

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)
2022/04/15	ME	US1	12:23	B	10.2	1.8	0.42	22.54	28.22	94.36	6.94	11.98	8.15	12.8
2022/04/15	ME	US1	12:24	M	5.7	107.4	0.81	22.87	26.77	96.14	7.08	4.68	8.16	5.0
2022/04/15	ME	US1	12:25	T	1.0	159.2	0.88	23.44	25.62	98.52	7.23	2.78	8.17	4.0
2022/04/15	ME	US1	12:26	B	10.0	130.6	0.67	22.53	28.23	94.64	6.96	9.58	8.13	12.9
2022/04/15	ME	US1	12:27	M	5.9	146.4	0.53	23.06	26.35	97.22	7.16	4.78	8.16	4.8
2022/04/15	ME	US1	12:28	T	0.9	51.6	0.72	23.46	25.58	98.80	7.25	2.88	8.17	3.9
2022/04/15	ME	US2	12:33	B	8.9	54.0	0.73	22.55	27.82	95.50	7.03	17.18	8.14	23.3
2022/04/15	ME	US2	12:34	M	5.6	154.4	0.81	23.08	26.47	97.67	7.18	3.98	8.16	11.0
2022/04/15	ME	US2	12:34	T	1.0	170.0	0.18	23.38	25.92	98.76	7.25	1.98	8.16	14.8
2022/04/15	ME	US2	12:35	B	9.0	124.3	0.82	22.55	27.82	94.89	6.99	16.08	8.13	22.8
2022/04/15	ME	US2	12:36	M	5.6	136.4	0.51	22.83	26.83	96.47	7.11	7.78	8.16	11.1
2022/04/15	ME	US2	12:36	T	1.5	211.6	0.62	23.43	25.82	99.04	7.26	2.28	8.16	15.2
2022/04/15	ME	DS1	12:44	B	10.7	97.0	0.24	22.37	29.01	94.14	6.91	8.28	8.13	12.7
2022/04/15	ME	DS1	12:45	M	5.9	80.5	0.50	22.68	27.34	95.52	7.04	7.08	8.15	8.8
2022/04/15	ME	DS1	12:45	T	1.0	143.0	0.64	23.37	25.82	98.79	7.25	2.58	8.17	2.9
2022/04/15	ME	DS1	12:46	B	10.0	88.2	0.49	22.46	28.62	94.03	6.90	5.78	8.13	12.5
2022/04/15	ME	DS1	12:47	M	6.1	97.7	0.65	22.67	27.52	95.31	7.02	6.78	8.12	9.0
2022/04/15	ME	DS1	12:48	T	1.1	136.4	0.82	23.38	25.79	98.48	7.23	2.58	8.14	3.0
2022/04/15	ME	DS2	12:53	B	10.2	110.1	0.82	22.42	28.76	94.49	6.94	8.78	8.10	14.1
2022/04/15	ME	DS2	12:53	M	5.7	97.4	0.79	22.80	26.99	96.46	7.11	4.28	8.12	5.0
2022/04/15	ME	DS2	12:54	T	0.9	135.0	0.58	23.35	25.90	98.93	7.26	2.18	8.13	8.1
2022/04/15	ME	DS2	12:55	B	10.1	107.9	0.32	22.50	28.39	94.57	6.95	6.78	8.10	14.4
2022/04/15	ME	DS2	12:56	M	6.1	93.6	0.75	22.74	27.18	95.66	7.05	5.68	8.12	4.9
2022/04/15	ME	DS2	12:56	T	1.2	69.4	0.78	23.37	25.86	98.62	7.24	2.28	8.14	7.8
2022/04/15	ME	DS3	13:01	B	13.1	50.9	0.36	22.48	28.49	94.34	6.93	12.58	8.11	6.3
2022/04/15	ME	DS3	13:02	M	7.4	104.3	0.78	22.71	27.36	95.72	7.05	4.78	8.12	16.1
2022/04/15	ME	DS3	13:02	T	1.1	14.8	0.50	23.44	25.67	99.18	7.28	2.18	8.14	3.9
2022/04/15	ME	DS3	13:03	B	13.3	42.8	0.53	22.51	28.38	94.13	6.92	8.48	8.11	6.4
2022/04/15	ME	DS3	13:04	M	7.4	114.8	0.69	22.63	27.69	94.92	6.99	6.38	8.12	16.3
2022/04/15	ME	DS3	13:05	T	0.9	61.6	0.64	23.45	25.70	99.07	7.27	2.38	8.14	4.1
2022/04/15	ME	DS4	13:11	B	7.8	141.7	0.59	22.64	27.85	95.96	7.06	5.28	8.12	10.7
2022/04/15	ME	DS4	13:12	M	5.2	114.0	0.84	22.75	27.40	96.55	7.10	3.88	8.13	4.6
