

## 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)
2022/05/20	ME	US1	14:48	B	10.0	93.3	0.58	25.02	24.74	81.79	5.87	14.48	8.07	17.5
2022/05/20	ME	US1	14:48	M	6.2	108.3	0.55	25.02	24.57	81.69	5.87	8.58	8.08	9.8
2022/05/20	ME	US1	14:49	T	0.8	116.9	0.70	26.59	19.41	100.64	7.24	2.48	8.15	4.5
2022/05/20	ME	US1	14:51	B	10.4	76.4	0.25	25.01	24.85	81.60	5.85	19.28	8.07	17.4
2022/05/20	ME	US1	14:52	M	6.0	101.5	0.51	25.02	24.55	81.60	5.86	10.28	8.07	10.0
2022/05/20	ME	US1	14:53	T	0.9	108.3	0.69	26.15	19.69	99.95	7.24	2.78	8.15	4.4
2022/05/20	ME	US2	14:58	B	8.9	58.6	0.48	25.02	24.64	80.92	5.81	19.08	8.07	20.7
2022/05/20	ME	US2	14:59	M	5.3	88.5	0.46	25.05	24.34	80.92	5.82	10.28	8.07	12.5
2022/05/20	ME	US2	15:00	T	1.2	118.4	0.99	26.22	19.66	102.28	7.40	2.98	8.15	5.5
2022/05/20	ME	US2	15:01	B	8.9	78.2	0.54	25.02	24.65	80.12	5.75	21.48	8.07	20.6
2022/05/20	ME	US2	15:02	M	5.5	105.3	0.98	25.03	24.49	80.02	5.75	12.78	8.07	12.4
2022/05/20	ME	US2	15:02	T	1.1	137.5	1.03	25.82	20.58	92.96	6.74	4.98	8.13	5.7
2022/05/20	ME	DS1	15:09	B	9.9	75.2	0.13	24.97	25.77	80.04	5.72	17.38	8.07	20.9
2022/05/20	ME	DS1	15:10	M	6.0	57.5	0.34	25.02	24.59	81.25	5.84	10.38	8.08	13.8
2022/05/20	ME	DS1	15:11	T	1.1	92.1	0.97	26.78	19.08	109.84	7.89	2.38	8.19	5.1
2022/05/20	ME	DS1	15:12	B	9.9	74.0	0.39	24.97	25.79	79.75	5.69	16.58	8.07	21.1
2022/05/20	ME	DS1	15:13	M	6.0	83.9	0.57	25.02	24.54	81.56	5.86	9.68	8.08	13.5
2022/05/20	ME	DS1	15:14	T	1.1	86.5	0.83	26.29	19.68	103.03	7.44	2.88	8.17	5.0
2022/05/20	ME	DS2	15:18	B	8.1	109.7	0.42	24.98	25.38	80.37	5.75	12.38	8.06	15.8
2022/05/20	ME	DS2	15:19	M	5.2	101.3	0.59	25.02	24.62	81.07	5.82	8.18	8.07	11.9
2022/05/20	ME	DS2	15:20	T	1.0	92.2	0.39	25.92	20.11	101.85	7.39	2.48	8.15	8.3
2022/05/20	ME	DS2	15:20	B	8.1	0.0	0.31	24.98	25.52	80.27	5.74	15.28	8.06	15.5
2022/05/20	ME	DS2	15:21	M	4.9	70.9	0.87	25.02	24.60	80.98	5.82	9.18	8.07	11.5
2022/05/20	ME	DS2	15:22	T	1.1	96.8	0.88	25.89	20.11	98.74	7.17	3.48	8.15	8.7
2022/05/20	ME	DS3	15:27	B	11.9	72.1	0.30	24.99	25.44	79.89	5.71	16.68	8.07	21.9
2022/05/20	ME	DS3	15:28	M	7.0	99.2	0.30	24.99	25.21	79.89	5.72	10.28	8.07	14.3
2022/05/20	ME	DS3	15:29	T	0.9	95.9	1.12	25.83	20.30	99.37	7.21	2.68	8.14	5.6
2022/05/20	ME	DS3	15:29	B	11.9	254.1	1.61	24.99	25.41	80.60	5.76	15.38	8.07	22.0
2022/05/20	ME	DS3	15:30	M	7.0	131.4	0.69	24.99	25.20	80.00	5.73	10.58	8.07	13.9
2022/05/20	ME	DS3	15:31	T	1.1	114.7	1.03	25.49	21.54	88.03	6.38	4.38	8.11	5.6
2022/05/20	ME	DS4	15:36	B	8.1	58.6	0.46	25.00	25.16	81.72	5.85	13.68	8.06	15.9
2022/05/20	ME	DS4	15:36	M	4.9	110.1	0.93	25.06	24.17	84.53	6.08	7.28	8.09	9.5
