

## 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)
2022/04/25	ME	US1	09:39	B	10.1	290.3	0.34	23.71	27.77	87.57	6.32	4.28	8.01	6.3
2022/04/25	ME	US1	09:40	M	6.0	176.3	0.63	24.06	26.86	91.74	6.61	3.28	8.04	5.3
2022/04/25	ME	US1	09:41	T	1.1	172.2	0.32	25.48	21.17	126.62	9.20	2.18	8.22	4.7
2022/04/25	ME	US1	09:42	B	10.0	356.4	0.24	23.67	27.85	87.06	6.29	4.58	8.00	6.4
2022/04/25	ME	US1	09:42	M	6.0	187.3	0.44	24.16	26.50	93.72	6.76	3.08	8.05	5.4
2022/04/25	ME	US1	09:43	T	1.0	136.2	0.93	25.63	20.08	124.62	9.09	2.28	8.23	4.7
2022/04/25	ME	US2	09:47	B	8.1	106.0	0.50	23.87	27.31	88.63	6.39	5.78	8.01	8.4
2022/04/25	ME	US2	09:48	M	5.1	130.0	0.44	24.50	25.49	98.56	7.11	3.38	8.08	7.1
2022/04/25	ME	US2	09:48	T	1.1	141.0	0.83	25.65	19.75	130.84	9.55	2.48	8.25	4.3
2022/04/25	ME	US2	09:49	B	7.9	112.7	0.68	23.84	27.42	90.90	6.56	5.98	8.01	8.5
2022/04/25	ME	US2	09:50	M	5.1	78.6	0.43	24.15	26.73	92.49	6.66	3.98	8.04	7.0
2022/04/25	ME	US2	09:50	T	1.2	97.9	0.78	25.26	22.36	121.89	8.83	2.28	8.20	4.3
2022/04/25	ME	DS1	09:57	B	10.0	319.7	0.28	23.54	28.24	83.62	6.04	4.88	7.98	6.8
2022/04/25	ME	DS1	09:57	M	6.0	157.4	0.27	23.82	27.42	86.59	6.25	5.88	8.01	6.2
2022/04/25	ME	DS1	09:58	T	1.2	114.0	0.73	25.53	21.13	119.46	8.67	2.38	8.20	5.1
2022/04/25	ME	DS1	09:59	B	10.0	36.1	0.41	23.56	28.15	84.80	6.12	3.88	7.98	6.9
2022/04/25	ME	DS1	09:59	M	6.1	92.0	0.42	23.95	27.08	89.17	6.43	3.58	8.02	6.3
2022/04/25	ME	DS1	10:00	T	1.0	133.7	0.35	25.68	19.87	119.25	8.70	2.18	8.22	4.9
2022/04/25	ME	DS2	10:05	B	10.1	237.6	0.14	23.62	28.12	85.67	6.18	3.18	7.99	8.0
2022/04/25	ME	DS2	10:05	M	5.8	54.6	0.61	24.06	26.82	92.21	6.65	2.68	8.04	4.7
2022/04/25	ME	DS2	10:06	T	1.1	134.5	1.39	25.50	21.69	122.58	8.88	1.78	8.20	6.3
2022/04/25	ME	DS2	10:07	B	10.0	170.3	0.14	23.61	28.11	87.05	6.28	3.18	7.99	8.3
2022/04/25	ME	DS2	10:07	M	6.0	97.7	0.34	24.10	26.70	93.40	6.73	2.68	8.03	4.6
2022/04/25	ME	DS2	10:08	T	1.2	99.3	0.98	25.44	21.82	119.99	8.69	1.78	8.19	6.3
2022/04/25	ME	DS3	10:13	B	12.0	291.7	0.25	23.31	29.10	80.07	5.78	6.58	7.96	13.7
2022/04/25	ME	DS3	10:13	M	6.9	51.2	0.25	23.98	27.08	90.39	6.52	2.88	8.02	5.7
2022/04/25	ME	DS3	10:14	T	1.2	83.2	0.81	25.18	22.89	119.95	8.68	1.78	8.17	3.6
2022/04/25	ME	DS3	10:15	B	12.0	73.9	0.21	23.32	29.15	81.36	5.87	6.68	7.96	13.9
2022/04/25	ME	DS3	10:15	M	7.1	72.3	0.23	23.99	27.06	90.08	6.50	2.88	8.02	5.7
2022/04/25	ME	DS3	10:16	T	1.2	106.2	0.53	25.47	21.91	120.04	8.69	1.68	8.19	3.7
2022/04/25	ME	DS4	10:21	B	8.0	74.7	0.29	23.82	27.45	90.06	6.50	4.08	8.00	6.6
2022/04/25	ME	DS4	10:21	M	4.9	130.6	0.48	24.14	26.59	94.42	6.81	2.58	8.03	7.2
