

## 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)
2022/05/27	ME	US1	11:30	B	9.9	58.9	0.62	25.77	26.63	80.60	5.65	30.01	7.97	26.8
2022/05/27	ME	US1	11:31	M	6.1	85.9	1.07	25.90	25.18	80.50	5.68	18.51	7.97	17.2
2022/05/27	ME	US1	11:31	T	1.1	75.5	1.16	26.24	20.10	86.10	6.21	6.51	7.98	9.9
2022/05/27	ME	US1	11:32	B	9.9	274.3	0.18	25.76	26.72	79.80	5.59	27.81	7.97	28.9
2022/05/27	ME	US1	11:33	M	6.1	113.5	0.39	25.90	25.21	80.10	5.65	16.01	7.97	16.3
2022/05/27	ME	US1	11:34	T	1.2	119.0	1.00	26.23	20.67	85.00	6.11	7.11	7.98	9.4
2022/05/27	ME	US2	11:44	B	8.1	127.5	0.69	25.84	25.76	82.40	5.80	12.51	7.95	15.9
2022/05/27	ME	US2	11:45	M	5.1	115.3	1.10	26.07	23.03	82.20	5.85	6.51	7.96	10.7
2022/05/27	ME	US2	11:45	T	0.9	127.8	0.73	26.55	15.69	91.30	6.72	3.81	7.99	5.8
2022/05/27	ME	US2	11:46	B	7.7	124.9	0.63	25.86	25.63	80.60	5.67	14.31	7.95	15.5
2022/05/27	ME	US2	11:47	M	5.0	128.2	0.90	26.04	23.40	81.60	5.80	7.81	7.96	10.4
2022/05/27	ME	US2	11:47	T	1.2	204.3	0.08	26.59	16.20	91.50	6.71	4.01	8.00	5.7
2022/05/27	ME	DS1	11:55	B	10.1	45.7	0.18	25.78	26.66	81.00	5.68	16.31	7.96	17.5
2022/05/27	ME	DS1	11:55	M	6.0	88.8	0.67	25.90	25.14	80.20	5.66	14.71	7.96	15.5
2022/05/27	ME	DS1	11:56	T	1.1	144.7	0.87	26.28	19.42	87.10	6.30	5.81	7.98	7.9
2022/05/27	ME	DS1	11:57	B	10.1	14.1	0.43	25.79	26.53	80.40	5.64	16.01	7.95	16.8
2022/05/27	ME	DS1	11:57	M	6.0	87.8	0.50	25.94	24.68	80.20	5.67	14.81	7.95	16.1
2022/05/27	ME	DS1	11:58	T	1.3	124.2	0.66	26.31	19.49	87.40	6.32	5.81	7.98	8.3
2022/05/27	ME	DS2	12:20	B	8.0	79.6	0.50	25.91	25.06	80.40	5.67	14.91	7.93	17.5
2022/05/27	ME	DS2	12:20	M	4.9	99.0	0.74	26.25	22.21	84.70	6.04	7.21	7.95	7.6
2022/05/27	ME	DS2	12:21	T	1.1	103.4	0.83	26.36	12.68	93.10	6.99	3.81	7.97	6.4
2022/05/27	ME	DS2	12:22	B	7.9	96.2	0.44	25.99	24.10	81.70	5.79	10.21	7.93	18.3
2022/05/27	ME	DS2	12:22	M	5.1	122.6	0.86	26.20	22.28	84.70	6.04	6.61	7.95	7.3
2022/05/27	ME	DS2	12:23	T	1.0	115.5	1.15	26.34	12.50	92.10	6.92	3.91	7.97	6.5
2022/05/27	ME	DS3	12:28	B	11.1	39.5	0.48	25.79	26.46	80.90	5.67	13.21	7.93	19.3
2022/05/27	ME	DS3	12:28	M	6.4	71.6	0.78	25.95	24.64	80.50	5.69	10.81	7.93	13.3
2022/05/27	ME	DS3	12:29	T	0.9	126.8	1.07	26.40	14.92	89.50	6.63	5.01	7.97	5.3
2022/05/27	ME	DS3	12:30	B	10.8	226.7	0.54	25.80	26.36	80.40	5.64	12.41	7.93	20.0
2022/05/27	ME	DS3	12:30	M	6.4	107.6	0.41	25.91	25.13	80.00	5.64	10.81	7.94	14.2
2022/05/27	ME	DS3	12:31	T	1.1	163.5	0.62	26.55	19.28	88.00	6.34	5.71	7.95	4.9
2022/05/27	ME	DS4	12:35	B	7.1	71.7	1.13	25.87	25.62	82.10	5.78	11.21	7.92	13.9
2022/05/27	ME	DS4	12:36	M	4.6	94.4	0.38	26.07	23.31	82.00	5.83	8.01	7.92	11.3
