

# 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	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:07	9.10	8.34	33.29	27.18	5.68	6	0.293	SE	/
C1	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:07	9.11	8.33	33.35	27.27	5.92	6	0.272	SE	/
C1	20211102	Cloudy	moderate	Mid-Ebb	Middle	9.95	9:06	8.15	8.27	33.72	27.09	5.83	7	0.299	E	/
C1	20211102	Cloudy	moderate	Mid-Ebb	Middle	9.95	9:06	8.28	8.24	33.71	26.93	5.91	7	0.280	E	/
C1	20211102	Cloudy	moderate	Mid-Ebb	Bottom	18.9	9:05	8.22	8.24	33.79	27.05	4.89	5	0.300	SE	/
C1	20211102	Cloudy	moderate	Mid-Ebb	Bottom	18.9	9:05	8.30	8.23	33.73	27.06	4.79	5	0.294	E	/
C2	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:57	8.92	8.41	33.66	26.98	3.61	6	0.278	SE	/
C2	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:57	8.88	8.39	33.48	26.91	3.96	5	0.264	SE	/
C2	20211102	Cloudy	moderate	Mid-Ebb	Middle	10.95	9:56	8.75	8.37	33.27	27.50	4.12	2.5	0.286	SE	/
C2	20211102	Cloudy	moderate	Mid-Ebb	Middle	10.95	9:56	8.80	8.43	33.63	26.82	4.19	2.5	0.269	SE	/
C2	20211102	Cloudy	moderate	Mid-Ebb	Bottom	20.9	9:55	9.00	8.25	33.52	27.04	4.65	4	0.296	SE	/
C2	20211102	Cloudy	moderate	Mid-Ebb	Bottom	20.9	9:55	8.96	8.16	33.39	27.19	4.01	3	0.296	SE	/
M1	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:32	9.07	8.29	32.81	27.83	4.01	5	0.291	E	/
M1	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:32	8.31	8.26	33.59	26.95	3.64	5	0.279	SE	/
M1	20211102	Cloudy	moderate	Mid-Ebb	Middle	3.65	9:31	9.29	8.22	32.61	27.77	3.95	2.5	0.265	SE	/
M1	20211102	Cloudy	moderate	Mid-Ebb	Middle	3.65	9:31	9.12	8.26	32.56	27.87	3.64	4	0.297	E	/
M1	20211102	Cloudy	moderate	Mid-Ebb	Bottom	6.3	9:30	8.93	8.23	33.46	26.93	4.56	4	0.277	E	/
M1	20211102	Cloudy	moderate	Mid-Ebb	Bottom	6.3	9:30	9.12	8.23	32.79	27.72	4.66	4	0.286	E	/
M2	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:19	8.14	8.24	32.96	27.59	3.57	5	0.293	E	/
M2	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:19	8.21	8.21	33.06	27.70	3.89	5	0.288	E	/
M2	20211102	Cloudy	moderate	Mid-Ebb	Middle	6.85	9:18	8.78	8.16	33.55	27.05	3.04	6	0.287	E	/
M2	20211102	Cloudy	moderate	Mid-Ebb	Middle	6.85	9:18	9.03	8.23	33.62	27.23	3.54	4	0.293	E	/
M2	20211102	Cloudy	moderate	Mid-Ebb	Bottom	12.7	9:17	8.95	8.20	33.69	27.10	2.90	4	0.266	SE	/
M2	20211102	Cloudy	moderate	Mid-Ebb	Bottom	12.7	9:17	8.93	8.18	33.46	27.23	2.94	4	0.292	E	/
M3	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:44	8.03	8.23	33.17	26.77	3.73	3	0.299	E	/
M3	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	9:44	8.01	8.24	32.98	26.97	3.56	4	0.264	E	/
M3	20211102	Cloudy	moderate	Mid-Ebb	Middle	3.25	9:43	8.97	8.10	33.12	26.97	3.16	2.5	0.294	E	/
M3	20211102	Cloudy	moderate	Mid-Ebb	Middle	3.25	9:43	7.96	8.22	32.84	26.76	2.92	2.5	0.288	SE	/
M3	20211102	Cloudy	moderate	Mid-Ebb	Bottom	5.5	9:42	8.33	8.26	33.05	27.70	3.52	3	0.273	SE	/
M3	20211102	Cloudy	moderate	Mid-Ebb	Bottom	5.5	9:42	8.34	8.25	33.30	27.81	3.86	4	0.288	E	/
M4	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	10:14	8.86	8.28	33.29	27.35	3.25	3	0.276	SE	/
M4	20211102	Cloudy	moderate	Mid-Ebb	Surface	1	10:14	8.15	8.10	32.12	26.89	3.87	3	0.295	SE	/
M4	20211102	Cloudy	moderate	Mid-Ebb	Bottom	3.9	10:13	8.17	8.20	32.99	26.80	4.64	3	0.297	SE	/
M4	20211102	Cloudy	moderate	Mid-Ebb	Bottom	3.9	10:13	9.00	8.23	33.22	27.36	3.89	3	0.264	SE	/
C1	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:01	8.47	8.34	31.34	27.89	10.80	10	0.293	SE	/
C1	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:01	8.55	8.34	31.41	27.99	10.50	9	0.274	E	/
C1	20211104	Cloudy	Moderate	Mid-Ebb	Middle	11.2	10:00	8.05	8.06	31.82	27.93	9.01	9	0.286	E	/
C1	20211104	Cloudy	Moderate	Mid-Ebb	Middle	11.2	10:00	8.16	8.12	31.81	27.90	9.68	10	0.295	SE	/
C1	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	21.4	9:59	8.02	8.14	31.92	27.94	11.40	8	0.295	SE	/
C1	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	21.4	9:59	7.99	8.13	31.79	27.96	11.60	10	0.283	SE	/
C2	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:59	8.78	8.32	32.20	28.19	9.35	9	0.268	E	/
C2	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:59	8.69	8.31	32.23	28.17	9.62	9	0.298	SE	/
C2	20211104	Cloudy	Moderate	Mid-Ebb	Middle	11.3	10:58	8.77	8.34	32.83	28.14	9.01	8	0.297	E	/
C2	20211104	Cloudy	Moderate	Mid-Ebb	Middle	11.3	10:58	8.78	8.36	32.04	28.19	8.91	7	0.285	SE	/
C2	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	21.6	10:57	8.42	8.31	31.36	27.90	9.88	9	0.269	E	/
C2	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	21.6	10:57	8.44	8.35	31.53	27.88	9.84	8	0.275	SE	/
M1	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:28	8.88	8.30	32.80	28.13	6.94	7	0.296	SE	/
M1	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:28	8.42	8.33	32.38	28.06	7.06	7	0.268	SE	/
M1	20211104	Cloudy	Moderate	Mid-Ebb	Middle	3.35	10:27	8.87	8.33	32.73	28.23	7.60	8	0.300	E	/
M1	20211104	Cloudy	Moderate	Mid-Ebb	Middle	3.35	10:27	8.80	8.34	32.57	28.17	7.71	8	0.279	E	/
M1	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	5.7	10:26	8.79	8.28	32.18	28.10	7.72	5	0.286	SE	/
M1	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	5.7	10:26	8.83	8.36	32.61	28.18	7.74	8	0.281	SE	/
M2	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:15	8.47	8.10	32.50	27.98	8.01	9	0.274	SE	/
M2	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:15	8.55	8.06	32.52	27.99	8.33	5	0.282	SE	/
M2	20211104	Cloudy	Moderate	Mid-Ebb	Middle	6.2	10:14	9.20	8.21	32.05	28.13	7.57	7	0.293	SE	/
M2	20211104	Cloudy	Moderate	Mid-Ebb	Middle	6.2	10:14	9.21	8.24	31.95	28.04	7.97	8	0.296	SE	/
M2	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	10:13	9.04	8.21	31.96	28.10	8.75	6	0.278	SE	/
M2	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	10:13	9.07	8.19	32.06	28.12	8.55	6	0.292	SE	/
M3	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:42	9.03	8.35	31.53	28.10	7.60	5	0.288	E	/
M3	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	10:42	9.02	8.37	31.64	27.99	7.89	4	0.291	SE	/
M3	20211104	Cloudy	Moderate	Mid-Ebb	Middle	3.95	10:41	9.03	8.16	31.56	28.20	8.95	6	0.284	SE	/
M3	20211104	Cloudy	Moderate	Mid-Ebb	Middle	3.95	10:41	9.16	8.36	31.64	28.02	8.80	8	0.271	E	/
M3	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	6.9	10:40	8.62	8.12	32.50	27.98	8.75	8	0.284	SE	/
M3	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	6.9	10:40	8.69	8.08	32.55	27.96	8.65	7	0.268	E	/
M4	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	11:19	8.62	8.34	32.76	28.10	9.19	7	0.294	SE	/
M4	20211104	Cloudy	Moderate	Mid-Ebb	Surface	1	11:19	8.53	8.31	32.73	28.07	8.70	5	0.274	SE	/
M4	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	11:18	9.14	8.40	31.65	28.10	9.40	8	0.275	E	/
M4	20211104	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	11:18	8.53	8.34	32.82	28.10	8.99	8	0.291	SE	/
C1	20211106	Sunny	Moderate	Mid-Ebb	Surface	1	11:29	9.00	8.19	31.35	27.53	5.79	7	0.276	E	/
C1	20211106	Sunny	Moderate	Mid-Ebb	Surface	1	11:29	9.05	8.14	31.45	27.59	6.07	8	0.298	SE	/
C1	20211106	Sunny	Moderate	Mid-Ebb	Middle	9.85	11:28	8.24	8.26	30.52	27.63	6.84	10	0.282	E	/
C1	20211106	Sunny	Moderate	Mid-Ebb	Middle	9.85	11:28	8.23	8.26	30.30	27.60	6.61	9	0.281	SE	/
C1	20211106	Sunny	Moderate	Mid-Ebb	Bottom	18.7	11:27	8.15	8.21	30.43	27.58	6.59	8	0.264	E	/
C1	20211106	Sunny	Moderate	Mid-Ebb	Bottom	18.7	11:27	8.22	8.27	30.25	27.54	6.61	8	0.296	E	/
C2	20211106	Sunny	Moderate	Mid-Ebb	Surface	1	12:38	8.46	8.29	30.23	27.64	5.94	13	0.268	E	/
C2	20211106	Sunny	Moderate	Mid-Ebb	Surface	1	12:38	8.50	8.28	30.24	27.60	6.88	13	0.295	SE	/
C2	20211106	Sunny	Moderate	Mid-Ebb	Middle	10.7	12:37	8.85	8.18	31.32	27.48	6.56	6	0.274	SE	/
C2	20211106	Sunny	Moderate	Mid-Ebb	Middle	10.7	12:37	8.44	8.23	30.12	27.57	6.76	7	0.285	SE	/
C2	20211106	Sunny	Moderate	Mid-Ebb	Bottom	20.4	12:36	8.93	8.15	31.43	27.52	6.67	7	0.282	SE	/
C2	20211106	Sunny	Moderate	Mid-Ebb	Bottom	20.4	12:36	9.04	8.17	31.41	27.58	6.88	7	0.278	E	/
M1	20211106	Sunny	Moderate	Mid-Ebb	Surface	1	12:00	9.03	8.12	30.29	27.44	6.82	8	0.273	SE	/
M1	20211106	Sunny	Moderate	Mid-Ebb	Surface	1	12:00	8.48	8.19	30.65	27.50	6.57	8	0.282	SE	/
M1	20211106	Sunny	Moderate	Mid-Ebb	Middle	3.9	11:59	9.04	8.18	30.25	27.41	6.97	7	0.284	SE	/
M1	20211106	Sunny	Moderate	Mid-Ebb	Middle	3.9	11:59	8.91	8.18	30.32	27.46	6.72	7	0.292	E	/
M1	20211106	Sunny	Moderate	Mid-Ebb	Bottom	6.8	11:58	8.38	8.23	30.27	27.55	6.83	7	0.273	SE	/
M1	20211106	Sunny	Moderate	Mid												

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	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	13:47	8.56	8.34	29.99	27.68	8.99	11	0.270	SE	/
C1	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	13:47	8.65	8.35	29.75	27.54	9.60	11	0.287	SE	/
C1	20211109	Cloudy	Moderate	Mid-Ebb	Middle	10.2	13:46	8.03	8.34	29.88	27.27	8.93	12	0.287	E	/
C1	20211109	Cloudy	Moderate	Mid-Ebb	Middle	10.2	13:46	8.04	8.37	29.75	27.35	8.88	13	0.268	SE	/
C1	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	19.4	13:45	8.05	8.31	29.90	27.33	9.35	12	0.292	E	/
C1	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	19.4	13:45	8.00	8.36	29.84	27.48	10.20	10	0.298	E	/
C2	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:54	8.19	8.18	30.76	27.71	7.95	8	0.270	SE	/
C2	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:54	8.14	8.24	31.06	27.80	7.92	9	0.269	E	/