2022/04/25	ME	DS4	10:22	T	0.9	115.4	1.12	25.14	22.91	117.23	8.48	1.58	8.16	4.7
2022/04/25	ME	DS4	10:23	B	8.0	47.1	0.42	23.81	27.52	89.55	6.46	3.78	7.99	6.5
2022/04/25	ME	DS4	10:23	M	4.9	93.0	0.66	24.12	26.64	93.72	6.76	2.58	8.03	7.2
2022/04/25	ME	DS4	10:24	T	1.2	128.7	0.89	25.26	22.71	122.57	8.86	1.98	8.18	4.6
2022/04/25	ME	DS5	10:29	B	8.0	48.1	0.71	23.72	27.74	86.95	6.28	5.08	7.99	10.1
2022/04/25	ME	DS5	10:29	M	4.9	90.2	0.29	24.16	26.61	95.17	6.86	2.28	8.04	6.3
2022/04/25	ME	DS5	10:30	T	1.1	99.2	0.83	25.15	22.86	118.57	8.58	1.48	8.17	5.4
2022/04/25	ME	DS5	10:31	B	8.0	96.6	0.38	23.67	27.91	87.04	6.28	5.88	7.98	10.1
2022/04/25	ME	DS5	10:31	M	5.0	67.2	0.73	23.99	27.01	90.90	6.56	3.88	8.01	6.3
2022/04/25	ME	DS5	10:32	T	1.1	63.8	0.78	25.30	22.59	118.65	8.58	1.58	8.16	5.5
2022/04/25	ME	MW1	08:25	B	20.1	249.7	0.27	22.92	31.38	85.01	6.09	4.08	8.05	8.2
2022/04/25	ME	MW1	08:26	M	10.8	301.3	0.32	22.97	31.12	84.71	6.08	1.98	8.05	4.8
2022/04/25	ME	MW1	08:27	T	1.0	144.3	0.14	23.79	28.46	89.79	6.45	1.38	8.05	4.2
2022/04/25	ME	MW1	08:28	B	20.2	3.0	0.23	22.91	31.39	84.90	6.09	2.38	8.06	8.2
2022/04/25	ME	MW1	08:29	M	10.9	231.3	0.35	22.98	31.07	84.60	6.07	2.08	8.05	4.8
2022/04/25	ME	MW1	08:30	T	1.1	88.8	0.14	23.74	28.63	89.18	6.40	1.38	8.05	4.4

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2022/04/25	MF	MW1	15:01	B	19.0	144.4	0.13	23.04	31.25	85.88	6.15	2.38	8.04	6.7
2022/04/25	MF	MW1	15:02	M	10.6	287.0	0.27	23.34	30.31	87.18	6.24	1.88	8.03	6.8
2022/04/25	MF	MW1	15:03	T	1.2	76.0	0.68	24.49	28.01	114.81	8.16	1.48	8.14	6.4
2022/04/25	MF	MW1	15:04	B	19.0	122.8	0.21	22.98	31.38	85.68	6.14	3.18	8.03	6.8
2022/04/25	MF	MW1	15:05	M	10.8	172.9	0.43	23.32	30.37	86.58	6.20	2.38	8.03	6.9
2022/04/25	MF	MW1	15:06	T	0.9	254.4	0.49	24.07	28.67	99.50	7.10	1.28	8.07	6.5
2022/04/25	MF	DS1	13:12	B	10.1	97.9	0.23	23.45	28.62	82.03	5.92	6.48	7.93	11.6
2022/04/25	MF	DS1	13:13	M	6.0	68.8	0.08	24.01	27.41	86.43	6.22	3.98	7.97	7.9
2022/04/25	MF	DS1	13:13	T	1.2	294.3	0.20	24.49	24.58	98.14	7.11	4.08	8.04	6.9
2022/04/25	MF	DS1	13:14	B	10.1	224.3	0.42	23.45	28.63	82.23	5.93	5.18	7.93	11.5
2022/04/25	MF	DS1	13:15	M	6.1	246.1	0.49	24.14	27.31	87.63	6.29	3.78	7.97	8.2
2022/04/25	MF	DS1	13:15	T	1.1	99.2	0.69	25.46	22.52	134.15	9.67	2.98	8.25	6.8
2022/04/25	MF	DS2	13:21	B	8.9	266.8	0.40	23.49	28.51	81.33	5.87	4.58	7.94	10.3
2022/04/25	MF	DS2	13:22	M	5.5	10.4	0.30	24.08	26.54	90.84	6.56	4.58	7.99	9.7
2022/04/25	MF	DS2	13:22	T	1.1	138.8	0.19	24.62	24.32	107.15	7.76	4.08	8.07	7.2
2022/04/25	MF	DS2	13:23	B	9.0	250.6	0.19	23.50	28.47	82.84	5.98	4.48	7.93	10.5
