

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vc

Sampling Date	Tide	Station	Time	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2022/03/18	ME	US1	13:36	B	9.7	69.1	0.62	20.55	26.33	110.87	8.54	7.51	8.19	14.3
2022/03/18	ME	US1	13:38	M	5.9	88.0	0.64	20.74	25.91	113.56	8.74	8.01	8.20	9.4
2022/03/18	ME	US1	13:39	T	1.2	117.3	0.96	21.41	25.03	116.75	8.92	6.31	8.27	7.2
2022/03/18	ME	US1	13:40	B	10.1	63.9	0.76	20.47	26.49	115.16	8.88	8.11	8.19	14.2
2022/03/18	ME	US1	13:40	M	5.6	97.3	0.74	20.64	26.16	113.96	8.78	8.21	8.20	10.1
2022/03/18	ME	US1	13:41	T	1.2	120.0	0.92	21.37	25.18	123.53	9.44	4.22	8.25	7.3
2022/03/18	ME	US2	13:27	B	8.0	142.8	0.45	20.44	26.57	109.79	8.47	9.21	8.19	14.7
2022/03/18	ME	US2	13:27	M	5.1	124.2	0.49	20.71	26.03	112.68	8.67	8.01	8.20	11.3
2022/03/18	ME	US2	13:28	T	0.9	126.5	0.66	21.05	25.59	117.27	8.99	7.51	8.21	11.7
2022/03/18	ME	US2	13:29	B	8.5	104.5	0.46	20.41	26.66	113.18	8.73	10.61	8.17	14.1
2022/03/18	ME	US2	13:30	M	4.8	139.6	0.56	20.71	26.02	113.48	8.73	8.81	8.19	10.6
2022/03/18	ME	US2	13:31	T	1.1	143.5	0.77	20.93	25.69	118.07	9.07	7.81	8.22	11.2
2022/03/18	ME	DS1	13:46	B	9.0	78.3	0.92	20.44	26.57	110.15	8.49	7.71	8.18	11.4
2022/03/18	ME	DS1	13:47	M	4.7	127.3	0.60	20.87	25.77	114.34	8.79	6.71	8.21	10.2
2022/03/18	ME	DS1	13:48	T	0.9	143.8	0.39	21.22	25.34	127.51	9.76	4.32	8.27	8.1
2022/03/18	ME	DS1	13:49	B	8.6	80.4	0.64	20.59	26.30	115.74	8.91	7.91	8.19	11.4
2022/03/18	ME	DS1	13:50	M	5.3	136.2	0.63	20.78	25.88	115.94	8.92	7.71	8.20	10.0
2022/03/18	ME	DS1	13:51	T	1.1	109.9	0.93	21.24	25.30	126.81	9.71	4.62	8.27	8.1
2022/03/18	ME	DS2	13:55	B	6.9	72.1	0.48	20.56	26.39	110.34	8.50	8.51	8.19	11.4
2022/03/18	ME	DS2	13:56	M	4.1	95.9	0.95	20.87	25.78	116.22	8.93	6.21	8.21	10.2
2022/03/18	ME	DS2	13:57	T	1.2	117.4	0.94	21.09	25.44	124.80	9.57	5.31	8.25	8.1
2022/03/18	ME	DS2	13:58	B	7.1	110.9	0.76	20.54	26.44	115.42	8.89	9.21	8.19	12.2
2022/03/18	ME	DS2	13:59	M	4.2	112.9	0.85	20.84	25.80	117.61	9.04	6.41	8.21	9.7
2022/03/18	ME	DS2	14:00	T	0.9	125.3	0.77	21.50	25.22	125.09	9.53	4.32	8.27	7.8
2022/03/18	ME	DS3	14:05	B	10.9	113.4	0.34	20.54	26.47	111.22	8.56	8.11	8.18	11.6
2022/03/18	ME	DS3	14:06	M	6.1	81.1	0.64	20.75	26.05	114.31	8.79	6.31	8.20	9.7
2022/03/18	ME	DS3	14:07	T	1.0	119.5	0.75	21.22	25.38	125.38	9.60	4.62	8.25	7.9
2022/03/18	ME	DS3	14:08	B	11.0	122.0	0.50	20.53	26.47	115.90	8.93	8.51	8.18	11.2
2022/03/18	ME	DS3	14:08	M	5.9	105.1	0.42	20.72	26.08	114.40	8.80	8.11	8.20	9.1
2022/03/18	ME	DS3	14:09	T	1.1	104.9	0.76	21.28	25.36	124.98	9.56	4.62	8.25	7.6
2022/03/18	ME	DS4	14:15	B	6.1	132.2	0.42	20.68	26.19	111.80	8.60	7.91	8.19	9.2
