

## 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)
2022/03/21	ME	US1	13:43	B	10.2	78.6	0.33	20.68	27.77	105.91	8.07	4.72	8.12	6.8
2022/03/21	ME	US1	13:44	M	6.1	83.9	0.44	20.89	27.29	106.21	8.09	4.22	8.13	6.0
2022/03/21	ME	US1	13:44	T	1.0	140.6	0.58	21.94	25.82	114.73	8.64	2.72	8.20	6.8
2022/03/21	ME	US1	13:45	B	10.2	210.3	0.26	20.63	27.91	107.92	8.23	4.42	8.12	6.9
2022/03/21	ME	US1	13:46	M	6.0	100.0	0.55	20.89	27.24	106.62	8.12	4.52	8.13	6.0
2022/03/21	ME	US1	13:47	T	1.0	80.8	0.80	21.75	26.03	113.63	8.58	2.82	8.19	6.9
2022/03/21	ME	US2	13:52	B	9.1	115.7	0.28	20.36	28.60	102.23	7.80	5.21	8.10	9.5
2022/03/21	ME	US2	13:52	M	5.7	135.3	0.41	20.56	28.04	103.74	7.91	7.31	8.11	13.7
2022/03/21	ME	US2	13:53	T	1.3	118.8	0.58	21.06	26.96	106.74	8.12	3.92	8.13	5.8
2022/03/21	ME	US2	13:54	B	9.1	118.5	0.17	20.36	28.58	104.34	7.96	5.51	8.11	9.3
2022/03/21	ME	US2	13:55	M	5.7	120.0	0.65	20.60	27.94	104.64	7.98	6.81	8.12	13.7
2022/03/21	ME	US2	13:55	T	0.9	111.7	0.68	21.30	26.63	107.95	8.19	3.72	8.15	5.7
2022/03/21	ME	DS1	14:03	B	10.0	293.2	0.16	20.47	28.31	102.86	7.85	8.81	8.11	15.0
2022/03/21	ME	DS1	14:04	M	6.0	126.9	0.63	20.80	27.48	104.87	7.99	4.32	8.13	6.0
2022/03/21	ME	DS1	14:05	T	1.1	119.0	0.52	21.49	26.39	113.89	8.62	3.12	8.16	6.4
2022/03/21	ME	DS1	14:06	B	10.2	100.0	0.42	20.46	28.33	106.18	8.10	8.31	8.11	14.9
2022/03/21	ME	DS1	14:06	M	6.0	125.8	0.56	20.76	27.57	105.98	8.08	5.21	8.12	6.1
2022/03/21	ME	DS1	14:07	T	1.1	111.7	0.95	21.49	26.40	109.89	8.32	3.22	8.16	6.7
2022/03/21	ME	DS2	14:12	B	7.2	144.8	0.46	20.50	28.19	103.09	7.86	6.41	8.10	9.3
2022/03/21	ME	DS2	14:13	M	4.4	111.3	0.56	20.79	27.53	104.79	7.98	4.32	8.12	8.9
2022/03/21	ME	DS2	14:13	T	1.0	120.4	0.90	21.60	26.38	113.81	8.60	3.12	8.18	6.0
2022/03/21	ME	DS2	14:14	B	7.2	65.4	0.47	20.51	28.17	107.10	8.17	5.41	8.11	9.1
2022/03/21	ME	DS2	14:15	M	4.4	110.2	0.56	20.79	27.50	106.50	8.11	4.72	8.12	8.8
2022/03/21	ME	DS2	14:15	T	1.1	105.8	0.82	21.25	26.70	110.41	8.38	3.42	8.15	6.1
2022/03/21	ME	DS3	14:23	B	11.2	191.4	0.26	20.55	28.04	103.02	7.86	7.91	8.10	16.2
2022/03/21	ME	DS3	14:24	M	6.5	54.6	0.71	20.75	27.64	104.92	7.99	4.82	8.11	8.9
2022/03/21	ME	DS3	14:24	T	1.1	130.8	0.85	21.48	26.54	109.53	8.29	3.42	8.16	5.9
2022/03/21	ME	DS3	14:25	B	11.0	13.7	0.27	20.53	28.11	105.63	8.06	7.61	8.10	16.5
2022/03/21	ME	DS3	14:26	M	6.7	38.2	0.35	20.72	27.67	105.53	8.04	5.11	8.11	8.6
2022/03/21	ME	DS3	14:27	T	0.9	124.5	0.55	21.56	26.47	112.05	8.47	3.12	8.17	5.9
2022/03/21	ME	DS4	14:32	B	7.2	12.9	0.29	20.65	27.81	103.34	7.88	6.31	8.10	10.4
2022/03/21	ME	DS4	14:32	M	4.6	89.7	1.08	20.75	27.61	104.55	7.97	4.42	8.11	8.9