C2	20211109	Cloudy	Moderate	Mid-Ebb	Middle	10.65	14:53	9.15	8.23	30.72	27.86	8.26	7	0.281	SE	/
C2	20211109	Cloudy	Moderate	Mid-Ebb	Middle	10.65	14:53	8.00	8.23	30.92	27.71	8.07	6	0.298	SE	/
C2	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	20.3	14:52	8.61	8.33	30.04	27.71	8.85	6	0.271	SE	/
C2	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	20.3	14:52	8.65	8.29	29.89	27.72	8.67	8	0.280	SE	/
M1	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:18	8.88	8.16	30.59	27.98	8.16	4	0.299	SE	/
M1	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:18	7.98	8.32	30.05	27.10	8.34	4	0.288	SE	/
M1	20211109	Cloudy	Moderate	Mid-Ebb	Middle	3.3	14:17	8.94	8.15	30.79	28.05	8.05	9	0.300	SE	/
M1	20211109	Cloudy	Moderate	Mid-Ebb	Middle	3.3	14:17	8.88	8.17	30.54	28.12	7.81	7	0.299	SE	/
M1	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	5.6	14:16	8.13	8.21	31.04	27.79	7.76	8	0.299	SE	/
M1	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	5.6	14:16	8.96	8.19	30.41	28.07	8.00	7	0.279	SE	/
M2	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:03	8.31	8.35	30.33	28.10	7.72	4	0.274	SE	/
M2	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:03	8.33	8.39	30.57	28.11	7.57	4	0.269	E	/
M2	20211109	Cloudy	Moderate	Mid-Ebb	Middle	6.1	14:02	8.75	8.17	29.59	27.51	8.74	3	0.268	E	/
M2	20211109	Cloudy	Moderate	Mid-Ebb	Middle	6.1	14:02	8.71	8.15	29.40	27.54	8.65	5	0.270	E	/
M2	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	11.2	14:01	8.74	8.17	29.63	27.52	8.30	7	0.281	E	/
M2	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	11.2	14:01	8.77	8.20	29.60	27.55	8.29	7	0.301	E	/
M3	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:36	9.04	8.14	30.68	27.12	8.70	2.5	0.275	SE	/
M3	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	14:36	9.07	8.13	30.67	27.16	8.83	2.5	0.291	SE	/
M3	20211109	Cloudy	Moderate	Mid-Ebb	Middle	3.75	14:35	8.39	8.27	30.03	27.51	8.72	4	0.294	E	/
M3	20211109	Cloudy	Moderate	Mid-Ebb	Middle	3.75	14:35	9.13	8.11	30.52	27.01	8.63	6	0.268	SE	/
M3	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	6.5	14:34	8.26	8.36	30.48	28.14	7.98	7	0.292	E	/
M3	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	6.5	14:34	8.30	8.35	30.55	28.12	8.30	9	0.296	SE	/
M4	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	15:21	8.09	8.40	29.96	27.84	8.34	2.5	0.300	E	/
M4	20211109	Cloudy	Moderate	Mid-Ebb	Surface	1	15:21	8.16	8.23	30.15	28.00	8.60	2.5	0.280	SE	/
M4	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	15:19	9.04	8.09	30.55	27.23	8.63	6	0.263	E	/
M4	20211109	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	15:19	8.06	8.34	29.81	27.85	8.85	6	0.292	SE	/
C1	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	8.40	8.20	32.37	26.17	10.90	8	0.281	SE	/
C1	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	8.50	8.18	32.45	26.15	12.10	11	0.281	SE	/
C1	20211111	Cloudy	Moderate	Mid-Ebb	Middle	9.35	8:01	8.13	8.11	31.24	26.20	10.70	8	0.299	SE	/
C1	20211111	Cloudy	Moderate	Mid-Ebb	Middle	9.35	8:01	8.01	8.08	31.42	26.14	11.10	10	0.284	E	/
C1	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	17.7	8:00	8.10	8.13	31.21	26.29	10.80	8	0.296	SE	/
C1	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	17.7	8:00	8.14	8.14	31.37	26.35	10.30	8	0.269	E	/
C2	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:59	9.11	8.07	32.13	26.27	8.86	7	0.263	SE	/
C2	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:59	9.03	8.08	32.09	26.27	8.33	7	0.300	E	/
C2	20211111	Cloudy	Moderate	Mid-Ebb	Middle	12.4	8:58	8.47	7.95	32.01	26.20	9.17	5	0.277	SE	/
C2	20211111	Cloudy	Moderate	Mid-Ebb	Middle	12.4	8:58	9.06	8.03	32.06	26.18	9.01	4	0.298	SE	/
C2	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	23.8	8:57	8.37	8.22	32.46	26.18	10.20	8	0.281	E	/
C2	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	23.8	8:57	8.40	8.18	32.61	26.14	9.28	8	0.292	SE	/
M1	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:28	7.94	8.11	32.42	26.13	8.27	4	0.267	SE	/
M1	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:28	8.84	8.10	31.27	26.32	8.18	4	0.266	SE	/
M1	20211111	Cloudy	Moderate	Mid-Ebb	Middle	4.15	8:27	8.14	8.06	32.15	26.27	7.90	7	0.276	SE	/
M1	20211111	Cloudy	Moderate	Mid-Ebb	Middle	4.15	8:27	8.09	8.03	32.39	26.14	7.96	7	0.282	E	/
M1	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	7.3	8:26	9.19	8.05	32.01	26.30	8.65	6	0.275	SE	/
M1	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	7.3	8:26	8.08	8.04	32.32	26.34	8.62	8	0.277	SE	/
M2	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:14	8.15	8.04	30.85	26.27	8.36	7	0.289	SE	/
M2	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:14	8.17	8.07	31.00	26.29	8.26	7	0.294	E	/
M2	20211111	Cloudy	Moderate	Mid-Ebb	Middle	6.1	8:13	8.31	8.18	31.01	26.29	8.97	7	0.275	SE	/
M2	20211111	Cloudy	Moderate	Mid-Ebb	Middle	6.1	8:13	8.27	8.13	30.85	26.18	8.76	7	0.290	SE	/
M2	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	11.2	8:12	8.28	8.22	30.91	26.31	8.55	6	0.268	E	/
M2	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	11.2	8:12	8.32	8.20	30.99	26.35	8.47	6	0.285	E	/
M3	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:41	8.07	8.22	32.42	26.37	6.96	8	0.283	E	/
M3	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	8:41	8.11	8.24	32.46	26.35	7.01	8	0.275	E	/
M3	20211111	Cloudy	Moderate	Mid-Ebb	Middle	3.65	8:40	8.09	7.99	31.49	26.35	7.90	9	0.283	SE	/
M3	20211111	Cloudy	Moderate	Mid-Ebb	Middle	3.65	8:40	8.06	8.23	32.62	26.37	7.90	9	0.300	SE	/
M3	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	8:39	8.17	8.05	31.12	26.28	8.21	8	0.286	SE	/
M3	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	8:39	8.09	8.03	31.15	26.27	8.24	8	0.285	SE	/
M4	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	9:15	8.83	8.19	31.13	26.29	7.58	6	0.296	SE	/
M4	20211111	Cloudy	Moderate	Mid-Ebb	Surface	1	9:15	8.04	8.15	31.11	26.15	7.59	6	0.293	SE	/
M4	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	9:13	8.09	8.18	32.45	26.19	8.22	6	0.263	SE	/
M4	20211111	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	9:13	8.83	8.17	30.91	26.23	8.08	6	0.271	SE	/
C1	20211113	Sunny	Moderate	Mid-Ebb	Surface	1	8:13	8.10	8.41	31.43	26.04	8.30	8	0.270	E	/
C1	20211113	Sunny	Moderate	Mid-Ebb	Surface	1	8:13	8.05	8.37	31.63	26.22	8.46	8	0.269	E	/
C1	20211113	Sunny	Moderate	Mid-Ebb	Middle	11.15	8:12	9.13	8.37	32.35	26.17	8.70	7	0.289	SE	/
C1	20211113	Sunny	Moderate	Mid-Ebb	Middle	11.15	8:12	9.09	8.42	32.46	26.12	8.55	5	0.292	SE	/
C1	20211113	Sunny	Moderate	Mid-Ebb	Bottom	21.3	8:11	9.17	8.40	32.46	26.03	8.98	10	0.276	E	/
C1	20211113	Sunny	Moderate	Mid-Ebb	Bottom	21.3	8:11	9.07	8.42	32.36	26.09	8.80	10	0.290	SE	/
C2	20211113	Sunny	Moderate	Mid-Ebb	Surface	1	9:13	8.97	8.42	31.12	26.16	6.27	5	0.291	SE	/
C2	20211113	Sunny	Moderate	Mid-Ebb	Surface	1	9:13	9.01	8.43	31.13	26.19	6.30	4	0.275	SE	/
C2	20211113	Sunny	Moderate	Mid-Ebb	Middle	11.05	9:12	8.47	8.21	32.77	26.15	6.56	5	0.300	E	/
C2	20211113	Sunny	Moderate	Mid-Ebb	Middle	11.05	9:12	8.94	8.45	31.34	26.12	6.77	3	0.283	SE	/
C2	20211113	Sunny	Moderate	Mid-Ebb	Bottom	21.1	9:11	7.97	8.36	31.35	26.04	7.30	6	0.274	SE	/
C2	20211113	Sunny	Moderate	Mid-Ebb	Bottom	21.1	9:11	7.95	8.43	31.63	26.18	7.33	5	0.271	SE	/
M1	20211113	Sunny	Moderate	Mid-Ebb	Surface	1	8:40	8.14	8.17	32.06	26.11	7.15	2.5	0.296	SE	/
M1	20211113	Sunny	Moderate	Mid-Ebb	Surface	1	8:40	9.19	8.25	32.74	26.18	6.99	4	0.297	E	/
M1	20211113	Sunny	Moderate	Mid-Ebb	Middle	3.5	8:39	8.08	8.20	32.20	26.20	6.58	4	0.293	E	/
M1	20211113	Sunny	Moderate	Mid-Ebb	Middle	3.5	8:39	8.23	8.20	32.33	26.11	6.47	4	0.281	E	/
M1	20211113	Sunny	Moderate	Mid-Ebb	Bottom	6	8:38	9.10	8.41	31.08	26.17	5.63	4	0.273	E	/
M1	20211113	Sunny	Moderate	Mid-Ebb	Bottom											

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	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	8:37	8.52	8.25	31.43	26.85	12.60	10	0.297	SE	/
C1	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	8:37	8.58	8.22	31.68	26.87	12.00	14	0.271	SE	/
C1	20211116	Sunny	Moderate	Mid-Ebb	Middle	10.8	8:36	9.05	8.07	30.67	27.32	13.70	13	0.268	SE	/
C1	20211116	Sunny	Moderate	Mid-Ebb	Middle	10.8	8:36	8.98	8.07	30.70	27.26	13.10	15	0.270	E	/
C1	20211116	Sunny	Moderate	Mid-Ebb	Bottom	20.6	8:35	8.91	8.05	30.63	27.38	11.20	11	0.263	E	/
C1	20211116	Sunny	Moderate	Mid-Ebb	Bottom	20.6	8:35	9.15	8.05	30.74	27.38	12.30	14	0.300	SE	/
C2	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:36	9.11	8.19	30.53	26.47	10.10	12	0.270	SE	/
C2	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:36	8.90	8.22	30.42	26.39	9.33	11	0.289	SE	/
C2	20211116	Sunny	Moderate	Mid-Ebb	Middle	11	9:35	9.27	8.36	30.53	27.18	10.10	17	0.289	E	/
C2	20211116	Sunny	Moderate	Mid-Ebb	Middle	11	9:35	8.98	8.23	30.39	26.50	10.20	17	0.265	SE	/
C2	20211116	Sunny	Moderate	Mid-Ebb	Bottom	21	9:34	8.70	8.22	31.69	26.74	9.54	10	0.297	SE	/
C2	20211116	Sunny	Moderate	Mid-Ebb	Bottom	21	9:34	8.64	8.27	31.50	26.76	9.32	9	0.296	SE	/
M1	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:05	8.97	8.21	31.77	26.96	7.91	6	0.289	E	/
M1	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:05	9.61	8.25	30.91	27.01	7.75	6	0.296	SE	/
M1	20211116	Sunny	Moderate	Mid-Ebb	Middle	4	9:04	8.94	8.27	31.60	26.82	8.45	12	0.295	SE	/
M1	20211116	Sunny	Moderate	Mid-Ebb	Middle	4	9:04	9.16	8.24	31.63	26.91	8.43	12	0.286	SE	/
