

## 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)
2022/05/23	ME	US1	08:05	B	9.1	54.8	0.35	25.32	26.57	87.09	6.15	4.08	8.24	8.1
2022/05/23	ME	US1	08:06	M	5.5	167.7	0.70	25.57	23.72	97.57	6.98	3.98	8.32	8.8
2022/05/23	ME	US1	08:06	T	0.9	263.0	0.36	25.63	20.45	100.07	7.28	3.78	8.30	7.3
2022/05/23	ME	US1	08:07	B	9.1	48.3	0.40	25.33	26.40	85.79	6.07	4.28	8.23	8.0
2022/05/23	ME	US1	08:08	M	5.5	142.8	0.40	25.60	23.49	97.87	7.00	3.18	8.32	8.3
2022/05/23	ME	US1	08:09	T	1.0	43.6	0.48	25.65	20.57	100.17	7.28	3.68	8.30	7.2
2022/05/23	ME	US2	08:13	B	17.0	321.1	0.16	25.34	26.57	87.88	6.21	6.58	8.24	13.1
2022/05/23	ME	US2	08:14	M	9.4	142.6	0.39	25.35	25.61	87.58	6.22	6.28	8.24	12.5
2022/05/23	ME	US2	08:15	T	1.0	180.0	0.07	25.60	20.59	94.57	6.88	3.68	8.23	8.4
2022/05/23	ME	US2	08:16	B	16.9	217.4	0.16	25.33	26.68	87.48	6.18	5.78	8.24	13.5
2022/05/23	ME	US2	08:17	M	9.6	131.1	0.11	25.36	26.19	87.18	6.17	5.38	8.24	12.7
2022/05/23	ME	US2	08:18	T	1.1	87.6	0.43	25.60	20.36	93.77	6.83	3.58	8.22	8.4
2022/05/23	ME	DS1	08:25	B	9.0	71.7	0.48	25.34	26.19	87.57	6.20	2.58	8.22	19.6
2022/05/23	ME	DS1	08:26	M	5.6	128.7	0.14	25.50	24.61	91.36	6.51	2.38	8.26	9.1
2022/05/23	ME	DS1	08:27	T	1.1	63.9	0.64	25.62	20.61	101.14	7.35	3.58	8.29	8.4
2022/05/23	ME	DS1	08:27	B	9.0	57.5	0.64	25.32	26.34	85.57	6.05	2.88	8.21	19.6
2022/05/23	ME	DS1	08:28	M	5.5	78.3	0.39	25.49	24.74	91.26	6.50	2.48	8.26	9.4
2022/05/23	ME	DS1	08:29	T	1.3	78.0	0.17	25.62	20.44	100.24	7.29	3.58	8.29	8.9
2022/05/23	ME	DS2	08:34	B	8.0	114.4	0.47	25.40	25.60	88.16	6.25	3.08	8.22	8.0
2022/05/23	ME	DS2	08:35	M	5.1	221.3	0.24	25.53	23.88	97.94	7.00	2.68	8.30	9.5
2022/05/23	ME	DS2	08:35	T	1.1	172.3	0.14	25.60	20.66	102.23	7.43	3.68	8.29	11.1
2022/05/23	ME	DS2	08:36	B	8.0	256.6	0.17	25.40	25.62	89.25	6.33	3.08	8.22	8.0
2022/05/23	ME	DS2	08:37	M	5.0	62.3	0.29	25.58	23.50	98.54	7.05	2.68	8.30	9.4
2022/05/23	ME	DS2	08:38	T	0.9	87.6	0.62	25.60	20.44	101.93	7.42	3.68	8.28	11.2
2022/05/23	ME	DS3	08:43	B	10.9	276.9	0.13	25.24	27.47	84.25	5.93	8.18	8.19	16.5
2022/05/23	ME	DS3	08:44	M	6.4	113.3	0.40	25.48	24.88	94.24	6.70	2.98	8.26	7.2
2022/05/23	ME	DS3	08:44	T	1.0	5.0	0.45	25.57	21.24	107.61	7.80	3.48	8.36	8.9
2022/05/23	ME	DS3	08:45	B	11.0	320.5	0.48	25.23	27.46	82.96	5.84	10.48	8.18	16.0
2022/05/23	ME	DS3	08:46	M	6.4	120.1	0.37	25.49	24.86	94.23	6.70	2.88	8.26	7.4
2022/05/23	ME	DS3	08:47	T	1.2	95.8	1.18	25.56	21.15	108.21	7.85	3.48	8.36	9.0
2022/05/23	ME	DS4	08:52	B	7.0	113.3	0.43	25.49	24.70	96.82	6.89	2.68	8.27	6.8
2022/05/23	ME	DS4	08:53	M	4.4	114.5	1.08	25.56	23.39	100.52	7.20	2.88	8.30	10.0