2022/04/15	ME	DS4	13:13	T	0.9	89.8	0.60	23.37	25.88	99.02	7.27	1.98	8.15	3.0
2022/04/15	ME	DS4	13:14	B	8.0	91.0	0.57	22.62	27.89	95.06	6.99	7.68	8.12	10.2
2022/04/15	ME	DS4	13:14	M	5.0	115.1	1.04	22.72	27.49	95.75	7.04	4.48	8.13	4.4
2022/04/15	ME	DS4	13:15	T	1.1	98.5	1.10	23.34	25.97	98.61	7.24	2.28	8.15	3.1
2022/04/15	ME	DS5	13:20	B	8.1	135.4	0.60	22.66	27.81	95.61	7.03	6.48	8.13	14.4
2022/04/15	ME	DS5	13:21	M	5.0	100.3	0.60	22.94	26.85	97.39	7.16	2.68	8.13	9.2
2022/04/15	ME	DS5	13:22	T	1.1	111.7	0.54	23.22	26.25	98.77	7.25	1.98	8.14	6.1
2022/04/15	ME	DS5	13:22	B	8.1	49.8	0.82	22.64	27.89	95.21	7.00	7.78	8.11	13.8
2022/04/15	ME	DS5	13:23	M	4.8	106.6	0.86	22.86	27.12	96.68	7.11	3.58	8.13	9.0
2022/04/15	ME	DS5	13:23	T	1.1	143.3	0.86	23.24	26.23	98.66	7.24	2.08	8.14	6.2
2022/04/15	ME	MW1	10:50	B	19.5	76.1	0.39	22.05	30.32	93.82	6.87	2.28	8.06	7.6
2022/04/15	ME	MW1	10:51	M	10.7	20.5	0.32	22.06	30.18	93.61	6.86	1.88	8.05	7.8
2022/04/15	ME	MW1	10:52	T	1.2	202.0	0.16	22.32	29.54	95.40	6.99	1.88	8.05	4.8
2022/04/15	ME	MW1	10:53	B	19.1	30.1	0.08	22.05	30.51	93.40	6.83	1.88	8.02	7.5
2022/04/15	ME	MW1	10:54	M	10.6	347.1	0.30	22.13	30.25	93.79	6.86	1.78	8.03	7.8
2022/04/15	ME	MW1	10:55	T	1.1	327.3	0.45	22.32	29.61	95.28	6.97	1.68	8.03	4.8

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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)
2022/04/15	MF	MW1	19:00	B	19.9	107.0	0.18	22.13	30.78	93.69	6.83	3.38	8.08	3.9
2022/04/15	MF	MW1	19:00	M	11.1	273.4	0.24	22.19	30.60	93.49	6.82	2.98	8.08	5.4
2022/04/15	MF	MW1	19:01	T	1.0	294.6	0.43	22.46	29.72	95.07	6.94	1.28	8.09	3.2
2022/04/15	MF	MW1	19:02	B	20.2	49.6	0.25	22.12	30.83	92.19	6.72	3.18	8.08	3.9
2022/04/15	MF	MW1	19:03	M	11.1	60.2	0.36	22.20	30.59	93.08	6.79	2.78	8.09	5.4
2022/04/15	MF	MW1	19:04	T	1.2	259.4	0.51	22.40	29.85	93.97	6.86	1.68	8.10	3.2
2022/04/15	MF	DS1	16:53	B	11.2	275.4	0.23	22.64	27.57	93.83	6.91	11.88	8.09	17.6
2022/04/15	MF	DS1	16:54	M	6.5	195.6	0.08	22.83	26.90	94.93	6.99	7.98	8.10	11.4
2022/04/15	MF	DS1	16:54	T	0.9	314.6	0.37	23.40	26.02	98.82	7.24	2.68	8.12	2.8
2022/04/15	MF	DS1	16:55	B	11.2	326.1	0.53	22.67	27.50	94.02	6.92	13.18	8.09	18.1
2022/04/15	MF	DS1	16:56	M	6.6	187.3	0.28	22.73	27.26	94.12	6.93	11.08	8.10	11.3
2022/04/15	MF	DS1	16:56	T	0.9	271.8	1.28	23.37	26.07	98.61	7.23	3.08	8.12	2.7
2022/04/15	MF	DS2	17:02	B	8.8	333.0	0.43	22.83	26.95	94.40	6.95	11.38	8.11	12.7
2022/04/15	MF	DS2	17:03	M	5.6	322.9	0.64	22.94	26.69	95.49	7.03	8.78	8.11	12.9
2022/04/15	MF	DS2	17:03	T	0.9	301.3	0.73	23.25	26.17	97.79	7.18	4.58	8.12	12.8
