

Appendix I

Water Quality Monitoring Results

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
C1	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	13:51	8.36	7.99	29.62	29.39	3.53	4	0.269	SE	/
C1	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	13:51	8.35	7.96	29.80	29.47	3.62	3	0.289	E	/
C1	20220901	Sunny	Moderate	Mid-Ebb	Middle	11.1	13:50	8.10	7.97	29.55	29.37	3.79	5	0.282	SE	/
C1	20220901	Sunny	Moderate	Mid-Ebb	Middle	11.1	13:50	8.29	7.95	29.83	29.41	3.99	4	0.295	SE	/
C1	20220901	Sunny	Moderate	Mid-Ebb	Bottom	21.2	13:49	8.32	8.08	29.69	29.39	3.85	2.5	0.303	SE	/
C1	20220901	Sunny	Moderate	Mid-Ebb	Bottom	21.2	13:49	8.38	8.07	29.65	29.48	4.10	2.5	0.273	E	/
C2	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	15:08	8.45	7.95	30.00	29.58	3.02	4	0.272	E	/
C2	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	15:08	8.44	7.99	30.01	29.49	3.09	4	0.285	E	/
C2	20220901	Sunny	Moderate	Mid-Ebb	Middle	12.15	15:07	8.25	7.97	29.99	29.54	3.33	4	0.291	SE	/
C2	20220901	Sunny	Moderate	Mid-Ebb	Middle	12.15	15:07	8.31	7.99	29.77	29.58	3.25	7	0.270	SE	/
C2	20220901	Sunny	Moderate	Mid-Ebb	Bottom	23.3	15:06	8.39	8.02	29.79	29.54	3.29	5	0.281	E	/
C2	20220901	Sunny	Moderate	Mid-Ebb	Bottom	23.3	15:06	8.45	8.04	30.07	29.46	3.47	4	0.296	SE	/
M1	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	14:31	8.83	8.03	29.62	29.36	3.37	4	0.286	E	/
M1	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	14:31	8.82	7.96	29.66	29.33	3.60	4	0.280	SE	/
M1	20220901	Sunny	Moderate	Mid-Ebb	Middle	3.35	14:30	8.70	7.96	29.64	29.31	3.32	7	0.270	SE	/
M1	20220901	Sunny	Moderate	Mid-Ebb	Middle	3.35	14:30	8.71	8.00	29.64	29.39	3.48	6	0.279	SE	/
M1	20220901	Sunny	Moderate	Mid-Ebb	Bottom	5.7	14:29	8.74	8.04	29.60	29.41	3.38	2.5	0.278	E	/
M1	20220901	Sunny	Moderate	Mid-Ebb	Bottom	5.7	14:29	8.84	8.04	29.57	29.45	3.49	2.5	0.282	SE	/
M2	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	14:10	8.34	8.03	29.76	29.45	3.18	4	0.292	E	/
M2	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	14:10	8.30	8.12	29.81	29.34	3.48	3	0.288	E	/
M2	20220901	Sunny	Moderate	Mid-Ebb	Middle	6.75	14:09	8.18	8.04	29.78	29.44	3.12	3	0.293	SE	/
M2	20220901	Sunny	Moderate	Mid-Ebb	Middle	6.75	14:09	8.26	7.98	29.73	29.40	3.34	5	0.275	SE	/
M2	20220901	Sunny	Moderate	Mid-Ebb	Bottom	12.5	14:08	8.22	8.00	29.71	29.42	3.27	9	0.264	E	/
M2	20220901	Sunny	Moderate	Mid-Ebb	Bottom	12.5	14:08	8.25	8.01	29.62	29.33	3.48	6	0.291	E	/
M3	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	14:49	8.24	8.13	30.23	29.50	2.23	8	0.277	E	/
M3	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	14:49	8.39	8.09	30.52	29.49	2.31	5	0.283	SE	/
M3	20220901	Sunny	Moderate	Mid-Ebb	Middle	3.85	14:48	8.37	8.04	30.28	29.54	2.58	5	0.292	E	/
M3	20220901	Sunny	Moderate	Mid-Ebb	Middle	3.85	14:48	8.32	8.13	30.30	29.59	2.54	3	0.283	E	/
M3	20220901	Sunny	Moderate	Mid-Ebb	Bottom	6.7	14:47	8.28	8.15	30.30	29.47	2.69	7	0.284	E	/
M3	20220901	Sunny	Moderate	Mid-Ebb	Bottom	6.7	14:47	8.41	8.07	30.39	29.49	2.58	4	0.299	E	/
M4	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	15:32	8.83	8.00	30.27	29.39	3.11	4	0.296	SE	/
M4	20220901	Sunny	Moderate	Mid-Ebb	Surface	1	15:32	8.82	7.99	30.37	29.39	3.12	4	0.275	E	/
M4	20220901	Sunny	Moderate	Mid-Ebb	Bottom	4	15:31	8.85	7.95	30.36	29.24	2.86	4	0.267	SE	/
M4	20220901	Sunny	Moderate	Mid-Ebb	Bottom	4	15:31	9.06	7.96	30.50	29.35	2.98	3	0.294	E	/
C1	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	9:31	8.18	8.06	31.14	28.78	3.18	5	0.293	SE	/
C1	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	9:31	8.16	8.09	31.19	28.69	3.41	7	0.263	SE	/
C1	20220903	Sunny	Moderate	Mid-Ebb	Middle	11.05	9:30	8.15	8.17	31.22	28.79	3.71	9	0.277	SE	/
C1	20220903	Sunny	Moderate	Mid-Ebb	Middle	11.05	9:30	8.26	8.16	31.00	28.75	3.53	6	0.278	E	/
C1	20220903	Sunny	Moderate	Mid-Ebb	Bottom	21.1	9:29	8.26	8.09	31.03	28.67	3.95	6	0.263	E	/
C1	20220903	Sunny	Moderate	Mid-Ebb	Bottom	21.1	9:29	8.31	8.09	31.21	28.64	3.86	9	0.274	E	/
C2	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	10:42	8.60	8.17	30.63	28.49	3.12	9	0.275	E	/
C2	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	10:42	8.66	8.07	30.87	28.38	3.06	7	0.274	E	/
C2	20220903	Sunny	Moderate	Mid-Ebb	Middle	12.55	10:41	8.61	8.16	30.88	28.51	3.39	6	0.270	SE	/
C2	20220903	Sunny	Moderate	Mid-Ebb	Middle	12.55	10:41	8.55	8.15	30.72	28.46	3.26	7	0.267	SE	/
C2	20220903	Sunny	Moderate	Mid-Ebb	Bottom	24.1	10:40	8.56	8.12	30.75	28.44	3.25	6	0.284	E	/
C2	20220903	Sunny	Moderate	Mid-Ebb	Bottom	24.1	10:40	8.65	8.10	30.70	28.46	3.60	3	0.299	SE	/
M1	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	10:06	8.11	8.14	31.32	28.68	2.50	7	0.267	E	/
M1	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	10:06	8.13	8.15	31.39	28.64	2.26	8	0.285	SE	/
M1	20220903	Sunny	Moderate	Mid-Ebb	Middle	3.35	10:05	8.16	8.10	31.25	28.70	2.44	2.5	0.270	E	/
M1	20220903	Sunny	Moderate	Mid-Ebb	Middle	3.35	10:05	8.14	8.09	31.41	28.58	2.05	2.5	0.266	SE	/
M1	20220903	Sunny	Moderate	Mid-Ebb	Bottom	5.7	10:04	7.95	8.15	31.25	28.61	2.16	6	0.263	SE	/
M1	20220903	Sunny	Moderate	Mid-Ebb	Bottom	5.7	10:04	8.03	8.17	31.23	28.65	2.16	7	0.271	SE	/
M2	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	9:48	8.49	8.09	30.26	28.63	2.56	7	0.283	E	/
M2	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	9:48	8.57	8.05	30.18	28.57	2.25	7	0.288	SE	/
M2	20220903	Sunny	Moderate	Mid-Ebb	Middle	7	9:47	8.58	7.99	30.18	28.54	2.44	9	0.293	E	/
M2	20220903	Sunny	Moderate	Mid-Ebb	Middle	7	9:47	8.55	7.97	30.40	28.55	2.64	8	0.263	E	/
M2	20220903	Sunny	Moderate	Mid-Ebb	Bottom	13	9:46	8.55	8.01	30.34	28.64	2.61	8	0.292	SE	/
M2	20220903	Sunny	Moderate	Mid-Ebb	Bottom	13	9:46	8.57	7.95	30.31	28.51	2.62	10	0.288	SE	/
M3	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	10:23	8.57	7.93	30.35	28.45	2.55	2.5	0.278	E	/
M3	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	10:23	8.41	7.97	30.52	28.39	2.43	2.5	0.282	SE	/
M3	20220903	Sunny	Moderate	Mid-Ebb	Middle	3.2	10:22	8.68	7.95	30.38	28.38	2.54	6	0.275	SE	/
M3	20220903	Sunny	Moderate	Mid-Ebb	Middle	3.2	10:22	8.68	8.05	30.55	28.52	2.54	7	0.285	SE	/
M3	20220903	Sunny	Moderate	Mid-Ebb	Bottom	5.4	10:21	8.53	7.94	30.47	28.43	2.24	6	0.265	SE	/
M3	20220903	Sunny	Moderate	Mid-Ebb	Bottom	5.4	10:21	8.61	8.06	30.48	28.43	2.68	8	0.292	SE	/
M4	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	11:08	8.43	8.04	31.64	28.68	2.67	7	0.284	E	/
M4	20220903	Sunny	Moderate	Mid-Ebb	Surface	1	11:08	8.56	8.04	31.43	28.55	2.53	7	0.276	SE	/
M4	20220903	Sunny	Moderate	Mid-Ebb	Bottom	4.3	11:07	8.53	8.08	31.42	28.62	2.42	9	0.287	E	/
M4	20220903	Sunny	Moderate	Mid-Ebb	Bottom	4.3	11:07	8.55	8.17	31.48	28.59	2.62	8	0.294	SE	/
C1	20220906	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	9.39	8.10	32.24	29.64	3.11	9	0.268	SE	/
C1	20220906	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	9.47	8.07	32.12	29.66	3.13	9	0.270	SE	/
C1	20220906	Cloudy	Moderate	Mid-Ebb	Middle	10.6	8:01	9.51	8.11	32.03	29.57	3.36	10	0.297	E	/
C1	20220906	Cloudy	Moderate	Mid-Ebb	Middle	10.6	8:01	9.53	8.06	32.21	29.63	3.42	6	0.265	SE	/
C1	20220906	Cloudy	Moderate	Mid-Ebb	Bottom	20.2	8:00	9.36	8.05	32.20	29.61	3.48	7	0.271	SE	/
C1	20220906	Cloudy	Moderate	Mid-Ebb	Bottom	20.2	8:00	9.36	8.08	32.01	29.50	3.70	9	0.276	SE	/
C2	20220906	Cloudy	Moderate	Mid-Ebb	Surface	1	9:12	9.16	8.01	32.51	29.67	2.85	5	0.271	E	/
C2	20220906	Cloudy	Moderate	Mid-Ebb	Surface	1	9:12	9.12	7.98	32.47	29.65	2.72	4	0.274	E	/
C2	20220906	Cloudy	Moderate	Mid-Ebb	Middle	11.35	9:11	9.13	8.04	32.53	29.50	2.81	6	0.275	E	/
C2	20220906	Cloudy	Moderate	Mid-Ebb	Middle	11.35	9:11	9.16	8.03	32.50	29.51	2.71	6	0.299	SE	/
C2	20220906	Cloudy	Moderate	Mid-Ebb	Bottom	21.7	9:10	9.09	7.99	32.40	29.63	2.96	7	0.291	E	/
C2	20220906	Cloudy	Moderate	Mid-Ebb	Bottom	21.7	9:10	9.05	8.00	32.50	29.52	2.92	6	0.260	SE	/
M1	20220906	Cloudy	Moderate	Mid-Ebb	Surface	1	8:38	9.34	8.17	31.95	29.76	3.17	7	0.273	SE	/
M1	20220906	Cloudy	Moderate	Mid-Ebb	Surface	1	8:38	9.38	8.16	32.02	29.73	2.91	8	0.295	E	/
M1	20220906	Cloudy	Moderate	Mid-Ebb	Middle	3.6	8:37	9.51	8.18	31.96	29.76	3.16	2.5	0.272	SE	/
M1	20220906	Cloudy	Moderate	Mid-Ebb	Middle	3.6	8:37	9.49	8.18	31.92	29.71	3.00	2.5	0.298	SE	/
M1	20220906	Cloudy	Moderate	Mid-Ebb	Bottom	6.2	8:36	9.43	8.19	31.93	29.76	3.27	7	0.300	SE	/
M1	20220906	Cloudy	Moderate	Mid-Ebb	Bottom	6.2	8:36	9.50	8.18	31.81						

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
M1	20220908	Cloudy	Moderate	Mid-Ebb	Middle	3.2	9:21	8.43	8.21	28.39	28.66	2.58	7	0.271	SE	/
M1	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	9:20	8.48	8.18	28.45	28.66	2.48	15	0.282	SE	/
M1	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	9:20	8.57	8.18	28.62	28.56	2.70	12	0.267	SE	/
M2	20220908	Cloudy	Moderate	Mid-Ebb	Surface	1	9:07	8.36	8.21	29.17	28.61	1.84	6	0.297	E	/
M2	20220908	Cloudy	Moderate	Mid-Ebb	Surface	1	9:07	8.41	8.26	29.20	28.45	1.91	7	0.270	SE	/