M1	20211116	Sunny	Moderate	Mid-Ebb	Bottom	7	9:03	8.97	8.25	30.37	26.54	8.33	11	0.288	E	/
M1	20211116	Sunny	Moderate	Mid-Ebb	Bottom	7	9:03	8.98	8.25	31.67	26.97	8.38	10	0.294	E	/
M2	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	8:51	8.51	8.31	31.07	26.60	8.47	10	0.277	SE	/
M2	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	8:51	8.44	8.26	31.19	26.50	8.36	9	0.282	SE	/
M2	20211116	Sunny	Moderate	Mid-Ebb	Middle	6.55	8:50	9.77	8.35	31.15	26.97	7.99	6	0.279	SE	/
M2	20211116	Sunny	Moderate	Mid-Ebb	Middle	6.55	8:50	9.57	8.34	31.37	26.99	7.99	6	0.284	E	/
M2	20211116	Sunny	Moderate	Mid-Ebb	Bottom	12.1	8:49	9.61	8.34	31.25	26.82	7.51	4	0.268	E	/
M2	20211116	Sunny	Moderate	Mid-Ebb	Bottom	12.1	8:49	9.64	8.36	31.23	26.89	7.51	4	0.271	SE	/
M3	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:18	8.25	8.03	31.77	26.89	9.41	5	0.267	E	/
M3	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:18	8.09	8.08	31.69	26.91	9.24	5	0.276	SE	/
M3	20211116	Sunny	Moderate	Mid-Ebb	Middle	4.05	9:17	8.89	8.28	30.46	27.04	7.73	11	0.291	SE	/
M3	20211116	Sunny	Moderate	Mid-Ebb	Middle	4.05	9:17	8.35	8.01	31.73	26.89	7.99	11	0.268	SE	/
M3	20211116	Sunny	Moderate	Mid-Ebb	Bottom	7.1	9:16	8.60	8.24	31.16	26.64	8.14	10	0.268	E	/
M3	20211116	Sunny	Moderate	Mid-Ebb	Bottom	7.1	9:16	8.49	8.26	31.15	26.64	8.17	10	0.289	SE	/
M4	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:58	8.32	8.03	30.89	26.38	8.44	5	0.271	SE	/
M4	20211116	Sunny	Moderate	Mid-Ebb	Surface	1	9:58	8.74	8.05	31.24	27.04	8.53	5	0.284	SE	/
M4	20211116	Sunny	Moderate	Mid-Ebb	Bottom	4.2	9:56	8.23	8.08	31.63	27.03	8.66	7	0.266	E	/
M4	20211116	Sunny	Moderate	Mid-Ebb	Bottom	4.2	9:56	8.40	8.08	30.84	26.44	8.98	7	0.271	SE	/
C1	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	10:23	8.14	8.37	30.45	25.47	6.62	8	0.290	SE	/
C1	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	10:23	8.22	8.33	30.90	25.74	5.88	8	0.285	SE	/
C1	20211118	Cloudy	Moderate	Mid-Ebb	Middle	11.3	10:22	8.11	8.38	33.51	26.00	4.44	10	0.289	SE	/
C1	20211118	Cloudy	Moderate	Mid-Ebb	Middle	11.3	10:22	8.33	8.35	33.10	25.88	3.93	10	0.288	SE	/
C1	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	21.6	10:21	8.11	8.39	33.67	26.01	3.86	11	0.280	SE	/
C1	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	21.6	10:21	8.09	8.30	33.50	25.93	3.76	11	0.301	SE	/
C2	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	11:29	8.15	8.35	33.35	25.48	4.81	3	0.285	SE	/
C2	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	11:29	8.35	8.37	33.16	25.41	4.99	3	0.282	SE	/
C2	20211118	Cloudy	Moderate	Mid-Ebb	Middle	11.35	11:28	8.11	8.32	33.06	25.51	5.64	3	0.289	E	/
C2	20211118	Cloudy	Moderate	Mid-Ebb	Middle	11.35	11:28	8.14	8.37	33.17	25.50	5.56	4	0.300	E	/
C2	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	21.7	11:27	8.19	8.32	33.12	25.50	5.56	2.5	0.285	SE	/
C2	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	21.7	11:27	8.32	8.33	33.31	25.41	5.59	2.5	0.273	SE	/
M1	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	10:54	8.22	8.36	33.52	25.91	4.01	3	0.266	SE	/
M1	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	10:54	8.28	8.31	33.50	25.78	4.03	3	0.278	E	/
M1	20211118	Cloudy	Moderate	Mid-Ebb	Middle	3.2	10:53	8.18	8.32	33.32	25.87	4.21	8	0.275	SE	/
M1	20211118	Cloudy	Moderate	Mid-Ebb	Middle	3.2	10:53	8.18	8.35	33.55	25.66	4.22	8	0.265	SE	/
M1	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	10:52	8.19	8.36	33.38	25.88	4.48	2.5	0.290	E	/
M1	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	10:52	8.23	8.32	33.39	25.85	4.45	3	0.298	SE	/
M2	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	10:39	8.09	8.28	33.38	25.66	5.44	7	0.295	E	/
M2	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	10:39	8.21	8.26	32.77	25.78	4.99	7	0.278	SE	/
M2	20211118	Cloudy	Moderate	Mid-Ebb	Middle	6.7	10:38	8.68	8.33	32.28	25.95	4.38	3	0.299	SE	/
M2	20211118	Cloudy	Moderate	Mid-Ebb	Middle	6.7	10:38	8.27	8.30	32.46	25.88	4.44	3	0.266	SE	/
M2	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	12.4	10:37	8.49	8.37	33.06	25.98	5.33	2.5	0.269	SE	/
M2	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	12.4	10:37	8.38	8.24	33.34	25.74	5.58	3	0.284	SE	/
M3	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	11:13	8.32	8.39	32.74	25.97	4.72	7	0.300	SE	/
M3	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	11:13	8.13	8.35	32.44	25.94	4.80	7	0.274	SE	/
M3	20211118	Cloudy	Moderate	Mid-Ebb	Middle	4	11:12	8.08	8.33	32.69	25.97	5.15	4	0.283	E	/
M3	20211118	Cloudy	Moderate	Mid-Ebb	Middle	4	11:12	8.32	8.37	32.46	25.99	4.93	4	0.283	SE	/
M3	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	7	11:11	8.10	8.37	32.68	26.01	4.34	9	0.291	SE	/
M3	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	7	11:11	8.29	8.38	32.73	26.02	3.99	9	0.295	E	/
M4	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	11:55	8.16	8.29	33.43	25.85	4.90	5	0.288	SE	/
M4	20211118	Cloudy	Moderate	Mid-Ebb	Surface	1	11:55	8.23	8.35	33.41	25.90	4.61	4	0.270	E	/
M4	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	4.5	11:54	8.21	8.36	33.42	25.89	4.55	4	0.293	SE	/
M4	20211118	Cloudy	Moderate	Mid-Ebb	Bottom	4.5	11:54	8.16	8.38	33.31	25.88	4.94	4	0.296	E	/
C1	20211120	Sunny	Moderate	Mid-Ebb	Surface	1	0.46319	8.18	8.18	33.11	26.16	5.64	4	0.295	SE	/
C1	20211120	Sunny	Moderate	Mid-Ebb	Surface	1	0.46319	8.27	8.12	33.15	26.14	5.68	5	0.284	E	/
C1	20211120	Sunny	Moderate	Mid-Ebb	Middle	11.1	0.4625	8.61	8.27	33.23	25.97	5.86	4	0.299	SE	/
C1	20211120	Sunny	Moderate	Mid-Ebb	Middle	11.1	0.4625	8.7	8.28	33.19	26	5.99	4	0.27	SE	/
C1	20211120	Sunny	Moderate	Mid-Ebb	Bottom	21.2	0.46181	8.72	8.27	33.31	26.08	5.24	4	0.281	SE	/
C1	20211120	Sunny	Moderate	Mid-Ebb	Bottom	21.2	0.46181	8.73	8.29	33.24	26.05	5.3	4	0.29	E	/
C2	20211120	Sunny	Moderate	Mid-Ebb	Surface	1	0.50417	7.98	8.37	33.01	26.48	4.37	2	0.264	SE	/
C2	20211120	Sunny	Moderate	Mid-Ebb	Surface	1	0.50417	8.07	8.39	33.13	26.49	4.47	2	0.283	SE	/
C2	20211120	Sunny	Moderate	Mid-Ebb	Middle	11.4	0.50347	9.02	8.33	33.17	26.61	4.13	4	0.265	E	/
C2	20211120	Sunny	Moderate	Mid-Ebb	Middle	11.4	0.50347	7.99	8.38	33.07	26.47	4.2	5	0.295	E	/
C2	20211120	Sunny	Moderate	Mid-Ebb	Bottom	21.8	0.50278	8.14	8.16	33.17	26.25	4.8	6	0.286	E	/
C2	20211120	Sunny	Moderate	Mid-Ebb	Bottom	21.8	0.50278	8.28	8.17	33.17	26.23	4.68	6	0.299	E	/
M1	20211120	Sunny	Moderate	Mid-Ebb	Surface	1	0.48333	8.07	8.3	33.05	26.22	3.76	3	0.275	SE	/
M1	20211120	Sunny	Moderate	Mid-Ebb	Surface	1	0.48333	9.29	8.34	32.48	26.31	3.83	3	0.276	E	/
M1	20211120	Sunny	Moderate	Mid-Ebb	Middle	3.25	0.48264	8.24	8.34	33.1	26.3	3.73	3	0.267	SE	/
M1	20211120	Sunny	Moderate	Mid-Ebb	Middle	3.25	0.48264	8.14	8.32	33.06	26.3	3.52	3	0.293	SE	/
M1	20211120	Sunny	Moderate	Mid-Ebb	Bottom	5.5	0.48194	8.05	8.33	33.08	26.44	3.23	5	0.286	SE	/
M1	20211120	Sunny	Moderate	Mid-Ebb	Bottom	5.5</										

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	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.52778	8.24	8.18	32.13	25.82	4.79	4	0.276	SE	/
C1	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.52778	8.12	8.16	31.89	25.84	4.79	7	0.268	SE	/
C1	20211123	Cloudy	Moderate	Mid-Ebb	Middle	10.7	0.52708	8.3	8.16	31.59	25.55	5.38	10	0.369	SE	/
C1	20211123	Cloudy	Moderate	Mid-Ebb	Middle	10.7	0.52708	8.46	8.2	31.73	25.56	5.27	10	0.294	E	/
C1	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	20.4	0.52639	8.42	8.19	31.77	25.52	5.74	10	0.271	SE	/
C1	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	20.4	0.52639	8.3	8.21	31.73	25.47	5.6	10	0.287	E	/
C2	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.57222	9.16	8.4	32.18	25.59	4.35	6	0.264	SE	/
C2	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.57222	9.12	8.4	32	25.55	4.59	5	0.289	E	/
C2	20211123	Cloudy	Moderate	Mid-Ebb	Middle	11.4	0.57153	8.89	8.28	31.5	25.74	4.36	4	0.271	SE	/
C2	20211123	Cloudy	Moderate	Mid-Ebb	Middle	11.4	0.57153	9.19	8.41	32.05	25.6	4.51	5	0.289	SE	/
C2	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	21.8	0.57083	9.27	8.33	32.55	25.68	5.05	4	0.287	E	/
C2	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	21.8	0.57083	9.24	8.28	32.4	25.59	5.01	5	0.28	SE	/
M1	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.55	8.03	8.34	32.93	25.66	4.66	4	0.276	SE	/
M1	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.55	9.06	8.48	32.49	25.66	4.55	4	0.294	SE	/
M1	20211123	Cloudy	Moderate	Mid-Ebb	Middle	3.75	0.54931	8.05	8.38	32.92	25.59	5.29	7	0.297	SE	/
M1	20211123	Cloudy	Moderate	Mid-Ebb	Middle	3.75	0.54931	8.06	8.33	32.82	25.67	5.37	7	0.296	SE	/
M1	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	6.5	0.54861	8.19	8.22	32.37	25.72	4.7	3	0.283	SE	/
M1	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	6.5	0.54861	8.16	8.37	32.81	25.56	4.73	4	0.301	SE	/
M2	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.53819	8.14	8.23	32.45	25.8	5.55	4	0.287	E	/
M2	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.53819	8.18	8.21	32.5	25.85	5.67	5	0.295	E	/
M2	20211123	Cloudy	Moderate	Mid-Ebb	Middle	6.2	0.5375	8.05	8.43	31.28	25.55	4.93	5	0.268	E	/
M2	20211123	Cloudy	Moderate	Mid-Ebb	Middle	6.2	0.5375	8.29	8.23	32.36	25.79	4.9	5	0.29	SE	/
M2	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	0.53681	8.37	8.17	31.93	25.79	3.94	5	0.274	SE	/
