

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)
2022/03/16	ME	US1	12:17	B	10.2	46.6	0.15	19.54	28.35	112.69	8.74	1.62	8.12	3.7
2022/03/16	ME	US1	12:17	M	5.4	159.6	0.39	19.98	27.17	117.22	9.08	0.92	8.16	2.5
2022/03/16	ME	US1	12:18	T	1.1	110.5	0.82	20.83	24.64	124.72	9.66	0.92	8.24	<2
2022/03/16	ME	US1	12:19	B	9.9	69.6	0.38	19.54	28.32	118.09	9.16	1.92	8.11	3.7
2022/03/16	ME	US1	12:20	M	5.5	117.8	0.38	19.95	27.23	119.26	9.24	1.02	8.16	2.6
2022/03/16	ME	US1	12:20	T	1.2	111.9	1.09	20.86	24.54	125.37	9.71	0.72	8.24	<2
2022/03/16	ME	US2	12:07	B	8.0	119.2	0.19	19.71	27.73	113.11	8.78	1.32	8.12	12.6
2022/03/16	ME	US2	12:08	M	4.5	120.8	0.18	20.33	26.25	119.04	9.21	0.92	8.18	2.9
2022/03/16	ME	US2	12:08	T	1.1	215.1	0.47	21.02	23.74	126.54	9.81	0.62	8.25	3.3
2022/03/16	ME	US2	12:09	B	8.0	75.3	0.13	19.68	27.86	118.91	9.23	1.12	8.12	12.4
2022/03/16	ME	US2	12:10	M	4.5	111.3	0.50	20.14	26.72	120.49	9.33	1.02	8.16	2.9
2022/03/16	ME	US2	12:11	T	1.2	67.4	0.64	21.05	23.61	126.90	9.84	0.62	8.26	3.3
2022/03/16	ME	DS1	12:25	B	10.1	122.6	0.27	19.50	28.44	110.70	8.59	1.52	8.12	3.4
2022/03/16	ME	DS1	12:26	M	5.6	136.2	0.21	20.10	26.90	119.07	9.22	3.12	8.18	2.7
2022/03/16	ME	DS1	12:27	T	1.0	105.1	0.56	20.82	24.55	124.78	9.67	0.72	8.23	3.0
2022/03/16	ME	DS1	12:28	B	10.1	168.7	0.37	19.50	28.40	118.06	9.16	1.52	8.10	3.4
2022/03/16	ME	DS1	12:29	M	5.5	68.0	0.37	20.36	26.14	121.70	9.42	0.92	8.20	2.7
2022/03/16	ME	DS1	12:29	T	0.9	113.8	0.44	20.86	24.37	125.54	9.73	0.72	8.24	3.0
2022/03/16	ME	DS2	12:34	B	7.1	101.3	0.42	19.63	28.12	113.74	8.82	1.22	8.13	<2
2022/03/16	ME	DS2	12:35	M	3.6	117.9	0.73	20.64	25.40	122.50	9.48	1.02	8.22	2.5
2022/03/16	ME	DS2	12:36	T	1.2	99.5	0.57	20.99	23.60	127.51	9.90	0.52	8.25	3.1
2022/03/16	ME	DS2	12:37	B	7.0	282.8	0.19	19.56	28.22	117.84	9.15	2.02	8.11	<2
2022/03/16	ME	DS2	12:38	M	3.6	112.5	0.61	20.46	25.90	123.05	9.52	1.02	8.21	2.4
2022/03/16	ME	DS2	12:38	T	1.1	132.8	0.50	21.01	23.64	127.18	9.87	0.52	8.25	3.2
2022/03/16	ME	DS3	12:43	B	11.0	67.0	0.45	19.43	28.65	112.15	8.70	1.62	8.11	3.6
2022/03/16	ME	DS3	12:44	M	6.0	145.4	0.45	20.50	25.75	122.28	9.46	1.32	8.22	2.2
2022/03/16	ME	DS3	12:44	T	1.0	121.1	0.29	20.98	23.45	128.17	9.97	0.62	8.26	<2
2022/03/16	ME	DS3	12:46	B	11.0	130.0	0.41	19.40	28.76	117.82	9.14	1.92	8.11	3.6
2022/03/16	ME	DS3	12:46	M	6.0	118.0	0.28	20.07	27.07	121.65	9.42	0.32	8.19	2.2
2022/03/16	ME	DS3	12:47	T	1.0	186.6	0.45	21.01	23.40	128.03	9.95	0.52	8.26	<2
2022/03/16	ME	DS4	12:52	B	7.0	249.8	0.15	19.68	28.00	115.18	8.93	3.52	8.14	2.4
2022/03/16	ME	DS4	12:52	M	4.0	65.2	0.66	20.46	25.87	123.14	9.53	0.92	8.22	2.1