M2	20220908	Cloudy	Moderate	Mid-Ebb	Middle	6.05	9:06	8.56	8.27	29.17	28.44	1.95	7	0.270	SE	/
M2	20220908	Cloudy	Moderate	Mid-Ebb	Middle	6.05	9:06	8.58	8.25	29.15	28.42	1.91	5	0.287	E	/
M2	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	11.1	9:05	8.39	8.34	29.06	28.47	1.86	3	0.266	E	/
M2	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	11.1	9:05	8.45	8.33	29.21	28.45	1.84	5	0.296	E	/
M3	20220908	Cloudy	Moderate	Mid-Ebb	Surface	1	9:38	8.91	8.16	28.34	28.51	2.22	7	0.288	E	/
M3	20220908	Cloudy	Moderate	Mid-Ebb	Surface	1	9:38	8.97	8.19	28.72	28.68	2.56	6	0.271	SE	/
M3	20220908	Cloudy	Moderate	Mid-Ebb	Middle	3.5	9:37	8.94	8.21	28.68	28.67	2.31	7	0.294	E	/
M3	20220908	Cloudy	Moderate	Mid-Ebb	Middle	3.5	9:37	8.94	8.18	28.44	28.65	2.66	6	0.285	E	/
M3	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	6	9:36	8.94	8.17	28.44	28.69	2.43	6	0.271	SE	/
M3	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	6	9:36	8.83	8.20	28.48	28.60	2.40	7	0.290	SE	/
M4	20220908	Cloudy	Moderate	Mid-Ebb	Surface	1	10:16	8.95	8.23	28.66	28.64	2.27	6	0.288	E	/
M4	20220908	Cloudy	Moderate	Mid-Ebb	Surface	1	10:16	9.15	8.20	28.51	28.52	2.39	5	0.264	SE	/
M4	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	4.6	10:15	9.12	8.16	28.55	28.59	2.18	8	0.289	E	/
M4	20220908	Cloudy	Moderate	Mid-Ebb	Bottom	4.6	10:15	9.06	8.20	28.50	28.61	2.36	5	0.285	E	/
C1	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	10:25	8.24	8.12	30.09	29.97	3.63	8	0.270	SE	/
C1	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	10:25	8.13	8.08	30.13	29.94	3.65	7	0.270	E	/
C1	20220910	Sunny	Moderate	Mid-Ebb	Middle	9.9	10:24	8.29	8.10	30.16	29.89	3.44	10	0.272	E	/
C1	20220910	Sunny	Moderate	Mid-Ebb	Middle	9.9	10:24	8.23	8.09	30.16	29.95	3.55	10	0.281	SE	/
C1	20220910	Sunny	Moderate	Mid-Ebb	Bottom	18.8	10:23	8.17	8.14	30.05	29.90	3.71	8	0.297	SE	/
C1	20220910	Sunny	Moderate	Mid-Ebb	Bottom	18.8	10:23	8.18	8.17	30.10	29.90	3.60	7	0.286	E	/
C2	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	11:33	8.30	8.25	30.19	30.10	2.87	10	0.285	E	/
C2	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	11:33	8.27	8.20	30.16	30.10	2.92	10	0.268	E	/
C2	20220910	Sunny	Moderate	Mid-Ebb	Middle	11.3	11:32	8.24	8.22	30.11	30.08	2.90	8	0.291	SE	/
C2	20220910	Sunny	Moderate	Mid-Ebb	Middle	11.3	11:32	8.38	8.27	30.20	30.12	3.00	9	0.281	E	/
C2	20220910	Sunny	Moderate	Mid-Ebb	Bottom	21.6	11:31	8.24	8.27	30.16	30.10	2.98	9	0.267	SE	/
C2	20220910	Sunny	Moderate	Mid-Ebb	Bottom	21.6	11:31	8.15	8.21	30.14	30.11	3.07	9	0.292	E	/
M1	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	10:57	8.70	8.13	30.43	30.02	2.76	10	0.292	SE	/
M1	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	10:57	8.67	8.18	30.46	30.05	2.50	8	0.287	E	/
M1	20220910	Sunny	Moderate	Mid-Ebb	Middle	3.3	10:56	8.65	8.19	30.52	30.00	2.87	3	0.288	SE	/
M1	20220910	Sunny	Moderate	Mid-Ebb	Middle	3.3	10:56	8.58	8.12	30.55	29.98	2.66	2.5	0.281	SE	/
M1	20220910	Sunny	Moderate	Mid-Ebb	Bottom	5.6	10:55	8.67	8.14	30.46	30.02	2.66	7	0.279	SE	/
M1	20220910	Sunny	Moderate	Mid-Ebb	Bottom	5.6	10:55	8.53	8.19	30.44	29.99	2.80	7	0.275	SE	/
M2	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	10:42	8.68	8.20	30.28	29.94	2.23	7	0.283	E	/
M2	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	10:42	8.81	8.12	30.20	30.00	2.14	7	0.267	SE	/
M2	20220910	Sunny	Moderate	Mid-Ebb	Middle	6.45	10:41	8.76	8.16	30.20	29.98	2.33	6	0.285	E	/
M2	20220910	Sunny	Moderate	Mid-Ebb	Middle	6.45	10:41	8.77	8.15	30.22	29.95	2.10	4	0.267	SE	/
M2	20220910	Sunny	Moderate	Mid-Ebb	Bottom	11.9	10:40	8.81	8.16	30.28	30.00	2.33	6	0.268	SE	/
M2	20220910	Sunny	Moderate	Mid-Ebb	Bottom	11.9	10:40	8.74	8.12	30.25	29.97	2.23	4	0.278	E	/
M3	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	11:13	8.68	8.23	30.24	30.03	2.28	6	0.265	E	/
M3	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	11:13	8.63	8.28	30.25	29.99	2.36	7	0.271	SE	/
M3	20220910	Sunny	Moderate	Mid-Ebb	Middle	3.6	11:12	8.64	8.24	30.28	30.05	2.17	2.5	0.270	SE	/
M3	20220910	Sunny	Moderate	Mid-Ebb	Middle	3.6	11:12	8.54	8.27	30.25	30.02	2.39	4	0.268	SE	/
M3	20220910	Sunny	Moderate	Mid-Ebb	Bottom	6.2	11:11	8.52	8.26	30.33	30.06	2.03	7	0.270	SE	/
M3	20220910	Sunny	Moderate	Mid-Ebb	Bottom	6.2	11:11	8.66	8.23	30.27	30.03	2.01	8	0.270	SE	/
M4	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	12:01	8.65	8.18	29.95	29.78	2.70	8	0.280	SE	/
M4	20220910	Sunny	Moderate	Mid-Ebb	Surface	1	12:01	8.68	8.25	30.06	29.73	2.66	8	0.293	SE	/
M4	20220910	Sunny	Moderate	Mid-Ebb	Bottom	4.2	12:00	8.61	8.23	30.01	29.73	2.75	8	0.283	SE	/
M4	20220910	Sunny	Moderate	Mid-Ebb	Bottom	4.2	12:00	8.60	8.22	29.98	29.75	2.55	9	0.287	SE	/
C1	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	12:26	8.27	8.01	29.54	30.21	4.10	9	0.292	SE	/
C1	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	12:26	8.32	8.04	29.59	30.15	4.23	11	0.295	E	/
C1	20220913	Sunny	Moderate	Mid-Ebb	Middle	9.8	12:25	8.25	8.08	29.88	30.22	4.82	9	0.269	E	/
C1	20220913	Sunny	Moderate	Mid-Ebb	Middle	9.8	12:25	8.25	8.05	29.61	30.21	4.79	8	0.283	E	/
C1	20220913	Sunny	Moderate	Mid-Ebb	Bottom	18.6	12:24	8.33	8.02	29.51	30.17	4.78	10	0.272	E	/
C1	20220913	Sunny	Moderate	Mid-Ebb	Bottom	18.6	12:24	8.32	8.08	29.48	30.13	4.88	8	0.301	SE	/
C2	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	13:32	8.33	7.95	29.81	30.07	3.51	9	0.266	SE	/
C2	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	13:32	8.44	7.99	29.91	30.13	3.42	7	0.291	E	/
C2	20220913	Sunny	Moderate	Mid-Ebb	Middle	11.05	13:31	8.32	8.02	29.74	30.02	3.81	8	0.263	E	/
C2	20220913	Sunny	Moderate	Mid-Ebb	Middle	11.05	13:31	8.37	7.97	29.68	30.02	3.64	8	0.295	E	/
C2	20220913	Sunny	Moderate	Mid-Ebb	Bottom	21.1	13:30	8.39	7.99	29.89	30.11	4.42	10	0.301	SE	/
C2	20220913	Sunny	Moderate	Mid-Ebb	Bottom	21.1	13:30	8.38	8.02	29.90	30.12	3.97	9	0.298	SE	/
M1	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	12:58	8.49	8.07	29.19	30.21	3.91	10	0.299	SE	/
M1	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	12:58	8.42	8.09	29.10	30.15	3.88	13	0.294	E	/
M1	20220913	Sunny	Moderate	Mid-Ebb	Middle	3.5	12:57	8.49	8.04	29.17	30.25	3.96	5	0.269	E	/
M1	20220913	Sunny	Moderate	Mid-Ebb	Middle	3.5	12:57	8.51	8.03	29.23	30.27	3.83	6	0.282	E	/
M1	20220913	Sunny	Moderate	Mid-Ebb	Bottom	6	12:56	8.44	8.04	29.25	30.23	3.48	11	0.283	SE	/
M1	20220913	Sunny	Moderate	Mid-Ebb	Bottom	6	12:56	8.56	8.03	29.19	30.25	3.89	9	0.294	SE	/
M2	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	12:41	8.72	7.99	29.78	29.99	3.79	8	0.290	SE	/
M2	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	12:41	8.75	8.08	29.70	30.03	3.47	5	0.287	E	/
M2	20220913	Sunny	Moderate	Mid-Ebb	Middle	7	12:40	8.76	8.03	29.77	29.97	3.58	7	0.271	E	/
M2	20220913	Sunny	Moderate	Mid-Ebb	Middle	7	12:40	8.68	8.01	29.61	29.94	3.44	8	0.295	E	/
M2	20220913	Sunny	Moderate	Mid-Ebb	Bottom	13	12:39	8.80	8.05	29.56	29.98	3.86	3	0.282	SE	/
M2	20220913	Sunny	Moderate	Mid-Ebb	Bottom	13	12:39	8.80	8.07	29.73	30.04	3.40	5	0.268	E	/
M3	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	13:15	9.00	8.03	29.81	30.25	3.37	4	0.289	E	/
M3	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	13:15	9.00	8.04	29.81	30.22	3.35	4	0.274	E	/
M3	20220913	Sunny	Moderate	Mid-Ebb	Middle	3.85	13:14	8.95	8.01	29.68	30.19	3.47	7	0.284	SE	/
M3	20220913	Sunny	Moderate	Mid-Ebb	Middle	3.85	13:14	9.06	8.10	29.86	30.24	3.55	8	0.266	E	/
M3	20220913	Sunny	Moderate	Mid-Ebb	Bottom	6.7	13:13	9.01	8.06	29.76	30.22	3.64	6	0.297	SE	/
M3	20220913	Sunny	Moderate	Mid-Ebb	Bottom	6.7	13:13	9.12	8.03	29.72	30.24	3.38	5	0.289	SE	/
M4	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	13:54	8.77	8.12	29.66	30.06	2.85	10	0.296	SE	/
M4	20220913	Sunny	Moderate	Mid-Ebb	Surface	1	13:54	8.80	8.12	29.67	29.98	2.94	9	0.266	SE	/
M4	20220913	Sunny	Moderate	Mid-Ebb	Bottom	4	13:53	8.88	8.11	29.71	29.98	2				

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
M4	20220915	Sunny	Moderate	Mid-Ebb	Surface	1	15:10	9.07	8.17	32.01	30.62	2.73	3	0.270	E	/
M4	20220915	Sunny	Moderate	Mid-Ebb	Surface	1	15:10	8.74	8.17	31.91	30.63	2.54	4	0.289	SE	/
M4	20220915	Sunny	Moderate	Mid-Ebb	Bottom	4.2	15:09	8.73	8.17	31.84	30.66	2.84	4	0.300	SE	/
M4	20220915	Sunny	Moderate	Mid-Ebb	Bottom	4.2	15:09	8.71	8.17	31.91	30.64	2.70	4	0.283	E	/
C1	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	15:17	8.24	8.19	32.57	30.33	3.94	2.5	0.283	SE	/
C1	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	15:17	8.25	8.18	32.76	30.37	3.80	2.5	0.285	SE	/
C1	20220917	Sunny	Moderate	Mid-Ebb	Middle	10.2	15:16	8.16	8.16	32.81	30.30	4.08	3	0.277	SE	/
C1	20220917	Sunny	Moderate	Mid-Ebb	Middle	10.2	15:16	8.17	8.18	32.64	30.42	4.04	2.5	0.297	SE	/
C1	20220917	Sunny	Moderate	Mid-Ebb	Bottom	19.4	15:15	8.29	8.19	32.89	30.27	4.51	14	0.297	SE	/
C1	20220917	Sunny	Moderate	Mid-Ebb	Bottom	19.4	15:15	8.31	8.15	32.79	30.27	4.28	11	0.272	E	/
C2	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	16:22	8.08	8.33	32.65	30.36	2.92	2.5	0.272	SE	/