M2	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	0.53681	8.33	8.15	32.03	25.72	4.02	6	0.294	SE	/
M3	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.56042	9.2	8.3	32.42	25.6	4.79	5	0.28	E	/
M3	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.56042	9.17	8.31	32.54	25.56	4.82	3	0.295	E	/
M3	20211123	Cloudy	Moderate	Mid-Ebb	Middle	3.7	0.55972	9.24	8.32	31.86	25.69	4.42	7	0.295	SE	/
M3	20211123	Cloudy	Moderate	Mid-Ebb	Middle	3.7	0.55972	9.31	8.36	31.99	25.78	4.5	7	0.274	E	/
M3	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	0.55903	9.29	8.35	31.97	25.71	5.09	9	0.282	SE	/
M3	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	0.55903	9.35	8.34	31.83	25.79	5.27	9	0.291	SE	/
M4	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.59028	9.11	8.44	31.56	25.71	3.87	9	0.267	E	/
M4	20211123	Cloudy	Moderate	Mid-Ebb	Surface	1	0.59028	8.11	8.17	31.93	25.59	3.74	9	0.278	SE	/
M4	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	4.6	0.58958	9.08	8.43	32.09	25.5	4.34	9	0.282	SE	/
M4	20211123	Cloudy	Moderate	Mid-Ebb	Bottom	4.6	0.58958	8.99	8.45	31.59	25.68	4.29	9	0.293	SE	/
C1	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.57431	9.14	8.43	32.61	24.75	5.88	7	0.289	E	/
C1	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.57431	9.09	8.51	32.57	25.44	5.5	7	0.283	SE	/
C1	20211125	Sunny	Moderate	Mid-Ebb	Middle	9.95	0.57361	7.98	8.42	32.14	25.8	6.66	2.5	0.297	SE	/
C1	20211125	Sunny	Moderate	Mid-Ebb	Middle	9.95	0.57361	8.05	8.45	32.19	24.85	6.29	4	0.291	E	/
C1	20211125	Sunny	Moderate	Mid-Ebb	Bottom	18.9	0.57292	7.94	8.49	32.19	25.11	6.18	4	0.263	SE	/
C1	20211125	Sunny	Moderate	Mid-Ebb	Bottom	18.9	0.57292	8.04	8.43	32.03	25.71	6.25	7	0.287	SE	/
C2	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.61806	8.12	8.42	31.84	25.06	5.82	3	0.293	SE	/
C2	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.61806	8.21	8.42	31.92	25.72	5.63	3	0.289	E	/
C2	20211125	Sunny	Moderate	Mid-Ebb	Middle	12.25	0.61736	9.35	8.35	33.33	25.26	4.22	3	0.286	SE	/
C2	20211125	Sunny	Moderate	Mid-Ebb	Middle	12.25	0.61736	8.14	8.36	31.96	24.55	4.25	4	0.265	SE	/
C2	20211125	Sunny	Moderate	Mid-Ebb	Bottom	23.5	0.61667	9.23	8.5	32.49	25.48	4.99	3	0.287	SE	/
C2	20211125	Sunny	Moderate	Mid-Ebb	Bottom	23.5	0.61667	9.23	8.52	32.74	25.09	4.91	3	0.273	E	/
M1	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.59583	8.77	8.37	33.4	24.58	4.98	5	0.267	SE	/
M1	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.59583	9.05	8.24	32.31	25.78	5.23	4	0.266	SE	/
M1	20211125	Sunny	Moderate	Mid-Ebb	Middle	3.6	0.59514	8.88	8.37	33.44	25.55	5.29	4	0.299	SE	/
M1	20211125	Sunny	Moderate	Mid-Ebb	Middle	3.6	0.59514	8.74	8.31	33.41	25.32	5.4	5	0.293	SE	/
M1	20211125	Sunny	Moderate	Mid-Ebb	Bottom	6.2	0.59444	8.06	8.38	31.78	25.9	3.73	3	0.289	SE	/
M1	20211125	Sunny	Moderate	Mid-Ebb	Bottom	6.2	0.59444	8.77	8.35	33.4	25.15	3.91	4	0.284	E	/
M2	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.58611	8.79	8.34	33.44	25.3	4.47	4	0.301	SE	/
M2	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.58611	8.79	8.34	33.63	25.27	4.79	3	0.292	SE	/
M2	20211125	Sunny	Moderate	Mid-Ebb	Middle	6.65	0.58542	7.96	8.29	33.2	24.58	4.77	4	0.283	SE	/
M2	20211125	Sunny	Moderate	Mid-Ebb	Middle	6.65	0.58542	7.92	8.3	33.33	24.89	4.93	3	0.285	SE	/
M2	20211125	Sunny	Moderate	Mid-Ebb	Bottom	12.3	0.58472	7.98	8.31	33.2	25.44	5.06	4	0.265	SE	/
M2	20211125	Sunny	Moderate	Mid-Ebb	Bottom	12.3	0.58472	8.03	8.23	33.2	25.56	5.43	5	0.279	E	/
M3	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.60625	9.18	8.29	33.47	24.6	4.59	3	0.273	E	/
M3	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.60625	9.2	8.26	33.67	25.7	4.41	4	0.282	E	/
M3	20211125	Sunny	Moderate	Mid-Ebb	Middle	3.7	0.60556	8.29	8.49	33.04	24.83	3.96	2.5	0.263	SE	/
M3	20211125	Sunny	Moderate	Mid-Ebb	Middle	3.7	0.60556	9.21	8.25	33.58	24.53	3.94	3	0.292	SE	/
M3	20211125	Sunny	Moderate	Mid-Ebb	Bottom	6.4	0.60486	8.63	8.32	33.56	24.76	5.5	4	0.301	E	/
M3	20211125	Sunny	Moderate	Mid-Ebb	Bottom	6.4	0.60486	8.74	8.34	33.62	25.23	5.28	4	0.283	SE	/
M4	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.63403	9.3	8.44	33.69	25.38	4.94	3	0.283	E	/
M4	20211125	Sunny	Moderate	Mid-Ebb	Surface	1	0.63403	8.78	8.37	33.4	24.53	5.32	3	0.282	E	/
M4	20211125	Sunny	Moderate	Mid-Ebb	Bottom	4.5	0.63333	9.24	8.25	33.7	25.26	3.98	3	0.287	E	/
M4	20211125	Sunny	Moderate	Mid-Ebb	Bottom	4.5	0.63333	9.3	8.46	33.54	24.53	4.29	4	0.284	SE	/
C1	20211127	Sunny	Moderate	Mid-Ebb	Surface	1	0.67639	8.48	8.04	28.93	25.44	6.02	3	0.288	E	/
C1	20211127	Sunny	Moderate	Mid-Ebb	Surface	1	0.67639	8.45	8.05	29.28	25.46	6.33	5	0.276	E	/
C1	20211127	Sunny	Moderate	Mid-Ebb	Middle	11.15	0.67569	8.26	8.04	29.37	25.4	5.81	3	0.281	E	/
C1	20211127	Sunny	Moderate	Mid-Ebb	Middle	11.15	0.67569	8.2	8.03	29.58	25.41	5.93	3	0.276	SE	/
C1	20211127	Sunny	Moderate	Mid-Ebb	Bottom	21.3	0.675	8.2	8.01	29.43	25.32	5.52	4	0.28	E	/
C1	20211127	Sunny	Moderate	Mid-Ebb	Bottom	21.3	0.675	8.34	8.06	29.72	25.3	5.46	3	0.273	E	/
C2	20211127	Sunny	Moderate	Mid-Ebb	Surface	1	0.72014	8.05	8.19	29.28	25.34	4.2	7	0.266	SE	/
C2	20211127	Sunny	Moderate	Mid-Ebb	Surface	1	0.72014	8.05	8.22	29.01	25.27	4.1	7	0.276	E	/
C2	20211127	Sunny	Moderate	Mid-Ebb	Middle	12.25	0.71944	9.19	8.14	30.64	25.46	4.37	4	0.275	SE	/
C2	20211127	Sunny	Moderate	Mid-Ebb	Middle	12.25	0.71944	8.21	8.21	28.96	25.3	4.29	5	0.277	SE	/
C2	20211127	Sunny	Moderate	Mid-Ebb	Bottom	23.5	0.71875	8.42	8.01	28.99	25.46	4.22	3	0.292	SE	/
C2	20211127	Sunny	Moderate	Mid-Ebb	Bottom	23.5	0.71875	8.42	8.09	29.31	25.41	4.18	3	0.277	E	/
M1	20211127	Sunny	Moderate	Mid-Ebb	Surface	1	0.69792	8.86	7.99	29.65	25.6	5.44	3	0.287	SE	/
M1	20211127	Sunny	Moderate	Mid-Ebb	Surface	1	0.69792	8.3	8.19	29.82	25.51	5.35	3	0.281	SE	/
M1	20211127	Sunny	Moderate	Mid-Ebb	Middle	3.65	0.69722	8.88	8.02	29.76	25.62	3.37	7	0.277	SE	/
M1	20211127	Sunny	Moderate	Mid-Ebb	Middle	3.65	0.69722	8.84	7.98	29.58	25.6	3.27	7	0.275	E	/
M1	20211127	Sunny	Moderate	Mid-Ebb	Bottom	6.3	0.69653	8.19	8.21	29						

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	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.37639	8.49	8.15	31.78	25.2	5.74	4	0.296	E	/
C1	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.37639	8.53	8.14	31.86	25.2	5.53	3	0.29	SE	/
C1	20211130	Sunny	Moderate	Mid-Ebb	Middle	10.15	0.37569	9.01	8.1	30.6	25.26	4.96	4	0.267	E	/
C1	20211130	Sunny	Moderate	Mid-Ebb	Middle	10.15	0.37569	9.06	8.11	30.56	25.36	5.09	4	0.299	E	/
C1	20211130	Sunny	Moderate	Mid-Ebb	Bottom	19.3	0.375	8.92	8.12	30.6	25.23	4.45	4	0.267	SE	/
C1	20211130	Sunny	Moderate	Mid-Ebb	Bottom	19.3	0.375	9.07	8.08	30.66	25.3	4.36	4	0.289	SE	/
C2	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.41111	7.98	8.16	31.91	25.17	3.59	5	0.301	SE	/
C2	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.41111	8.13	8.19	31.89	25.08	3.44	4	0.264	E	/
C2	20211130	Sunny	Moderate	Mid-Ebb	Middle	11.35	0.41042	8.62	8.12	31.54	25.45	5.02	4	0.282	E	/
C2	20211130	Sunny	Moderate	Mid-Ebb	Middle	11.35	0.41042	8.01	8.21	31.85	25.12	4.97	5	0.289	E	/
C2	20211130	Sunny	Moderate	Mid-Ebb	Bottom	21.7	0.40972	8.42	8.15	31.78	25.1	4.38	4	0.301	SE	/
C2	20211130	Sunny	Moderate	Mid-Ebb	Bottom	21.7	0.40972	8.4	8.12	31.74	25.24	4.19	3	0.295	E	/
M1	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.39444	8.94	8.25	31.85	25.44	3.62	4	0.27	SE	/
M1	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.39444	8.3	8.25	31.71	25.26	4.02	4	0.285	SE	/
M1	20211130	Sunny	Moderate	Mid-Ebb	Middle	3.35	0.39375	9.07	8.3	31.9	25.3	3.45	5	0.266	SE	/
M1	20211130	Sunny	Moderate	Mid-Ebb	Middle	3.35	0.39375	8.89	8.27	31.88	25.28	3.3	4	0.297	SE	/
M1	20211130	Sunny	Moderate	Mid-Ebb	Bottom	5.7	0.39306	8.06	8.17	31.87	25.24	2.69	11	0.299	E	/
M1	20211130	Sunny	Moderate	Mid-Ebb	Bottom	5.7	0.39306	9.06	8.3	31.9	25.28	2.95	11	0.275	E	/
M2	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.38542	9.12	8.13	30.99	25.35	4.92	5	0.281	SE	/
M2	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.38542	9.04	8.15	31.04	25.33	4.84	4	0.299	SE	/
M2	20211130	Sunny	Moderate	Mid-Ebb	Middle	6.35	0.38472	8.99	8.14	30.99	25.23	3.43	8	0.271	SE	/
M2	20211130	Sunny	Moderate	Mid-Ebb	Middle	6.35	0.38472	9.15	8.15	30.99	25.27	3.7	8	0.294	SE	/
M2	20211130	Sunny	Moderate	Mid-Ebb	Bottom	11.7	0.38403	9.06	8.14	31	25.22	3.46	5	0.293	SE	/
M2	20211130	Sunny	Moderate	Mid-Ebb	Bottom	11.7	0.38403	9	8.16	30.99	25.36	3.16	5	0.267	E	/
M3	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.40208	8.91	8.35	30.54	25.35	4.8	6	0.265	E	/
M3	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.40208	8.88	8.31	30.47	25.38	4.99	6	0.294	E	/
M3	20211130	Sunny	Moderate	Mid-Ebb	Middle	3.95	0.40139	8.82	8.38	31.96	25.39	3.07	4	0.266	E	/
M3	20211130	Sunny	Moderate	Mid-Ebb	Middle	3.95	0.40139	8.72	8.34	30.56	25.22	2.8	4	0.285	SE	/
M3	20211130	Sunny	Moderate	Mid-Ebb	Bottom	6.9	0.40069	9.19	8.18	31	25.44	4.35	6	0.275	SE	/
M3	20211130	Sunny	Moderate	Mid-Ebb	Bottom	6.9	0.40069	9.16	8.13	31.09	25.36	4.13	6	0.294	SE	/
M4	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.42708	8.42	8.11	31.26	25.41	3.02	4	0.294	E	/
M4	20211130	Sunny	Moderate	Mid-Ebb	Surface	1	0.42708	8.46	8.17	31.26	25.24	2.82	4	0.301	SE	/
M4	20211130	Sunny	Moderate	Mid-Ebb	Bottom	4.5	0.42639	8.72	8.33	30.51	25.31	2.87	4	0.273	E	/