2022/03/21	ME	DS4	14:33	T	1.1	129.7	0.93	21.76	26.39	114.77	8.65	3.02	8.19	6.9
2022/03/21	ME	DS4	14:34	B	7.1	117.9	0.46	20.64	27.82	108.86	8.30	7.11	8.10	10.6
2022/03/21	ME	DS4	14:34	M	4.6	100.3	0.47	20.82	27.50	107.16	8.16	4.42	8.12	9.3
2022/03/21	ME	DS4	14:35	T	1.0	121.9	1.05	21.80	26.38	116.38	8.76	3.02	8.20	7.1
2022/03/21	ME	DS5	14:40	B	6.2	50.0	0.35	20.79	27.49	103.87	7.91	6.81	8.09	14.3
2022/03/21	ME	DS5	14:41	M	4.2	90.1	0.82	20.86	27.39	105.27	8.02	5.01	8.10	31.5
2022/03/21	ME	DS5	14:42	T	0.9	86.6	0.87	21.24	26.87	111.69	8.47	3.32	8.14	7.7
2022/03/21	ME	DS5	14:42	B	6.0	86.8	0.56	20.78	27.50	106.88	8.14	8.11	8.10	13.8
2022/03/21	ME	DS5	14:43	M	3.9	109.4	0.67	20.88	27.36	106.48	8.11	5.91	8.11	32.2
2022/03/21	ME	DS5	14:44	T	1.2	113.9	0.53	21.49	26.62	114.10	8.63	3.12	8.16	7.8
2022/03/21	ME	MW1	15:22	B	20.3	341.5	0.47	20.25	29.18	103.78	7.91	3.02	8.10	5.6
2022/03/21	ME	MW1	15:23	M	10.5	60.5	1.21	20.29	29.04	104.68	7.98	2.72	8.10	8.4
2022/03/21	ME	MW1	15:24	T	1.2	90.0	1.02	21.18	27.79	112.72	8.51	2.32	8.16	8.5
2022/03/21	ME	MW1	15:25	B	20.4	64.0	0.20	20.34	28.96	106.30	8.10	3.72	8.09	5.8
2022/03/21	ME	MW1	15:26	M	11.0	36.0	0.57	20.34	28.97	105.60	8.04	3.22	8.09	9.2
2022/03/21	ME	MW1	15:27	T	1.1	68.6	0.92	21.17	27.79	112.82	8.52	2.22	8.15	9.1

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2022/03/21	MF	MW1	07:49	B	19.1	111.6	0.57	20.40	28.43	103.59	7.91	2.52	8.03	15.8
2022/03/21	MF	MW1	07:50	M	10.6	24.4	0.04	20.35	28.58	104.68	7.99	3.32	8.03	12.9
2022/03/21	MF	MW1	07:50	T	1.0	54.6	0.30	20.55	27.95	105.97	8.09	2.12	8.04	5.1
2022/03/21	MF	MW1	07:52	B	18.8	15.7	0.46	20.35	28.58	104.67	7.99	2.82	8.04	15.3
2022/03/21	MF	MW1	07:52	M	10.4	359.8	0.30	20.34	28.60	104.86	8.00	2.82	8.04	12.6
2022/03/21	MF	MW1	07:53	T	0.9	295.2	0.21	20.55	27.94	105.95	8.09	2.52	8.05	5.3
2022/03/21	MF	DS1	08:54	B	9.1	252.7	1.10	20.69	27.56	104.71	7.99	15.00	8.06	15.7
2022/03/21	MF	DS1	08:56	M	5.7	277.7	0.81	20.95	26.79	106.08	8.09	8.91	8.06	14.9
2022/03/21	MF	DS1	08:57	T	1.3	271.5	0.71	20.98	26.72	106.66	8.14	8.51	8.07	10.6
2022/03/21	MF	DS1	08:58	B	9.5	291.0	1.17	20.69	27.55	105.17	8.03	16.20	8.06	15.6
2022/03/21	MF	DS1	08:58	M	5.2	272.2	0.31	20.95	26.78	105.86	8.08	9.61	8.06	14.8
2022/03/21	MF	DS1	08:59	T	1.1	302.0	0.34	20.98	26.75	106.54	8.12	8.21	8.07	11.0
2022/03/21	MF	DS2	09:05	B	7.8	324.0	0.84	20.78	27.29	104.21	7.95	12.41	8.06	15.0
2022/03/21	MF	DS2	09:07	M	4.4	347.5	0.60	20.97	26.73	106.38	8.11	7.91	8.06	13.3
2022/03/21	MF	DS2	09:08	T	1.1	301.1	1.11	20.99	26.71	106.86	8.15	7.71	8.07	12.1
2022/03/21	MF	DS2	09:08	B	7.9	318.3	0.58	20.91	26.91	106.17	8.10	9.01	8.06	15.0