2022/05/27	ME	DS4	12:36	T	1.1	116.3	0.88	26.51	19.62	87.30	6.29	5.21	7.93	6.7
2022/05/27	ME	DS4	12:37	B	7.1	92.6	1.05	25.87	25.64	80.50	5.66	10.01	7.92	13.4
2022/05/27	ME	DS4	12:37	M	4.6	79.0	1.00	26.03	23.75	80.80	5.73	8.61	7.93	11.3
2022/05/27	ME	DS4	12:38	T	1.2	57.4	1.10	26.52	19.61	87.10	6.27	5.31	7.94	6.9
2022/05/27	ME	DS5	12:43	B	7.1	25.4	0.80	25.93	24.74	81.30	5.74	9.61	7.91	14.3
2022/05/27	ME	DS5	12:44	M	4.6	109.7	0.21	26.08	23.14	82.00	5.83	7.81	7.93	16.7
2022/05/27	ME	DS5	12:44	T	1.0	113.8	1.13	26.42	15.78	81.70	6.02	7.61	7.95	7.1
2022/05/27	ME	DS5	12:45	B	6.9	72.2	0.67	26.00	24.04	81.20	5.75	8.81	7.92	14.1
2022/05/27	ME	DS5	12:45	M	4.6	44.3	0.86	26.09	23.05	81.60	5.80	7.41	7.93	17.0
2022/05/27	ME	DS5	12:46	T	1.2	109.3	1.52	26.46	17.20	88.90	6.49	4.51	7.95	6.9
2022/05/27	ME	MW1	10:00	B	18.8	92.6	0.20	25.42	30.33	83.30	5.75	5.41	8.02	13.5
2022/05/27	ME	MW1	10:01	M	10.6	51.1	0.55	25.46	30.08	83.20	5.75	4.41	8.02	13.4
2022/05/27	ME	MW1	10:02	T	1.2	83.6	0.84	25.74	27.91	84.80	5.90	3.81	8.03	7.5
2022/05/27	ME	MW1	10:03	B	18.7	55.3	0.41	25.43	30.28	82.90	5.72	6.51	8.03	13.7
2022/05/27	ME	MW1	10:04	M	10.7	84.9	1.15	25.44	30.24	83.00	5.73	5.31	8.04	12.6
2022/05/27	ME	MW1	10:04	T	1.2	65.4	1.44	25.81	27.28	82.90	5.79	5.51	8.04	7.3

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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)
2022/05/27	MF	MW1	17:59	B	19.0	136.1	0.65	25.39	30.50	82.00	5.66	10.31	8.00	11.4
2022/05/27	MF	MW1	17:59	M	10.6	309.3	0.34	25.51	29.42	81.30	5.63	6.51	7.99	16.6
2022/05/27	MF	MW1	18:00	T	1.1	218.8	0.11	25.79	26.57	82.90	5.81	5.31	7.99	10.6
2022/05/27	MF	MW1	18:01	B	19.0	155.4	0.12	25.35	30.75	81.90	5.65	11.21	8.01	11.8
2022/05/27	MF	MW1	18:02	M	10.5	164.9	0.19	25.63	28.35	81.60	5.68	7.01	7.99	16.4
2022/05/27	MF	MW1	18:03	T	0.8	267.6	1.02	25.85	25.96	83.00	5.83	4.91	7.99	9.9
2022/05/27	MF	DS1	16:02	B	9.2	321.8	0.70	25.83	26.10	80.60	5.66	8.41	7.96	13.2
2022/05/27	MF	DS1	16:03	M	5.6	295.4	0.24	26.06	23.56	81.10	5.76	6.81	7.96	8.8
2022/05/27	MF	DS1	16:03	T	1.2	13.3	0.19	26.37	13.99	90.00	6.70	4.01	7.98	7.5
2022/05/27	MF	DS1	16:04	B	8.9	259.0	0.41	25.84	26.07	79.20	5.56	10.01	7.96	12.4
2022/05/27	MF	DS1	16:05	M	5.5	302.3	0.22	26.06	23.61	80.50	5.71	7.21	7.96	8.5
2022/05/27	MF	DS1	16:05	T	1.2	310.9	0.35	26.32	15.28	88.30	6.54	4.11	7.97	7.2
2022/05/27	MF	DS2	16:12	B	7.9	272.4	0.54	26.00	24.28	80.00	5.66	7.31	7.96	11.8
2022/05/27	MF	DS2	16:12	M	5.1	288.3	0.70	26.09	22.78	80.70	5.75	6.01	7.96	10.6
2022/05/27	MF	DS2	16:13	T	1.1	352.4	0.40	26.34	13.94	89.50	6.67	4.21	7.99	7.5
