

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)
2022/05/13	ME	US1	11:21	B	10.3	132.8	0.28	25.00	27.47	80.57	5.69	8.88	8.04	10.4
2022/05/13	ME	US1	11:22	M	6.0	53.0	0.20	25.08	24.17	80.37	5.78	6.98	8.05	10.4
2022/05/13	ME	US1	11:22	T	1.2	123.2	1.13	25.18	15.02	90.99	6.88	2.88	8.05	5.9
2022/05/13	ME	US1	11:23	B	10.1	96.7	0.72	25.03	26.82	79.97	5.67	7.58	8.04	10.5
2022/05/13	ME	US1	11:24	M	5.8	89.3	0.24	25.09	23.23	80.67	5.83	6.38	8.05	10.4
2022/05/13	ME	US1	11:24	T	1.2	135.9	0.91	25.17	15.10	90.90	6.87	2.78	8.05	5.9
2022/05/13	ME	US2	11:29	B	8.0	100.5	0.31	25.00	27.89	81.18	5.72	10.78	8.03	14.5
2022/05/13	ME	US2	11:30	M	5.3	109.8	0.79	25.13	20.09	81.98	6.03	7.18	8.03	6.8
2022/05/13	ME	US2	11:31	T	1.2	92.5	1.11	25.24	15.05	91.51	6.91	2.28	8.03	4.0
2022/05/13	ME	US2	11:31	B	8.2	101.4	0.42	25.00	27.99	80.98	5.71	10.98	8.03	15.2
2022/05/13	ME	US2	11:32	M	5.3	123.5	0.65	25.14	15.59	87.10	6.57	4.18	8.04	6.7
2022/05/13	ME	US2	11:32	T	1.3	92.5	1.11	25.22	15.04	92.01	6.95	2.68	8.04	4.0
2022/05/13	ME	DS1	11:40	B	9.3	138.4	0.70	24.95	28.02	81.20	5.73	5.48	8.03	3.3
2022/05/13	ME	DS1	11:41	M	5.6	80.9	0.65	25.08	23.84	81.90	5.90	3.98	8.04	4.0
2022/05/13	ME	DS1	11:41	T	0.9	123.9	0.65	25.20	15.15	91.82	6.94	2.48	8.05	4.0
2022/05/13	ME	DS1	11:42	B	9.3	14.8	0.20	24.95	28.04	81.00	5.71	5.68	8.03	3.2
2022/05/13	ME	DS1	11:43	M	5.5	103.0	0.43	25.06	24.57	80.80	5.80	4.68	8.05	3.9
2022/05/13	ME	DS1	11:43	T	0.8	123.9	0.65	25.20	15.11	91.83	6.94	2.58	8.05	4.1
2022/05/13	ME	DS2	11:48	B	9.2	63.4	0.40	24.92	28.10	81.31	5.73	5.68	8.03	26.9
2022/05/13	ME	DS2	11:48	M	5.0	65.8	0.63	25.08	20.27	83.81	6.16	3.48	8.04	7.0
2022/05/13	ME	DS2	11:49	T	1.0	90.4	1.03	25.23	15.12	92.14	6.96	2.68	8.05	6.1
2022/05/13	ME	DS2	11:50	B	9.0	336.7	0.34	24.91	28.31	80.61	5.68	6.88	8.03	26.1
2022/05/13	ME	DS2	11:50	M	5.6	61.4	0.41	25.06	24.25	81.61	5.87	4.18	8.05	7.0
2022/05/13	ME	DS2	11:51	T	1.1	85.2	1.82	25.20	15.26	92.04	6.95	2.48	8.06	6.1
2022/05/13	ME	DS3	11:55	B	12.3	73.6	0.25	24.91	28.38	80.92	5.70	6.68	8.03	11.3
2022/05/13	ME	DS3	11:56	M	7.2	3.1	0.34	25.01	25.95	81.22	5.79	4.48	8.04	13.2
2022/05/13	ME	DS3	11:57	T	1.2	126.9	0.98	25.22	15.14	90.94	6.87	2.68	8.05	6.5
2022/05/13	ME	DS3	11:57	B	12.2	230.1	0.13	24.91	28.42	79.71	5.61	6.58	8.03	10.9
2022/05/13	ME	DS3	11:58	M	6.9	191.4	0.25	25.01	25.96	81.22	5.79	4.38	8.04	13.4
2022/05/13	ME	DS3	11:59	T	1.2	108.5	0.91	25.21	15.28	91.55	6.91	2.38	8.05	6.7
2022/05/13	ME	DS4	12:04	B	8.2	60.7	0.54	25.01	26.35	80.12	5.70	5.28	8.02	6.5
2022/05/13	ME	DS4	12:04	M	4.5	104.1	0.70	25.07	22.06	83.33	6.07	2.88	8.04	5.5