2022/05/20	ME	DS4	15:37	T	1.0	93.2	0.79	25.76	20.66	96.38	6.99	2.58	8.12	7.9
2022/05/20	ME	DS4	15:38	B	8.0	108.3	0.44	25.01	25.09	81.23	5.82	12.88	8.06	16.0
2022/05/20	ME	DS4	15:38	M	5.0	100.4	0.47	25.08	24.08	83.64	6.02	5.98	8.08	9.5
2022/05/20	ME	DS4	15:39	T	1.0	89.3	0.90	25.71	21.03	94.99	6.88	2.78	8.12	7.8
2022/05/20	ME	DS5	15:44	B	7.2	100.6	0.94	25.04	24.81	81.84	5.87	13.18	8.06	17.3
2022/05/20	ME	DS5	15:44	M	4.3	90.1	0.64	25.07	24.28	82.15	5.91	7.78	8.07	9.5
2022/05/20	ME	DS5	15:45	T	1.0	98.1	0.98	25.78	20.58	98.12	7.11	2.58	8.13	6.1
2022/05/20	ME	DS5	15:46	B	6.8	73.9	0.62	25.04	24.83	81.45	5.84	13.48	8.06	17.0
2022/05/20	ME	DS5	15:46	M	4.5	117.0	0.61	25.04	24.70	81.35	5.84	11.78	8.07	9.3
2022/05/20	ME	DS5	15:47	T	0.9	98.1	0.98	25.77	20.63	94.71	6.87	3.88	8.13	6.2
2022/05/20	ME	MW1	16:23	B	19.1	22.7	0.51	25.14	26.76	89.20	6.31	2.68	8.12	7.5
2022/05/20	ME	MW1	16:24	M	10.5	51.4	0.42	25.43	25.07	92.72	6.59	1.98	8.12	6.0
2022/05/20	ME	MW1	16:25	T	1.2	46.4	0.56	26.52	21.90	109.62	7.79	1.68	8.20	4.5
2022/05/20	ME	MW1	16:29	B	19.3	39.2	0.62	25.24	25.71	90.92	6.46	2.08	8.10	7.5
2022/05/20	ME	MW1	16:30	M	10.4	39.8	0.95	25.23	25.67	90.32	6.42	1.98	8.09	6.3
2022/05/20	ME	MW1	16:31	T	1.0	101.3	0.39	26.14	22.46	104.51	7.45	1.88	8.14	4.4

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2022/05/20	MF	MW1	08:08	B	19.1	73.1	0.40	24.72	30.42	80.48	5.62	3.88	8.10	10.6
2022/05/20	MF	MW1	08:08	M	10.6	348.7	0.09	24.80	29.04	80.58	5.66	3.08	8.09	6.8
2022/05/20	MF	MW1	08:09	T	1.0	278.2	0.18	25.14	21.55	87.20	6.36	1.58	8.07	5.7
2022/05/20	MF	MW1	08:10	B	19.1	275.2	0.15	24.72	30.41	80.09	5.59	3.68	8.09	10.6
2022/05/20	MF	MW1	08:11	M	10.7	320.3	0.49	24.81	28.78	80.39	5.66	2.88	8.09	6.9
2022/05/20	MF	MW1	08:12	T	1.2	322.0	0.76	25.14	21.54	86.91	6.34	1.68	8.06	5.9
2022/05/20	MF	DS1	09:14	B	11.2	302.5	0.78	24.86	26.96	78.77	5.60	5.98	8.08	10.5
2022/05/20	MF	DS1	09:15	M	6.5	0.0	0.39	25.00	24.80	79.58	5.71	5.88	8.08	12.1
2022/05/20	MF	DS1	09:16	T	1.0	319.8	0.77	25.37	18.37	84.81	6.27	3.08	8.03	6.2
2022/05/20	MF	DS1	09:17	B	10.9	259.4	0.54	24.86	26.63	78.28	5.57	4.98	8.07	10.0
2022/05/20	MF	DS1	09:20	M	6.4	240.7	0.27	25.12	22.42	80.80	5.87	4.08	8.06	12.3
2022/05/20	MF	DS1	09:18	T	1.1	296.2	0.82	25.31	18.78	84.12	6.21	2.98	8.02	6.4
2022/05/20	MF	DS2	09:25	B	9.0	316.9	0.71	24.90	26.11	78.81	5.62	5.78	8.06	11.4
2022/05/20	MF	DS2	09:26	M	5.6	293.7	0.55	25.05	23.73	80.33	5.79	4.38	8.05	7.5
2022/05/20	MF	DS2	09:27	T	1.2	274.1	0.44	25.23	18.86	82.04	6.07	3.18	8.01	5.3