M4	20211130	Sunny	Moderate	Mid-Ebb	Bottom	4.5	0.42639	8.39	8.09	31.31	25.29	2.7	4	0.269	E	/

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	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:58	8.05	8.36	32.93	27.68	4.93	4	0.279	E	/
C1	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:58	8.06	8.35	33.01	27.72	4.68	6	0.277	E	/
C1	20211102	Cloudy	moderate	Mid-Flood	Middle	9.9	15:57	8.05	8.20	31.78	28.30	3.78	4	0.279	E	/
C1	20211102	Cloudy	moderate	Mid-Flood	Middle	9.9	15:57	8.16	8.14	31.80	28.33	4.05	4	0.291	SE	/
C1	20211102	Cloudy	moderate	Mid-Flood	Bottom	18.8	15:56	8.11	8.19	31.65	28.25	4.70	5	0.268	SE	/
C1	20211102	Cloudy	moderate	Mid-Flood	Bottom	18.8	15:56	8.10	8.16	31.70	28.28	4.97	5	0.295	SE	/
C2	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:00	8.05	8.24	32.48	28.09	5.23	8	0.309	SE	/
C2	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:00	8.17	8.26	32.57	28.12	4.69	8	0.272	SE	/
C2	20211102	Cloudy	moderate	Mid-Flood	Middle	12.35	14:59	8.25	8.28	32.10	27.98	5.71	5	0.263	SE	/
C2	20211102	Cloudy	moderate	Mid-Flood	Middle	12.35	14:59	8.13	8.22	32.44	28.08	5.02	5	0.288	SE	/
C2	20211102	Cloudy	moderate	Mid-Flood	Bottom	23.7	14:58	8.18	8.19	32.91	27.71	5.65	12	0.286	SE	/
C2	20211102	Cloudy	moderate	Mid-Flood	Bottom	23.7	14:58	8.20	8.22	33.06	27.67	5.05	12	0.271	E	/
M1	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:27	8.02	8.33	32.66	28.32	4.98	5	0.270	SE	/
M1	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:27	8.16	8.09	32.59	27.52	4.91	5	0.268	E	/
M1	20211102	Cloudy	moderate	Mid-Flood	Middle	3.35	15:26	8.00	8.39	32.73	28.33	5.04	6	0.290	E	/
M1	20211102	Cloudy	moderate	Mid-Flood	Middle	3.35	15:26	8.13	8.37	32.64	28.22	4.88	4	0.264	SE	/
M1	20211102	Cloudy	moderate	Mid-Flood	Bottom	5.7	15:25	8.06	8.25	32.54	28.11	5.49	8	0.289	SE	/
M1	20211102	Cloudy	moderate	Mid-Flood	Bottom	5.7	15:25	8.14	8.29	32.75	28.21	5.33	8	0.265	SE	/
M2	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:43	8.81	8.22	31.24	27.96	4.03	2.5	0.291	SE	/
M2	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:43	8.79	8.20	31.21	27.97	3.68	2.5	0.284	SE	/
M2	20211102	Cloudy	moderate	Mid-Flood	Middle	6.2	15:42	9.10	8.12	31.77	28.20	4.00	6	0.302	SE	/
M2	20211102	Cloudy	moderate	Mid-Flood	Middle	6.2	15:42	9.15	8.09	31.77	28.09	3.76	5	0.284	E	/
M2	20211102	Cloudy	moderate	Mid-Flood	Bottom	11.4	15:41	9.14	8.08	31.76	28.18	4.07	3	0.298	SE	/
M2	20211102	Cloudy	moderate	Mid-Flood	Bottom	11.4	15:41	8.98	8.14	31.87	28.21	3.72	3	0.294	E	/
M3	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:13	9.07	8.30	32.54	27.81	3.99	5	0.295	SE	/
M3	20211102	Cloudy	moderate	Mid-Flood	Surface	1	15:13	8.94	8.27	32.47	27.70	3.80	5	0.293	SE	/
M3	20211102	Cloudy	moderate	Mid-Flood	Middle	3.5	15:12	8.11	8.11	31.75	27.88	3.97	4	0.297	E	/
M3	20211102	Cloudy	moderate	Mid-Flood	Middle	3.5	15:12	9.09	8.34	32.49	27.76	3.96	2.5	0.275	E	/
M3	20211102	Cloudy	moderate	Mid-Flood	Bottom	6	15:11	8.76	8.04	31.39	27.87	3.89	4	0.273	SE	/
M3	20211102	Cloudy	moderate	Mid-Flood	Bottom	6	15:11	9.12	8.14	31.23	27.96	3.74	3	0.284	SE	/
M4	20211102	Cloudy	moderate	Mid-Flood	Surface	1	16:15	8.15	8.23	32.41	27.50	3.32	5	0.306	SE	/
M4	20211102	Cloudy	moderate	Mid-Flood	Surface	1	16:15	8.39	8.11	31.35	27.97	3.06	4	0.300	SE	/
M4	20211102	Cloudy	moderate	Mid-Flood	Bottom	4.5	16:14	8.86	8.16	32.41	27.72	4.75	3	0.279	E	/
M4	20211102	Cloudy	moderate	Mid-Flood	Bottom	4.5	16:14	8.13	8.19	32.58	27.47	4.08	3	0.265	SE	/
C1	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	17:03	8.01	8.41	32.07	28.30	8.96	8	0.295	SE	/
C1	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	17:03	7.99	8.35	32.15	28.36	8.77	8	0.265	SE	/
C1	20211104	Cloudy	Moderate	Mid-Flood	Middle	10.05	17:02	8.16	8.28	32.76	28.23	10.40	10	0.304	E	/
C1	20211104	Cloudy	Moderate	Mid-Flood	Middle	10.05	17:02	8.30	8.29	32.73	28.12	9.86	8	0.307	E	/
C1	20211104	Cloudy	Moderate	Mid-Flood	Bottom	19.1	17:01	8.22	8.33	32.58	28.09	10.10	7	0.295	E	/
C1	20211104	Cloudy	Moderate	Mid-Flood	Bottom	19.1	17:01	8.16	8.31	32.78	28.09	10.30	8	0.297	SE	/
C2	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	15:58	8.70	8.17	32.07	28.32	11.40	9	0.296	E	/
C2	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	15:58	8.83	8.12	32.10	28.19	11.90	9	0.310	SE	/
C2	20211104	Cloudy	Moderate	Mid-Flood	Middle	12	15:57	8.17	8.19	31.85	28.29	12.80	9	0.300	E	/
C2	20211104	Cloudy	Moderate	Mid-Flood	Middle	12	15:57	8.61	8.15	31.94	28.35	13.30	9	0.270	SE	/
C2	20211104	Cloudy	Moderate	Mid-Flood	Bottom	23	15:56	7.97	8.35	32.03	28.26	13.60	8	0.295	SE	/
C2	20211104	Cloudy	Moderate	Mid-Flood	Bottom	23	15:56	8.02	8.36	31.99	28.35	13.50	8	0.288	E	/
M1	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	16:25	8.20	8.31	31.39	28.21	8.74	6	0.301	SE	/
M1	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	16:25	8.00	8.24	32.66	28.04	8.13	8	0.294	E	/
M1	20211104	Cloudy	Moderate	Mid-Flood	Middle	3.25	16:24	8.21	8.36	31.45	28.12	8.96	7	0.299	E	/
M1	20211104	Cloudy	Moderate	Mid-Flood	Middle	3.25	16:24	7.93	8.38	31.47	28.24	9.07	8	0.306	E	/
M1	20211104	Cloudy	Moderate	Mid-Flood	Bottom	5.5	16:23	8.56	8.10	32.10	28.33	8.85	8	0.271	E	/
M1	20211104	Cloudy	Moderate	Mid-Flood	Bottom	5.5	16:23	8.04	8.33	31.50	28.20	8.76	7	0.275	SE	/
M2	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	16:45	9.03	8.35	32.73	28.00	11.10	5	0.264	SE	/
M2	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	16:45	8.97	8.37	32.71	28.00	10.80	7	0.273	SE	/
M2	20211104	Cloudy	Moderate	Mid-Flood	Middle	6.95	16:44	8.32	8.31	32.30	28.12	9.55	7	0.303	SE	/
M2	20211104	Cloudy	Moderate	Mid-Flood	Middle	6.95	16:44	8.43	8.30	32.41	28.18	9.97	7	0.303	SE	/
M2	20211104	Cloudy	Moderate	Mid-Flood	Bottom	12.9	16:43	8.38	8.34	32.29	28.08	10.80	7	0.296	SE	/
M2	20211104	Cloudy	Moderate	Mid-Flood	Bottom	12.9	16:43	8.17	8.37	32.31	28.07	10.30	9	0.286	E	/
M3	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	16:12	7.97	8.21	32.05	28.10	9.73	5	0.284	SE	/
M3	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	16:12	8.08	8.24	31.93	28.03	9.05	5	0.287	E	/
M3	20211104	Cloudy	Moderate	Mid-Flood	Middle	4.05	16:11	8.03	8.18	32.30	28.13	9.99	9	0.268	SE	/
M3	20211104	Cloudy	Moderate	Mid-Flood	Middle	4.05	16:11	8.08	8.21	32.07	28.03	9.87	7	0.311	E	/
M3	20211104	Cloudy	Moderate	Mid-Flood	Bottom	7.1	16:10	8.88	8.35	32.73	28.00	10.60	9	0.296	SE	/
M3	20211104	Cloudy	Moderate	Mid-Flood	Bottom	7.1	16:10	8.82	8.35	32.72	28.07	10.20	8	0.276	SE	/
M4	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	17:20	8.83	8.19	32.02	28.29	9.70	7	0.289	SE	/
M4	20211104	Cloudy	Moderate	Mid-Flood	Surface	1	17:20	8.64	8.16	31.89	28.18	9.88	8	0.284	E	/
M4	20211104	Cloudy	Moderate	Mid-Flood	Bottom	4.3	17:19	7.97	8.22	31.99	28.02	11.10	6	0.306	E	/
M4	20211104	Cloudy	Moderate	Mid-Flood	Bottom	4.3	17:19	8.79	8.13	32.01	28.13	10.30	8	0.286	E	/
C1	20211106	Sunny	Moderate	Mid-Flood	Surface	1	9:01	8.59	8.21	30.70	27.31	5.83	5	0.307	E	/
C1	20211106	Sunny	Moderate	Mid-Flood	Surface	1	9:01	8.62	8.20	30.78	27.30	6.18	8	0.278	SE	/
C1	20211106	Sunny	Moderate	Mid-Flood	Middle	10.6	9:00	8.67	8.44	32.41	27.47	6.07	9	0.299	E	/
C1	20211106	Sunny	Moderate	Mid-Flood	Middle	10.6	9:00	8.68	8.43	32.31	27.46	5.97	7	0.289	E	/
C1	20211106	Sunny	Moderate	Mid-Flood	Bottom	20.2	8:59	8.60	8.37	32.40	27.42	6.35	7	0.303	SE	/
C1	20211106	Sunny	Moderate	Mid-Flood	Bottom	20.2	8:59	8.73	8.39	32.33	27.42	6.02	7	0.305	SE	/
C2	20211106	Sunny	Moderate	Mid-Flood	Surface	1	8:02	8.37	8.43	31.38	27.42	7.78	9	0.288	SE	/
C2	20211106	Sunny	Moderate	Mid-Flood	Surface	1	8:02	8.33	8.42	31.34	27.40	8.17	10	0.264	E	/
C2	20211106	Sunny	Moderate	Mid-Flood	Middle	10.95	8:01	9.23	8.26	32.46	27.25	7.78	8	0.283	E	/
C2	20211106	Sunny	Moderate	Mid-Flood	Middle	10.95	8:01	8.32	8.38	31.37	27.33	7.25	9	0.276	SE	/
C2	20211106	Sunny	Moderate	Mid-Flood	Bottom	20.9	8:00	8.63	8.23	30.71	27.30	8.06	10	0.268	SE	/
C2	20211106	Sunny	Moderate	Mid-Flood	Bottom	20.9	8:00	8.59	8.27	30.79	27.27	7.90	7	0.272	SE	/
M1	20211106	Sunny	Moderate	Mid-Flood	Surface	1	8:30	8.99	8.24	31.25	27.39	5.78	8	0.308	SE	/
M1	20211106	Sunny	Moderate	Mid-Flood	Surface	1	8:30	8.88	8.22	31.34	27.49	5.87	8	0.278	SE	/
M1	20211106	Sunny	Moderate	Mid-Flood	Middle	3.65	8:29	9.07	8.25	31.23	27.37	6.05	8	0.295	SE	/
M1	20211106	Sunny	Moderate	Mid-Flood	Middle	3.65	8:29	8.98	8.23	31.09	27.39	5.69	8	0.295	E	/
M1	20211106	Sunny	Moderate	Mid-Flood	Bottom	6.3	8:28	8.40	8.38	31.47	27.35	6.14	7	0.273	SE	/
M1	20211106	S														

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
C1	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	10:13	8.10	8.24	32.23	27.43	10.20	5	0.263	SE	/
C1	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	10:13	8.23	8.30	32.28	27.38	10.50	7	0.274	SE	/
C1	20221109	Cloudy	Moderate	Mid-Flood	Middle	9.55	10:12	8.83	8.12	32.30	27.50	9.78	12	0.288	E	/
C1	20221109	Cloudy	Moderate	Mid-Flood	Middle	9.55	10:12	8.77	8.03	32.11	27.45	9.73	12	0.269	E	/
C1	20221109	Cloudy	Moderate	Mid-Flood	Bottom	18.1	10:11	8.82	8.11	32.38	27.51	9.23	16	0.264	SE	/
C1	20221109	Cloudy	Moderate	Mid-Flood	Bottom	18.1	10:11	8.93	8.02	32.15	27.48	9.31	16	0.302	E	/
C2	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	8:53	8.64	7.96	33.48	27.37	12.60	11	0.286	E	/
C2	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	8:53	8.50	7.98	33.43	27.41	12.20	11	0.285	E	/
