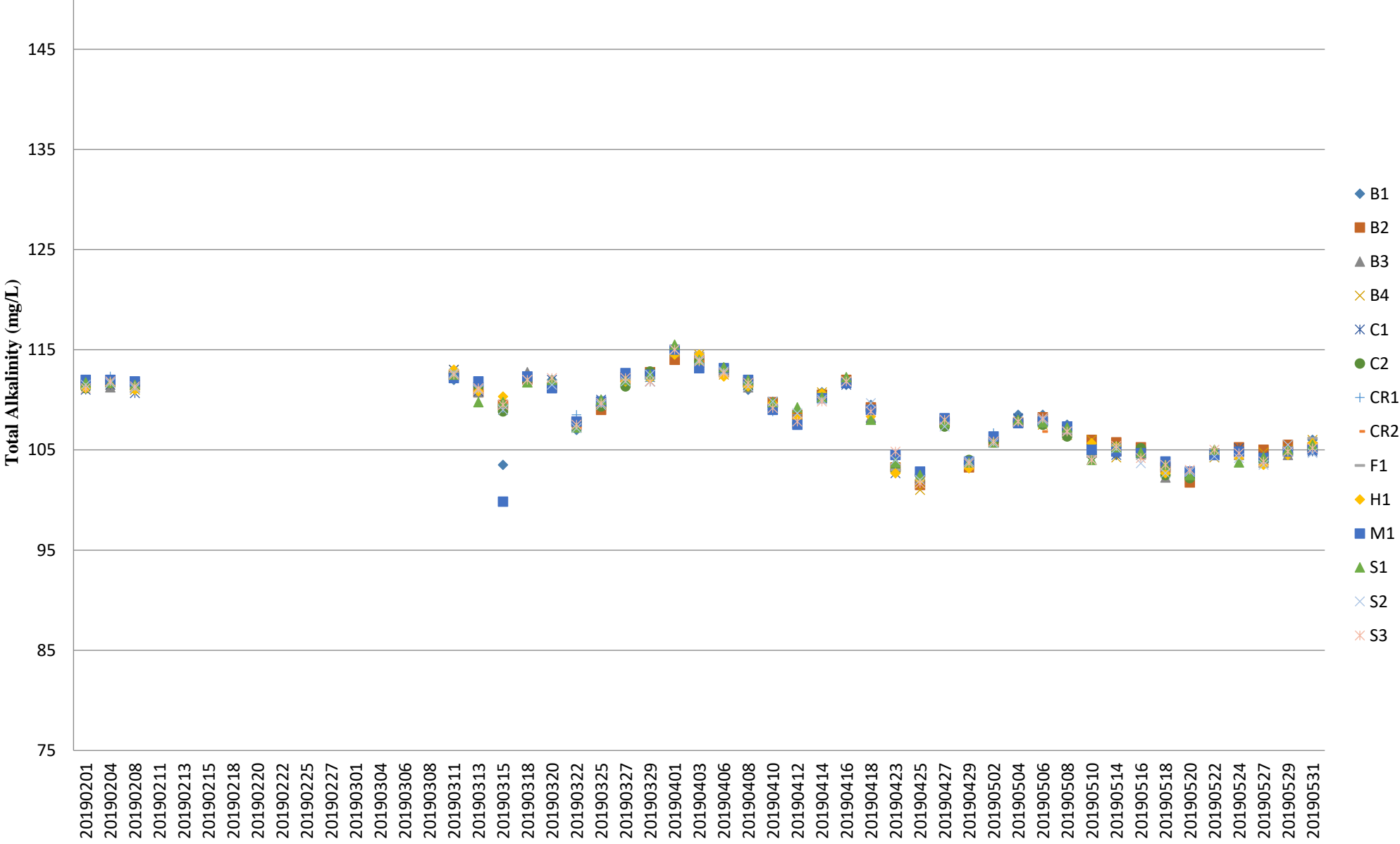
Note: The Action and Limit Level of temperature can be referred to **Table 2.7** and **Table 2.8** of the monthly EM&A report.