2022/03/21	MF	DS2	09:09	M	5.1	290.2	0.38	20.96	26.77	106.26	8.11	8.41	8.07	12.8
2022/03/21	MF	DS2	09:10	T	1.2	303.2	0.80	21.00	26.70	106.75	8.14	6.81	8.07	12.3
2022/03/21	MF	DS3	09:15	B	8.4	304.9	0.50	20.81	27.21	104.03	7.94	17.90	8.06	33.4
2022/03/21	MF	DS3	09:16	M	4.7	293.3	0.99	20.99	26.71	105.51	8.05	9.31	8.07	12.8
2022/03/21	MF	DS3	09:16	T	0.9	315.5	0.53	21.04	26.64	106.69	8.13	7.31	8.07	16.2
2022/03/21	MF	DS3	09:18	B	8.1	307.9	0.47	20.83	27.15	105.39	8.04	16.40	8.07	32.8
2022/03/21	MF	DS3	09:18	M	5.0	295.7	1.01	21.00	26.69	106.08	8.09	9.71	8.07	13.2
2022/03/21	MF	DS3	09:19	T	1.3	321.2	0.94	21.03	26.65	106.96	8.15	8.31	8.08	16.4
2022/03/21	MF	DS4	09:25	B	8.0	325.5	0.14	20.88	26.97	104.84	8.00	18.50	8.07	37.1
2022/03/21	MF	DS4	09:25	M	5.2	261.4	0.47	20.93	26.85	105.32	8.03	10.51	8.07	13.7
2022/03/21	MF	DS4	09:26	T	1.3	310.5	0.52	21.03	26.70	106.70	8.13	6.71	8.08	22.1
2022/03/21	MF	DS4	09:27	B	8.1	304.6	0.70	20.88	26.98	105.70	8.06	16.50	8.07	35.5
2022/03/21	MF	DS4	09:28	M	5.0	307.2	0.87	20.91	26.89	105.79	8.07	12.21	8.07	13.1
2022/03/21	MF	DS4	09:29	T	1.1	327.5	1.04	21.04	26.71	106.97	8.15	7.31	8.08	22.5
2022/03/21	MF	DS5	09:34	B	8.2	300.6	0.45	21.02	26.59	105.54	8.05	13.31	8.07	16.4
2022/03/21	MF	DS5	09:35	M	4.9	303.6	0.82	21.02	26.60	105.93	8.08	11.91	8.07	18.1
2022/03/21	MF	DS5	09:35	T	0.9	330.8	0.78	21.04	26.60	106.22	8.10	9.41	8.08	12.7
2022/03/21	MF	DS5	09:36	B	8.1	324.7	0.78	21.02	26.61	105.82	8.07	10.41	8.07	16.2
2022/03/21	MF	DS5	09:37	M	5.0	300.4	0.73	21.02	26.62	106.21	8.10	12.21	8.07	17.6
2022/03/21	MF	DS5	09:38	T	0.9	270.7	0.52	21.04	26.62	106.40	8.11	9.41	8.07	12.4
2022/03/21	MF	US1	09:52	B	11.2	289.4	0.50	20.59	27.91	102.82	7.84	12.41	8.07	17.5
2022/03/21	MF	US1	09:53	M	6.4	297.6	0.52	20.82	27.39	105.17	8.01	5.71	8.08	10.1
2022/03/21	MF	US1	09:54	T	0.9	268.3	0.77	20.89	27.39	106.06	8.07	5.01	8.09	24.8
2022/03/21	MF	US1	09:55	B	11.0	278.5	0.74	20.54	28.05	104.67	7.99	12.91	8.07	18.0
2022/03/21	MF	US1	09:55	M	6.6	292.9	0.57	20.73	27.53	104.86	8.00	6.51	8.08	10.6
2022/03/21	MF	US1	09:56	T	1.1	304.9	0.68	20.87	27.40	106.23	8.09	5.21	8.09	24.4
2022/03/21	MF	US2	10:02	B	7.9	241.7	0.56	20.53	28.07	102.83	7.85	11.21	8.07	16.5
2022/03/21	MF	US2	10:03	M	5.4	260.7	0.97	20.60	27.90	104.10	7.94	9.11	8.07	13.9
2022/03/21	MF	US2	10:04	T	1.1	296.9	0.46	20.97	27.20	105.87	8.05	5.01	8.09	7.1
2022/03/21	MF	US2	10:05	B	8.1	275.1	0.36	20.51	28.10	104.39	7.97	11.61	8.07	16.2
2022/03/21	MF	US2	10:05	M	4.9	294.1	0.76	20.56	27.99	104.38	7.96	9.41	8.08	14.8
2022/03/21	MF	US2	10:06	T	1.0	322.2	0.70	20.96	27.20	105.85	8.05	5.71	8.09	7.1