C2	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	16:22	8.08	8.38	32.67	30.38	2.87	2.5	0.276	SE	/
C2	20220917	Sunny	Moderate	Mid-Ebb	Middle	12.35	16:21	8.17	8.41	32.58	30.38	3.36	7	0.283	E	/
C2	20220917	Sunny	Moderate	Mid-Ebb	Middle	12.35	16:21	8.19	8.37	32.72	30.33	3.21	7	0.278	E	/
C2	20220917	Sunny	Moderate	Mid-Ebb	Bottom	23.7	16:20	8.31	8.40	32.90	30.46	3.49	2.5	0.269	E	/
C2	20220917	Sunny	Moderate	Mid-Ebb	Bottom	23.7	16:20	8.24	8.33	32.57	30.47	3.65	3	0.267	SE	/
M1	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	15:49	8.55	8.28	33.08	30.54	2.76	3	0.289	E	/
M1	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	15:49	8.56	8.28	32.91	30.64	2.82	2.5	0.287	SE	/
M1	20220917	Sunny	Moderate	Mid-Ebb	Middle	3.35	15:48	8.42	8.34	33.09	30.57	2.99	2.5	0.271	E	/
M1	20220917	Sunny	Moderate	Mid-Ebb	Middle	3.35	15:48	8.53	8.29	33.27	30.61	2.83	2.5	0.283	E	/
M1	20220917	Sunny	Moderate	Mid-Ebb	Bottom	5.7	15:47	8.42	8.30	33.24	30.56	2.73	6	0.265	SE	/
M1	20220917	Sunny	Moderate	Mid-Ebb	Bottom	5.7	15:47	8.44	8.30	32.98	30.58	2.58	5	0.299	E	/
M2	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	15:32	8.91	8.34	34.11	30.17	2.47	4	0.278	SE	/
M2	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	15:32	8.83	8.31	34.31	30.27	2.85	7	0.294	SE	/
M2	20220917	Sunny	Moderate	Mid-Ebb	Middle	5.95	15:31	8.89	8.30	33.97	30.19	2.86	2.5	0.285	SE	/
M2	20220917	Sunny	Moderate	Mid-Ebb	Middle	5.95	15:31	8.95	8.34	34.05	30.27	2.91	2.5	0.295	E	/
M2	20220917	Sunny	Moderate	Mid-Ebb	Bottom	10.9	15:30	8.94	8.31	33.04	30.10	2.61	2.5	0.275	SE	/
M2	20220917	Sunny	Moderate	Mid-Ebb	Bottom	10.9	15:30	8.83	8.33	33.97	30.13	2.86	2.5	0.263	SE	/
M3	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	16:06	8.85	8.30	32.00	30.34	2.99	2.5	0.270	E	/
M3	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	16:06	8.70	8.30	32.27	30.27	2.65	2.5	0.284	E	/
M3	20220917	Sunny	Moderate	Mid-Ebb	Middle	3.7	16:05	8.78	8.28	32.05	30.45	2.98	7	0.264	SE	/
M3	20220917	Sunny	Moderate	Mid-Ebb	Middle	3.7	16:05	8.73	8.25	32.25	30.30	2.70	6	0.266	SE	/
M3	20220917	Sunny	Moderate	Mid-Ebb	Bottom	6.4	16:04	8.70	8.31	32.02	30.35	2.58	6	0.280	SE	/
M3	20220917	Sunny	Moderate	Mid-Ebb	Bottom	6.4	16:04	8.87	8.27	32.18	30.30	2.75	3	0.295	SE	/
M4	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	16:50	8.37	8.29	34.13	30.43	3.01	5	0.288	E	/
M4	20220917	Sunny	Moderate	Mid-Ebb	Surface	1	16:50	8.29	8.20	34.31	30.42	2.87	8	0.280	E	/
M4	20220917	Sunny	Moderate	Mid-Ebb	Bottom	4.7	16:49	8.41	8.26	34.21	30.49	3.20	5	0.292	SE	/
M4	20220917	Sunny	Moderate	Mid-Ebb	Bottom	4.7	16:49	8.43	8.28	34.33	30.37	3.09	3	0.300	SE	/
C1	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	8.33	8.16	29.16	28.42	3.79	2.5	0.290	E	/
C1	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	8.33	8.17	29.24	28.34	3.80	2.5	0.267	SE	/
C1	20220920	Cloudy	Moderate	Mid-Ebb	Middle	10.05	8:01	8.29	8.16	29.14	28.41	3.53	11	0.271	SE	/
C1	20220920	Cloudy	Moderate	Mid-Ebb	Middle	10.05	8:01	8.46	8.20	29.26	28.41	3.64	11	0.284	SE	/
C1	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	19.1	8:00	8.40	8.20	29.11	28.43	3.67	2.5	0.298	SE	/
C1	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	19.1	8:00	8.48	8.15	29.28	28.38	3.34	2.5	0.292	SE	/
C2	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	9:12	8.69	8.17	28.60	28.35	2.19	2.5	0.280	SE	/
C2	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	9:12	8.77	8.16	28.57	28.42	2.38	2.5	0.273	SE	/
C2	20220920	Cloudy	Moderate	Mid-Ebb	Middle	10.7	9:11	8.72	8.17	28.71	28.40	2.75	2.5	0.300	E	/
C2	20220920	Cloudy	Moderate	Mid-Ebb	Middle	10.7	9:11	8.80	8.18	28.48	28.40	2.42	3	0.270	E	/
C2	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	20.4	9:10	8.78	8.20	28.56	28.43	2.87	3	0.285	SE	/
C2	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	20.4	9:10	8.61	8.21	28.69	28.39	2.82	2.5	0.292	SE	/
M1	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:39	8.18	8.30	28.37	28.51	2.53	2.5	0.291	SE	/
M1	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:39	8.23	8.28	28.18	28.50	2.97	2.5	0.281	E	/
M1	20220920	Cloudy	Moderate	Mid-Ebb	Middle	3.25	8:38	8.16	8.31	28.29	28.56	2.65	2.5	0.272	SE	/
M1	20220920	Cloudy	Moderate	Mid-Ebb	Middle	3.25	8:38	8.18	8.27	28.22	28.52	2.98	2.5	0.263	SE	/
M1	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	5.5	8:37	8.19	8.31	28.22	28.54	2.74	2.5	0.263	E	/
M1	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	5.5	8:37	8.14	8.27	28.32	28.51	2.72	2.5	0.281	E	/
M2	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:20	8.85	8.15	28.75	28.44	2.10	2.5	0.265	SE	/
M2	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:20	8.75	8.21	28.77	28.36	1.88	2.5	0.297	E	/
M2	20220920	Cloudy	Moderate	Mid-Ebb	Middle	6.85	8:19	8.88	8.15	28.65	28.40	1.98	2.5	0.277	SE	/
M2	20220920	Cloudy	Moderate	Mid-Ebb	Middle	6.85	8:19	8.89	8.20	28.89	28.42	1.97	2.5	0.279	SE	/
M2	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	12.7	8:18	8.74	8.21	28.68	28.45	2.27	2.5	0.282	SE	/
M2	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	12.7	8:18	8.74	8.15	28.89	28.37	2.11	4	0.270	SE	/
M3	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:54	8.78	8.33	29.58	28.45	2.76	4	0.295	SE	/
M3	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	8:54	8.88	8.31	29.47	28.42	2.78	7	0.277	E	/
M3	20220920	Cloudy	Moderate	Mid-Ebb	Middle	4	8:53	8.87	8.30	29.60	28.43	2.71	2.5	0.263	E	/
M3	20220920	Cloudy	Moderate	Mid-Ebb	Middle	4	8:53	8.88	8.29	29.54	28.45	2.74	2.5	0.291	SE	/
M3	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	7	8:52	8.72	8.28	29.50	28.43	2.62	3	0.293	SE	/
M3	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	7	8:52	8.76	8.31	29.53	28.43	2.72	4	0.274	SE	/
M4	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	9:43	8.88	8.16	28.33	28.27	2.86	5	0.299	E	/
M4	20220920	Cloudy	Moderate	Mid-Ebb	Surface	1	9:43	9.01	8.18	28.27	28.29	2.80	3	0.293	SE	/
M4	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	9:42	8.83	8.18	28.24	28.18	2.98	2.5	0.275	SE	/
M4	20220920	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	9:42	8.97	8.16	28.25	28.26	2.58	2.5	0.300	E	/
C1	20220922	Sunny	Moderate	Mid-Ebb	Surface	1	8:17	8.22	8.35	32.50	28.05	3.40	2.5	0.269	E	/
C1	20220922	Sunny	Moderate	Mid-Ebb	Surface	1	8:17	8.28	8.35	32.45	28.05	3.56	3	0.269	SE	/
C1	20220922	Sunny	Moderate	Mid-Ebb	Middle	10.2	8:16	8.18	8.30	32.49	28.05	3.81	3	0.293	SE	/
C1	20220922	Sunny	Moderate	Mid-Ebb	Middle	10.2	8:16	8.28	8.37	32.51	28.03	3.66	2.5	0.275	SE	/
C1	20220922	Sunny	Moderate	Mid-Ebb	Bottom	19.4	8:15	8.17	8.32	32.51	28.10	3.97	3	0.295	E	/
C1	20220922	Sunny	Moderate	Mid-Ebb	Bottom	19.4	8:15	8.28	8.30	32.54	28.05	3.71	2.5	0.280	E	/
C2	20220922	Sunny	Moderate	Mid-Ebb	Surface	1	9:34	8.36	8.33	32.76	28.05	3.03	3	0.299	SE	/
C2	20220922	Sunny	Moderate	Mid-Ebb	Surface	1	9:34	8.39	8.37	32.59	28.14	2.95	2.5	0.284	SE	/
C2	20220922	Sunny	Moderate	Mid-Ebb	Middle	10.7	9:33	8.31	8.33	32.66	28.09	3.11	5	0.277	E	/
C2	20220922	Sunny	Moderate	Mid-Ebb	Middle	10.7	9:33	8.33	8.31	32.64	28.13	3.11	4	0.280	E	/
C2	20220922	Sunny	Moderate	Mid-Ebb	Bottom	20.4	9:32	8.40	8.32	32.55	28.08	3.26	3	0.289	SE	/
C2	20220922	Sunny	Moderate	Mid-Ebb	Bottom	20.4	9:32	8.38	8.35	32.75	28.04	3.50	2.5	0.289	SE	/
M1	20220922	Sunny	Moderate	Mid-Ebb	Surface	1	8:53	8.46	8.36	33.54	28.25	2.41	2.5	0.269	E	/
M1	20220922															

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
C2	20220924	Sunny	Moderate	Mid-Ebb	Bottom	24.4	10:54	8.28	8.17	33.29	28.03	3.38	2.5	0.295	SE	/
M1	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	10:20	8.01	8.2	33.77	28.02	2.17	2.5	0.3	SE	/
M1	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	10:20	8	8.21	33.55	27.86	2.28	2.5	0.293	SE	/
M1	20220924	Sunny	Moderate	Mid-Ebb	Middle	3.25	10:19	8.08	8.22	33.59	27.90	2.11	2.5	0.29	SE	/
M1	20220924	Sunny	Moderate	Mid-Ebb	Middle	3.25	10:19	8.13	8.23	33.65	27.93	2.12	2.5	0.282	SE	/
M1	20220924	Sunny	Moderate	Mid-Ebb	Bottom	5.5	10:18	8.11	8.23	33.56	27.90	2.31	2.5	0.277	E	/
M1	20220924	Sunny	Moderate	Mid-Ebb	Bottom	5.5	10:18	8.19	8.22	33.72	27.91	2.05	2.5	0.297	E	/
M2	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	10:38	8.28	8.16	33.54	27.97	3.86	2.5	0.281	SE	/
M2	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	10:38	8.13	8.15	33.75	28.09	3.64	2.5	0.268	E	/
M2	20220924	Sunny	Moderate	Mid-Ebb	Middle	6.65	10:37	8.28	8.15	33.53	28.11	3.71	2.5	0.296	E	/
M2	20220924	Sunny	Moderate	Mid-Ebb	Middle	6.65	10:37	8.27	8.18	33.66	27.96	3.65	2.5	0.265	E	/
M2	20220924	Sunny	Moderate	Mid-Ebb	Bottom	12.3	10:36	8.25	8.16	33.74	28.07	3.41	2.5	0.264	E	/
M2	20220924	Sunny	Moderate	Mid-Ebb	Bottom	12.3	10:36	8.13	8.16	33.52	28.02	3.68	2.5	0.273	E	/
M3	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	10:02	8.99	8.15	33.34	28.17	2.33	3	0.275	SE	/
M3	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	10:02	8.91	8.14	33.40	28.09	2.18	5	0.297	SE	/