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



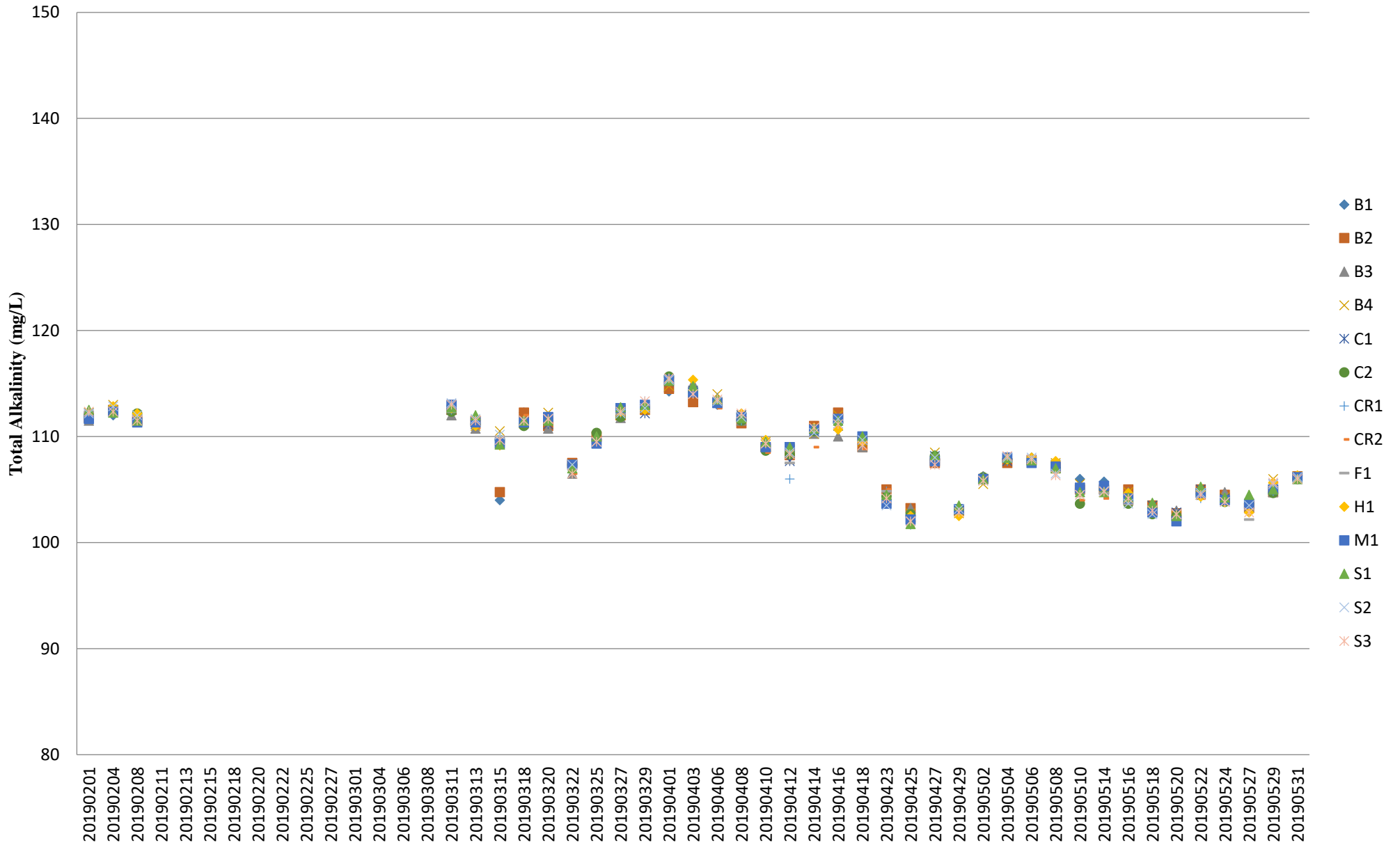
Note: The Action and Limit Level of temperature can be referred to **Table 2.7** and **Table 2.8** of the monthly EM&A report.

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



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