2022/03/16	ME	DS4	12:53	T	1.0	133.2	0.45	20.94	23.58	127.36	9.90	0.72	8.25	2.6
2022/03/16	ME	DS4	12:54	B	7.1	58.8	0.14	19.63	28.16	120.85	9.37	0.82	8.12	2.3
2022/03/16	ME	DS4	12:55	M	4.0	54.4	0.19	20.15	26.76	122.12	9.46	0.32	8.19	2.2
2022/03/16	ME	DS4	12:55	T	1.1	139.9	0.63	20.87	23.94	126.14	9.80	0.82	8.24	2.5
2022/03/16	ME	DS5	13:00	B	5.9	123.3	0.48	20.18	26.71	117.92	9.13	1.02	8.18	2.2
2022/03/16	ME	DS5	13:01	M	3.5	103.3	0.78	20.40	26.04	124.29	9.62	0.92	8.20	3.2
2022/03/16	ME	DS5	13:02	T	1.1	126.3	0.87	20.76	24.55	128.31	9.95	1.02	8.22	3.2
2022/03/16	ME	DS5	13:03	B	6.2	73.6	0.24	20.13	26.82	125.45	9.71	0.42	8.17	2.2
2022/03/16	ME	DS5	13:03	M	3.6	115.5	0.46	20.56	25.48	126.81	9.82	2.32	8.20	3.2
2022/03/16	ME	DS5	13:04	T	1.1	127.3	0.36	20.75	24.63	129.16	10.02	1.02	8.21	3.0
2022/03/16	ME	MW1	10:53	B	19.0	7.2	0.26	18.99	30.19	111.20	8.62	2.62	8.09	2.7
2022/03/16	ME	MW1	10:54	M	9.9	338.7	0.58	19.23	29.65	114.78	8.89	0.52	8.10	<2
2022/03/16	ME	MW1	10:55	T	1.1	124.8	0.75	19.64	28.61	120.75	9.34	0.52	8.15	2.5
2022/03/16	ME	MW1	10:56	B	19.0	281.3	0.34	19.10	29.91	115.45	8.95	0.82	8.09	2.7
2022/03/16	ME	MW1	10:57	M	10.0	48.0	0.23	19.21	29.69	116.63	9.03	0.62	8.10	2.0
2022/03/16	ME	MW1	10:58	T	1.0	123.0	0.28	19.68	28.53	120.70	9.33	0.82	8.15	2.6

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)
2022/03/16	MF	MW1	18:28	B	19.9	139.5	0.30	19.00	30.21	110.39	8.56	1.42	8.06	<2
2022/03/16	MF	MW1	18:29	M	10.5	320.0	0.15	19.12	29.98	113.25	8.77	1.82	8.08	2.6
2022/03/16	MF	MW1	18:30	T	1.0	290.6	0.29	19.46	29.24	118.39	9.15	0.62	8.11	2.0
2022/03/16	MF	MW1	18:31	B	20.0	311.3	0.24	18.90	30.40	113.43	8.80	1.82	8.05	<2
2022/03/16	MF	MW1	18:32	M	10.6	13.1	0.24	19.10	30.02	113.92	8.82	1.52	8.07	2.7
2022/03/16	MF	MW1	18:33	T	1.0	94.6	0.21	19.41	29.36	118.96	9.20	0.52	8.10	2.0
2022/03/16	MF	DS1	16:17	B	10.2	339.4	0.25	19.53	28.34	110.38	8.57	3.92	8.07	4.1
2022/03/16	MF	DS1	16:18	M	5.5	247.2	0.02	20.28	25.81	118.95	9.24	2.02	8.13	3.1
2022/03/16	MF	DS1	16:19	T	1.0	124.6	0.04	21.09	23.68	128.81	9.98	0.52	8.27	<2
2022/03/16	MF	DS1	16:20	B	10.0	240.7	0.69	19.50	28.40	116.34	9.03	2.72	8.06	4.2
2022/03/16	MF	DS1	16:20	M	5.5	174.9	0.15	20.29	25.75	118.83	9.23	2.02	8.12	3.2
2022/03/16	MF	DS1	16:21	T	1.0	239.2	0.23	21.12	23.65	132.68	10.28	1.72	8.27	<2
2022/03/16	MF	DS2	16:26	B	8.1	176.6	0.46	19.89	27.19	112.71	8.75	3.92	8.09	6.1
2022/03/16	MF	DS2	16:27	M	4.4	345.0	0.36	20.31	25.61	116.69	9.07	1.82	8.13	2.7
2022/03/16	MF	DS2	16:27	T	1.0	32.3	0.52	20.81	24.48	124.56	9.66	0.72	8.21	2.0
2022/03/16	MF	DS2	16:28	B	8.0	274.2	0.35	19.84	27.29	116.98	9.08	4.22	8.08	6.2