M3	20220924	Sunny	Moderate	Mid-Ebb	Middle	3.9	10:01	8.95	8.19	33.54	27.98	2.03	2.5	0.266	SE	/
M3	20220924	Sunny	Moderate	Mid-Ebb	Middle	3.9	10:01	9.01	8.12	33.35	28.15	2.34	2.5	0.266	SE	/
M3	20220924	Sunny	Moderate	Mid-Ebb	Bottom	6.8	10:00	8.89	8.17	33.30	28.14	2.14	6	0.278	SE	/
M3	20220924	Sunny	Moderate	Mid-Ebb	Bottom	6.8	10:00	8.98	8.17	33.40	28.01	2.18	8	0.293	E	/
M4	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	11:20	8.06	8.17	33.52	28.16	2.6	2.5	0.278	SE	/
M4	20220924	Sunny	Moderate	Mid-Ebb	Surface	1	11:20	8.03	8.24	33.56	28.22	2.33	2.5	0.299	E	/
M4	20220924	Sunny	Moderate	Mid-Ebb	Bottom	4.2	11:19	8.07	8.22	33.71	28.12	2.15	3	0.294	SE	/
M4	20220924	Sunny	Moderate	Mid-Ebb	Bottom	4.2	11:19	8.05	8.17	33.54	28.17	2.15	2.5	0.298	E	/
C1	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	11:29	8.07	8.25	32.46	27.93	3.9	2.5	0.272	SE	/
C1	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	11:29	8.08	8.23	32.42	27.98	4.14	2.5	0.265	E	/
C1	20220927	Cloudy	Moderate	Mid-Ebb	Middle	10.05	11:28	8.09	8.25	32.33	27.90	4.13	3	0.3	SE	/
C1	20220927	Cloudy	Moderate	Mid-Ebb	Middle	10.05	11:28	8.11	8.28	32.39	27.91	4.25	2.5	0.285	SE	/
C1	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	19.1	11:27	8.02	8.25	32.42	27.90	4.49	2.5	0.297	SE	/
C1	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	19.1	11:27	8.11	8.26	32.39	27.88	4.27	2.5	0.276	SE	/
C2	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	12:38	8.65	8.15	32.07	27.99	3.51	2.5	0.265	E	/
C2	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	12:38	8.58	8.12	32.07	28.00	3.68	2.5	0.266	E	/
C2	20220927	Cloudy	Moderate	Mid-Ebb	Middle	12.15	12:37	8.66	8.13	32.05	28.00	3.66	2.5	0.272	SE	/
C2	20220927	Cloudy	Moderate	Mid-Ebb	Middle	12.15	12:37	8.67	8.14	32.13	28.00	3.76	2.5	0.298	SE	/
C2	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	23.3	12:36	8.6	8.15	32.07	27.99	3.8	2.5	0.28	SE	/
C2	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	23.3	12:36	8.67	8.15	31.97	27.98	3.89	2.5	0.264	SE	/
M1	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	12:01	8.06	8.11	31.91	27.89	3.69	2.5	0.268	SE	/
M1	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	12:01	8.07	8.15	31.75	27.89	3.84	3	0.285	SE	/
M1	20220927	Cloudy	Moderate	Mid-Ebb	Middle	3.65	12:00	8.14	8.11	31.87	27.96	3.65	5	0.294	E	/
M1	20220927	Cloudy	Moderate	Mid-Ebb	Middle	3.65	12:00	8.16	8.14	31.85	27.98	3.88	6	0.291	E	/
M1	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	11:59	8.09	8.12	31.67	27.97	3.67	6	0.296	SE	/
M1	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	11:59	8.09	8.15	31.79	27.95	3.59	6	0.29	E	/
M2	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	11:45	8.81	8.27	32.16	27.80	4.25	5	0.28	E	/
M2	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	11:45	8.85	8.24	32.26	27.86	4.3	6	0.299	E	/
M2	20220927	Cloudy	Moderate	Mid-Ebb	Middle	6.25	11:44	8.84	8.25	32.16	27.83	4.22	6	0.276	E	/
M2	20220927	Cloudy	Moderate	Mid-Ebb	Middle	6.25	11:44	8.93	8.23	32.20	27.77	4.29	6	0.288	E	/
M2	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	11.5	11:43	8.91	8.24	32.15	27.80	4.16	6	0.293	E	/
M2	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	11.5	11:43	8.79	8.25	32.22	27.79	4.11	6	0.264	E	/
M3	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	12:20	8.25	8.27	31.93	27.76	3.02	6	0.299	E	/
M3	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	12:20	8.19	8.26	31.80	27.84	3.09	6	0.27	SE	/
M3	20220927	Cloudy	Moderate	Mid-Ebb	Middle	3.2	12:19	8.15	8.27	31.84	27.83	2.79	9	0.27	E	/
M3	20220927	Cloudy	Moderate	Mid-Ebb	Middle	3.2	12:19	8.29	8.25	31.89	27.86	2.78	9	0.283	E	/
M3	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	12:18	8.16	8.25	31.91	27.77	2.72	9	0.287	SE	/
M3	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	12:18	8.15	8.26	31.78	27.84	2.85	5	0.3	E	/
M4	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	13:00	8.14	8.1	32.09	27.88	3.2	7	0.268	SE	/
M4	20220927	Cloudy	Moderate	Mid-Ebb	Surface	1	13:00	8.2	8.1	32.09	27.86	3.59	8	0.287	E	/
M4	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	4.7	12:59	8.16	8.15	32.09	27.92	3.17	8	0.28	E	/
M4	20220927	Cloudy	Moderate	Mid-Ebb	Bottom	4.7	12:59	8.02	8.14	32.19	27.95	3.23	6	0.267	SE	/
C1	20220929	Cloudy	Moderate	Mid-Ebb	Surface	1	12:47	8.19	8.24	31.34	28.32	3.11	7	0.277	SE	/
C1	20220929	Cloudy	Moderate	Mid-Ebb	Surface	1	12:47	8.26	8.29	31.42	28.30	3.09	6	0.282	E	/
C1	20220929	Cloudy	Moderate	Mid-Ebb	Middle	9.95	12:46	8.2	8.23	31.10	28.35	3.43	3	0.274	SE	/
C1	20220929	Cloudy	Moderate	Mid-Ebb	Middle	9.95	12:46	8.24	8.23	31.39	28.30	3.24	6	0.292	SE	/
C1	20220929	Cloudy	Moderate	Mid-Ebb	Bottom	18.9	12:45	8.27	8.28	31.20	28.32	3.54	6	0.263	SE	/
C1	20220929	Cloudy	Moderate	Mid-Ebb	Bottom	18.9	12:45	8.17	8.24	31.26	28.38	3.43	6	0.29	SE	/
C2	20220929	Cloudy	Moderate	Mid-Ebb	Surface	1	13:54	8.09	8.24	31.50	28.25	2.97	6	0.283	SE	/
C2	20220929	Cloudy	Moderate	Mid-Ebb	Surface	1	13:54	8.11	8.18	31.68	28.36	2.85	6	0.288	SE	/
C2	20220929	Cloudy	Moderate	Mid-Ebb	Middle	10.9	13:53	8	8.23	31.67	28.27	3.06	6	0.27	E	/
C2	20220929	Cloudy	Moderate	Mid-Ebb	Middle	10.9	13:53	7.98	8.21	31.61	28.37	2.89	7	0.293	E	/
C2	20220929	Cloudy	Moderate	Mid-Ebb	Bottom	20.8	13:52	8.08	8.24	31.38	28.25	3.16	7	0.291	SE	/
C2	20220929	Cloudy	Moderate	Mid-Ebb	Bottom	20.8	13:52	8	8.22	31.64	28.31	3.11	6	0.264	E	/
M1	20220929	Cloudy	Moderate	Mid-Ebb	Surface	1	13:20	8.42	8.17	32.28	28.43	2.58	9	0.277	SE	/
M1	20220929	Cloudy	Moderate	Mid-Ebb	Surface	1	13:20	8.43	8.24	32.17	28.45	2.72	6	0.282	SE	/
M1	20220929	Cloudy	Moderate	Mid-Ebb	Middle	3.7	13:19	8.45	8.21	32.34	28.50	2.81	8	0.269	E	/
M1	20220929	Cloudy	Moderate	Mid-Ebb	Middle	3.7	13:19	8.45	8.18	32.33	28.51	2.74	6	0.285	SE	/
M1	20220929	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	13:18	8.38	8.17	32.26	28.49	3.05	5	0.29	E	/
M1	20220929	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	13:18	8.45	8.24	32.40	28.38	2.91	6	0.276	E	/
M2	20220929</															

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (?)	Turbidity (NTU)	SS
C1	20220901	Sunny	Moderate	Mid-Flood	Surface	1	9:18	8.71	8.06	29.90	29.41	3.46	4
C1	20220901	Sunny	Moderate	Mid-Flood	Surface	1	9:18	8.69	8.12	29.97	29.39	3.91	3
C1	20220901	Sunny	Moderate	Mid-Flood	Middle	10.85	9:17	8.70	8.08	30.03	29.38	3.65	4
C1	20220901	Sunny	Moderate	Mid-Flood	Middle	10.85	9:17	8.76	8.14	30.08	29.37	3.86	2.5
C1	20220901	Sunny	Moderate	Mid-Flood	Bottom	20.7	9:16	8.75	8.16	29.97	29.41	3.74	2.5
C1	20220901	Sunny	Moderate	Mid-Flood	Bottom	20.7	9:16	8.81	8.05	29.87	29.42	3.78	2.5
C2	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:02	8.60	7.97	29.41	29.27	3.95	5
C2	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:02	8.85	8.01	29.46	29.35	3.90	3
C2	20220901	Sunny	Moderate	Mid-Flood	Middle	12.2	8:01	8.85	8.06	29.22	29.26	4.36	4
C2	20220901	Sunny	Moderate	Mid-Flood	Middle	12.2	8:01	8.57	7.96	29.54	29.38	4.14	2.5
C2	20220901	Sunny	Moderate	Mid-Flood	Bottom	23.4	8:00	8.66	8.04	29.46	29.34	4.85	4
C2	20220901	Sunny	Moderate	Mid-Flood	Bottom	23.4	8:00	8.78	7.98	29.26	29.37	4.62	2.5
M1	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:39	8.83	8.06	30.28	29.45	3.93	3
M1	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:39	8.79	7.99	30.65	29.48	3.48	2.5
M1	20220901	Sunny	Moderate	Mid-Flood	Middle	3.35	8:38	8.79	8.09	30.65	29.58	3.72	6
M1	20220901	Sunny	Moderate	Mid-Flood	Middle	3.35	8:38	8.78	8.05	30.56	29.48	3.83	5
M1	20220901	Sunny	Moderate	Mid-Flood	Bottom	5.7	8:37	8.77	8.09	30.62	29.55	3.83	2.5
M1	20220901	Sunny	Moderate	Mid-Flood	Bottom	5.7	8:37	8.78	8.05	30.37	29.53	3.91	2.5
M2	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:56	8.29	8.08	29.60	29.39	3.82	2.5
M2	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:56	8.28	7.98	29.52	29.44	3.66	3
M2	20220901	Sunny	Moderate	Mid-Flood	Middle	5.9	8:55	8.25	7.98	29.52	29.40	3.54	7
M2	20220901	Sunny	Moderate	Mid-Flood	Middle	5.9	8:55	8.29	8.05	29.58	29.44	3.82	6
M2	20220901	Sunny	Moderate	Mid-Flood	Bottom	10.8	8:54	8.34	7.99	29.58	29.39	3.78	4
M2	20220901	Sunny	Moderate	Mid-Flood	Bottom	10.8	8:54	8.25	8.07	29.58	29.37	3.33	6
M3	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:20	8.57	8.17	30.14	29.35	3.09	9
M3	20220901	Sunny	Moderate	Mid-Flood	Surface	1	8:20	8.52	8.16	30.12	29.23	3.43	5
M3	20220901	Sunny	Moderate	Mid-Flood	Middle	3.35	8:19	8.36	8.17	30.00	29.33	3.08	3
M3	20220901	Sunny	Moderate	Mid-Flood	Middle	3.35	8:19	8.47	8.18	30.24	29.34	2.98	5
M3	20220901	Sunny	Moderate	Mid-Flood	Bottom	5.7	8:18	8.59	8.17	29.89	29.27	3.32	5
M3	20220901	Sunny	Moderate	Mid-Flood	Bottom	5.7	8:18	8.54	8.13	29.99	29.30	3.17	3
M4	20220901	Sunny	Moderate	Mid-Flood	Surface	1	9:40	8.83	8.16	29.55	29.49	2.78	5
M4	20220901	Sunny	Moderate	Mid-Flood	Surface	1	9:40	8.73	8.07	29.33	29.50	3.07	5
M4	20220901	Sunny	Moderate	Mid-Flood	Bottom	3.5	9:39	8.81	8.18	29.36	29.48	2.73	2.5
M4	20220901	Sunny	Moderate	Mid-Flood	Bottom	3.5	9:39	8.85	8.07	29.31	29.48	3.10	3