2022/05/13	ME	DS4	12:05	T	1.3	97.6	1.02	25.23	15.25	91.66	6.92	2.28	8.04	4.5
2022/05/13	ME	DS4	12:06	B	8.2	225.6	1.43	25.02	26.23	81.43	5.79	4.18	8.02	6.7
2022/05/13	ME	DS4	12:06	M	5.1	19.0	0.46	25.07	23.83	83.94	6.05	4.88	8.04	5.5
2022/05/13	ME	DS4	12:07	T	1.0	86.8	0.98	25.22	15.24	92.36	6.97	2.58	8.04	4.3
2022/05/13	ME	DS5	12:11	B	7.1	43.9	0.45	25.07	24.36	82.74	5.95	5.78	8.00	8.7
2022/05/13	ME	DS5	12:11	M	4.1	52.5	0.46	25.08	19.98	85.55	6.30	2.88	8.02	5.7
2022/05/13	ME	DS5	12:12	T	1.2	96.1	1.08	25.26	15.22	92.77	7.00	2.28	8.03	5.0
2022/05/13	ME	DS5	12:13	B	7.2	150.5	0.27	25.06	24.83	81.34	5.83	6.68	8.01	9.2
2022/05/13	ME	DS5	12:13	M	4.2	93.7	1.01	25.07	19.79	85.25	6.29	2.98	8.03	5.7
2022/05/13	ME	DS5	12:14	T	1.2	96.1	1.08	25.23	15.27	92.47	6.98	2.28	8.03	5.0
2022/05/13	ME	MW1	09:47	B	19.0	18.0	0.42	24.74	30.52	83.35	5.82	3.78	8.08	9.8
2022/05/13	ME	MW1	09:48	M	10.5	166.7	0.38	24.89	26.29	84.75	6.04	1.58	8.08	6.9
2022/05/13	ME	MW1	09:49	T	1.1	80.3	0.43	25.01	20.25	90.35	6.65	0.68	8.08	1.9
2022/05/13	ME	MW1	09:50	B	19.1	49.6	0.86	24.74	30.60	82.85	5.78	6.58	8.09	9.4
2022/05/13	ME	MW1	09:51	M	10.5	342.4	0.20	24.88	26.40	84.45	6.02	1.78	8.08	6.7
2022/05/13	ME	MW1	09:52	T	1.0	109.6	0.58	25.02	20.02	89.86	6.62	0.98	8.08	1.9

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2022/05/13	MF	MW1	17:42	B	19.1	53.7	0.44	24.74	31.28	84.02	5.84	6.18	8.04	9.0
2022/05/13	MF	MW1	17:43	M	10.5	55.2	0.56	24.84	28.72	83.22	5.86	3.68	8.03	9.3
2022/05/13	MF	MW1	17:44	T	1.0	321.1	0.24	25.06	23.59	86.90	6.27	1.68	8.04	5.8
2022/05/13	MF	MW1	17:45	B	19.1	65.0	0.45	24.76	31.00	83.72	5.82	5.58	8.04	8.7
2022/05/13	MF	MW1	17:45	M	10.4	107.9	0.76	24.87	28.28	83.81	5.91	3.28	8.03	9.3
2022/05/13	MF	MW1	17:46	T	1.0	41.3	0.09	25.15	21.49	88.48	6.45	1.28	8.02	5.7
2022/05/13	MF	DS1	15:50	B	9.2	238.1	0.72	25.02	26.46	80.78	5.74	7.48	8.00	15.0
2022/05/13	MF	DS1	15:50	M	5.6	343.2	0.37	25.20	17.38	88.17	6.58	2.48	8.02	8.4
2022/05/13	MF	DS1	15:51	T	1.0	62.3	0.21	25.64	13.82	92.66	7.00	1.68	7.99	4.2
2022/05/13	MF	DS1	15:52	B	8.8	322.5	0.58	25.06	25.26	80.58	5.76	7.58	8.00	15.3
2022/05/13	MF	DS1	15:52	M	5.6	312.3	0.37	25.20	17.32	87.46	6.53	3.08	8.02	8.3
2022/05/13	MF	DS1	15:53	T	1.1	146.5	0.25	25.56	13.72	92.26	6.98	1.58	8.00	4.3
2022/05/13	MF	DS2	15:57	B	8.0	265.7	0.37	25.13	23.31	82.06	5.93	5.68	7.99	12.3
2022/05/13	MF	DS2	15:58	M	5.0	323.6	0.29	25.16	18.10	85.15	6.33	2.78	8.01	5.4
2022/05/13	MF	DS2	15:58	T	0.8	313.1	0.33	25.75	10.78	92.44	7.09	2.08	8.00	4.4