C2	20221109	Cloudy	Moderate	Mid-Flood	Middle	12.9	8:52	8.68	8.06	32.95	27.33	10.50	13	0.296	SE	/
C2	20221109	Cloudy	Moderate	Mid-Flood	Middle	12.9	8:52	8.59	8.01	33.54	27.49	11.30	13	0.309	E	/
C2	20221109	Cloudy	Moderate	Mid-Flood	Bottom	24.8	8:51	8.13	8.30	32.21	27.33	11.20	14	0.303	E	/
C2	20221109	Cloudy	Moderate	Mid-Flood	Bottom	24.8	8:51	8.25	8.28	32.20	27.47	10.60	12	0.304	SE	/
M1	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	9:32	8.60	8.07	32.25	27.43	9.78	7	0.263	SE	/
M1	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	9:32	8.52	8.23	33.02	27.45	8.66	5	0.263	E	/
M1	20221109	Cloudy	Moderate	Mid-Flood	Middle	3.35	9:31	8.65	8.05	32.19	27.37	9.62	9	0.285	SE	/
M1	20221109	Cloudy	Moderate	Mid-Flood	Middle	3.35	9:31	8.64	8.09	32.27	27.40	9.59	9	0.280	SE	/
M1	20221109	Cloudy	Moderate	Mid-Flood	Bottom	5.7	9:30	8.61	8.01	33.35	27.40	9.42	9	0.271	E	/
M1	20221109	Cloudy	Moderate	Mid-Flood	Bottom	5.7	9:30	8.65	8.00	32.22	27.54	9.42	11	0.289	E	/
M2	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	9:54	7.97	7.98	32.64	27.49	9.22	10	0.291	E	/
M2	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	9:54	8.08	8.01	32.63	27.47	9.45	10	0.296	SE	/
M2	20221109	Cloudy	Moderate	Mid-Flood	Middle	6.35	9:53	8.09	8.18	32.38	27.44	8.91	6	0.281	E	/
M2	20221109	Cloudy	Moderate	Mid-Flood	Middle	6.35	9:53	7.99	8.16	32.57	27.41	9.14	5	0.278	SE	/
M2	20221109	Cloudy	Moderate	Mid-Flood	Bottom	11.7	9:52	7.99	8.21	32.56	27.36	9.34	6	0.309	E	/
M2	20221109	Cloudy	Moderate	Mid-Flood	Bottom	11.7	9:52	8.03	8.17	32.39	27.47	9.32	6	0.267	E	/
M3	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	9:17	8.05	8.23	33.46	27.38	9.27	5	0.310	E	/
M3	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	9:17	8.02	8.17	33.51	27.50	8.98	4	0.271	SE	/
M3	20221109	Cloudy	Moderate	Mid-Flood	Middle	3.75	9:16	8.12	8.11	33.51	27.42	10.00	2.5	0.294	SE	/
M3	20221109	Cloudy	Moderate	Mid-Flood	Middle	3.75	9:16	8.01	8.23	33.32	27.53	9.16	2.5	0.308	E	/
M3	20221109	Cloudy	Moderate	Mid-Flood	Bottom	6.5	9:15	8.07	8.07	32.70	27.49	9.19	3	0.280	SE	/
M3	20221109	Cloudy	Moderate	Mid-Flood	Bottom	6.5	9:15	7.98	8.00	32.77	27.41	9.11	4	0.295	E	/
M4	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	10:40	8.81	8.08	32.41	27.38	9.95	7	0.277	SE	/
M4	20221109	Cloudy	Moderate	Mid-Flood	Surface	1	10:40	8.30	8.08	32.21	27.33	9.66	7	0.307	E	/
M4	20221109	Cloudy	Moderate	Mid-Flood	Bottom	4.2	10:38	7.96	8.21	33.44	27.42	8.89	9	0.286	E	/
M4	20221109	Cloudy	Moderate	Mid-Flood	Bottom	4.2	10:38	8.93	8.17	32.32	27.54	8.87	9	0.284	SE	/
C1	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:50	9.11	8.17	31.79	27.01	6.89	5	0.263	E	/
C1	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:50	8.98	8.12	31.66	27.10	7.07	5	0.310	E	/
C1	20221111	Cloudy	Moderate	Mid-Flood	Middle	9.85	11:49	8.39	8.19	31.55	27.02	7.75	7	0.283	SE	/
C1	20221111	Cloudy	Moderate	Mid-Flood	Middle	9.85	11:49	8.34	8.13	31.56	27.01	7.62	5	0.271	SE	/
C1	20221111	Cloudy	Moderate	Mid-Flood	Bottom	18.7	11:48	8.26	8.12	31.57	27.03	7.39	4	0.268	E	/
C1	20221111	Cloudy	Moderate	Mid-Flood	Bottom	18.7	11:48	8.24	8.15	31.63	27.01	7.51	4	0.294	SE	/
C2	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	10:52	8.30	8.27	31.90	27.01	7.63	10	0.285	E	/
C2	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	10:52	8.24	8.28	31.79	26.98	7.47	9	0.279	SE	/
C2	20221111	Cloudy	Moderate	Mid-Flood	Middle	11.05	10:51	9.02	8.12	31.95	27.00	7.33	6	0.309	SE	/
C2	20221111	Cloudy	Moderate	Mid-Flood	Middle	11.05	10:51	8.28	8.19	31.91	26.98	7.48	8	0.286	SE	/
C2	20221111	Cloudy	Moderate	Mid-Flood	Bottom	21.1	10:50	9.00	8.08	31.53	27.08	7.71	9	0.296	SE	/
C2	20221111	Cloudy	Moderate	Mid-Flood	Bottom	21.1	10:50	8.99	8.10	31.60	27.11	7.55	9	0.263	E	/
M1	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:22	9.11	8.27	31.73	27.06	6.98	6	0.263	E	/
M1	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:22	9.15	8.29	32.53	27.02	6.84	6	0.285	E	/
M1	20221111	Cloudy	Moderate	Mid-Flood	Middle	4.5	11:21	9.32	8.30	31.48	27.07	8.16	8	0.263	SE	/
M1	20221111	Cloudy	Moderate	Mid-Flood	Middle	4.5	11:21	9.26	8.26	31.72	27.06	8.40	5	0.270	SE	/
M1	20221111	Cloudy	Moderate	Mid-Flood	Bottom	8	11:20	8.22	8.28	31.67	27.10	7.20	5	0.288	SE	/
M1	20221111	Cloudy	Moderate	Mid-Flood	Bottom	8	11:20	9.27	8.30	31.59	27.06	7.33	4	0.309	SE	/
M2	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:37	8.80	8.13	32.49	27.07	7.88	8	0.288	E	/
M2	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:37	8.80	8.06	32.47	27.02	7.81	8	0.277	SE	/
M2	20221111	Cloudy	Moderate	Mid-Flood	Middle	6.15	11:36	8.72	8.34	32.96	27.05	7.29	7	0.308	SE	/
M2	20221111	Cloudy	Moderate	Mid-Flood	Middle	6.15	11:36	8.70	8.30	32.94	27.06	7.29	7	0.307	SE	/
M2	20221111	Cloudy	Moderate	Mid-Flood	Bottom	11.3	11:35	8.63	8.29	32.78	27.02	7.28	7	0.279	SE	/
M2	20221111	Cloudy	Moderate	Mid-Flood	Bottom	11.3	11:35	8.75	8.29	32.86	27.02	7.22	8	0.308	SE	/
M3	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:11	9.04	8.10	33.08	27.00	7.65	6	0.306	E	/
M3	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	11:11	8.86	8.09	33.23	27.08	7.60	6	0.300	SE	/
M3	20221111	Cloudy	Moderate	Mid-Flood	Middle	4.15	11:10	8.56	8.09	32.05	27.00	7.77	4	0.269	E	/
M3	20221111	Cloudy	Moderate	Mid-Flood	Middle	4.15	11:10	8.86	8.16	33.06	27.07	8.02	4	0.306	SE	/
M3	20221111	Cloudy	Moderate	Mid-Flood	Bottom	7.3	11:09	8.77	8.06	32.48	27.03	7.46	4	0.267	SE	/
M3	20221111	Cloudy	Moderate	Mid-Flood	Bottom	7.3	11:09	8.93	8.10	32.69	26.98	7.33	6	0.305	SE	/
M4	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	12:08	8.07	8.13	32.49	26.98	7.49	10	0.272	SE	/
M4	20221111	Cloudy	Moderate	Mid-Flood	Surface	1	12:08	8.44	8.22	32.45	27.11	7.55	7	0.296	E	/
M4	20221111	Cloudy	Moderate	Mid-Flood	Bottom	4.3	12:06	8.89	8.09	33.31	27.08	7.84	5	0.270	SE	/
M4	20221111	Cloudy	Moderate	Mid-Flood	Bottom	4.3	12:06	8.07	8.14	32.69	27.08	7.89	5	0.285	SE	/
C1	20221113	Sunny	Moderate	Mid-Flood	Surface	1	14:35	8.13	8.14	30.23	26.50	6.32	3	0.287	SE	/
C1	20221113	Sunny	Moderate	Mid-Flood	Surface	1	14:35	8.00	8.14	30.05	26.68	6.39	3	0.277	SE	/
C1	20221113	Sunny	Moderate	Mid-Flood	Middle	10.1	14:34	8.58	8.41	30.98	26.81	6.04	3	0.303	SE	/
C1	20221113	Sunny	Moderate	Mid-Flood	Middle	10.1	14:34	8.65	8.35	30.91	26.63	6.39	3	0.275	SE	/
C1	20221113	Sunny	Moderate	Mid-Flood	Bottom	19.2	14:33	8.73	8.41	31.06	26.62	6.77	3	0.293	SE	/
C1	20221113	Sunny	Moderate	Mid-Flood	Bottom	19.2	14:33	8.39	8.40	30.98	26.69	6.02	2.5	0.279	E	/
C2	20221113	Sunny	Moderate	Mid-Flood	Surface	1	13:35	8.31	8.28	30.94	26.49	6.88	7	0.300	SE	/
C2	20221113	Sunny	Moderate	Mid-Flood	Surface	1	13:35	8.30	8.29	30.76	26.49	6.78	7	0.275	SE	/
C2	20221113	Sunny	Moderate	Mid-Flood	Middle	12.3	13:34	8.74	8.28	30.15	26.75	6.89	10	0.288	SE	/
C2	20221113	Sunny	Moderate	Mid-Flood	Middle	12.3	13:34	8.45	8.27	30.94	26.53	7.20	9	0.266	SE	/
C2	20221113	Sunny	Moderate	Mid-Flood	Bottom	23.6	13:33	8.13	8.15	30.17	26.67	7.60	13	0.306	SE	/
C2	20221113	Sunny	Moderate	Mid-Flood	Bottom	23.6	13:33	8.30	8.17	30.19	26.60	7.01	13	0.302	E	/
M1	20221113	Sunny	Moderate	Mid-Flood	Surface	1	14:07	8.66	8.28	31.79	26.62	5.36	5	0.275	E	/
M1	20221113	Sunny	Moderate	Mid-Flood	Surface	1	14:07	8.59	8.34	31.61	26.59	5.56	3	0.288	E	/
M1	20221113	Sunny	Moderate	Mid-Flood	Middle	3.7	14:06	8.81	8.24	31.53	26.57	5.68	3	0.275	E	/
M1	20221113	Sunny	Moderate	Mid-Flood	Middle	3.7	14:06	8.52	8.23	31.66	26.68	5.51	3	0.299	SE	/
M1	20221113	Sunny	Moderate	Mid-Flood	Bottom	6.4	14:05	8.29	8.24	30.78	26.63	6.15	3	0.292	E	/
M1	20221113															



Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
C1	20211116	Sunny	Moderate	Mid-Flood	Surface	1	16:04	8.02	8.19	29.91	27.00	7.29	2.6	0.274	E	/
C1	20211116	Sunny	Moderate	Mid-Flood	Surface	1	16:04	7.97	8.18	29.98	26.98	7.32	2.5	0.284	E	/
C1	20211116	Sunny	Moderate	Mid-Flood	Middle	9.95	16:03	8.26	8.28	29.76	26.88	7.27	2.5	0.271	SE	/
C1	20211116	Sunny	Moderate	Mid-Flood	Middle	9.95	16:03	8.22	8.29	29.80	26.96	7.18	2.5	0.295	SE	/
C1	20211116	Sunny	Moderate	Mid-Flood	Bottom	18.9	16:02	8.31	8.31	29.71	26.89	7.97	3	0.290	E	/
C1	20211116	Sunny	Moderate	Mid-Flood	Bottom	18.9	16:02	8.28	8.25	29.78	26.90	8.03	6	0.278	E	/
C2	20211116	Sunny	Moderate	Mid-Flood	Surface	1	14:57	8.59	8.35	29.88	27.48	9.30	11	0.282	E	/
C2	20211116	Sunny	Moderate	Mid-Flood	Surface	1	14:57	8.51	8.34	29.87	27.33	9.15	12	0.281	SE	/
C2	20211116	Sunny	Moderate	Mid-Flood	Middle	12.25	14:56	9.08	8.16	29.33	26.57	8.83	10	0.296	E	/
C2	20211116	Sunny	Moderate	Mid-Flood	Middle	12.25	14:56	8.66	8.31	29.99	27.32	8.81	10	0.303	SE	/
C2	20211116	Sunny	Moderate	Mid-Flood	Bottom	23.5	14:55	8.13	8.18	29.87	26.93	9.76	11	0.266	E	/
C2	20211116	Sunny	Moderate	Mid-Flood	Bottom	23.5	14:55	8.01	8.15	29.89	27.14	9.55	13	0.282	E	/
M1	20211116	Sunny	Moderate	Mid-Flood	Surface	1	15:32	9.48	8.28	30.27	26.80	6.40	2.5	0.306	SE	/
M1	20211116	Sunny	Moderate	Mid-Flood	Surface	1	15:32	8.85	8.35	30.11	26.70	6.16	2.5	0.311	SE	/
M1	20211116	Sunny	Moderate	Mid-Flood	Middle	3.8	15:31	9.39	8.24	30.39	26.82	6.79	4	0.275	SE	/
M1	20211116	Sunny	Moderate	Mid-Flood	Middle	3.8	15:31	9.49	8.24	30.40	26.76	6.94	2.5	0.281	SE	/
M1	20211116	Sunny	Moderate	Mid-Flood	Bottom	6.6	15:30	8.72	8.37	29.87	27.47	6.38	4	0.309	E	/
M1	20211116	Sunny	Moderate	Mid-Flood	Bottom	6.6	15:30	9.49	8.26	30.44	26.86	6.63	2.5	0.272	SE	/