2022/05/27	MF	DS2	16:14	B	8.0	329.2	0.38	25.97	24.58	81.00	5.72	7.01	7.96	11.4
2022/05/27	MF	DS2	16:14	M	5.0	300.2	0.54	26.10	22.58	81.00	5.78	5.91	7.96	10.9
2022/05/27	MF	DS2	16:15	T	1.2	48.0	0.85	26.44	12.62	91.00	6.82	4.01	8.06	7.3
2022/05/27	MF	DS3	16:20	B	8.2	298.3	0.64	25.94	24.91	81.40	5.74	9.71	7.95	13.5
2022/05/27	MF	DS3	16:21	M	5.0	271.6	0.18	26.18	21.09	81.40	5.85	6.21	7.96	16.5
2022/05/27	MF	DS3	16:21	T	1.0	234.3	0.39	26.44	11.19	81.10	6.13	6.21	8.15	9.0
2022/05/27	MF	DS3	16:22	B	8.1	315.3	0.48	25.95	24.79	81.80	5.78	8.11	7.95	12.8
2022/05/27	MF	DS3	16:22	M	5.0	336.2	0.58	26.18	21.23	82.00	5.88	5.91	7.96	16.4
2022/05/27	MF	DS3	16:23	T	1.2	1.2	0.49	26.43	12.29	99.70	7.49	3.91	8.10	9.2
2022/05/27	MF	DS4	16:28	B	7.0	303.7	0.72	26.03	23.85	81.90	5.81	6.41	7.95	12.9
2022/05/27	MF	DS4	16:28	M	4.6	319.8	0.75	26.20	19.92	84.10	6.08	5.51	7.97	6.8
2022/05/27	MF	DS4	16:29	T	1.1	4.0	0.49	26.37	14.00	94.20	7.02	4.11	8.03	7.6
2022/05/27	MF	DS4	16:29	B	6.9	303.6	0.77	26.01	24.07	80.60	5.71	8.01	7.95	13.3
2022/05/27	MF	DS4	16:30	M	4.5	308.7	0.30	26.23	19.53	83.40	6.04	5.41	7.96	6.6
2022/05/27	MF	DS4	16:31	T	1.2	138.2	0.26	26.37	13.87	92.20	6.87	4.21	8.04	8.0
2022/05/27	MF	DS5	16:35	B	7.0	302.9	0.50	26.06	23.38	81.60	5.80	6.11	7.94	11.7
2022/05/27	MF	DS5	16:36	M	4.5	334.0	0.40	26.17	21.29	81.10	5.82	5.81	7.95	12.1
2022/05/27	MF	DS5	16:36	T	0.9	237.2	0.33	26.35	14.84	91.50	6.79	4.01	7.99	8.9
2022/05/27	MF	DS5	16:37	B	6.9	350.6	0.30	26.09	22.72	82.20	5.86	5.91	7.94	10.8
2022/05/27	MF	DS5	16:38	M	4.6	280.5	0.61	26.28	19.61	83.90	6.06	4.71	7.95	12.3
2022/05/27	MF	DS5	16:38	T	1.0	239.8	0.13	26.36	14.42	93.70	6.96	3.81	7.99	9.1
2022/05/27	MF	US1	16:52	B	9.0	337.3	1.09	25.74	26.50	79.80	5.60	12.11	7.97	18.2
2022/05/27	MF	US1	16:53	M	5.5	301.9	0.47	26.26	19.82	84.20	6.08	5.71	7.96	8.0
2022/05/27	MF	US1	16:53	T	1.1	2.4	0.07	26.33	15.34	89.10	6.59	4.31	7.97	7.2
2022/05/27	MF	US1	16:54	B	8.9	300.3	0.50	25.70	27.52	80.50	5.62	9.51	7.96	18.3
2022/05/27	MF	US1	16:55	M	5.7	286.7	1.42	26.25	20.49	84.00	6.05	6.01	7.96	8.0
2022/05/27	MF	US1	16:55	T	1.0	294.2	0.59	26.33	15.96	88.80	6.55	4.41	7.98	7.1
2022/05/27	MF	US2	17:00	B	6.8	293.2	0.93	25.76	26.81	81.30	5.69	8.71	7.96	16.5
2022/05/27	MF	US2	17:01	M	4.7	307.9	0.68	26.08	22.57	80.90	5.77	8.21	7.96	10.2
2022/05/27	MF	US2	17:02	T	1.2	346.0	0.37	26.37	15.07	90.70	6.72	3.81	7.98	6.7
2022/05/27	MF	US2	17:02	B	7.2	327.2	0.54	25.69	27.65	79.70	5.56	13.41	7.96	16.8
2022/05/27	MF	US2	17:03	M	4.4	349.5	0.20	26.12	21.93	81.80	5.85	7.71	7.97	10.1
2022/05/27	MF	US2	17:04	T	1.0	24.7	0.53	26.36	13.97	90.50	6.74	4.11	7.99	7.0