C1	20220903	Sunny	Moderate	Mid-Flood	Surface	1	16:45	8.40	7.94	31.35	28.60	2.92	6
C1	20220903	Sunny	Moderate	Mid-Flood	Surface	1	16:45	8.48	8.05	31.55	28.63	2.95	5
C1	20220903	Sunny	Moderate	Mid-Flood	Middle	9.6	16:44	8.35	7.93	31.55	28.70	3.09	2.5
C1	20220903	Sunny	Moderate	Mid-Flood	Middle	9.6	16:44	8.43	7.98	31.55	28.57	2.96	3
C1	20220903	Sunny	Moderate	Mid-Flood	Bottom	18.2	16:43	8.31	8.04	31.35	28.72	3.40	6
C1	20220903	Sunny	Moderate	Mid-Flood	Bottom	18.2	16:43	8.51	8.01	31.42	28.70	3.29	4
C2	20220903	Sunny	Moderate	Mid-Flood	Surface	1	15:31	8.79	8.09	31.15	28.52	3.57	7
C2	20220903	Sunny	Moderate	Mid-Flood	Surface	1	15:31	8.62	8.10	30.95	28.55	3.53	9
C2	20220903	Sunny	Moderate	Mid-Flood	Middle	11.55	15:30	8.56	8.03	31.07	28.51	4.03	7
C2	20220903	Sunny	Moderate	Mid-Flood	Middle	11.55	15:30	8.70	8.04	31.04	28.52	3.82	7
C2	20220903	Sunny	Moderate	Mid-Flood	Bottom	22.1	15:29	8.76	8.12	31.13	28.58	3.91	8
C2	20220903	Sunny	Moderate	Mid-Flood	Bottom	22.1	15:29	8.69	8.01	30.95	28.62	4.17	9
M1	20220903	Sunny	Moderate	Mid-Flood	Surface	1	16:06	8.67	8.06	31.14	28.62	2.16	6
M1	20220903	Sunny	Moderate	Mid-Flood	Surface	1	16:06	8.60	8.06	31.29	28.54	2.01	5
M1	20220903	Sunny	Moderate	Mid-Flood	Middle	3.25	16:05	8.70	8.04	31.24	28.58	2.39	7
M1	20220903	Sunny	Moderate	Mid-Flood	Middle	3.25	16:05	8.77	7.99	31.26	28.50	2.00	7
M1	20220903	Sunny	Moderate	Mid-Flood	Bottom	5.5	16:04	8.65	7.98	31.16	28.57	2.13	6
M1	20220903	Sunny	Moderate	Mid-Flood	Bottom	5.5	16:04	8.61	7.99	31.24	28.52	2.24	9
M2	20220903	Sunny	Moderate	Mid-Flood	Surface	1	16:26	8.70	8.13	30.70	28.57	3.20	9
M2	20220903	Sunny	Moderate	Mid-Flood	Surface	1	16:26	8.74	8.17	30.69	28.56	3.22	6
M2	20220903	Sunny	Moderate	Mid-Flood	Middle	6.8	16:25	8.63	8.16	30.88	28.68	3.38	6
M2	20220903	Sunny	Moderate	Mid-Flood	Middle	6.8	16:25	8.55	8.17	30.73	28.65	3.17	7
M2	20220903	Sunny	Moderate	Mid-Flood	Bottom	12.6	16:24	8.75	8.17	30.91	28.68	3.47	8
M2	20220903	Sunny	Moderate	Mid-Flood	Bottom	12.6	16:24	8.62	8.14	30.69	28.61	3.19	7
M3	20220903	Sunny	Moderate	Mid-Flood	Surface	1	15:49	8.16	7.92	30.34	28.62	2.71	8
M3	20220903	Sunny	Moderate	Mid-Flood	Surface	1	15:49	8.12	8.03	30.39	28.56	2.33	5
M3	20220903	Sunny	Moderate	Mid-Flood	Middle	3.35	15:48	8.18	7.96	30.33	28.55	2.43	7
M3	20220903	Sunny	Moderate	Mid-Flood	Middle	3.35	15:48	8.21	7.92	30.36	28.50	2.74	5
M3	20220903	Sunny	Moderate	Mid-Flood	Bottom	5.7	15:47	8.09	7.91	30.31	28.52	2.67	7
M3	20220903	Sunny	Moderate	Mid-Flood	Bottom	5.7	15:47	8.15	7.96	30.12	28.63	2.72	7
M4	20220903	Sunny	Moderate	Mid-Flood	Surface	1	17:01	8.77	8.12	31.11	28.80	3.00	6
M4	20220903	Sunny	Moderate	Mid-Flood	Surface	1	17:01	8.85	8.01	31.05	28.81	3.09	6
M4	20220903	Sunny	Moderate	Mid-Flood	Bottom	4.5	17:00	8.68	8.00	30.97	28.79	3.35	7
M4	20220903	Sunny	Moderate	Mid-Flood	Bottom	4.5	17:00	8.77	8.04	31.00	28.76	2.98	5
C1	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:53	8.33	8.05	32.71	29.85	2.73	10
C1	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:53	8.27	8.07	32.84	29.71	2.78	7
C1	20220906	Cloudy	Moderate	Mid-Flood	Middle	11.75	15:52	8.34	8.06	32.67	29.78	3.13	7
C1	20220906	Cloudy	Moderate	Mid-Flood	Middle	11.75	15:52	8.36	8.08	32.69	29.79	3.05	6
C1	20220906	Cloudy	Moderate	Mid-Flood	Bottom	22.5	15:51	8.36	8.07	32.80	29.80	3.07	6
C1	20220906	Cloudy	Moderate	Mid-Flood	Bottom	22.5	15:51	8.24	8.06	32.67	29.70	2.99	3
C2	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	14:49	9.17	8.17	32.62	29.80	3.65	10
C2	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	14:49	9.09	8.19	32.63	29.83	3.45	8
C2	20220906	Cloudy	Moderate	Mid-Flood	Middle	10.9	14:48	9.27	8.21	32.66	29.88	3.93	8
C2	20220906	Cloudy	Moderate	Mid-Flood	Middle	10.9	14:48	9.18	8.22	32.68	29.93	3.80	8
C2	20220906	Cloudy	Moderate	Mid-Flood	Bottom	20.8	14:47	9.21	8.22	32.67	29.84	3.81	6
C2	20220906	Cloudy	Moderate	Mid-Flood	Bottom	20.8	14:47	9.04	8.17	32.72	29.84	3.91	8
M1	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:22	9.01	8.01	33.01	29.73	2.81	7
M1	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:22	9.11	8.05	32.90	29.60	2.58	9
M1	20220906	Cloudy	Moderate	Mid-Flood	Middle	3.25	15:21	9.04	8.03	32.95	29.67	2.63	7

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS
M1	20220906	Cloudy	Moderate	Mid-Flood	Middle	3.25	15:21	8.98	8.05	32.99	29.65	2.56	6
M1	20220906	Cloudy	Moderate	Mid-Flood	Bottom	5.5	15:20	8.92	8.06	32.99	29.75	2.85	9
M1	20220906	Cloudy	Moderate	Mid-Flood	Bottom	5.5	15:20	9.09	8.04	32.92	29.72	2.52	7
M2	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:38	8.50	8.15	31.56	29.87	2.17	7
M2	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:38	8.48	8.18	31.49	29.77	2.26	6
M2	20220906	Cloudy	Moderate	Mid-Flood	Middle	6	15:37	8.49	8.20	31.61	29.78	2.52	5
M2	20220906	Cloudy	Moderate	Mid-Flood	Middle	6	15:37	8.57	8.17	31.64	29.75	2.40	6
M2	20220906	Cloudy	Moderate	Mid-Flood	Bottom	11	15:36	8.53	8.23	31.50	29.76	2.45	9
M2	20220906	Cloudy	Moderate	Mid-Flood	Bottom	11	15:36	8.45	8.21	31.52	29.87	2.63	7
M3	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:04	8.64	8.18	32.39	29.73	2.37	7
M3	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	15:04	8.67	8.18	32.38	29.73	2.01	6
M3	20220906	Cloudy	Moderate	Mid-Flood	Middle	3.8	15:03	8.64	8.19	32.39	29.74	2.34	7
M3	20220906	Cloudy	Moderate	Mid-Flood	Middle	3.8	15:03	8.73	8.20	32.52	29.66	2.36	6
M3	20220906	Cloudy	Moderate	Mid-Flood	Bottom	6.6	15:02	8.71	8.18	32.43	29.79	2.94	4
M3	20220906	Cloudy	Moderate	Mid-Flood	Bottom	6.6	15:02	8.74	8.19	32.35	29.78	2.18	7
M4	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	16:13	8.28	8.21	32.65	29.63	2.05	6
M4	20220906	Cloudy	Moderate	Mid-Flood	Surface	1	16:13	8.39	8.20	32.54	29.73	2.30	8
M4	20220906	Cloudy	Moderate	Mid-Flood	Bottom	4.3	16:12	8.34	8.23	32.57	29.67	2.36	3
M4	20220906	Cloudy	Moderate	Mid-Flood	Bottom	4.3	16:12	8.29	8.23	32.66	29.66	2.05	2.5
C1	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	17:23	8.63	8.24	28.67	28.89	3.05	2.5
C1	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	17:23	8.79	8.25	28.71	28.81	2.83	3
C1	20220908	Cloudy	Moderate	Mid-Flood	Middle	11.55	17:22	8.61	8.24	28.81	28.76	3.27	2.5
C1	20220908	Cloudy	Moderate	Mid-Flood	Middle	11.55	17:22	8.74	8.32	28.79	28.82	3.17	2.5
C1	20220908	Cloudy	Moderate	Mid-Flood	Bottom	22.1	17:21	8.74	8.24	28.73	28.96	3.03	4
C1	20220908	Cloudy	Moderate	Mid-Flood	Bottom	22.1	17:21	8.77	8.26	28.81	28.84	3.17	2.5
C2	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	16:13	8.74	8.12	28.67	28.59	3.35	12
C2	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	16:13	8.72	8.14	28.76	28.73	3.22	11
C2	20220908	Cloudy	Moderate	Mid-Flood	Middle	11.05	16:12	8.81	8.17	28.74	28.67	3.67	12
C2	20220908	Cloudy	Moderate	Mid-Flood	Middle	11.05	16:12	8.81	8.13	28.65	28.75	3.48	12
C2	20220908	Cloudy	Moderate	Mid-Flood	Bottom	21.1	16:11	8.77	8.16	28.67	28.68	3.70	12
C2	20220908	Cloudy	Moderate	Mid-Flood	Bottom	21.1	16:11	8.87	8.19	28.86	28.56	3.43	12
M1	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	16:47	8.10	8.15	28.63	28.76	3.15	6
M1	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	16:47	8.21	8.12	28.68	28.68	3.14	5
M1	20220908	Cloudy	Moderate	Mid-Flood	Middle	3.4	16:46	8.10	8.21	28.77	28.68	2.89	2.5
M1	20220908	Cloudy	Moderate	Mid-Flood	Middle	3.4	16:46	8.15	8.15	28.68	28.78	3.24	2.5
M1	20220908	Cloudy	Moderate	Mid-Flood	Bottom	5.8	16:45	8.18	8.16	28.54	28.71	3.16	2.5
M1	20220908	Cloudy	Moderate	Mid-Flood	Bottom	5.8	16:45	8.14	8.15	28.67	28.83	3.21	4
M2	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	17:04	8.09	8.16	28.59	28.93	3.18	5
M2	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	17:04	8.13	8.15	28.74	28.77	3.20	6
M2	20220908	Cloudy	Moderate	Mid-Flood	Middle	6.7	17:03	8.16	8.13	28.61	28.76	3.19	7
M2	20220908	Cloudy	Moderate	Mid-Flood	Middle	6.7	17:03	8.05	8.15	28.73	28.85	3.26	6
M2	20220908	Cloudy	Moderate	Mid-Flood	Bottom	12.4	17:02	8.06	8.20	28.64	28.95	3.20	9
M2	20220908	Cloudy	Moderate	Mid-Flood	Bottom	12.4	17:02	8.23	8.16	28.63	28.88	3.12	9
M3	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	16:31	8.75	8.15	28.77	28.56	2.69	11
M3	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	16:31	8.77	8.17	28.72	28.77	2.45	12
M3	20220908	Cloudy	Moderate	Mid-Flood	Middle	4.05	16:30	8.73	8.12	28.72	28.71	2.53	9
M3	20220908	Cloudy	Moderate	Mid-Flood	Middle	4.05	16:30	8.71	8.16	28.76	28.72	2.77	11
M3	20220908	Cloudy	Moderate	Mid-Flood	Bottom	7.1	16:29	8.74	8.15	28.71	28.57	2.59	3
M3	20220908	Cloudy	Moderate	Mid-Flood	Bottom	7.1	16:29	8.86	8.19	28.66	28.70	2.45	4
M4	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	17:40	8.51	8.20	28.23	28.83	2.85	4
M4	20220908	Cloudy	Moderate	Mid-Flood	Surface	1	17:40	8.38	8.13	28.20	28.95	2.88	7
M4	20220908	Cloudy	Moderate	Mid-Flood	Bottom	4.5	17:39	8.37	8.16	28.37	28.78	2.60	6
M4	20220908	Cloudy	Moderate	Mid-Flood	Bottom	4.5	17:39	8.39	8.13	28.20	28.73	2.98	3
