

## 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)
2022/04/13	ME	US1	11:18	B	9.9	90.7	0.63	22.21	27.98	102.40	7.58	1.88	8.20	4.0
2022/04/13	ME	US1	11:19	M	5.9	161.9	0.41	22.58	26.68	104.20	7.72	1.88	8.21	6.0
2022/04/13	ME	US1	11:20	T	1.2	117.5	0.59	23.83	21.36	146.00	10.91	1.08	8.53	5.8
2022/04/13	ME	US1	11:21	B	9.9	71.4	0.28	22.25	27.87	107.10	7.93	1.08	8.23	3.9
2022/04/13	ME	US1	11:22	M	6.0	80.6	0.46	22.57	26.71	105.10	7.79	2.08	8.22	6.0
2022/04/13	ME	US1	11:22	T	1.3	137.0	0.90	23.87	21.21	142.30	10.63	1.58	8.52	6.1
2022/04/13	ME	US2	11:28	B	8.0	132.2	0.54	22.14	27.98	98.40	7.29	2.68	8.18	12.0
2022/04/13	ME	US2	11:28	M	5.1	110.8	0.50	22.77	26.16	106.50	7.89	1.78	8.23	5.0
2022/04/13	ME	US2	11:29	T	1.2	95.9	0.46	23.89	21.25	142.00	10.60	1.98	8.51	5.3
2022/04/13	ME	US2	11:29	B	7.9	47.0	0.40	22.20	27.74	101.70	7.54	2.38	8.19	11.8
2022/04/13	ME	US2	11:30	M	5.2	98.6	0.97	22.72	26.30	108.00	8.00	1.58	8.24	4.8
2022/04/13	ME	US2	11:31	T	1.2	125.6	0.72	23.83	21.45	140.40	10.48	1.88	8.50	5.2
2022/04/13	ME	DS1	11:38	B	10.1	116.6	0.10	22.11	28.37	104.40	7.73	1.28	8.20	5.3
2022/04/13	ME	DS1	11:39	M	6.1	132.0	0.66	22.42	27.31	107.50	7.96	1.18	8.22	3.7
2022/04/13	ME	DS1	11:40	T	1.2	171.2	0.48	23.88	21.41	141.80	10.58	0.98	8.50	7.9
2022/04/13	ME	DS1	11:40	B	10.0	95.3	0.28	22.10	28.39	112.70	8.34	1.48	8.20	5.0
2022/04/13	ME	DS1	11:41	M	6.1	103.2	0.07	22.47	27.04	105.20	7.79	1.48	8.20	3.6
2022/04/13	ME	DS1	11:42	T	1.0	173.7	0.53	24.05	20.72	138.70	10.36	1.48	8.50	8.3
2022/04/13	ME	DS2	11:47	B	10.0	38.5	0.25	22.02	28.38	96.90	7.18	3.18	8.15	6.3
2022/04/13	ME	DS2	11:47	M	6.1	81.1	0.52	22.60	26.69	107.40	7.96	1.78	8.22	4.2
2022/04/13	ME	DS2	11:48	T	1.1	81.1	0.55	23.84	21.57	140.70	10.50	0.88	8.49	4.0
2022/04/13	ME	DS2	11:49	B	9.9	144.5	0.73	22.02	28.39	97.70	7.24	3.08	8.15	6.6
2022/04/13	ME	DS2	11:49	M	6.0	150.3	0.50	22.59	26.72	109.00	8.07	1.48	8.23	4.3
2022/04/13	ME	DS2	11:50	T	1.2	89.3	0.09	23.81	21.75	140.70	10.49	0.98	8.47	3.9
2022/04/13	ME	DS3	11:55	B	12.0	112.2	0.05	21.97	28.76	93.40	6.91	4.58	8.13	8.9
2022/04/13	ME	DS3	11:56	M	6.9	88.3	0.43	22.22	27.77	98.10	7.27	3.08	8.16	8.2
2022/04/13	ME	DS3	11:56	T	1.1	141.2	0.64	24.05	20.87	140.10	10.46	1.08	8.50	6.4
2022/04/13	ME	DS3	11:57	B	11.9	100.3	0.14	21.83	29.17	94.30	6.98	5.58	8.12	8.7
2022/04/13	ME	DS3	11:58	M	6.9	83.9	0.54	22.25	27.68	97.90	7.26	2.88	8.15	8.7
2022/04/13	ME	DS3	11:58	T	0.9	54.1	0.72	23.77	21.92	138.30	10.31	1.08	8.46	6.3
2022/04/13	ME	DS4	12:03	B	8.1	81.7	0.41	22.22	27.79	99.20	7.35	4.98	8.16	10.9
2022/04/13	ME	DS4	12:04	M	5.0	36.0	0.11	22.49	27.07	102.70	7.61	2.18	8.18	6.2