2022/05/23	ME	DS4	08:53	T	1.0	15.3	0.09	25.55	21.56	108.90	7.88	3.68	8.36	8.9
2022/05/23	ME	DS4	08:54	B	7.0	59.6	0.15	25.49	24.72	97.12	6.91	2.38	8.26	6.9
2022/05/23	ME	DS4	08:55	M	4.4	90.2	0.25	25.57	23.24	101.01	7.24	2.68	8.30	10.4
2022/05/23	ME	DS4	08:55	T	1.1	134.9	0.43	25.55	21.49	109.30	7.92	3.58	8.37	9.0
2022/05/23	ME	DS5	09:01	B	6.9	16.1	0.36	25.37	26.00	87.13	6.17	3.88	8.20	6.4
2022/05/23	ME	DS5	09:02	M	4.5	143.3	0.34	25.50	24.18	95.81	6.84	3.18	8.27	8.5
2022/05/23	ME	DS5	09:02	T	1.0	85.3	0.39	25.55	21.92	107.69	7.78	3.38	8.36	11.0
2022/05/23	ME	DS5	09:03	B	6.9	60.7	0.13	25.36	26.14	86.33	6.11	4.78	8.19	6.4
2022/05/23	ME	DS5	09:04	M	4.5	103.6	0.72	25.51	23.90	96.81	6.92	3.18	8.26	8.2
2022/05/23	ME	DS5	09:05	T	1.2	182.9	0.21	25.55	21.83	108.29	7.83	3.38	8.35	10.9
2022/05/23	ME	MW1	06:47	B	18.9	26.2	0.24	24.94	31.11	87.96	6.10	5.08	8.29	9.7
2022/05/23	ME	MW1	06:48	M	10.6	346.1	0.12	24.97	30.40	87.16	6.06	4.18	8.29	9.1
2022/05/23	ME	MW1	06:49	T	1.1	294.2	0.13	25.15	28.66	90.86	6.36	2.48	8.31	6.6
2022/05/23	ME	MW1	06:50	B	18.9	18.4	0.04	24.94	31.13	87.56	6.07	5.08	8.29	9.7
2022/05/23	ME	MW1	06:51	M	10.6	214.3	0.11	24.98	30.33	86.96	6.05	3.98	8.28	8.9
2022/05/23	ME	MW1	06:51	T	1.1	95.8	0.17	25.15	28.61	91.06	6.38	2.68	8.30	6.5

## 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)
2022/05/23	MF	MW1	13:09	B	19.1	101.0	0.67	24.98	30.87	87.05	6.04	2.88	8.22	5.8
2022/05/23	MF	MW1	13:10	M	10.7	186.2	0.13	25.04	30.08	88.24	6.14	2.18	8.23	5.1
2022/05/23	MF	MW1	13:11	T	1.0	314.7	0.47	25.42	26.26	109.87	7.76	1.48	8.35	6.6
2022/05/23	MF	MW1	13:12	B	18.8	67.4	0.28	24.96	31.19	86.74	6.01	4.98	8.22	5.9
2022/05/23	MF	MW1	13:13	M	10.5	48.1	0.46	25.03	30.21	88.23	6.14	2.68	8.23	5.1
2022/05/23	MF	MW1	13:13	T	1.1	262.1	0.19	25.30	27.30	98.94	6.96	1.78	8.30	6.8
2022/05/23	MF	DS1	11:14	B	9.1	46.3	0.15	25.17	28.02	84.11	5.91	4.78	8.16	8.9
2022/05/23	MF	DS1	11:15	M	5.5	181.9	0.18	25.35	24.95	90.19	6.43	3.78	8.22	8.5
2022/05/23	MF	DS1	11:16	T	1.0	81.1	0.21	25.57	22.11	104.16	7.51	3.48	8.32	8.4
2022/05/23	MF	DS1	11:16	B	8.9	0.7	0.25	25.20	27.93	84.80	5.96	4.38	8.17	8.8
2022/05/23	MF	DS1	11:17	M	5.5	347.2	0.41	25.35	25.17	88.49	6.30	3.68	8.22	8.7
2022/05/23	MF	DS1	11:18	T	1.2	209.8	0.41	25.59	21.72	106.44	7.69	3.48	8.35	8.4
2022/05/23	MF	DS2	11:23	B	10.0	253.1	0.38	25.26	27.35	84.28	5.93	5.18	8.17	10.4
2022/05/23	MF	DS2	11:23	M	6.1	61.6	0.03	25.33	25.50	86.97	6.18	3.48	8.20	6.9
2022/05/23	MF	DS2	11:24	T	1.2	9.4	0.19	25.63	20.71	114.59	8.32	3.28	8.43	8.9