C1	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:48	8.47	8.20	30.78	29.98	2.83	3
C1	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:48	8.47	8.20	30.79	29.96	2.78	2.5
C1	20220910	Sunny	Moderate	Mid-Flood	Middle	10.15	16:47	8.43	8.18	30.76	29.92	3.04	7
C1	20220910	Sunny	Moderate	Mid-Flood	Middle	10.15	16:47	8.50	8.24	30.77	29.99	2.94	7
C1	20220910	Sunny	Moderate	Mid-Flood	Bottom	19.3	16:46	8.50	8.18	30.84	29.94	3.37	7
C1	20220910	Sunny	Moderate	Mid-Flood	Bottom	19.3	16:46	8.33	8.20	30.80	30.01	3.38	7
C2	20220910	Sunny	Moderate	Mid-Flood	Surface	1	15:52	8.19	8.16	30.54	30.11	3.27	9
C2	20220910	Sunny	Moderate	Mid-Flood	Surface	1	15:52	8.28	8.18	30.59	30.19	3.16	12
C2	20220910	Sunny	Moderate	Mid-Flood	Middle	10.7	15:51	8.27	8.18	30.63	30.11	3.46	11
C2	20220910	Sunny	Moderate	Mid-Flood	Middle	10.7	15:51	8.23	8.22	30.62	30.15	3.38	10
C2	20220910	Sunny	Moderate	Mid-Flood	Bottom	20.4	15:50	8.25	8.15	30.63	30.18	3.68	10
C2	20220910	Sunny	Moderate	Mid-Flood	Bottom	20.4	15:50	8.20	8.23	30.52	30.14	3.50	9
M1	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:17	8.88	8.08	29.85	29.88	2.71	2.5
M1	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:17	8.83	8.13	29.83	29.85	2.59	4
M1	20220910	Sunny	Moderate	Mid-Flood	Middle	3.65	16:16	8.82	8.17	29.84	29.86	2.75	7
M1	20220910	Sunny	Moderate	Mid-Flood	Middle	3.65	16:16	8.79	8.13	29.82	29.79	2.74	8
M1	20220910	Sunny	Moderate	Mid-Flood	Bottom	6.3	16:15	8.86	8.16	29.86	29.87	2.80	8
M1	20220910	Sunny	Moderate	Mid-Flood	Bottom	6.3	16:15	8.83	8.12	29.93	29.87	2.55	8
M2	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:31	8.56	8.18	30.21	29.98	2.96	8
M2	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:31	8.48	8.23	30.23	29.92	2.92	9
M2	20220910	Sunny	Moderate	Mid-Flood	Middle	6	16:30	8.53	8.22	30.19	29.94	2.94	9
M2	20220910	Sunny	Moderate	Mid-Flood	Middle	6	16:30	8.53	8.26	30.20	29.93	2.64	9
M2	20220910	Sunny	Moderate	Mid-Flood	Bottom	11	16:29	8.40	8.20	30.17	29.97	3.01	8
M2	20220910	Sunny	Moderate	Mid-Flood	Bottom	11	16:29	8.57	8.22	30.14	29.94	2.93	7
M3	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:05	8.39	8.21	29.65	30.19	2.68	6
M3	20220910	Sunny	Moderate	Mid-Flood	Surface	1	16:05	8.42	8.24	29.66	30.11	2.68	4
M3	20220910	Sunny	Moderate	Mid-Flood	Middle	3.65	16:04	8.40	8.27	29.76	30.12	2.31	6
M3	20220910	Sunny	Moderate	Mid-Flood	Middle	3.65	16:04	8.33	8.27	29.71	30.09	2.48	4
M3	20220910	Sunny	Moderate	Mid-Flood	Bottom	6.3	16:03	8.36	8.20	29.77	30.16	2.22	6
M3	20220910	Sunny	Moderate	Mid-Flood	Bottom	6.3	16:03	8.28	8.26	29.70	30.17	2.46	7

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS
M4	20220910	Sunny	Moderate	Mid-Flood	Surface	1	17:03	8.58	8.21	29.95	30.18	2.13	9
M4	20220910	Sunny	Moderate	Mid-Flood	Surface	1	17:03	8.63	8.17	29.90	30.10	1.97	7
M4	20220910	Sunny	Moderate	Mid-Flood	Bottom	3.6	17:02	8.52	8.19	29.95	30.11	2.00	10
M4	20220910	Sunny	Moderate	Mid-Flood	Bottom	3.6	17:02	8.53	8.21	29.93	30.16	2.16	9
C1	20220913	Sunny	Moderate	Mid-Flood	Surface	1	9:09	8.05	8.09	29.01	30.08	2.92	9
C1	20220913	Sunny	Moderate	Mid-Flood	Surface	1	9:09	8.10	8.08	29.06	30.15	3.02	6
C1	20220913	Sunny	Moderate	Mid-Flood	Middle	11.2	9:08	8.17	8.10	28.95	30.15	3.19	6
C1	20220913	Sunny	Moderate	Mid-Flood	Middle	11.2	9:08	8.14	8.02	28.83	30.16	3.29	6
C1	20220913	Sunny	Moderate	Mid-Flood	Bottom	21.4	9:07	8.09	8.01	28.91	30.18	3.32	7
C1	20220913	Sunny	Moderate	Mid-Flood	Bottom	21.4	9:07	8.09	8.03	28.88	30.19	3.27	7
C2	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:02	8.61	8.09	28.67	29.99	3.20	9
C2	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:02	8.49	8.11	28.71	29.93	3.17	9
C2	20220913	Sunny	Moderate	Mid-Flood	Middle	11.45	8:01	8.59	8.17	28.54	29.97	3.56	11
C2	20220913	Sunny	Moderate	Mid-Flood	Middle	11.45	8:01	8.56	8.13	28.55	29.99	3.46	11
C2	20220913	Sunny	Moderate	Mid-Flood	Bottom	21.9	8:00	8.64	8.11	28.65	29.89	3.80	13
C2	20220913	Sunny	Moderate	Mid-Flood	Bottom	21.9	8:00	8.54	8.11	28.70	29.98	3.46	11
M1	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:35	8.63	8.22	29.26	30.13	2.40	7
M1	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:35	8.65	8.19	29.42	30.19	2.10	8
M1	20220913	Sunny	Moderate	Mid-Flood	Middle	3.45	8:34	8.49	8.25	29.30	30.13	2.09	8
M1	20220913	Sunny	Moderate	Mid-Flood	Middle	3.45	8:34	8.52	8.20	29.30	30.14	2.21	7
M1	20220913	Sunny	Moderate	Mid-Flood	Bottom	5.9	8:33	8.58	8.19	29.25	30.09	2.36	8
M1	20220913	Sunny	Moderate	Mid-Flood	Bottom	5.9	8:33	8.48	8.20	29.41	30.09	2.04	10
M2	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:52	8.47	8.08	28.50	30.20	2.98	7
M2	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:52	8.48	8.08	28.47	30.20	3.33	5
M2	20220913	Sunny	Moderate	Mid-Flood	Middle	7	8:51	8.42	8.05	28.57	30.22	2.99	9
M2	20220913	Sunny	Moderate	Mid-Flood	Middle	7	8:51	8.36	8.11	28.47	30.23	3.29	9
M2	20220913	Sunny	Moderate	Mid-Flood	Bottom	13	8:50	8.50	8.04	28.57	30.20	3.28	9
M2	20220913	Sunny	Moderate	Mid-Flood	Bottom	13	8:50	8.44	8.05	28.62	30.25	3.19	9
M3	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:18	8.55	7.99	29.32	30.00	2.82	8
M3	20220913	Sunny	Moderate	Mid-Flood	Surface	1	8:18	8.53	8.06	29.22	30.05	3.06	10
M3	20220913	Sunny	Moderate	Mid-Flood	Middle	3.65	8:17	8.48	8.03	29.29	29.95	2.69	12
M3	20220913	Sunny	Moderate	Mid-Flood	Middle	3.65	8:17	8.56	8.08	29.17	30.01	2.95	11
M3	20220913	Sunny	Moderate	Mid-Flood	Bottom	6.3	8:16	8.49	8.05	29.27	30.05	2.75	6
M3	20220913	Sunny	Moderate	Mid-Flood	Bottom	6.3	8:16	8.54	8.00	29.34	30.05	3.09	8
M4	20220913	Sunny	Moderate	Mid-Flood	Surface	1	9:26	8.11	8.21	28.69	30.16	2.57	8
M4	20220913	Sunny	Moderate	Mid-Flood	Surface	1	9:26	8.07	8.21	28.50	30.13	2.55	9
M4	20220913	Sunny	Moderate	Mid-Flood	Bottom	3.9	9:25	8.10	8.23	28.48	30.19	2.98	9
M4	20220913	Sunny	Moderate	Mid-Flood	Bottom	3.9	9:25	8.06	8.20	28.63	30.14	3.12	8
C1	20220915	Sunny	Moderate	Mid-Flood	Surface	1	9:10	8.56	8.17	31.93	30.65	2.84	5
C1	20220915	Sunny	Moderate	Mid-Flood	Surface	1	9:10	8.39	8.18	31.95	30.60	2.76	6
C1	20220915	Sunny	Moderate	Mid-Flood	Middle	11.45	9:09	8.25	8.17	31.85	30.62	3.07	2.5
C1	20220915	Sunny	Moderate	Mid-Flood	Middle	11.45	9:09	8.56	8.14	31.85	30.58	3.01	3
C1	20220915	Sunny	Moderate	Mid-Flood	Bottom	21.9	9:08	8.52	8.16	31.72	30.55	3.07	5
C1	20220915	Sunny	Moderate	Mid-Flood	Bottom	21.9	9:08	8.49	8.17	31.71	30.57	3.37	3
C2	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:02	9.34	8.29	32.41	30.55	2.91	3
C2	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:02	9.27	8.37	32.50	30.55	3.03	2.5
C2	20220915	Sunny	Moderate	Mid-Flood	Middle	11.8	8:01	9.28	8.30	32.53	30.65	3.15	6
C2	20220915	Sunny	Moderate	Mid-Flood	Middle	11.8	8:01	9.32	8.33	32.36	30.65	3.09	3
C2	20220915	Sunny	Moderate	Mid-Flood	Bottom	22.6	8:00	9.40	8.24	32.44	30.53	3.41	2.5
C2	20220915	Sunny	Moderate	Mid-Flood	Bottom	22.6	8:00	9.41	8.32	32.52	30.53	3.33	2.5
M1	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:37	8.93	8.14	32.40	30.52	2.15	2.5
M1	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:37	9.11	8.24	32.38	30.52	1.89	4
M1	20220915	Sunny	Moderate	Mid-Flood	Middle	3.7	8:36	9.28	8.18	32.50	30.52	2.08	2.5
M1	20220915	Sunny	Moderate	Mid-Flood	Middle	3.7	8:36	8.96	8.23	32.35	30.49	2.03	4
M1	20220915	Sunny	Moderate	Mid-Flood	Bottom	6.4	8:35	8.96	8.19	32.32	30.54	1.91	2.5
M1	20220915	Sunny	Moderate	Mid-Flood	Bottom	6.4	8:35	8.93	8.20	32.52	30.51	1.87	2.5
M2	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:53	8.32	8.15	32.53	30.46	2.45	4
M2	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:53	8.24	8.18	32.56	30.45	2.86	2.5
M2	20220915	Sunny	Moderate	Mid-Flood	Middle	5.95	8:52	8.39	8.16	32.48	30.50	2.75	2.5
M2	20220915	Sunny	Moderate	Mid-Flood	Middle	5.95	8:52	8.16	8.17	32.61	30.47	2.48	2.5
M2	20220915	Sunny	Moderate	Mid-Flood	Bottom	10.9	8:51	8.12	8.15	32.50	30.53	2.75	11
M2	20220915	Sunny	Moderate	Mid-Flood	Bottom	10.9	8:51	8.27	8.15	32.45	30.46	2.85	13
M3	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:19	8.38	8.35	31.95	30.69	2.29	2.5
M3	20220915	Sunny	Moderate	Mid-Flood	Surface	1	8:19	8.29	8.33	31.91	30.66	2.36	2.5
M3	20220915	Sunny	Moderate	Mid-Flood	Middle	3.7	8:18	8.27	8.34	31.87	30.64	2.24	2.5
M3	20220915	Sunny	Moderate	Mid-Flood	Middle	3.7	8:18	8.44	8.26	31.75	30.61	2.07	2.5
M3	20220915	Sunny	Moderate	Mid-Flood	Bottom	6.4	8:17	8.44	8.36	31.94	30.62	2.57	2.5
M3	20220915	Sunny	Moderate	Mid-Flood	Bottom	6.4	8:17	8.36	8.35	31.87	30.67	2.27	3
M4	20220915	Sunny	Moderate	Mid-Flood	Surface	1	9:31	8.21	8.31	32.37	30.59	2.69	2.5
M4	20220915	Sunny	Moderate	Mid-Flood	Surface	1	9:31	8.01	8.30	32.27	30.64	2.35	3
M4	20220915	Sunny	Moderate	Mid-Flood	Bottom	4.5	9:30	8.35	8.19	32.19	30.59	2.61	2.5
M4	20220915	Sunny	Moderate	Mid-Flood	Bottom	4.5	9:30	8.07	8.30	32.14	30.67	2.79	2.5
C1	20220917	Sunny	Moderate	Mid-Flood	Surface	1	11:35	8.64	8.22	32.06	30.40	3.22	2.5
C1	20220917	Sunny	Moderate	Mid-Flood	Surface	1	11:35	8.65	8.28	32.24	30.55	3.29	3