2022/04/13	ME	DS4	12:04	T	0.9	49.6	0.76	23.92	21.51	139.60	10.40	0.88	8.48	5.6
2022/04/13	ME	DS4	12:05	B	8.0	58.4	0.50	22.20	27.82	100.80	7.47	3.78	8.16	11.0
2022/04/13	ME	DS4	12:06	M	4.8	122.9	0.56	22.46	27.17	102.00	7.55	2.58	8.17	6.1
2022/04/13	ME	DS4	12:07	T	1.1	68.7	0.37	23.84	21.67	134.80	10.05	1.38	8.45	5.7
2022/04/13	ME	DS5	12:11	B	7.9	61.4	0.80	22.33	27.43	103.50	7.67	4.08	8.16	10.9
2022/04/13	ME	DS5	12:12	M	4.9	17.5	0.26	22.64	26.44	108.80	8.06	3.18	8.20	10.0
2022/04/13	ME	DS5	12:12	T	0.9	125.2	0.70	23.81	21.66	141.10	10.53	0.88	8.46	5.4
2022/04/13	ME	DS5	12:13	B	7.9	58.3	0.26	22.29	27.54	103.20	7.65	4.38	8.15	10.4
2022/04/13	ME	DS5	12:14	M	5.2	113.0	0.55	22.64	26.48	108.00	8.00	2.98	8.19	9.7
2022/04/13	ME	DS5	12:14	T	1.3	125.2	0.70	23.82	21.77	138.90	10.36	1.28	8.45	5.5
2022/04/13	ME	MW1	09:55	B	19.1	176.8	0.32	21.54	31.03	98.40	7.24	1.88	8.16	6.3
2022/04/13	ME	MW1	09:55	M	10.5	350.7	0.28	21.75	30.35	99.80	7.35	1.78	8.18	3.8
2022/04/13	ME	MW1	09:56	T	1.1	12.7	0.06	22.31	28.64	109.40	8.05	0.68	8.25	5.5
2022/04/13	ME	MW1	09:57	B	19.1	135.0	0.14	21.60	30.85	99.20	7.30	1.58	8.19	6.0
2022/04/13	ME	MW1	09:58	M	10.3	49.4	0.19	21.72	30.48	99.60	7.33	1.78	8.20	3.8
2022/04/13	ME	MW1	09:59	T	1.2	13.4	0.12	22.35	28.47	109.50	8.06	0.88	8.26	5.6

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)
2022/04/13	MF	MW1	17:11	B	18.9	16.1	0.25	21.62	30.91	91.02	6.70	2.98	8.12	5.0
2022/04/13	MF	MW1	17:16	M	10.4	126.9	0.49	21.96	29.78	103.20	7.60	1.58	8.14	4.3
2022/04/13	MF	MW1	17:17	T	1.2	157.9	0.06	23.58	24.87	125.08	9.20	0.08	8.30	4.7
2022/04/13	MF	MW1	17:18	B	19.0	188.4	0.16	21.60	30.97	98.61	7.25	2.68	8.12	5.3
2022/04/13	MF	MW1	17:19	M	10.4	23.3	0.29	21.95	29.79	102.50	7.54	1.18	8.14	4.3
2022/04/13	MF	MW1	17:19	T	1.2	319.7	0.13	23.23	25.91	117.89	8.67	0.28	8.26	4.8
2022/04/13	MF	DS1	15:23	B	10.0	62.5	0.14	21.93	28.74	91.28	6.76	3.28	8.06	7.6
2022/04/13	MF	DS1	15:23	M	6.1	311.7	0.40	22.16	27.95	95.78	7.10	3.58	8.09	6.4
2022/04/13	MF	DS1	15:24	T	1.1	240.0	0.69	24.08	20.87	135.37	10.10	1.08	8.42	3.5
2022/04/13	MF	DS1	15:25	B	10.0	308.2	0.49	21.96	28.70	96.28	7.13	3.88	8.08	7.5
2022/04/13	MF	DS1	15:25	M	5.9	308.7	0.77	22.21	27.86	98.87	7.33	3.18	8.10	6.5
2022/04/13	MF	DS1	15:26	T	1.3	99.7	0.31	23.86	21.62	131.96	9.84	1.28	8.38	3.7
2022/04/13	MF	DS2	15:30	B	9.3	198.9	0.73	21.88	28.94	86.37	6.40	11.08	8.04	18.6
2022/04/13	MF	DS2	15:31	M	5.5	32.1	0.15	22.35	27.11	97.57	7.24	3.98	8.12	5.9
2022/04/13	MF	DS2	15:32	T	1.0	161.0	0.13	23.94	21.34	134.16	10.00	0.88	8.40	4.1
2022/04/13	MF	DS2	15:32	B	9.0	294.7	0.26	21.96	28.63	92.47	6.85	8.28	8.07	19.7