2022/03/18	ME	DS4	14:15	M	3.7	109.9	0.74	20.87	25.83	116.19	8.93	5.51	8.21	7.6
2022/03/18	ME	DS4	14:16	T	1.0	138.9	1.18	21.19	25.44	126.16	9.66	4.82	8.25	6.6
2022/03/18	ME	DS4	14:17	B	6.1	118.8	1.09	20.68	26.19	117.48	9.04	7.41	8.19	9.9
2022/03/18	ME	DS4	14:18	M	3.7	112.5	0.71	20.83	25.87	118.97	9.15	5.71	8.21	7.7
2022/03/18	ME	DS4	14:19	T	1.0	108.5	0.88	21.82	25.13	129.44	9.81	4.12	8.27	6.6
2022/03/18	ME	DS5	14:24	B	6.1	52.8	0.41	20.68	26.12	112.78	8.68	8.21	8.18	11.7
2022/03/18	ME	DS5	14:25	M	3.4	98.6	0.43	20.83	25.89	116.07	8.92	5.41	8.20	10.8
2022/03/18	ME	DS5	14:25	T	1.0	80.9	0.68	21.42	25.39	123.55	9.42	4.22	8.26	6.1
2022/03/18	ME	DS5	14:26	B	6.0	56.1	0.95	20.69	26.12	117.36	9.03	8.41	8.19	11.8
2022/03/18	ME	DS5	14:27	M	3.6	123.1	0.74	20.78	26.00	117.56	9.04	6.31	8.19	11.0
2022/03/18	ME	DS5	14:28	T	0.8	88.1	0.76	21.67	25.23	128.23	9.74	4.32	8.26	6.3
2022/03/18	ME	MW1	12:04	B	20.0	9.9	0.34	19.89	28.86	112.43	8.64	3.42	8.16	7.3
2022/03/18	ME	MW1	12:05	M	11.0	13.4	0.52	19.90	28.82	112.93	8.68	1.92	8.16	3.5
2022/03/18	ME	MW1	12:06	T	1.0	61.5	0.48	20.12	28.36	115.83	8.89	1.82	8.18	7.0
2022/03/18	ME	MW1	12:07	B	20.0	335.3	0.44	19.89	28.85	113.33	8.71	2.52	8.17	7.0
2022/03/18	ME	MW1	12:08	M	11.1	62.0	0.63	19.87	28.86	113.13	8.70	4.22	8.17	3.7
2022/03/18	ME	MW1	12:09	T	1.0	68.5	0.90	20.10	28.42	115.02	8.83	1.62	8.19	7.4

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Sampling Date	Tide	Station	Time	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2022/03/18	MF	MW1	19:51	B	20.2	32.3	0.41	19.46	30.08	109.30	8.41	6.41	8.11	8.0
2022/03/18	MF	MW1	19:52	M	10.6	8.4	0.45	19.70	29.51	111.79	8.59	3.72	8.13	7.5
2022/03/18	MF	MW1	19:52	T	1.2	278.2	0.42	20.30	28.00	117.08	8.98	2.02	8.17	9.1
2022/03/18	MF	MW1	19:54	B	20.1	72.4	0.27	19.46	30.09	111.19	8.55	6.21	8.11	7.5
2022/03/18	MF	MW1	19:55	M	10.6	130.3	0.50	19.70	29.50	112.49	8.64	3.72	8.13	7.3
2022/03/18	MF	MW1	19:56	T	1.0	215.2	0.25	19.97	28.62	114.38	8.79	1.92	8.13	9.2
2022/03/18	MF	DS1	17:38	B	9.0	340.9	0.15	20.59	26.20	112.57	8.67	6.91	8.15	10.0
2022/03/18	MF	DS1	17:39	M	4.9	260.5	0.47	20.81	25.49	116.37	8.97	4.92	8.16	11.8
2022/03/18	MF	DS1	17:40	T	1.1	326.9	0.43	21.08	25.18	120.06	9.22	3.92	8.18	5.2
2022/03/18	MF	DS1	17:41	B	9.2	178.7	0.30	20.59	26.23	115.96	8.93	8.11	8.14	9.5
2022/03/18	MF	DS1	17:42	M	5.1	255.9	0.61	20.81	25.50	117.36	9.04	5.21	8.16	12.0
2022/03/18	MF	DS1	17:42	T	1.0	10.0	0.51	21.08	25.20	120.36	9.25	3.92	8.17	5.1
2022/03/18	MF	DS2	17:47	B	7.1	246.3	0.35	20.86	25.49	116.26	8.95	5.71	8.17	10.4
2022/03/18	MF	DS2	17:48	M	4.0	323.8	0.46	20.97	25.23	119.35	9.18	4.12	8.18	7.9
2022/03/18	MF	DS2	17:49	T	1.0	333.4	0.47	21.55	24.30	133.55	10.22	2.62	8.27	7.1