2022/05/20	MF	DS2	09:27	B	9.0	359.7	0.17	24.90	26.09	78.22	5.58	5.48	8.05	11.1
2022/05/20	MF	DS2	09:28	M	5.6	259.1	0.50	25.05	23.80	80.04	5.77	4.28	8.05	7.9
2022/05/20	MF	DS2	09:29	T	1.1	294.2	0.44	25.34	18.57	83.77	6.19	3.08	8.02	5.5
2022/05/20	MF	DS3	09:34	B	9.1	94.8	0.08	24.90	26.00	78.65	5.62	7.08	8.05	13.9
2022/05/20	MF	DS3	09:34	M	5.5	13.5	1.17	24.99	24.81	79.16	5.68	4.68	8.06	8.7
2022/05/20	MF	DS3	09:35	T	1.0	352.0	0.63	25.30	19.25	82.39	6.07	2.98	8.02	5.8
2022/05/20	MF	DS3	09:36	B	9.2	58.6	0.42	24.90	26.00	77.86	5.56	7.28	8.05	14.1
2022/05/20	MF	DS3	09:37	M	5.7	346.0	0.53	24.99	24.85	78.87	5.66	4.88	8.04	8.9
2022/05/20	MF	DS3	09:38	T	1.2	357.6	0.53	25.22	19.62	81.19	5.98	3.08	8.01	6.0
2022/05/20	MF	DS4	09:43	B	9.5	29.9	0.13	24.91	25.90	78.29	5.59	8.38	8.04	12.8
2022/05/20	MF	DS4	09:43	M	5.4	313.3	0.68	25.11	22.73	80.31	5.82	4.08	8.04	9.2
2022/05/20	MF	DS4	09:44	T	1.0	282.3	0.76	25.44	18.50	83.74	6.18	2.88	7.99	6.6
2022/05/20	MF	DS4	09:45	B	8.9	18.1	0.43	24.93	25.56	77.80	5.57	9.68	8.04	12.5
2022/05/20	MF	DS4	09:46	M	5.8	270.0	0.54	25.04	24.04	79.11	5.70	4.98	8.04	9.0
2022/05/20	MF	DS4	09:46	T	1.2	322.0	0.52	25.29	19.28	81.63	6.01	2.98	8.01	6.5
2022/05/20	MF	DS5	09:51	B	9.1	350.8	0.27	24.94	25.36	78.73	5.64	8.48	8.04	13.5
2022/05/20	MF	DS5	09:52	M	5.5	268.3	0.20	25.15	22.34	80.85	5.87	4.08	8.04	10.9
2022/05/20	MF	DS5	09:53	T	1.0	320.6	0.77	25.39	18.63	83.27	6.15	2.78	8.00	6.4
2022/05/20	MF	DS5	09:53	B	9.3	326.3	0.52	24.97	25.07	77.83	5.58	10.38	8.02	13.7
2022/05/20	MF	DS5	09:54	M	5.5	244.5	0.64	25.14	22.72	80.76	5.85	4.28	8.03	11.3
2022/05/20	MF	DS5	09:55	T	1.2	308.4	0.37	25.35	19.28	82.28	6.06	2.78	8.00	6.6
2022/05/20	MF	US1	10:11	B	10.3	311.5	0.71	24.91	27.18	83.16	5.90	12.48	8.06	17.6
2022/05/20	MF	US1	10:11	M	6.1	325.1	0.77	24.94	26.75	82.35	5.85	7.08	8.06	12.0
2022/05/20	MF	US1	10:12	T	1.1	289.8	0.44	25.29	22.36	87.10	6.31	2.18	8.05	5.0
2022/05/20	MF	US1	10:14	B	10.2	264.9	0.93	24.91	27.17	81.76	5.80	13.78	8.06	17.4
2022/05/20	MF	US1	10:14	M	5.9	251.3	0.20	24.95	26.65	82.16	5.84	5.68	8.06	12.4
2022/05/20	MF	US1	10:15	T	1.0	7.5	0.42	25.31	22.28	87.32	6.32	2.28	8.05	5.1
2022/05/20	MF	US2	10:19	B	9.2	287.0	0.69	24.84	28.43	82.29	5.80	8.88	8.07	22.8
2022/05/20	MF	US2	10:20	M	5.7	278.5	0.91	25.04	25.43	83.20	5.94	2.68	8.05	5.7
2022/05/20	MF	US2	10:20	T	1.2	322.0	0.33	25.36	21.99	88.15	6.39	2.38	8.05	5.5
2022/05/20	MF	US2	10:21	B	9.1	286.6	0.50	24.84	28.46	81.69	5.76	9.88	8.07	23.1
2022/05/20	MF	US2	10:22	M	5.5	260.6	0.78	25.01	25.62	82.50	5.89	2.68	8.06	5.7
2022/05/20	MF	US2	10:22	T	1.2	352.3	0.40	25.34	22.11	87.45	6.34	2.18	8.06	5.3