

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)
2022/04/11	ME	US1	20:04	B	10.0	88.7	0.14	21.58	28.99	93.64	6.97	4.42	7.92	7.1
2022/04/11	ME	US1	20:04	M	6.0	16.8	0.38	21.75	28.47	90.35	6.73	3.82	7.94	7.2
2022/04/11	ME	US1	20:05	T	1.2	12.6	0.06	23.78	22.36	125.45	9.33	1.72	8.41	5.3
2022/04/11	ME	US1	20:07	B	9.9	40.2	0.03	21.88	28.04	95.22	7.09	3.32	7.95	7.4
2022/04/11	ME	US1	20:08	M	6.0	154.9	0.22	22.33	26.50	108.28	8.07	1.42	8.07	6.9
2022/04/11	ME	US1	20:08	T	1.0	150.2	0.28	25.03	20.15	164.71	12.13	1.52	8.57	5.3
2022/04/11	ME	US2	20:14	B	8.8	49.6	0.29	21.53	29.03	90.41	6.74	11.91	7.89	18.8
2022/04/11	ME	US2	20:15	M	5.6	119.8	0.22	21.83	27.84	87.91	6.56	3.22	7.93	6.2
2022/04/11	ME	US2	20:15	T	1.2	27.4	0.52	25.34	19.54	141.83	10.42	1.52	8.61	3.9
2022/04/11	ME	US2	20:16	B	9.3	117.6	0.64	21.50	29.20	110.43	8.22	12.41	7.88	19.1
2022/04/11	ME	US2	20:17	M	5.3	160.7	0.47	21.95	27.39	93.98	7.02	3.32	7.94	5.8
2022/04/11	ME	US2	20:17	T	1.1	91.2	1.01	25.51	19.18	160.95	11.82	1.32	8.63	4.2
2022/04/11	ME	DS1	20:24	B	10.0	109.6	0.46	21.43	29.60	89.66	6.67	7.41	7.92	11.0
2022/04/11	ME	DS1	20:25	M	6.0	107.0	0.48	21.56	29.04	85.68	6.38	5.51	7.92	9.9
2022/04/11	ME	DS1	20:26	T	1.0	136.2	0.55	22.59	25.36	108.79	8.12	1.22	8.18	3.1
2022/04/11	ME	DS1	20:26	B	10.1	83.4	0.30	21.42	29.65	95.23	7.08	8.41	7.92	10.7
2022/04/11	ME	DS1	20:27	M	5.8	120.9	0.43	21.68	28.64	87.86	6.54	4.62	7.94	9.8
2022/04/11	ME	DS1	20:28	T	1.2	88.3	0.58	22.72	25.15	114.85	8.57	1.32	8.21	3.2
2022/04/11	ME	DS2	20:33	B	10.0	243.4	0.05	21.45	29.39	93.51	6.96	8.31	7.91	11.4
2022/04/11	ME	DS2	20:33	M	5.8	137.4	0.77	21.93	27.83	92.51	6.89	3.32	7.98	4.9
2022/04/11	ME	DS2	20:34	T	1.2	136.1	0.94	23.96	22.20	137.62	10.21	1.42	8.42	4.7
2022/04/11	ME	DS2	20:35	B	10.1	118.9	0.25	21.47	29.32	103.76	7.73	7.71	7.91	12.0
2022/04/11	ME	DS2	20:36	M	5.9	118.4	0.33	21.90	27.98	95.59	7.12	3.32	7.97	4.8
2022/04/11	ME	DS2	20:36	T	1.1	35.7	0.77	23.11	24.47	124.96	9.29	1.52	8.28	5.0
2022/04/11	ME	DS3	20:41	B	12.1	180.2	0.26	21.39	29.84	89.79	6.67	11.21	7.92	15.4
2022/04/11	ME	DS3	20:42	M	6.8	114.3	0.25	21.86	28.22	91.48	6.81	3.12	7.97	5.2
2022/04/11	ME	DS3	20:43	T	0.9	98.0	0.52	23.82	22.56	123.92	9.20	1.42	8.41	4.0
2022/04/11	ME	DS3	20:44	B	12.0	69.5	0.39	21.36	30.01	95.35	7.08	12.21	7.92	15.4
2022/04/11	ME	DS3	20:45	M	7.0	99.9	0.35	21.67	28.83	89.08	6.63	6.91	7.94	5.0
2022/04/11	ME	DS3	20:45	T	0.9	356.5	0.64	22.82	25.13	117.24	8.73	2.02	8.20	4.1
2022/04/11	ME	DS4	20:50	B	8.0	51.6	0.51	21.71	28.78	97.61	7.26	6.21	7.96	9.4
2022/04/11	ME	DS4	20:51	M	5.1	65.5	0.43	21.99	27.56	94.62	7.05	3.12	7.95	5.4