2022/03/16	MF	DS2	16:29	M	4.5	1.6	0.26	20.32	25.56	119.26	9.27	1.82	8.13	2.8
2022/03/16	MF	DS2	16:30	T	1.1	257.7	0.49	20.60	24.94	125.24	9.72	0.72	8.18	2.1
2022/03/16	MF	DS3	16:35	B	8.1	283.9	0.38	19.86	27.30	112.55	8.73	4.42	8.10	6.4
2022/03/16	MF	DS3	16:36	M	4.5	69.6	0.19	20.32	25.56	118.02	9.17	2.02	8.15	3.3
2022/03/16	MF	DS3	16:36	T	1.0	133.6	0.53	20.95	24.29	125.88	9.74	0.92	8.21	2.3
2022/03/16	MF	DS3	16:37	B	8.0	271.8	0.48	19.88	27.23	118.51	9.20	4.32	8.10	6.5
2022/03/16	MF	DS3	16:38	M	4.5	178.2	0.16	20.32	25.56	120.19	9.34	1.82	8.14	3.2
2022/03/16	MF	DS3	16:39	T	1.0	203.1	0.36	20.83	24.70	126.06	9.76	0.72	8.20	2.4
2022/03/16	MF	DS4	16:43	B	8.0	292.5	0.58	20.22	25.85	114.78	8.92	2.32	8.13	3.4
2022/03/16	MF	DS4	16:44	M	4.5	235.3	0.10	20.37	25.55	119.55	9.29	2.42	8.16	2.8
2022/03/16	MF	DS4	16:44	T	1.0	273.2	0.30	21.04	23.32	128.21	9.96	1.12	8.25	4.4
2022/03/16	MF	DS4	16:45	B	8.0	334.2	0.32	20.19	25.93	121.04	9.41	3.12	8.12	3.4
2022/03/16	MF	DS4	16:46	M	4.6	275.8	0.12	20.31	25.58	121.23	9.42	2.12	8.15	2.7
2022/03/16	MF	DS4	16:47	T	1.0	136.6	0.13	20.86	24.06	126.80	9.84	1.02	8.21	4.4
2022/03/16	MF	DS5	16:51	B	8.2	327.1	0.22	20.21	25.83	114.42	8.90	9.71	8.12	13.8
2022/03/16	MF	DS5	16:52	M	4.4	295.4	0.34	20.41	25.70	120.29	9.33	1.52	8.16	3.8
2022/03/16	MF	DS5	16:53	T	1.0	260.8	0.21	20.93	23.89	126.45	9.82	0.82	8.23	2.7
2022/03/16	MF	DS5	16:54	B	7.9	335.0	0.37	20.18	25.95	119.98	9.33	9.71	8.12	14.2
2022/03/16	MF	DS5	16:55	M	4.5	265.4	0.24	20.30	25.66	120.77	9.39	2.12	8.14	3.9
2022/03/16	MF	DS5	16:55	T	1.0	340.1	0.44	21.02	23.36	127.63	9.92	0.82	8.24	2.7
2022/03/16	MF	US1	17:11	B	10.1	323.0	0.14	19.77	27.68	112.40	8.72	3.42	8.09	5.7
2022/03/16	MF	US1	17:12	M	5.5	71.0	0.39	20.60	25.04	122.63	9.51	1.12	8.20	7.1
2022/03/16	MF	US1	17:12	T	1.0	321.0	0.44	21.02	23.99	133.06	10.30	0.42	8.28	2.4
2022/03/16	MF	US1	17:13	B	10.1	278.1	0.28	19.87	27.34	119.93	9.30	2.92	8.10	5.7
2022/03/16	MF	US1	17:14	M	5.5	68.8	0.43	20.45	25.61	124.70	9.67	1.52	8.17	7.2
2022/03/16	MF	US1	17:15	T	1.0	355.1	0.34	20.95	24.22	132.54	10.26	0.62	8.27	2.4
2022/03/16	MF	US2	17:20	B	6.9	299.2	0.71	19.59	28.25	110.94	8.61	48.67	8.09	44.1
2022/03/16	MF	US2	17:21	M	4.0	337.5	0.82	19.95	27.18	114.71	8.89	4.32	8.12	4.4
2022/03/16	MF	US2	17:22	T	0.8	303.3	0.63	20.87	24.76	128.81	9.96	0.72	8.26	3.0
2022/03/16	MF	US2	17:26	B	7.2	257.3	0.69	19.42	28.78	113.09	8.77	54.67	8.06	43.8
2022/03/16	MF	US2	17:27	M	4.1	278.4	0.53	19.83	27.55	115.56	8.96	3.22	8.09	4.4
2022/03/16	MF	US2	17:28	T	1.2	287.2	0.53	20.43	25.87	121.32	9.39	1.42	8.17	3.0