C1	20220917	Sunny	Moderate	Mid-Flood	Middle	10.35	11:34	8.72	8.27	32.32	30.43	3.62	2.5
C1	20220917	Sunny	Moderate	Mid-Flood	Middle	10.35	11:34	8.61	8.26	32.38	30.40	3.55	2.5
C1	20220917	Sunny	Moderate	Mid-Flood	Bottom	19.7	11:33	8.60	8.22	32.33	30.39	3.87	3
C1	20220917	Sunny	Moderate	Mid-Flood	Bottom	19.7	11:33	8.70	8.24	32.25	30.40	4.12	2.5
C2	20220917	Sunny	Moderate	Mid-Flood	Surface	1	10:22	8.19	8.21	32.38	30.24	3.84	7
C2	20220917	Sunny	Moderate	Mid-Flood	Surface	1	10:22	8.20	8.23	32.13	30.26	3.73	9
C2	20220917	Sunny	Moderate	Mid-Flood	Middle	11.5	10:21	8.12	8.21	32.10	30.33	4.36	8
C2	20220917	Sunny	Moderate	Mid-Flood	Middle	11.5	10:21	8.14	8.23	32.04	30.25	4.17	9
C2	20220917	Sunny	Moderate	Mid-Flood	Bottom	22	10:20	8.19	8.23	32.15	30.24	4.48	4

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (?)	Turbidity (NTU)	SS
C2	20220917	Sunny	Moderate	Mid-Flood	Bottom		22 10:20	8.15	8.22	32.34	30.25	4.56	8
M1	20220917	Sunny	Moderate	Mid-Flood	Surface		1 10:58	8.15	8.20	33.51	30.15	3.50	3
M1	20220917	Sunny	Moderate	Mid-Flood	Surface		1 10:58	8.17	8.27	33.22	30.12	3.49	2.5
M1	20220917	Sunny	Moderate	Mid-Flood	Middle		3.7 10:57	8.19	8.25	33.54	30.20	3.37	2.5
M1	20220917	Sunny	Moderate	Mid-Flood	Middle		3.7 10:57	8.26	8.26	33.20	30.26	3.35	2.5
M1	20220917	Sunny	Moderate	Mid-Flood	Bottom		6.4 10:56	8.21	8.23	33.45	30.14	3.58	3
M1	20220917	Sunny	Moderate	Mid-Flood	Bottom		6.4 10:56	8.20	8.19	33.25	30.12	3.21	2.5
M2	20220917	Sunny	Moderate	Mid-Flood	Surface		1 11:17	8.83	8.32	33.41	30.37	1.98	2.5
M2	20220917	Sunny	Moderate	Mid-Flood	Surface		1 11:17	8.77	8.37	33.36	30.24	2.12	2.5
M2	20220917	Sunny	Moderate	Mid-Flood	Middle		5.9 11:16	8.79	8.34	33.28	30.41	1.93	2.5
M2	20220917	Sunny	Moderate	Mid-Flood	Middle		5.9 11:16	8.81	8.31	33.19	30.38	2.10	2.5
M2	20220917	Sunny	Moderate	Mid-Flood	Bottom		10.8 11:15	8.91	8.35	33.32	30.27	1.87	2.5
M2	20220917	Sunny	Moderate	Mid-Flood	Bottom		10.8 11:15	8.83	8.35	33.34	30.33	1.92	2.5
M3	20220917	Sunny	Moderate	Mid-Flood	Surface		1 10:40	8.99	8.24	32.89	30.33	3.54	2.5
M3	20220917	Sunny	Moderate	Mid-Flood	Surface		1 10:40	8.95	8.18	32.95	30.35	3.18	2.5
M3	20220917	Sunny	Moderate	Mid-Flood	Middle		3.55 10:39	9.03	8.18	32.74	30.20	3.86	6
M3	20220917	Sunny	Moderate	Mid-Flood	Middle		3.55 10:39	9.03	8.21	32.68	30.35	3.85	7
M3	20220917	Sunny	Moderate	Mid-Flood	Bottom		6.1 10:38	9.01	8.22	33.02	30.34	3.76	2.5
M3	20220917	Sunny	Moderate	Mid-Flood	Bottom		6.1 10:38	8.99	8.19	33.00	30.30	3.75	2.5
M4	20220917	Sunny	Moderate	Mid-Flood	Surface		1 11:52	8.19	8.23	32.29	30.11	2.52	2.5
M4	20220917	Sunny	Moderate	Mid-Flood	Surface		1 11:52	8.33	8.21	32.35	30.24	2.58	4
M4	20220917	Sunny	Moderate	Mid-Flood	Bottom		4.6 11:51	8.17	8.24	32.35	30.22	2.74	6
M4	20220917	Sunny	Moderate	Mid-Flood	Bottom		4.6 11:51	8.29	8.20	32.38	30.31	2.69	5
C1	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 17:53	9.09	8.16	28.67	28.74	2.96	3
C1	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 17:53	9.19	8.18	28.70	28.67	3.19	2.5
C1	20220920	Cloudy	Moderate	Mid-Flood	Middle		10.6 17:52	9.07	8.14	28.71	28.72	3.35	4
C1	20220920	Cloudy	Moderate	Mid-Flood	Middle		10.6 17:52	9.11	8.15	28.91	28.74	3.25	6
C1	20220920	Cloudy	Moderate	Mid-Flood	Bottom		20.2 17:51	9.08	8.17	28.88	28.73	3.60	3
C1	20220920	Cloudy	Moderate	Mid-Flood	Bottom		20.2 17:51	9.12	8.19	28.89	28.61	3.44	2.5
C2	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 16:42	8.73	8.16	29.84	28.69	3.98	6
C2	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 16:42	8.58	8.17	29.74	28.65	3.89	3
C2	20220920	Cloudy	Moderate	Mid-Flood	Middle		10.6 16:41	8.59	8.17	29.72	28.68	4.24	6
C2	20220920	Cloudy	Moderate	Mid-Flood	Middle		10.6 16:41	8.78	8.13	29.81	28.69	4.15	10
C2	20220920	Cloudy	Moderate	Mid-Flood	Bottom		20.2 16:40	8.73	8.17	29.91	28.69	4.53	10
C2	20220920	Cloudy	Moderate	Mid-Flood	Bottom		20.2 16:40	8.76	8.16	29.87	28.58	4.51	8
M1	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 17:13	9.00	8.16	29.44	28.30	3.80	4
M1	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 17:13	8.87	8.23	29.22	28.30	3.51	6
M1	20220920	Cloudy	Moderate	Mid-Flood	Middle		3.55 17:12	9.00	8.20	29.18	28.54	3.90	3
M1	20220920	Cloudy	Moderate	Mid-Flood	Middle		3.55 17:12	8.79	8.18	29.29	28.56	3.95	2.5
M1	20220920	Cloudy	Moderate	Mid-Flood	Bottom		6.1 17:11	8.82	8.15	29.29	28.58	3.80	2.5
M1	20220920	Cloudy	Moderate	Mid-Flood	Bottom		6.1 17:11	9.00	8.23	29.42	28.55	3.91	4
M2	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 17:34	8.32	8.26	28.54	28.36	2.87	4
M2	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 17:34	8.07	8.23	28.63	28.40	2.77	6
M2	20220920	Cloudy	Moderate	Mid-Flood	Middle		6.35 17:33	8.13	8.19	28.66	28.39	3.08	2.5
M2	20220920	Cloudy	Moderate	Mid-Flood	Middle		6.35 17:33	8.09	8.25	28.76	28.37	3.04	4
M2	20220920	Cloudy	Moderate	Mid-Flood	Bottom		11.7 17:32	8.25	8.20	28.53	28.36	2.75	4
M2	20220920	Cloudy	Moderate	Mid-Flood	Bottom		11.7 17:32	8.31	8.28	28.56	28.38	2.80	6
M3	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 16:59	8.55	8.18	29.01	28.43	3.45	4
M3	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 16:59	8.60	8.17	28.86	28.50	3.51	6
M3	20220920	Cloudy	Moderate	Mid-Flood	Middle		3.9 16:58	8.54	8.17	28.99	28.41	3.57	3
M3	20220920	Cloudy	Moderate	Mid-Flood	Middle		3.9 16:58	8.33	8.19	28.92	28.41	3.59	5
M3	20220920	Cloudy	Moderate	Mid-Flood	Bottom		6.8 16:57	8.44	8.21	29.03	28.45	3.30	6
M3	20220920	Cloudy	Moderate	Mid-Flood	Bottom		6.8 16:57	8.44	8.19	28.85	28.43	3.48	6
M4	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 16:07	8.69	8.25	28.62	28.20	2.96	4
M4	20220920	Cloudy	Moderate	Mid-Flood	Surface		1 16:07	8.64	8.22	28.56	28.29	2.63	2.5
M4	20220920	Cloudy	Moderate	Mid-Flood	Bottom		4 16:06	8.89	8.23	28.79	28.23	2.95	2.5
M4	20220920	Cloudy	Moderate	Mid-Flood	Bottom		4 16:06	8.70	8.27	28.60	28.27	2.71	2.5
C1	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:54	8.82	8.36	32.81	28.21	3.17	6
C1	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:54	8.81	8.36	33.03	28.23	3.38	6
C1	20220922	Sunny	Moderate	Mid-Flood	Middle		11.25 16:53	8.74	8.33	33.04	28.25	3.56	3
C1	20220922	Sunny	Moderate	Mid-Flood	Middle		11.25 16:53	8.79	8.36	32.90	28.24	3.30	3
C1	20220922	Sunny	Moderate	Mid-Flood	Bottom		21.5 16:52	8.76	8.42	32.87	28.21	3.25	4
C1	20220922	Sunny	Moderate	Mid-Flood	Bottom		21.5 16:52	8.74	8.34	32.95	28.17	3.27	2.5
C2	20220922	Sunny	Moderate	Mid-Flood	Surface		1 15:47	8.71	8.33	31.84	28.13	3.42	2.5
C2	20220922	Sunny	Moderate	Mid-Flood	Surface		1 15:47	8.70	8.28	31.58	28.25	3.58	3
C2	20220922	Sunny	Moderate	Mid-Flood	Middle		12.05 15:46	8.78	8.36	31.72	28.14	3.61	2.5
C2	20220922	Sunny	Moderate	Mid-Flood	Middle		12.05 15:46	8.78	8.34	31.63	28.17	3.80	2.5
C2	20220922	Sunny	Moderate	Mid-Flood	Bottom		23.1 15:45	8.75	8.33	31.77	28.18	3.80	7
C2	20220922	Sunny	Moderate	Mid-Flood	Bottom		23.1 15:45	8.77	8.38	31.80	28.15	3.93	7
M1	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:22	9.06	8.26	32.73	28.14	2.52	2.5
M1	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:22	9.03	8.21	32.71	28.21	2.82	2.5
M1	20220922	Sunny	Moderate	Mid-Flood	Middle		3.45 16:21	9.08	8.22	32.82	28.22	2.51	3
M1	20220922	Sunny	Moderate	Mid-Flood	Middle		3.45 16:21	9.02	8.24	32.81	28.18	2.65	2.5
M1	20220922	Sunny	Moderate	Mid-Flood	Bottom		5.9 16:20	9.11	8.26	32.84	28.19	2.40	2.5
M1	20220922	Sunny	Moderate	Mid-Flood	Bottom		5.9 16:20	9.05	8.24	32.59	28.21	2.83	2.5
M2	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:37	8.87	8.17	32.93	28.28	3.47	2.5
M2	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:37	8.83	8.18	32.63	28.23	3.53	2.5
M2	20220922	Sunny	Moderate	Mid-Flood	Middle		7 16:36	8.86	8.17	32.71	28.24	3.13	2.5
M2	20220922	Sunny	Moderate	Mid-Flood	Middle		7 16:36	8.89	8.19	32.65	28.28	3.25	4
M2	20220922	Sunny	Moderate	Mid-Flood	Bottom		13 16:35	8.84	8.17	32.80	28.18	3.37	3
M2	20220922	Sunny	Moderate	Mid-Flood	Bottom		13 16:35	8.85	8.18	32.86	28.17	3.56	3
M3	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:04	8.50	8.22	31.85	28.16	3.06	4
M3	20220922	Sunny	Moderate	Mid-Flood	Surface		1 16:04	8.45	8.24	31.94	28.20	3.25	4

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°)	Turbidity (NTU)	SS
M3	20220922	Sunny	Moderate	Mid-Flood	Middle	3.5	16:03	8.52	8.20	31.97	28.13	3.35	4
M3	20220922	Sunny	Moderate	Mid-Flood	Middle	3.5	16:03	8.48	8.23	31.80	28.18	3.15	2.5
M3	20220922	Sunny	Moderate	Mid-Flood	Bottom	6	16:02	8.53	8.20	31.97	28.11	3.38	2.5
M3	20220922	Sunny	Moderate	Mid-Flood	Bottom	6	16:02	8.46	8.24	31.91	28.19	3.23	2.5
M4	20220922	Sunny	Moderate	Mid-Flood	Surface	1	17:13	8.33	8.38	31.48	28.08	2.09	3
M4	20220922	Sunny	Moderate	Mid-Flood	Surface	1	17:13	8.37	8.36	31.62	28.07	2.06	4
M4	20220922	Sunny	Moderate	Mid-Flood	Bottom	3.6	17:12	8.36	8.37	31.55	28.14	2.04	4
M4	20220922	Sunny	Moderate	Mid-Flood	Bottom	3.6	17:12	8.36	8.35	31.33	28.12	2.19	2.5
C1	20220924	Sunny	Moderate	Mid-Flood	Surface	1	17:34	8.51	8.22	32.49	28.18	3.14	3