2022/04/11	ME	DS4	20:51	T	1.2	117.1	0.78	23.37	23.86	121.78	9.04	1.52	8.30	5.6
2022/04/11	ME	DS4	20:52	B	8.0	87.9	0.60	21.70	28.79	104.37	7.76	5.61	7.96	9.5
2022/04/11	ME	DS4	20:53	M	5.0	143.9	0.62	22.03	27.21	98.20	7.33	2.52	7.96	5.7
2022/04/11	ME	DS4	20:53	T	1.0	62.3	0.66	23.71	22.99	132.02	9.79	1.32	8.36	5.7
2022/04/11	ME	DS5	20:58	B	8.2	34.2	0.40	21.72	28.80	105.13	7.82	6.51	7.97	11.3
2022/04/11	ME	DS5	20:59	M	5.0	142.7	0.16	22.05	27.24	98.07	7.31	3.12	7.94	6.2
2022/04/11	ME	DS5	20:59	T	1.0	147.7	0.02	24.81	20.70	145.21	10.70	1.22	8.55	3.4
2022/04/11	ME	DS5	21:00	B	8.1	68.0	0.78	21.69	28.91	111.49	8.29	8.11	7.96	11.7
2022/04/11	ME	DS5	21:01	M	4.9	94.3	0.72	22.04	27.26	100.54	7.50	3.72	7.94	6.3
2022/04/11	ME	DS5	21:01	T	1.2	71.1	0.24	24.50	21.16	138.03	10.20	1.52	8.51	3.2
2022/04/11	ME	MW1	21:41	B	19.3	32.9	0.23	21.42	30.45	116.03	8.59	3.92	8.01	6.8
2022/04/11	ME	MW1	21:42	M	10.5	259.2	0.36	22.41	27.67	121.09	8.95	1.02	8.24	2.9
2022/04/11	ME	MW1	21:42	T	1.2	203.4	0.26	23.41	25.11	178.85	13.18	0.32	8.47	3.1
2022/04/11	ME	MW1	21:43	B	19.0	357.0	0.15	21.62	29.92	137.75	10.19	5.61	8.05	6.3
2022/04/11	ME	MW1	21:44	M	10.4	131.9	0.18	22.75	26.82	151.64	11.19	0.72	8.32	3.0
2022/04/11	ME	MW1	21:45	T	1.0	129.4	0.21	23.41	24.92	188.95	13.94	0.32	8.48	3.0

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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)
2022/04/11	MF	MW1	07:38	B	19.0	271.6	0.25	21.12	31.11	94.85	7.03	4.62	8.18	7.3
2022/04/11	MF	MW1	07:39	M	10.4	73.5	0.46	21.20	30.73	93.14	6.91	4.32	8.13	5.1
2022/04/11	MF	MW1	07:39	T	1.2	162.8	0.22	21.52	29.78	97.24	7.21	2.92	8.16	5.2
2022/04/11	MF	MW1	07:40	B	19.0	348.2	1.10	21.14	31.07	94.84	7.03	5.01	8.14	7.7
2022/04/11	MF	MW1	07:41	M	10.6	146.1	0.23	21.25	30.57	93.14	6.91	4.02	8.12	5.1
2022/04/11	MF	MW1	07:42	T	1.1	309.1	0.18	21.73	29.04	100.73	7.48	2.12	8.16	5.0
2022/04/11	MF	DS1	08:54	B	10.0	69.1	0.04	21.71	28.51	99.51	7.41	5.71	8.04	8.3
2022/04/11	MF	DS1	08:55	M	6.2	126.9	0.02	21.88	27.99	99.51	7.41	5.31	8.08	8.9
2022/04/11	MF	DS1	08:55	T	1.0	172.2	0.42	23.10	20.86	121.37	9.21	2.92	8.32	7.7
2022/04/11	MF	DS1	08:56	B	10.2	93.8	0.12	21.70	28.53	106.69	7.95	6.21	8.05	8.1
2022/04/11	MF	DS1	08:57	M	6.0	122.3	0.49	21.87	28.03	101.50	7.56	5.71	8.09	9.3
2022/04/11	MF	DS1	08:57	T	1.2	230.3	0.38	23.02	20.74	117.97	8.98	2.92	8.33	7.1
2022/04/11	MF	DS2	09:02	B	9.0	165.6	0.24	21.84	28.23	102.89	7.66	5.81	8.07	5.8
2022/04/11	MF	DS2	09:02	M	5.6	11.9	0.40	22.02	27.43	101.79	7.59	5.51	8.11	7.8
2022/04/11	MF	DS2	09:03	T	1.1	85.1	0.39	23.01	22.01	121.45	9.18	2.62	8.30	7.6