2022/05/23	MF	DS2	11:25	B	10.0	7.9	0.45	25.28	27.09	85.86	6.05	4.88	8.18	10.1
2022/05/23	MF	DS2	11:25	M	6.1	183.6	0.10	25.33	25.60	86.46	6.14	3.68	8.20	6.9
2022/05/23	MF	DS2	11:26	T	1.0	329.8	0.14	25.65	20.39	118.67	8.63	3.38	8.45	8.8
2022/05/23	MF	DS3	11:31	B	7.9	37.8	0.34	25.33	25.32	89.33	6.35	3.48	8.21	6.4
2022/05/23	MF	DS3	11:32	M	5.0	26.6	0.24	25.39	24.69	91.62	6.53	3.28	8.24	8.7
2022/05/23	MF	DS3	11:32	T	1.0	249.8	0.10	25.68	20.43	120.83	8.78	3.08	8.46	8.5
2022/05/23	MF	DS3	11:33	B	7.8	39.2	0.08	25.33	25.30	90.02	6.40	3.48	8.22	6.3
2022/05/23	MF	DS3	11:34	M	5.1	220.0	0.63	25.44	24.24	92.81	6.63	3.28	8.24	8.7
2022/05/23	MF	DS3	11:35	T	1.2	214.8	0.21	25.67	20.81	119.62	8.68	2.98	8.44	8.4
2022/05/23	MF	DS4	11:39	B	8.1	315.0	0.40	25.33	25.19	91.19	6.49	2.88	8.23	5.9
2022/05/23	MF	DS4	11:40	M	4.9	77.3	0.40	25.45	24.52	91.59	6.53	2.68	8.23	7.4
2022/05/23	MF	DS4	11:40	T	1.0	289.6	0.33	25.72	20.62	118.09	8.57	2.98	8.45	11.3
2022/05/23	MF	DS4	11:41	B	7.9	116.8	0.19	25.34	25.14	92.68	6.60	2.88	8.23	6.2
2022/05/23	MF	DS4	11:42	M	5.1	276.4	0.31	25.48	24.16	92.67	6.62	2.78	8.23	7.1
2022/05/23	MF	DS4	11:42	T	1.2	182.9	0.99	25.74	20.77	120.97	8.77	2.88	8.45	11.7
2022/05/23	MF	DS5	11:47	B	8.1	249.4	0.12	25.36	25.09	90.76	6.46	2.38	8.23	6.7
2022/05/23	MF	DS5	11:48	M	5.0	262.1	0.31	25.69	22.13	105.80	7.62	2.28	8.34	4.7
2022/05/23	MF	DS5	11:48	T	1.1	69.2	0.19	25.79	20.59	125.32	9.09	2.68	8.47	5.3
2022/05/23	MF	DS5	11:49	B	8.0	349.5	0.35	25.36	25.10	93.34	6.65	2.58	8.23	6.8
2022/05/23	MF	DS5	11:50	M	4.9	173.7	0.26	25.49	24.22	92.84	6.63	2.38	8.22	4.7
2022/05/23	MF	DS5	11:50	T	1.1	9.4	0.18	25.81	20.86	123.12	8.91	2.48	8.45	5.1
2022/05/23	MF	US1	12:04	B	9.0	72.3	0.20	25.32	26.71	91.89	6.49	3.18	8.23	9.0
2022/05/23	MF	US1	12:04	M	5.4	92.5	0.09	25.36	25.46	88.70	6.30	5.88	8.21	11.3
2022/05/23	MF	US1	12:05	T	1.0	303.3	0.70	25.65	21.84	110.60	7.98	3.58	8.34	6.2
2022/05/23	MF	US1	12:06	B	9.0	66.7	0.29	25.22	27.99	88.10	6.18	3.28	8.20	9.5
2022/05/23	MF	US1	12:06	M	5.5	178.7	0.18	25.36	25.26	89.68	6.38	4.58	8.22	11.1
2022/05/23	MF	US1	12:07	T	1.1	0.9	0.75	25.65	21.76	108.79	7.85	3.28	8.34	6.3
2022/05/23	MF	US2	12:12	B	8.1	286.9	0.18	25.18	28.33	85.98	6.03	4.48	8.19	12.9
2022/05/23	MF	US2	12:12	M	5.0	213.5	0.27	25.36	25.40	89.46	6.36	3.58	8.22	7.6
2022/05/23	MF	US2	12:13	T	1.2	309.4	0.65	25.64	21.74	105.68	7.63	3.48	8.31	8.2
2022/05/23	MF	US2	12:14	B	8.0	322.1	0.57	25.19	28.28	87.47	6.13	2.28	8.20	12.9
2022/05/23	MF	US2	12:14	M	5.0	293.5	0.44	25.36	25.29	89.85	6.39	3.68	8.22	7.4
2022/05/23	MF	US2	12:15	T	1.1	61.6	0.10	25.64	21.77	106.96	7.72	3.48	8.31	7.8