C1	20220924	Sunny	Moderate	Mid-Flood	Surface	1	17:34	8.49	8.19	32.30	28.24	3.11	2.5
C1	20220924	Sunny	Moderate	Mid-Flood	Middle	9.5	17:33	8.54	8.14	32.35	28.14	2.99	2.5
C1	20220924	Sunny	Moderate	Mid-Flood	Middle	9.5	17:33	8.41	8.14	32.37	28.10	2.91	2.5
C1	20220924	Sunny	Moderate	Mid-Flood	Bottom	18	17:32	8.45	8.16	32.46	28.17	3.21	2.5
C1	20220924	Sunny	Moderate	Mid-Flood	Bottom	18	17:32	8.52	8.18	32.42	28.26	3.11	2.5
C2	20220924	Sunny	Moderate	Mid-Flood	Surface	1	16:28	8.86	8.19	32.85	28.21	3.73	2.5
C2	20220924	Sunny	Moderate	Mid-Flood	Surface	1	16:28	8.83	8.17	32.92	28.35	3.56	2.5
C2	20220924	Sunny	Moderate	Mid-Flood	Middle	11.2	16:27	8.79	8.14	32.90	28.25	3.68	2.5
C2	20220924	Sunny	Moderate	Mid-Flood	Middle	11.2	16:27	8.8	8.22	32.67	28.28	3.83	2.5
C2	20220924	Sunny	Moderate	Mid-Flood	Bottom	21.4	16:26	8.8	8.17	32.89	28.31	4.14	2.5
C2	20220924	Sunny	Moderate	Mid-Flood	Bottom	21.4	16:26	8.83	8.17	32.78	28.35	3.93	2.5
M1	20220924	Sunny	Moderate	Mid-Flood	Surface	1	16:59	8.23	8.18	33.58	28.26	3.3	2.5
M1	20220924	Sunny	Moderate	Mid-Flood	Surface	1	16:59	8.21	8.14	33.49	28.29	3.43	2.5
M1	20220924	Sunny	Moderate	Mid-Flood	Middle	3.65	16:58	8.19	8.19	33.57	28.19	3.23	2.5
M1	20220924	Sunny	Moderate	Mid-Flood	Middle	3.65	16:58	8.23	8.14	33.63	28.25	3.49	2.5
M1	20220924	Sunny	Moderate	Mid-Flood	Bottom	6.3	16:57	8.11	8.16	33.60	28.16	3.36	2.5
M1	20220924	Sunny	Moderate	Mid-Flood	Bottom	6.3	16:57	8.18	8.18	33.61	28.30	3.46	2.5
M2	20220924	Sunny	Moderate	Mid-Flood	Surface	1	17:16	8.66	8.22	32.77	28.13	3.42	4
M2	20220924	Sunny	Moderate	Mid-Flood	Surface	1	17:16	8.68	8.21	32.87	28.01	3.23	6
M2	20220924	Sunny	Moderate	Mid-Flood	Middle	6.15	17:15	8.62	8.17	32.97	28.07	3.32	2.5
M2	20220924	Sunny	Moderate	Mid-Flood	Middle	6.15	17:15	8.59	8.26	32.76	27.99	3.31	2.5
M2	20220924	Sunny	Moderate	Mid-Flood	Bottom	11.3	17:14	8.58	8.23	32.90	28.14	3.43	2.5
M2	20220924	Sunny	Moderate	Mid-Flood	Bottom	11.3	17:14	8.64	8.23	32.96	28.13	3.43	2.5
M3	20220924	Sunny	Moderate	Mid-Flood	Surface	1	16:43	8.13	8.18	32.70	28.20	3.15	2.5
M3	20220924	Sunny	Moderate	Mid-Flood	Surface	1	16:43	8.12	8.19	32.51	28.17	3.29	2.5
M3	20220924	Sunny	Moderate	Mid-Flood	Middle	3.8	16:42	8.11	8.15	32.58	28.14	3.16	2.5
M3	20220924	Sunny	Moderate	Mid-Flood	Middle	3.8	16:42	8.06	8.16	32.63	28.30	3.24	2.5
M3	20220924	Sunny	Moderate	Mid-Flood	Bottom	6.6	16:41	8.08	8.17	32.71	28.22	3.21	2.5
M3	20220924	Sunny	Moderate	Mid-Flood	Bottom	6.6	16:41	8.11	8.14	32.61	28.19	3.31	2.5
M4	20220924	Sunny	Moderate	Mid-Flood	Surface	1	17:52	8.27	8.14	33.43	28.14	3.04	2.5
M4	20220924	Sunny	Moderate	Mid-Flood	Surface	1	17:52	8.24	8.19	33.26	28.15	2.75	2.5
M4	20220924	Sunny	Moderate	Mid-Flood	Bottom	3.5	17:51	8.28	8.18	33.39	28.17	3.09	2.5
M4	20220924	Sunny	Moderate	Mid-Flood	Bottom	3.5	17:51	8.18	8.15	33.30	28.25	3.03	2.5
C1	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:36	8.32	8.24	31.93	28.01	3.99	2.5
C1	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:36	8.23	8.21	31.87	28.02	4.15	2.5
C1	20220927	Cloudy	Moderate	Mid-Flood	Middle	11.3	17:35	8.31	8.21	31.79	28.03	3.93	2.5
C1	20220927	Cloudy	Moderate	Mid-Flood	Middle	11.3	17:35	8.19	8.22	31.79	28.03	3.96	2.5
C1	20220927	Cloudy	Moderate	Mid-Flood	Bottom	21.6	17:34	8.27	8.24	31.79	28.04	4.23	2.5
C1	20220927	Cloudy	Moderate	Mid-Flood	Bottom	21.6	17:34	8.25	8.23	31.91	27.96	4.06	2.5
C2	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	16:26	7.93	8.15	32.63	28.27	4.89	2.5
C2	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	16:26	8.18	8.17	32.61	28.16	4.73	2.5
C2	20220927	Cloudy	Moderate	Mid-Flood	Middle	12.45	16:25	8	8.14	32.70	28.20	5.23	2.5
C2	20220927	Cloudy	Moderate	Mid-Flood	Middle	12.45	16:25	8.06	8.17	32.74	28.17	5.05	2.5
C2	20220927	Cloudy	Moderate	Mid-Flood	Bottom	23.9	16:24	7.93	8.12	32.75	28.27	5.04	3
C2	20220927	Cloudy	Moderate	Mid-Flood	Bottom	23.9	16:24	7.96	8.16	32.66	28.16	5.16	2.5
M1	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:01	8.2	8.13	32.51	27.92	4.18	2.5
M1	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:01	8.22	8.14	32.45	27.93	4.18	2.5
M1	20220927	Cloudy	Moderate	Mid-Flood	Middle	3.6	17:00	8.23	8.12	32.45	27.92	3.93	2.5
M1	20220927	Cloudy	Moderate	Mid-Flood	Middle	3.6	17:00	8.14	8.13	32.44	27.96	3.93	2.5
M1	20220927	Cloudy	Moderate	Mid-Flood	Bottom	6.2	16:59	8.26	8.13	32.48	27.94	3.99	2.5
M1	20220927	Cloudy	Moderate	Mid-Flood	Bottom	6.2	16:59	8.12	8.13	32.46	27.86	3.76	2.5
M2	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:20	9.01	8.12	32.28	27.98	4.77	2.5
M2	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:20	8.91	8.14	32.38	27.99	4.44	2.5
M2	20220927	Cloudy	Moderate	Mid-Flood	Middle	7	17:19	8.88	8.15	32.39	27.94	4.37	2.5
M2	20220927	Cloudy	Moderate	Mid-Flood	Middle	7	17:19	8.91	8.13	32.43	28.00	4.89	2.5
M2	20220927	Cloudy	Moderate	Mid-Flood	Bottom	13	17:18	8.95	8.15	32.40	27.95	4.61	2.5
M2	20220927	Cloudy	Moderate	Mid-Flood	Bottom	13	17:18	8.91	8.16	32.31	27.97	4.44	2.5
M3	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	16:43	8.1	8.25	32.85	28.02	3.87	2.5
M3	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	16:43	8.11	8.23	32.64	28.05	3.61	2.5
M3	20220927	Cloudy	Moderate	Mid-Flood	Middle	3.35	16:42	8.06	8.24	32.64	27.96	3.89	2.5
M3	20220927	Cloudy	Moderate	Mid-Flood	Middle	3.35	16:42	8.09	8.25	32.73	27.98	3.92	2.5
M3	20220927	Cloudy	Moderate	Mid-Flood	Bottom	5.7	16:41	8.07	8.21	32.67	28.06	3.99	3
M3	20220927	Cloudy	Moderate	Mid-Flood	Bottom	5.7	16:41	8.08	8.24	32.73	28.06	3.77	2.5
M4	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:52	8.58	8.26	32.73	28.12	3.87	4
M4	20220927	Cloudy	Moderate	Mid-Flood	Surface	1	17:52	8.5	8.25	32.71	28.13	4.01	2.5
M4	20220927	Cloudy	Moderate	Mid-Flood	Bottom	3.5	17:51	8.6	8.22	32.80	28.10	4.14	2.5
M4	20220927	Cloudy	Moderate	Mid-Flood	Bottom	3.5	17:51	8.59	8.24	32.74	28.11	3.99	2.5
C1	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	9:20	8.97	8.23	31.37	28.29	2.65	2.5
C1	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	9:20	8.8	8.26	30.99	28.33	2.58	2.5
C1	20220929	Cloudy	Moderate	Mid-Flood	Middle	9.75	9:19	8.93	8.22	31.23	28.40	2.81	2.5
C1	20220929	Cloudy	Moderate	Mid-Flood	Middle	9.75	9:19	8.74	8.2	31.05	28.39	2.73	4
C1	20220929	Cloudy	Moderate	Mid-Flood	Bottom	18.5	9:18	8.8	8.26	31.06	28.41	2.96	6
C1	20220929	Cloudy	Moderate	Mid-Flood	Bottom	18.5	9:18	8.85	8.19	31.38	28.27	3.02	3
C2	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	8:11	8.09	8.28	32.04	28.39	3.11	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (?)	Turbidity (NTU)	SS
C2	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	8:11	8.2	8.28	32.03	28.26	3.18	3
C2	20220929	Cloudy	Moderate	Mid-Flood	Middle	11.65	8:10	8.31	8.3	32.07	28.28	3.18	4
C2	20220929	Cloudy	Moderate	Mid-Flood	Middle	11.65	8:10	8.12	8.23	31.90	28.30	3.09	3
C2	20220929	Cloudy	Moderate	Mid-Flood	Bottom	22.3	8:09	8.29	8.26	31.81	28.44	3.47	5
C2	20220929	Cloudy	Moderate	Mid-Flood	Bottom	22.3	8:09	8.07	8.3	31.80	28.30	3.36	6
M1	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	8:47	8.17	8.28	31.74	28.19	2.56	3
M1	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	8:47	8.21	8.23	31.90	28.27	2.35	3
M1	20220929	Cloudy	Moderate	Mid-Flood	Middle	3.6	8:46	8.24	8.25	31.53	28.37	2.63	2.5
M1	20220929	Cloudy	Moderate	Mid-Flood	Middle	3.6	8:46	8.09	8.24	31.73	28.19	2.64	3
M1	20220929	Cloudy	Moderate	Mid-Flood	Bottom	6.2	8:45	8.28	8.27	31.63	28.24	2.17	5
M1	20220929	Cloudy	Moderate	Mid-Flood	Bottom	6.2	8:45	8.3	8.25	31.79	28.26	2.34	3
M2	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	9:02	8.4	8.27	31.35	28.17	2.03	2.5
M2	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	9:02	8.57	8.24	31.29	28.11	2.04	4
M2	20220929	Cloudy	Moderate	Mid-Flood	Middle	6.15	9:01	8.44	8.26	30.99	28.11	1.98	3
M2	20220929	Cloudy	Moderate	Mid-Flood	Middle	6.15	9:01	8.53	8.24	31.29	28.15	2.07	2.5
M2	20220929	Cloudy	Moderate	Mid-Flood	Bottom	11.3	9:00	8.35	8.23	31.28	28.19	2.06	3
M2	20220929	Cloudy	Moderate	Mid-Flood	Bottom	11.3	9:00	8.37	8.29	31.13	28.08	2.18	3
M3	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	8:30	8.22	8.17	32.10	28.37	2.03	3
M3	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	8:30	8.38	8.17	32.49	28.28	2.07	2.5
M3	20220929	Cloudy	Moderate	Mid-Flood	Middle	3.4	8:29	8.22	8.16	32.53	28.31	1.98	3
M3	20220929	Cloudy	Moderate	Mid-Flood	Middle	3.4	8:29	8.21	8.19	32.44	28.39	1.94	2.5
M3	20220929	Cloudy	Moderate	Mid-Flood	Bottom	5.8	8:28	8.2	8.19	32.38	28.32	1.97	3
M3	20220929	Cloudy	Moderate	Mid-Flood	Bottom	5.8	8:28	8.29	8.2	32.52	28.36	2.08	2.5
M4	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	9:38	8.22	8.21	31.71	28.25	2.92	5
M4	20220929	Cloudy	Moderate	Mid-Flood	Surface	1	9:38	8.25	8.2	31.80	28.11	2.96	4
M4	20220929	Cloudy	Moderate	Mid-Flood	Bottom	3.7	9:37	8.14	8.19	31.58	28.26	2.61	6
M4	20220929	Cloudy	Moderate	Mid-Flood	Bottom	3.7	9:37	8.23	8.2	31.64	28.28	2.71	6