2022/04/11	MF	DS2	09:04	B	9.0	84.7	0.43	21.83	28.27	110.27	8.21	6.51	8.06	6.1
2022/04/11	MF	DS2	09:04	M	5.4	271.0	0.24	22.01	27.48	106.08	7.91	4.72	8.11	7.5
2022/04/11	MF	DS2	09:05	T	1.1	213.4	0.39	23.00	22.22	123.04	9.29	2.72	8.30	7.4
2022/04/11	MF	DS3	09:10	B	8.9	311.8	0.28	22.09	27.61	109.66	8.15	5.51	8.11	9.1
2022/04/11	MF	DS3	09:11	M	5.4	80.5	0.31	22.24	26.52	111.16	8.30	3.22	8.15	7.2
2022/04/11	MF	DS3	09:11	T	1.1	258.1	0.93	22.74	23.79	119.34	8.97	2.42	8.24	8.0
2022/04/11	MF	DS3	09:12	B	8.9	153.4	0.46	22.04	27.72	114.45	8.51	6.41	8.10	8.7
2022/04/11	MF	DS3	09:12	M	5.5	254.1	0.63	22.22	26.79	113.25	8.44	3.52	8.15	7.1
2022/04/11	MF	DS3	09:13	T	0.9	282.1	0.23	22.74	22.96	120.43	9.09	2.62	8.25	8.5
2022/04/11	MF	DS4	09:17	B	8.1	179.7	0.34	21.72	28.29	102.06	7.61	6.91	8.01	8.9
2022/04/11	MF	DS4	09:18	M	5.1	53.8	0.27	22.07	27.61	101.86	7.58	6.11	8.10	10.1
2022/04/11	MF	DS4	09:19	T	1.1	59.0	0.17	23.53	17.98	125.81	9.64	3.62	8.43	7.9
2022/04/11	MF	DS4	09:19	B	7.9	128.6	0.23	21.92	27.89	114.23	8.51	6.61	8.05	9.3
2022/04/11	MF	DS4	09:20	M	5.0	29.5	0.31	22.24	27.12	110.14	8.19	5.01	8.13	10.2
2022/04/11	MF	DS4	09:21	T	1.1	98.5	0.64	23.75	17.14	129.20	9.90	3.52	8.44	7.6
2022/04/11	MF	DS5	09:25	B	8.2	49.7	0.13	21.72	28.17	101.35	7.56	6.31	8.01	9.2
2022/04/11	MF	DS5	09:26	M	5.0	25.1	0.35	22.15	27.39	103.05	7.66	5.01	8.10	8.8
2022/04/11	MF	DS5	09:26	T	1.2	155.6	0.39	23.50	20.10	128.58	9.74	3.62	8.43	8.4
2022/04/11	MF	DS5	09:27	B	8.0	53.3	0.33	21.95	27.74	119.40	8.89	5.71	8.05	8.7
2022/04/11	MF	DS5	09:28	M	4.9	15.5	0.07	22.16	27.31	109.23	8.13	5.11	8.09	8.9
2022/04/11	MF	DS5	09:28	T	1.2	180.3	0.17	23.44	20.44	134.47	10.17	3.92	8.41	8.0
2022/04/11	MF	US1	09:41	B	10.0	330.6	0.10	21.63	28.74	97.34	7.25	5.21	7.99	7.1
2022/04/11	MF	US1	09:41	M	5.9	354.9	0.28	21.84	28.07	97.14	7.24	4.52	8.05	6.6
2022/04/11	MF	US1	09:42	T	0.9	182.5	0.34	23.42	18.06	141.41	10.85	3.22	8.47	8.1
2022/04/11	MF	US1	09:43	B	10.2	29.8	0.22	21.58	28.84	104.51	7.79	5.11	7.99	7.6
2022/04/11	MF	US1	09:44	M	6.1	122.8	0.58	21.83	28.16	99.82	7.43	5.21	8.05	7.1
2022/04/11	MF	US1	09:45	T	0.9	91.1	0.15	23.16	20.60	123.16	9.35	3.42	8.36	8.0
2022/04/11	MF	US2	09:50	B	9.0	138.6	0.25	21.71	28.69	101.71	7.57	8.51	8.02	15.4
2022/04/11	MF	US2	09:51	M	5.5	1.4	0.41	21.88	28.20	100.11	7.45	4.62	8.06	6.9
2022/04/11	MF	US2	09:51	T	1.0	294.7	0.55	23.34	19.32	130.72	9.97	3.12	8.39	8.2
2022/04/11	MF	US2	09:52	B	8.9	186.5	0.07	21.73	28.66	111.87	8.32	7.71	8.01	15.1
2022/04/11	MF	US2	09:53	M	5.4	68.5	0.44	21.94	28.05	103.70	7.71	4.32	8.08	7.3
2022/04/11	MF	US2	09:53	T	1.2	248.4	0.35	22.72	23.72	122.94	9.24	2.52	8.27	7.9