2022/04/15	MF	DS2	17:04	B	9.1	303.9	0.39	22.86	26.91	94.79	6.98	10.98	8.11	13.0
2022/04/15	MF	DS2	17:05	M	5.7	296.5	0.35	22.94	26.70	95.49	7.03	8.28	8.11	12.2
2022/04/15	MF	DS2	17:06	T	1.1	277.8	0.85	23.28	26.09	98.08	7.20	3.48	8.13	12.5
2022/04/15	MF	DS3	17:12	B	9.0	359.8	1.02	22.80	27.05	96.46	7.10	9.68	8.11	10.3
2022/04/15	MF	DS3	17:12	M	5.7	340.2	0.50	23.01	26.54	96.46	7.10	6.08	8.12	8.1
2022/04/15	MF	DS3	17:13	T	1.1	309.6	0.70	23.40	25.92	98.95	7.26	2.68	8.13	4.7
2022/04/15	MF	DS3	17:14	B	9.1	340.8	0.65	22.75	27.24	95.06	7.00	10.38	8.10	10.2
2022/04/15	MF	DS3	17:14	M	5.6	292.8	0.80	23.04	26.51	96.15	7.07	6.38	8.11	8.5
2022/04/15	MF	DS3	17:15	T	1.2	291.1	0.75	23.40	25.93	98.74	7.24	2.78	8.13	4.8
2022/04/15	MF	DS4	17:19	B	8.2	292.1	1.09	22.82	26.86	96.63	7.12	7.18	8.11	12.8
2022/04/15	MF	DS4	17:20	M	5.0	279.8	0.70	23.01	26.51	96.83	7.13	5.48	8.11	8.3
2022/04/15	MF	DS4	17:21	T	0.9	290.6	0.74	23.42	25.93	98.62	7.23	2.68	8.12	3.2
2022/04/15	MF	DS4	17:21	B	7.9	321.4	0.55	22.86	26.77	96.03	7.08	6.68	8.11	12.4
2022/04/15	MF	DS4	17:22	M	5.1	268.9	0.65	23.01	26.51	96.42	7.10	5.68	8.10	8.5
2022/04/15	MF	DS4	17:22	T	0.9	322.3	1.17	23.40	25.97	98.32	7.21	2.88	8.11	3.3
2022/04/15	MF	DS5	17:27	B	8.1	304.6	0.25	22.86	26.89	95.41	7.03	8.68	8.11	12.0
2022/04/15	MF	DS5	17:27	M	5.0	294.8	0.53	23.13	26.39	95.91	7.05	6.48	8.11	9.4
2022/04/15	MF	DS5	17:28	T	1.2	268.5	0.61	23.41	25.97	98.60	7.23	2.78	8.12	6.1
2022/04/15	MF	DS5	17:28	B	8.1	302.3	0.67	22.82	27.05	94.11	6.93	9.58	8.10	11.7
2022/04/15	MF	DS5	17:29	M	5.0	52.9	0.08	23.29	26.17	96.70	7.10	5.08	8.11	9.5
2022/04/15	MF	DS5	17:29	T	1.2	299.7	0.85	23.39	26.00	98.19	7.20	2.98	8.12	6.2
2022/04/15	MF	US1	17:47	B	10.2	198.3	0.32	22.30	29.32	92.15	6.76	22.78	8.08	27.1
2022/04/15	MF	US1	17:48	M	6.2	289.8	0.81	22.66	27.64	94.44	6.95	7.88	8.10	5.9
2022/04/15	MF	US1	17:48	T	1.1	291.6	0.54	23.42	26.31	98.32	7.19	3.68	8.13	10.8
2022/04/15	MF	US1	17:50	B	10.0	263.3	0.34	22.33	29.22	92.44	6.78	21.58	8.08	27.1
2022/04/15	MF	US1	17:50	M	6.0	284.4	0.90	23.17	26.89	96.82	7.09	5.68	8.12	5.8
2022/04/15	MF	US1	17:51	T	1.4	344.2	0.90	23.41	26.30	98.41	7.20	3.08	8.13	10.5
2022/04/15	MF	US2	17:56	B	9.2	230.9	0.43	22.33	29.11	92.91	6.82	9.58	8.09	15.6
2022/04/15	MF	US2	17:57	M	5.6	270.8	1.16	22.76	27.44	95.30	7.01	5.38	8.11	9.3
2022/04/15	MF	US2	17:58	T	1.2	289.9	1.10	22.94	27.20	96.49	7.08	3.88	8.11	6.6
2022/04/15	MF	US2	17:58	B	9.1	250.5	0.62	22.34	29.08	92.91	6.82	7.78	8.09	15.6
2022/04/15	MF	US2	17:59	M	5.5	302.1	0.92	22.85	27.35	95.29	7.00	5.08	8.11	9.4
2022/04/15	MF	US2	17:59	T	1.3	291.0	0.84	23.11	26.86	96.98	7.11	3.68	8.12	6.7