2022/05/13	MF	DS2	15:59	B	8.0	268.9	0.84	25.13	23.19	81.45	5.89	4.38	7.99	12.0
2022/05/13	MF	DS2	16:00	M	5.1	353.5	0.60	25.16	18.33	84.75	6.29	2.68	8.00	5.4
2022/05/13	MF	DS2	16:00	T	1.2	19.4	0.21	25.58	13.67	84.74	6.41	2.28	7.99	4.1
2022/05/13	MF	DS3	16:04	B	8.1	274.5	0.87	25.12	24.25	81.24	5.84	3.78	7.98	7.6
2022/05/13	MF	DS3	16:05	M	5.1	25.8	0.27	25.20	17.99	85.33	6.34	2.08	8.00	5.0
2022/05/13	MF	DS3	16:05	T	1.1	72.8	0.14	25.55	13.44	90.72	6.88	1.68	7.98	4.4
2022/05/13	MF	DS3	16:06	B	8.0	298.7	0.90	25.12	24.19	81.43	5.85	3.58	7.98	7.6
2022/05/13	MF	DS3	16:07	M	5.0	327.7	0.67	25.22	17.54	86.72	6.46	1.98	8.00	4.8
2022/05/13	MF	DS3	16:07	T	1.0	72.8	0.14	25.59	13.42	90.91	6.89	1.98	7.98	4.2
2022/05/13	MF	DS4	16:11	B	8.3	330.5	0.37	25.13	24.07	82.21	5.91	4.18	7.97	9.7
2022/05/13	MF	DS4	16:12	M	5.1	272.5	0.26	25.19	19.27	84.41	6.23	1.88	7.99	3.4
2022/05/13	MF	DS4	16:12	T	0.9	315.4	0.82	25.49	14.97	89.20	6.71	1.68	7.99	7.0
2022/05/13	MF	DS4	16:13	B	8.2	310.1	0.42	25.16	22.49	81.61	5.92	2.98	7.98	9.8
2022/05/13	MF	DS4	16:14	M	5.2	308.5	0.38	25.19	19.02	84.50	6.25	1.78	7.99	3.4
2022/05/13	MF	DS4	16:14	T	1.0	145.3	0.49	25.53	14.32	89.59	6.76	1.58	7.99	7.0
2022/05/13	MF	DS5	16:18	B	8.2	307.7	0.37	25.16	23.28	80.60	5.82	5.68	7.97	10.1
2022/05/13	MF	DS5	16:19	M	4.9	281.6	0.36	25.27	17.80	85.08	6.32	1.88	7.99	2.6
2022/05/13	MF	DS5	16:20	T	0.9	82.3	0.19	25.61	12.41	91.17	6.94	1.88	7.98	3.8
2022/05/13	MF	DS5	16:20	B	8.1	285.5	0.33	25.17	22.43	82.09	5.95	3.78	7.96	10.2
2022/05/13	MF	DS5	16:21	M	5.1	310.6	0.32	25.27	17.67	85.18	6.34	1.88	7.99	2.6
2022/05/13	MF	DS5	16:21	T	0.9	82.3	0.19	25.65	10.84	91.36	7.02	1.88	7.98	3.7
2022/05/13	MF	US1	16:37	B	10.1	334.8	0.47	25.05	26.18	82.93	5.90	6.38	7.99	14.5
2022/05/13	MF	US1	16:37	M	6.2	326.6	0.47	25.17	18.28	85.82	6.37	2.68	8.00	5.4
2022/05/13	MF	US1	16:38	T	1.0	275.6	0.61	25.50	14.50	93.40	7.04	1.68	8.00	4.1
2022/05/13	MF	US1	16:38	B	9.9	298.9	0.40	25.06	26.01	82.33	5.86	5.98	8.00	14.5
2022/05/13	MF	US1	16:39	M	5.7	277.3	0.63	25.17	18.97	85.12	6.30	2.98	8.00	5.3
2022/05/13	MF	US1	16:40	T	1.0	351.5	0.61	25.43	15.29	92.19	6.93	2.18	8.01	4.0
2022/05/13	MF	US2	16:44	B	7.0	248.1	0.67	25.10	23.43	85.70	6.19	3.38	7.99	8.0
2022/05/13	MF	US2	16:44	M	4.5	4.2	0.53	25.28	16.73	90.08	6.73	1.68	8.01	13.5
2022/05/13	MF	US2	16:45	T	0.8	4.0	0.61	25.65	13.90	94.67	7.15	1.58	7.99	3.9
2022/05/13	MF	US2	16:45	B	7.0	305.3	0.56	25.16	20.27	87.49	6.42	2.18	7.99	7.7
2022/05/13	MF	US2	16:46	M	4.6	308.5	0.96	25.28	16.84	90.08	6.73	1.78	8.00	12.9
2022/05/13	MF	US2	16:47	T	0.9	4.0	0.61	25.66	13.80	94.66	7.15	1.48	7.99	3.9