2022/04/13	MF	DS2	15:33	M	5.6	313.4	0.69	22.39	27.06	98.77	7.33	3.18	8.11	5.7
2022/04/13	MF	DS2	15:33	T	1.2	291.8	0.22	23.87	21.40	135.36	10.10	0.78	8.39	4.1
2022/04/13	MF	DS3	15:38	B	8.0	339.4	0.38	21.98	28.53	95.97	7.11	6.68	8.09	13.4
2022/04/13	MF	DS3	15:38	M	5.6	256.9	0.35	22.59	26.30	100.27	7.44	4.08	8.13	8.3
2022/04/13	MF	DS3	15:39	T	1.1	257.0	0.26	23.69	22.53	128.46	9.56	1.28	8.35	4.0
2022/04/13	MF	DS3	15:40	B	8.0	320.3	0.39	22.07	28.25	97.27	7.21	6.18	8.09	13.9
2022/04/13	MF	DS3	15:40	M	5.0	288.7	0.16	22.81	25.33	107.96	8.03	2.18	8.17	7.8
2022/04/13	MF	DS3	15:41	T	1.0	76.8	0.23	23.89	21.43	134.75	10.05	0.78	8.38	4.2
2022/04/13	MF	DS4	15:46	B	8.1	289.2	0.51	22.12	28.06	94.56	7.01	5.28	8.08	10.9
2022/04/13	MF	DS4	15:46	M	5.0	272.6	0.46	22.74	25.71	105.36	7.83	1.48	8.16	4.2
2022/04/13	MF	DS4	15:47	T	1.0	233.3	0.65	23.77	22.20	129.65	9.65	0.78	8.35	4.6
2022/04/13	MF	DS4	15:48	B	8.2	262.1	0.61	21.96	28.63	100.16	7.42	6.58	8.08	11.2
2022/04/13	MF	DS4	15:48	M	5.0	15.5	0.38	22.71	25.84	106.16	7.89	2.08	8.16	4.3
2022/04/13	MF	DS4	15:49	T	0.9	298.8	0.52	23.81	22.10	129.05	9.61	0.68	8.36	4.8
2022/04/13	MF	DS5	15:53	B	8.1	342.8	0.31	22.23	27.66	98.46	7.30	2.78	8.11	5.6
2022/04/13	MF	DS5	15:53	M	5.1	328.3	0.43	22.99	25.12	110.65	8.21	0.98	8.23	3.9
2022/04/13	MF	DS5	15:54	T	1.1	156.2	0.33	23.87	21.69	134.14	10.00	0.58	8.40	4.3
2022/04/13	MF	DS5	15:54	B	8.0	295.2	0.75	22.29	27.40	101.36	7.52	3.08	8.12	5.6
2022/04/13	MF	DS5	15:55	M	5.0	220.2	0.18	22.77	25.79	109.05	8.09	1.18	8.20	4.1
2022/04/13	MF	DS5	15:55	T	1.3	145.3	0.15	23.86	21.67	132.04	9.84	0.68	8.39	4.0
2022/04/13	MF	US1	16:08	B	10.1	331.5	0.26	22.70	25.96	106.64	7.92	2.28	8.19	5.0
2022/04/13	MF	US1	16:09	M	6.0	105.8	0.61	22.60	26.36	105.24	7.81	1.88	8.17	4.7
2022/04/13	MF	US1	16:09	T	1.1	54.6	0.35	23.89	21.56	132.73	9.89	0.98	8.42	3.9
2022/04/13	MF	US1	16:10	B	10.0	327.3	0.09	22.58	26.43	107.84	8.00	1.88	8.19	5.2
2022/04/13	MF	US1	16:10	M	5.9	253.5	0.24	22.53	26.61	105.34	7.82	1.88	8.17	4.6
2022/04/13	MF	US1	16:11	T	1.1	269.3	0.15	23.92	21.48	132.53	9.88	1.28	8.41	3.9
2022/04/13	MF	US2	16:16	B	8.9	249.2	0.73	21.80	29.48	92.85	6.86	6.08	8.09	13.1
2022/04/13	MF	US2	16:17	M	5.7	316.5	0.49	21.94	28.90	94.25	6.97	3.18	8.09	10.2
2022/04/13	MF	US2	16:17	T	1.1	318.4	0.75	23.96	21.16	132.72	9.90	0.78	8.42	2.8
2022/04/13	MF	US2	16:18	B	8.9	336.6	0.49	21.81	29.44	95.34	7.05	5.88	8.10	13.3
2022/04/13	MF	US2	16:19	M	5.4	293.6	0.31	21.89	29.12	93.94	6.95	3.48	8.09	10.0
2022/04/13	MF	US2	16:19	T	1.0	47.3	0.16	23.97	21.17	135.32	10.10	0.78	8.44	2.8