2022/03/18	MF	DS2	17:50	B	6.8	324.3	0.30	20.86	25.48	120.85	9.31	5.41	8.18	11.0
2022/03/18	MF	DS2	17:51	M	4.0	303.3	0.66	21.01	25.24	120.55	9.27	4.82	8.18	7.7
2022/03/18	MF	DS2	17:52	T	1.0	286.4	0.47	21.51	24.51	133.74	10.23	3.32	8.28	7.2
2022/03/18	MF	DS3	17:57	B	7.0	315.9	0.83	20.79	25.54	114.44	8.82	8.31	8.18	5.2
2022/03/18	MF	DS3	17:57	M	4.0	307.2	0.65	21.04	25.12	119.54	9.19	4.42	8.21	12.7
2022/03/18	MF	DS3	17:58	T	1.0	332.7	0.83	21.23	24.67	127.23	9.78	3.12	8.24	8.4
2022/03/18	MF	DS3	17:59	B	6.9	303.7	0.57	20.79	25.57	119.14	9.18	8.61	8.18	5.0
2022/03/18	MF	DS3	18:00	M	4.0	318.7	0.75	21.03	25.14	120.83	9.29	4.52	8.21	12.7
2022/03/18	MF	DS3	18:01	T	1.0	293.4	1.22	21.32	24.55	129.43	9.94	2.62	8.26	9.0
2022/03/18	MF	DS4	18:06	B	7.0	335.7	0.81	20.76	25.61	114.43	8.82	13.01	8.18	19.8
2022/03/18	MF	DS4	18:07	M	4.1	290.7	0.63	21.00	25.10	119.93	9.23	3.62	8.20	12.0
2022/03/18	MF	DS4	18:07	T	1.1	331.7	0.19	21.25	24.64	126.62	9.73	2.92	8.25	8.5
2022/03/18	MF	DS4	18:08	B	7.0	289.4	0.72	20.75	25.64	119.72	9.23	13.91	8.18	19.9
2022/03/18	MF	DS4	18:09	M	4.0	282.3	0.90	21.07	25.01	122.62	9.43	3.62	8.22	12.2
2022/03/18	MF	DS4	18:10	T	1.0	285.3	0.30	21.25	24.68	128.82	9.89	3.22	8.25	8.9
2022/03/18	MF	DS5	18:14	B	7.1	324.2	0.65	20.87	25.34	115.62	8.91	9.61	8.19	14.7
2022/03/18	MF	DS5	18:15	M	3.9	307.8	0.96	20.95	25.16	119.31	9.19	3.52	8.21	7.0
2022/03/18	MF	DS5	18:16	T	0.9	293.5	0.09	21.45	24.30	135.40	10.38	2.22	8.30	5.1
2022/03/18	MF	DS5	18:17	B	7.0	326.0	0.50	20.86	25.37	120.61	9.29	12.11	8.19	13.6
2022/03/18	MF	DS5	18:19	M	4.0	286.0	0.32	20.97	25.12	121.01	9.32	3.62	8.21	6.7
2022/03/18	MF	DS5	18:19	T	1.1	332.2	0.54	21.13	24.76	126.00	9.69	2.52	8.24	5.3
2022/03/18	MF	US1	18:33	B	10.9	32.5	0.25	20.12	27.59	108.60	8.37	22.20	8.15	23.7
2022/03/18	MF	US1	18:34	M	6.4	328.7	0.89	20.73	26.21	115.39	8.87	9.61	8.18	10.9
2022/03/18	MF	US1	18:36	T	1.1	321.5	0.84	21.05	25.51	121.88	9.35	5.11	8.23	14.0
2022/03/18	MF	US1	18:37	B	11.2	315.5	0.24	20.08	27.72	110.89	8.55	19.60	8.15	22.4
2022/03/18	MF	US1	18:38	M	5.7	302.0	0.81	20.75	26.02	113.99	8.77	9.51	8.19	11.3
2022/03/18	MF	US1	18:39	T	1.1	292.7	0.78	21.02	25.43	125.17	9.61	3.52	8.24	14.4
2022/03/18	MF	US2	18:44	B	6.9	304.4	1.07	20.36	27.20	111.58	8.58	6.01	8.16	10.6
2022/03/18	MF	US2	18:45	M	3.6	284.0	1.26	21.11	25.87	118.57	9.07	3.92	8.22	10.4
2022/03/18	MF	US2	18:46	T	1.3	274.9	1.03	21.22	25.77	125.66	9.60	3.12	8.23	5.2
2022/03/18	MF	US2	18:48	B	7.2	270.7	0.59	20.16	27.62	115.47	8.89	7.01	8.15	11.3
2022/03/18	MF	US2	18:49	M	4.1	292.1	1.48	21.11	25.85	121.06	9.26	3.72	8.22	10.7
2022/03/18	MF	US2	18:50	T	1.2	337.0	0.61	21.21	25.60	127.46	9.74	3.12	8.25	4.9