M2	20211116	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.32	8.18	30.21	27.47	4.74	2.5	0.264	SE	/
M2	20211116	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.30	8.21	30.24	27.31	4.45	3	0.300	SE	/
M2	20211116	Sunny	Moderate	Mid-Flood	Middle	6	15:45	8.01	8.23	30.86	27.32	5.57	2.5	0.292	E	/
M2	20211116	Sunny	Moderate	Mid-Flood	Middle	6	15:45	8.16	8.16	30.79	27.34	5.57	2.5	0.283	E	/
M2	20211116	Sunny	Moderate	Mid-Flood	Bottom	11	15:44	8.15	8.21	30.90	27.37	6.56	2.5	0.273	SE	/
M2	20211116	Sunny	Moderate	Mid-Flood	Bottom	11	15:44	8.06	8.24	30.88	27.27	6.60	2.5	0.287	SE	/
M3	20211116	Sunny	Moderate	Mid-Flood	Surface	1	15:11	8.34	8.27	29.33	27.04	5.68	2.5	0.283	SE	/
M3	20211116	Sunny	Moderate	Mid-Flood	Surface	1	15:11	8.29	8.27	29.43	27.05	5.80	3	0.290	SE	/
M3	20211116	Sunny	Moderate	Mid-Flood	Middle	4.15	15:10	8.77	8.28	31.03	27.35	6.65	11	0.287	SE	/
M3	20211116	Sunny	Moderate	Mid-Flood	Middle	4.15	15:10	8.24	8.23	29.37	27.11	6.82	11	0.290	SE	/
M3	20211116	Sunny	Moderate	Mid-Flood	Bottom	7.3	15:09	8.32	8.18	30.19	27.30	4.72	9	0.275	SE	/
M3	20211116	Sunny	Moderate	Mid-Flood	Bottom	7.3	15:09	8.28	8.23	30.19	27.45	4.77	9	0.264	E	/
M4	20211116	Sunny	Moderate	Mid-Flood	Surface	1	16:20	9.39	8.14	30.28	27.07	5.87	8	0.278	SE	/
M4	20211116	Sunny	Moderate	Mid-Flood	Surface	1	16:20	9.38	8.46	30.56	27.40	5.76	5	0.301	E	/
M4	20211116	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:18	8.34	8.23	29.34	26.95	7.04	13	0.285	SE	/
M4	20211116	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:18	9.53	8.22	30.20	27.09	7.23	10	0.289	E	/
C1	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:51	8.76	8.21	33.63	25.86	4.93	7	0.283	E	/
C1	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:51	8.72	8.17	33.46	25.88	4.85	7	0.281	SE	/
C1	20211118	Cloudy	Moderate	Mid-Flood	Middle	9.55	16:50	9.04	8.16	32.37	26.06	5.26	9	0.288	E	/
C1	20211118	Cloudy	Moderate	Mid-Flood	Middle	9.55	16:50	8.74	8.19	33.58	25.85	5.13	9	0.271	SE	/
C1	20211118	Cloudy	Moderate	Mid-Flood	Bottom	18.1	16:49	8.44	8.27	32.69	25.57	5.68	2.5	0.304	SE	/
C1	20211118	Cloudy	Moderate	Mid-Flood	Bottom	18.1	16:49	8.48	8.27	32.62	25.52	5.87	3	0.301	SE	/
C2	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	15:49	9.32	8.32	33.46	26.08	6.52	2.5	0.295	SE	/
C2	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	15:49	9.25	8.32	33.33	26.05	6.77	3	0.300	SE	/
C2	20211118	Cloudy	Moderate	Mid-Flood	Middle	12.55	15:48	8.58	8.15	33.56	26.37	6.58	4	0.274	SE	/
C2	20211118	Cloudy	Moderate	Mid-Flood	Middle	12.55	15:48	8.57	8.20	33.59	26.39	6.68	3	0.306	SE	/
C2	20211118	Cloudy	Moderate	Mid-Flood	Bottom	24.1	15:47	8.51	8.22	33.53	26.33	6.99	2.5	0.303	E	/
C2	20211118	Cloudy	Moderate	Mid-Flood	Bottom	24.1	15:47	8.58	8.21	33.39	26.34	6.15	2.5	0.294	SE	/
M1	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	8.13	8.14	32.35	25.61	5.35	2.5	0.294	SE	/
M1	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	9.25	8.21	32.97	25.72	5.20	3	0.295	SE	/
M1	20211118	Cloudy	Moderate	Mid-Flood	Middle	3.5	16:14	8.19	8.12	32.35	25.64	5.03	3	0.287	SE	/
M1	20211118	Cloudy	Moderate	Mid-Flood	Middle	3.5	16:14	8.19	8.15	32.23	25.61	5.05	2.5	0.298	SE	/
M1	20211118	Cloudy	Moderate	Mid-Flood	Bottom	6	16:13	8.98	8.18	32.51	25.77	5.55	2.5	0.287	SE	/
M1	20211118	Cloudy	Moderate	Mid-Flood	Bottom	6	16:13	8.16	8.13	32.29	25.66	5.59	4	0.274	E	/
M2	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:33	8.45	8.31	32.58	25.55	5.02	3	0.294	E	/
M2	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:33	8.44	8.28	32.76	25.50	5.01	2.5	0.271	SE	/
M2	20211118	Cloudy	Moderate	Mid-Flood	Middle	6.7	16:32	9.20	8.30	32.13	25.91	5.43	3	0.280	SE	/
M2	20211118	Cloudy	Moderate	Mid-Flood	Middle	6.7	16:32	9.19	8.28	32.11	25.95	5.52	4	0.272	SE	/
M2	20211118	Cloudy	Moderate	Mid-Flood	Bottom	12.4	16:31	9.29	8.29	31.99	25.86	4.54	3	0.292	SE	/
M2	20211118	Cloudy	Moderate	Mid-Flood	Bottom	12.4	16:31	9.15	8.30	32.17	25.96	4.53	4	0.292	SE	/
M3	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:01	9.04	8.16	32.42	25.73	4.68	4	0.291	E	/
M3	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	16:01	9.02	8.13	32.59	25.80	4.81	4	0.288	SE	/
M3	20211118	Cloudy	Moderate	Mid-Flood	Middle	3.85	16:00	8.46	8.23	32.07	25.86	3.81	4	0.307	E	/
M3	20211118	Cloudy	Moderate	Mid-Flood	Middle	3.85	16:00	8.98	8.16	32.63	25.73	3.78	3	0.305	SE	/
M3	20211118	Cloudy	Moderate	Mid-Flood	Bottom	6.7	15:59	9.34	8.30	33.42	26.09	4.69	5	0.267	SE	/
M3	20211118	Cloudy	Moderate	Mid-Flood	Bottom	6.7	15:59	9.19	8.36	33.30	26.09	4.71	4	0.280	SE	/
M4	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	17:10	7.98	8.44	32.47	25.77	5.01	3	0.267	E	/
M4	20211118	Cloudy	Moderate	Mid-Flood	Surface	1	17:10	8.59	8.46	32.65	26.16	4.79	4	0.275	SE	/
M4	20211118	Cloudy	Moderate	Mid-Flood	Bottom	3.8	17:09	8.67	8.23	33.55	25.86	4.57	8	0.268	E	/
M4	20211118	Cloudy	Moderate	Mid-Flood	Bottom	3.8	17:09	8.00	8.44	32.30	25.79	4.56	8	0.270	SE	/
C1	20211120	Sunny	Moderate	Mid-Flood	Surface	1	03:68:81	9.19	8.2	32.74	25.83	4.25	4	0.31	E	/
C1	20211120	Sunny	Moderate	Mid-Flood	Surface	1	03:68:81	9.26	8.13	32.92	25.83	4.33	4	0.295	SE	/
C1	20211120	Sunny	Moderate	Mid-Flood	Middle	10.55	03:68:11	8.71	8.35	33.01	25.69	4.44	5	0.276	SE	/
C1	20211120	Sunny	Moderate	Mid-Flood	Middle	10.55	03:68:11	8.75	8.36	33.1	25.74	4.33	6	0.292	SE	/
C1	20211120	Sunny	Moderate	Mid-Flood	Bottom	20.1	03:68:52	8.67	8.4	32.97	25.78	4.27	6	0.296	SE	/
C1	20211120	Sunny	Moderate	Mid-Flood	Bottom	20.1	03:68:52	8.66	8.38	33.11	25.7	4.33	6	0.273	SE	/
C2	20211120	Sunny	Moderate	Mid-Flood	Surface	1	03:43:75	8.3	8.38	33.24	25.88	5.28	5	0.281	SE	/
C2	20211120	Sunny	Moderate	Mid-Flood	Surface	1	03:43:75	8.32	8.37	33.11	25.82	5.33	5	0.279	SE	/
C2	20211120	Sunny	Moderate	Mid-Flood	Middle	10.8	03:43:06	9.16	8.22	32.86	26.56	4.46	5	0.306	SE	/
C2	20211120	Sunny	Moderate	Mid-Flood	Middle	10.8	03:43:06	8.31	8.37	33.27	25.79	4.53	5	0.29	SE	/
C2	20211120	Sunny	Moderate	Mid-Flood	Bottom	20.6	03:42:36	9.09	8.18	32.95	25.91	5.18	4	0.291	SE	/
C2	20211120	Sunny	Moderate	Mid-Flood	Bottom	20.6	03:42:36	9.1	8.17	32.95	25.83	4.88	5	0.279	SE	/
M1	20211120	Sunny	Moderate	Mid-Flood	Surface	1	03:64:58	8.49	8.35	33.4	26.41	3.22	5	0.268	SE	/
M1	20211120	Sunny	Moderate	Mid-Flood	Surface	1	03:64:58	8.22	8.37	32.85	26.27	3.29	4	0.273	SE	/
M1	20211120	Sunny	Moderate	Mid-Flood	Middle	3.25	03:63:89	8.47	8.33	33.36	26.45	3.96	5	0.267	SE	/
M1	20211120	Sunny	Moderate	Mid-Flood	Middle	3.25	03:63:89	8.45	8.32	33.34	26.48	4.04	6	0.266	E	/
M1	20211120	Sunny	Moderate	Mid-Flood	Bottom	5.5	03:63:19	8.5	8.39	33.11	25.88	3.7				

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
C1	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.42847	8.63	8.45	33.63	25.41	5.18	7	0.264	SE	/
C1	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.42847	8.62	8.44	33.62	25.3	5	5	0.269	SE	/
C1	20221123	Cloudy	Moderate	Mid-Flood	Middle	9.65	0.42778	8.46	8.36	34.28	25.4	5.06	9	0.277	SE	/
C1	20221123	Cloudy	Moderate	Mid-Flood	Middle	9.65	0.42778	8.5	8.36	34.08	25.39	5.28	9	0.27	SE	/
C1	20221123	Cloudy	Moderate	Mid-Flood	Bottom	18.3	0.42708	8.42	8.4	34.13	25.28	4.79	7	0.308	SE	/
C1	20221123	Cloudy	Moderate	Mid-Flood	Bottom	18.3	0.42708	8.53	8.37	34.09	25.39	4.77	7	0.284	E	/
C2	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.39028	8.61	8.22	34.84	25.5	5.13	13	0.287	SE	/
C2	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.39028	8.58	8.21	34.74	25.5	5.68	11	0.3	E	/
C2	20221123	Cloudy	Moderate	Mid-Flood	Middle	10.6	0.38958	8.62	8.37	33.13	25.36	5.14	8	0.299	SE	/
C2	20221123	Cloudy	Moderate	Mid-Flood	Middle	10.6	0.38958	8.54	8.22	34.74	25.5	4.9	8	0.271	SE	/
C2	20221123	Cloudy	Moderate	Mid-Flood	Bottom	20.2	0.38889	8.7	8.46	33.38	25.39	5.69	12	0.264	E	/
C2	20221123	Cloudy	Moderate	Mid-Flood	Bottom	20.2	0.38889	8.63	8.45	33.52	25.43	5.55	9	0.284	SE	/
M1	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.40903	8.72	8.25	34.48	25.45	4.01	8	0.267	SE	/
M1	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.40903	8.13	8.48	34.63	25.33	3.82	8	0.285	SE	/
M1	20221123	Cloudy	Moderate	Mid-Flood	Middle	3.6	0.40833	8.71	8.26	34.5	25.42	4.17	4	0.277	SE	/
M1	20221123	Cloudy	Moderate	Mid-Flood	Middle	3.6	0.40833	8.64	8.26	34.41	25.5	4.29	3	0.307	E	/
M1	20221123	Cloudy	Moderate	Mid-Flood	Bottom	6.2	0.40764	8.57	8.23	34.84	25.37	4.81	5	0.285	E	/
M1	20221123	Cloudy	Moderate	Mid-Flood	Bottom	6.2	0.40764	8.64	8.29	34.42	25.55	4.77	5	0.285	SE	/
M2	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.41875	8.52	8.34	33.96	25.47	4.73	2.5	0.302	E	/
M2	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.41875	8.5	8.3	33.85	25.43	4.89	4	0.295	E	/
M2	20221123	Cloudy	Moderate	Mid-Flood	Middle	6.9	0.41806	8.86	8.49	34.02	25.27	4.78	6	0.292	E	/
M2	20221123	Cloudy	Moderate	Mid-Flood	Middle	6.9	0.41806	8.85	8.45	34.18	25.33	4.85	4	0.265	E	/
M2	20221123	Cloudy	Moderate	Mid-Flood	Bottom	12.8	0.41736	8.78	8.44	33.98	25.34	4.95	9	0.288	E	/
M2	20221123	Cloudy	Moderate	Mid-Flood	Bottom	12.8	0.41736	8.74	8.48	34.16	25.23	4.94	9	0.307	SE	/
M3	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.4	8.06	8.32	34.69	25.43	3.8	3	0.281	E	/
M3	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.4	8.11	8.35	34.49	25.41	3.77	5	0.275	E	/