2022/04/25	MF	DS2	13:24	M	5.5	309.0	0.50	24.10	26.72	92.64	6.68	4.08	7.99	9.4
2022/04/25	MF	DS2	13:25	T	1.2	128.4	0.50	25.10	23.50	123.75	8.93	3.48	8.19	7.3
2022/04/25	MF	DS3	13:30	B	8.9	287.1	0.27	23.50	28.45	83.14	6.00	5.08	7.94	9.3
2022/04/25	MF	DS3	13:30	M	5.6	109.7	0.14	24.04	26.18	92.74	6.71	4.48	8.01	8.2
2022/04/25	MF	DS3	13:31	T	1.1	155.3	0.60	24.86	23.88	116.65	8.44	3.38	8.14	10.2
2022/04/25	MF	DS3	13:32	B	9.1	297.9	0.28	23.44	28.63	82.34	5.94	4.98	7.94	9.2
2022/04/25	MF	DS3	13:32	M	5.4	250.6	0.32	23.99	26.50	91.04	6.59	4.88	8.00	8.2
2022/04/25	MF	DS3	13:33	T	1.2	208.0	0.50	24.26	25.50	95.35	6.90	4.28	8.00	10.2
2022/04/25	MF	DS4	13:38	B	8.9	204.2	0.38	23.63	28.07	87.04	6.28	4.08	7.96	5.7
2022/04/25	MF	DS4	13:38	M	5.6	255.4	0.44	24.00	26.87	88.34	6.38	4.48	7.98	5.3
2022/04/25	MF	DS4	13:39	T	1.0	352.8	0.91	25.40	22.72	112.06	8.08	3.48	8.18	14.0
2022/04/25	MF	DS4	13:39	B	8.8	182.0	0.17	23.68	27.91	86.94	6.27	3.98	7.96	5.7
2022/04/25	MF	DS4	13:40	M	5.6	20.4	0.55	24.00	26.91	88.55	6.39	4.28	7.98	5.3
2022/04/25	MF	DS4	13:41	T	1.2	159.1	0.35	25.94	22.42	135.57	9.70	3.08	8.26	14.5
2022/04/25	MF	DS5	13:45	B	7.9	325.9	0.21	23.75	27.68	86.25	6.22	3.98	7.95	7.2
2022/04/25	MF	DS5	13:45	M	5.1	309.3	0.36	24.09	26.71	90.85	6.55	3.68	7.99	6.0
2022/04/25	MF	DS5	13:46	T	1.1	122.6	0.28	24.73	24.50	101.96	7.36	2.78	8.07	7.4
2022/04/25	MF	DS5	13:47	B	8.1	220.0	0.15	23.73	27.75	86.45	6.24	3.48	7.95	7.3
2022/04/25	MF	DS5	13:47	M	5.1	299.2	0.36	24.11	26.66	91.45	6.59	3.68	7.99	6.0
2022/04/25	MF	DS5	13:48	T	1.1	111.3	0.42	26.08	22.89	161.49	11.50	2.98	8.36	7.3
2022/04/25	MF	US1	14:01	B	10.0	270.2	0.29	23.94	27.31	91.86	6.62	2.98	7.97	4.0
2022/04/25	MF	US1	14:02	M	6.1	293.9	0.31	23.86	27.48	88.76	6.40	3.28	7.98	4.9
2022/04/25	MF	US1	14:02	T	1.1	320.8	0.24	24.22	25.92	95.36	6.89	3.08	8.04	6.5
2022/04/25	MF	US1	14:03	B	10.0	278.9	0.81	23.49	28.67	84.35	6.08	3.28	7.96	3.8
2022/04/25	MF	US1	14:04	M	6.0	326.6	0.42	24.15	26.68	93.16	6.71	2.48	8.02	4.7
2022/04/25	MF	US1	14:04	T	1.1	177.4	0.16	24.19	26.58	95.56	6.88	2.48	8.02	6.6
2022/04/25	MF	US2	14:09	B	9.9	303.1	0.20	23.24	29.61	78.55	5.66	6.78	7.95	13.6
2022/04/25	MF	US2	14:09	M	6.1	358.8	0.35	23.95	27.19	88.06	6.35	4.48	7.99	8.4
2022/04/25	MF	US2	14:10	T	1.1	275.3	0.11	25.16	23.87	125.78	9.05	2.98	8.17	7.0
2022/04/25	MF	US2	14:11	B	10.1	321.1	0.55	23.23	29.69	81.35	5.86	6.88	7.96	13.3
2022/04/25	MF	US2	14:11	M	6.0	288.1	0.31	23.85	27.43	84.36	6.08	5.18	7.97	8.4
2022/04/25	MF	US2	14:12	T	1.1	193.6	0.34	25.14	23.94	118.98	8.56	3.18	8.17	7.0