M3	20221123	Cloudy	Moderate	Mid-Flood	Middle	3.8	0.39931	8.77	8.48	34.14	25.39	3.79	6	0.271	SE	/
M3	20221123	Cloudy	Moderate	Mid-Flood	Middle	3.8	0.39931	8.08	8.32	34.69	25.48	3.93	6	0.301	SE	/
M3	20221123	Cloudy	Moderate	Mid-Flood	Bottom	6.6	0.39861	8.56	8.31	34.07	25.37	4.19	9	0.268	E	/
M3	20221123	Cloudy	Moderate	Mid-Flood	Bottom	6.6	0.39861	8.6	8.34	33.88	25.41	4.16	9	0.269	SE	/
M4	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.43681	8.11	8.35	33.12	25.38	4.07	8	0.285	E	/
M4	20221123	Cloudy	Moderate	Mid-Flood	Surface	1	0.43681	8.46	8.41	34.09	25.44	4.67	8	0.278	E	/
M4	20221123	Cloudy	Moderate	Mid-Flood	Bottom	4.7	0.43611	8.1	8.34	34.69	25.49	3.88	8	0.288	SE	/
M4	20221123	Cloudy	Moderate	Mid-Flood	Bottom	4.7	0.43611	8.23	8.34	33.15	25.45	3.83	8	0.31	SE	/
C1	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.43889	8.21	8.26	33.26	25.01	5.41	4	0.3	SE	/
C1	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.43889	8.42	8.31	33.26	25.04	5.16	5	0.311	E	/
C1	20221125	Sunny	Moderate	Mid-Flood	Middle	11.45	0.43819	8.9	8.36	33.53	25.28	5.08	3	0.269	SE	/
C1	20221125	Sunny	Moderate	Mid-Flood	Middle	11.45	0.43819	8.12	8.3	33.16	25.1	5.36	5	0.277	E	/
C1	20221125	Sunny	Moderate	Mid-Flood	Bottom	21.9	0.4375	8.54	8.5	32.82	25.21	3.91	4	0.287	SE	/
C1	20221125	Sunny	Moderate	Mid-Flood	Bottom	21.9	0.4375	8.56	8.48	32.8	25.22	4.22	4	0.279	SE	/
C2	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.39444	7.94	8.29	33.05	24.92	5.18	8	0.304	E	/
C2	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.39444	7.99	8.29	33.03	25.03	5.4	8	0.296	E	/
C2	20221125	Sunny	Moderate	Mid-Flood	Middle	11.65	0.39375	8.58	8.53	32.32	25.22	5.89	5	0.264	SE	/
C2	20221125	Sunny	Moderate	Mid-Flood	Middle	11.65	0.39375	8.64	8.52	32.34	25.13	6.06	4	0.281	SE	/
C2	20221125	Sunny	Moderate	Mid-Flood	Bottom	22.3	0.39306	8.73	8.55	32.39	25.21	6.77	8	0.293	SE	/
C2	20221125	Sunny	Moderate	Mid-Flood	Bottom	22.3	0.39306	8.66	8.53	32.32	25.21	6.9	6	0.283	SE	/
M1	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.41597	8.61	8.49	33.1	25.16	4.35	5	0.281	SE	/
M1	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.41597	9.03	8.35	33.3	25.21	4.74	7	0.303	E	/
M1	20221125	Sunny	Moderate	Mid-Flood	Middle	3.35	0.41528	8.67	8.43	33.01	25.19	3.66	2.5	0.268	E	/
M1	20221125	Sunny	Moderate	Mid-Flood	Middle	3.35	0.41528	8.51	8.43	33.06	25.14	3.9	2.5	0.304	E	/
M1	20221125	Sunny	Moderate	Mid-Flood	Bottom	5.7	0.41458	8.13	8.33	32.54	25.14	4.23	3	0.266	E	/
M1	20221125	Sunny	Moderate	Mid-Flood	Bottom	5.7	0.41458	8.57	8.47	33.04	25.25	3.67	3	0.302	E	/
M2	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.42708	8.36	8.53	32.83	25.09	4.44	3	0.285	SE	/
M2	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.42708	8.47	8.49	32.77	25.12	4.26	3	0.295	SE	/
M2	20221125	Sunny	Moderate	Mid-Flood	Middle	6.6	0.42639	8.09	8.24	32.51	25.12	4.64	4	0.288	SE	/
M2	20221125	Sunny	Moderate	Mid-Flood	Middle	6.6	0.42639	7.94	8.25	32.48	25.13	4.64	4	0.278	E	/
M2	20221125	Sunny	Moderate	Mid-Flood	Bottom	12.2	0.42569	8.17	8.24	32.61	25.18	4.43	4	0.27	SE	/
M2	20221125	Sunny	Moderate	Mid-Flood	Bottom	12.2	0.42569	7.93	8.3	32.58	25.15	4.62	5	0.279	E	/
M3	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.40556	8.02	8.31	32.57	25.11	4.37	7	0.289	SE	/
M3	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.40556	8.15	8.37	32.57	25.2	4.7	4	0.308	E	/
M3	20221125	Sunny	Moderate	Mid-Flood	Middle	3.85	0.40486	9.2	8.28	33.03	25.09	4.93	5	0.275	E	/
M3	20221125	Sunny	Moderate	Mid-Flood	Middle	3.85	0.40486	8.16	8.37	32.56	25.19	4.74	4	0.309	E	/
M3	20221125	Sunny	Moderate	Mid-Flood	Bottom	6.7	0.40417	8.02	8.27	33.06	25	3.79	7	0.307	SE	/
M3	20221125	Sunny	Moderate	Mid-Flood	Bottom	6.7	0.40417	8.02	8.27	33.08	24.97	3.77	6	0.263	SE	/
M4	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.45139	8.78	8.55	33.28	25.01	4.69	6	0.274	SE	/
M4	20221125	Sunny	Moderate	Mid-Flood	Surface	1	0.45139	8.11	8.28	33.13	25.22	4.48	6	0.281	E	/
M4	20221125	Sunny	Moderate	Mid-Flood	Bottom	4.6	0.45069	8.21	8.3	33.24	25.03	4.93	2.5	0.286	SE	/
M4	20221125	Sunny	Moderate	Mid-Flood	Bottom	4.6	0.45069	8.79	8.52	33.24	25.04	5.13	4	0.3	SE	/
C1	20221127	Sunny	Moderate	Mid-Flood	Surface	1	0.50486	8.58	7.83	32.12	25.55	5.41	2.5	0.294	SE	/
C1	20221127	Sunny	Moderate	Mid-Flood	Surface	1	0.50486	8.55	7.85	32.03	25.55	5.3	3	0.282	SE	/
C1	20221127	Sunny	Moderate	Mid-Flood	Middle	11	0.50417	8.18	7.83	31.86	25.52	5.57	4	0.264	SE	/
C1	20221127	Sunny	Moderate	Mid-Flood	Middle	11	0.50417	8.45	7.88	32.09	25.5	5.62	4	0.273	SE	/
C1	20221127	Sunny	Moderate	Mid-Flood	Bottom	21	0.50347	8.29	7.96	32.54	25.75	4.93	4	0.278	SE	/
C1	20221127	Sunny	Moderate	Mid-Flood	Bottom	21	0.50347	8.24	7.91	32.51	25.64	4.76	3	0.298	SE	/
C2	20221127	Sunny	Moderate	Mid-Flood	Surface	1	0.45833	8.31	8.03	31.94	25.48	5.9	3	0.274	SE	/
C2	20221127	Sunny	Moderate	Mid-Flood	Surface	1	0.45833	8.31	7.98	31.95	25.51	5.8	4	0.287	E	/
C2	20221127	Sunny	Moderate	Mid-Flood	Middle	12	0.45764	9.09	7.96	31.23	25.51	6.14	10	0.295	E	/
C2	20221127	Sunny	Moderate	Mid-Flood	Middle	12	0.45764	9.08	7.95	31.18	25.56	6.23	11	0.263	E	/
C2	20221127	Sunny	Moderate	Mid-Flood	Bottom	23	0.45694	9.19	7.97	31.35	25.57	6.71	4	0.279	SE	/
C2	20221127	Sunny	Moderate	Mid-Flood	Bottom	23	0.45694	9.27	7.94	31.11	25.59	6.62	4	0.281	SE	/
M1	20221127	Sunny	Moderate	Mid-Flood	Surface	1	0.47986	8.46	8.08	31.35	25.48	4.11	7	0.268	E	/
M1	20221127	Sunny	Moderate	Mid-Flood	Surface	1	0.47986	9	7.96	32.22	25.73	4.11	7	0.268	E	/
M1	20221127	Sunny	Moderate	Mid-Flood	Middle	3.2	0.47917	8.51	7.98	31.3	25.53	4.36	4	0.303	E	/
M1	20221127	Sunny	Moderate	Mid-Flood	Middle	3.2	0.47917	8.47	8.09	31.16	25.48	4.26	3	0.292	SE	/
M1	20221127	Sunny	Moderate	Mid-Flood	Bottom	5.4	0.47847	9.12	7.84	31.7	25.72					

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pH	Sal (ppt)	Temp (°C)	Turbidity (NTU)	SS	Current Velocity (m/s)	Current Direction	Remark
C1	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.61181	8.83	8.12	30.71	25.47	4.58	5		0.265 SE	/
C1	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.61181	8.69	8.14	30.17	25.52	4.8	8		0.292 SE	/
C1	20211130	Sunny	Moderate	Mid-Flood	Middle	9.95	0.61111	8.27	8.33	30.78	25.59	4.51	4		0.285 SE	/
C1	20211130	Sunny	Moderate	Mid-Flood	Middle	9.95	0.61111	8.22	8.29	30.88	25.55	4.56	4		0.263 SE	/
C1	20211130	Sunny	Moderate	Mid-Flood	Bottom	18.9	0.61042	8.13	8.28	30.63	25.67	4.68	3		0.289 SE	/
C1	20211130	Sunny	Moderate	Mid-Flood	Bottom	18.9	0.61042	8.14	8.31	30.9	25.52	4.93	2.5		0.31 E	/
C2	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.56806	8.39	8.22	30.39	25.6	4.82	11		0.292 E	/
C2	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.56806	8.23	8.22	30.53	25.53	4.69	11		0.275 SE	/
C2	20211130	Sunny	Moderate	Mid-Flood	Middle	12.9	0.56736	8.53	8.3	31.03	25.57	4.87	23		0.287 E	/
C2	20211130	Sunny	Moderate	Mid-Flood	Middle	12.9	0.56736	8.26	8.26	30.38	25.45	4.99	23		0.293 SE	/
C2	20211130	Sunny	Moderate	Mid-Flood	Bottom	24.8	0.56667	8.67	8.11	30.47	25.52	5.43	12		0.265 E	/
C2	20211130	Sunny	Moderate	Mid-Flood	Bottom	24.8	0.56667	8.79	8.15	30.35	25.4	5.69	12		0.264 SE	/
M1	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.58819	8.69	8.13	31.11	25.36	3.76	6		0.302 E	/
M1	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.58819	8.58	8.09	31.43	25.4	4.03	5		0.295 E	/
M1	20211130	Sunny	Moderate	Mid-Flood	Middle	3.3	0.5875	8.67	8.11	31.35	25.45	4.21	4		0.293 E	/
M1	20211130	Sunny	Moderate	Mid-Flood	Middle	3.3	0.5875	8.63	8.11	31.49	25.33	4.01	5		0.302 E	/
M1	20211130	Sunny	Moderate	Mid-Flood	Bottom	5.6	0.58681	8.26	8.26	30.49	25.54	3.81	10		0.288 SE	/
M1	20211130	Sunny	Moderate	Mid-Flood	Bottom	5.6	0.58681	8.55	8.12	31.58	25.41	3.62	10		0.299 E	/
M2	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.6	9.32	8.15	31.91	25.58	3.48	9		0.277 SE	/
M2	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.6	9.35	8.15	31.57	25.58	3.71	9		0.287 SE	/
M2	20211130	Sunny	Moderate	Mid-Flood	Middle	6.4	0.59931	9.34	8.06	31.05	25.41	3.75	4		0.277 E	/
M2	20211130	Sunny	Moderate	Mid-Flood	Middle	6.4	0.59931	9.24	8.05	30.94	25.32	3.7	5		0.279 E	/
M2	20211130	Sunny	Moderate	Mid-Flood	Bottom	11.8	0.59861	9.21	8.09	31.06	25.43	3.18	6		0.271 E	/
M2	20211130	Sunny	Moderate	Mid-Flood	Bottom	11.8	0.59861	9.31	8.11	31.16	25.3	2.99	6		0.306 SE	/
M3	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.57778	8.5	8.31	31.07	25.59	4.95	5		0.288 E	/
M3	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.57778	8.56	8.32	31.1	25.59	4.94	3		0.287 E	/
M3	20211130	Sunny	Moderate	Mid-Flood	Middle	3.75	0.57708	9.37	8.05	31.15	25.31	3.08	13		0.268 E	/
M3	20211130	Sunny	Moderate	Mid-Flood	Middle	3.75	0.57708	8.53	8.28	31.23	25.66	2.99	13		0.267 E	/
M3	20211130	Sunny	Moderate	Mid-Flood	Bottom	6.5	0.57639	9.28	8.2	31.86	25.48	3.99	4		0.299 SE	/
M3	20211130	Sunny	Moderate	Mid-Flood	Bottom	6.5	0.57639	9.33	8.18	31.67	25.51	3.66	5		0.274 SE	/
M4	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.62431	8.69	8.24	31.64	25.57	4.26	7		0.291 SE	/
M4	20211130	Sunny	Moderate	Mid-Flood	Surface	1	0.62431	8.76	8.13	30.88	25.34	4.11	7		0.288 E	/
M4	20211130	Sunny	Moderate	Mid-Flood	Bottom	4.4	0.62361	8.53	8.35	31.07	25.61	4.16	6		0.3 SE	/
M4	20211130	Sunny	Moderate	Mid-Flood	Bottom	4.4	0.62361	8.74	8.22	31.66	25.61	3.76	3		0.294 SE	/







