

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)
2022/05/18	ME	US1	13:03	B	10.1	50.2	0.34	24.65	26.86	81.62	5.82	37.78	8.09	56.0
2022/05/18	ME	US1	13:03	M	5.8	127.1	0.79	24.68	25.47	81.82	5.88	16.88	8.09	16.2
2022/05/18	ME	US1	13:04	T	1.1	79.2	0.88	24.81	23.84	83.41	6.04	4.38	8.07	11.9
2022/05/18	ME	US1	13:05	B	9.8	144.4	0.52	24.65	26.68	80.91	5.78	32.08	8.09	54.9
2022/05/18	ME	US1	13:05	M	5.7	98.6	1.06	24.63	26.11	82.01	5.88	16.98	8.10	16.0
2022/05/18	ME	US1	13:06	T	1.0	113.8	0.40	24.77	24.28	82.71	5.98	4.88	8.07	12.1
2022/05/18	ME	US2	13:13	B	9.1	90.8	0.22	24.67	26.03	83.79	6.01	13.28	8.10	18.1
2022/05/18	ME	US2	13:13	M	5.5	122.4	1.26	24.72	24.80	85.39	6.16	5.88	8.10	10.8
2022/05/18	ME	US2	13:14	T	1.1	135.0	1.22	24.82	23.94	85.59	6.19	2.98	8.08	6.6
2022/05/18	ME	US2	13:15	B	8.9	114.9	0.67	24.68	25.80	83.19	5.97	12.38	8.10	17.5
2022/05/18	ME	US2	13:15	M	5.8	120.2	1.02	24.74	24.74	86.08	6.21	6.38	8.11	10.7
2022/05/18	ME	US2	13:16	T	1.2	118.5	0.50	24.80	24.14	85.78	6.20	3.28	8.08	6.7
2022/05/18	ME	DS1	13:23	B	10.0	112.4	0.85	24.65	26.91	81.17	5.79	23.58	8.09	33.0
2022/05/18	ME	DS1	13:24	M	6.0	98.3	0.73	24.65	26.02	82.37	5.91	11.18	8.09	12.0
2022/05/18	ME	DS1	13:24	T	1.3	111.1	0.89	24.96	23.25	85.66	6.21	3.48	8.06	21.5
2022/05/18	ME	DS1	13:25	B	10.2	100.9	0.60	24.66	27.07	80.47	5.73	25.98	8.07	32.5
2022/05/18	ME	DS1	13:26	M	5.9	161.5	0.34	24.69	25.36	82.16	5.91	7.98	8.08	12.1
2022/05/18	ME	DS1	13:26	T	1.3	99.6	0.86	24.93	23.39	85.36	6.18	2.88	8.06	22.0
2022/05/18	ME	DS2	13:31	B	7.8	82.6	0.58	24.66	26.87	80.55	5.75	34.18	8.08	45.0
2022/05/18	ME	DS2	13:32	M	4.9	116.4	1.29	24.67	25.86	82.15	5.89	9.48	8.07	6.1
2022/05/18	ME	DS2	13:32	T	1.0	113.9	0.90	25.01	23.13	87.24	6.32	2.88	8.06	10.0
2022/05/18	ME	DS2	13:33	B	8.0	102.3	1.09	24.67	26.97	79.95	5.70	33.78	8.06	44.8
2022/05/18	ME	DS2	13:34	M	5.0	117.8	1.02	24.68	25.63	81.65	5.86	10.38	8.07	6.2
2022/05/18	ME	DS2	13:34	T	1.0	134.4	1.12	24.99	23.23	86.34	6.25	2.88	8.06	10.5
2022/05/18	ME	DS3	13:41	B	10.0	39.6	0.87	24.67	26.80	79.83	5.70	26.78	8.06	37.6
2022/05/18	ME	DS3	13:42	M	6.2	108.9	0.72	24.66	26.48	80.63	5.76	17.08	8.07	15.5
2022/05/18	ME	DS3	13:43	T	1.1	79.5	0.85	24.98	23.34	86.91	6.29	2.18	8.05	13.6
2022/05/18	ME	DS3	13:43	B	9.8	127.8	0.26	24.67	26.84	79.83	5.69	25.98	8.06	35.9
2022/05/18	ME	DS3	13:44	M	5.8	109.1	0.88	24.66	26.46	80.72	5.77	18.48	8.07	15.5
2022/05/18	ME	DS3	13:45	T	1.1	38.4	0.30	24.90	23.69	85.31	6.17	3.48	8.05	13.4
2022/05/18	ME	DS4	13:52	B	7.9	104.1	0.56	24.67	26.58	82.00	5.86	22.98	8.06	38.0
2022/05/18	ME	DS4	13:52	M	5.3	116.7	0.79	24.69	25.69	82.40	5.92	9.88	8.06	14.5
2022/05/18	ME	DS4	13:53	T	1.0	98.0	1.10	24.98	23.48	85.99	6.22	3.68	8.05	7.2
2022/05/18	ME	DS4	13:53	B	8.3	82.5	1.01	24.67	26.59	80.60	5.76	22.98	8.05	37.1
2022/05/18	ME	DS4	13:54	M	4.7	90.0	0.78	24.69	25.72	81.70	5.86	11.08	8.06	14.7
2022/05/18	ME	DS4	13:54	T	1.2	105.1	1.39	24.88	23.96	84.59	6.11	3.28	8.05	7.3
2022/05/18	ME	DS5	13:59	B	6.8	92.6	0.46	24.69	26.44	82.29	5.88	30.78	8.06	59.4
2022/05/18	ME	DS5	13:59	M	4.6	124.6	0.77	24.69	26.19	80.49	5.76	22.68	8.05	25.0
2022/05/18	ME	DS5	14:00	T	1.2	126.0	0.77	24.93	23.89	85.97	6.21	5.68	8.04	8.6
2022/05/18	ME	DS5	14:00	B	7.1	77.3	0.91	24.69	26.44	79.69	5.70	32.08	8.04	59.8
2022/05/18	ME	DS5	14:01	M	4.7	106.7	0.98	24.69	26.26	79.99	5.72	22.78	8.05	25.0
2022/05/18	ME	DS5	14:02	T	1.2	113.0	1.33	24.89	23.84	84.37	6.10	5.48	8.04	8.7
2022/05/18	ME	MW1	14:39	B	19.0	1.1	0.50	24.71	27.66	84.29	5.98	4.28	8.07	6.4
2022/05/18	ME	MW1	14:40	M	10.7	26.5	0.48	24.72	27.16	83.79	5.96	2.68	8.06	9.1
2022/05/18	ME	MW1	14:40	T	1.1	68.5	1.02	24.89	25.27	85.78	6.15	2.58	8.06	5.8
2022/05/18	ME	MW1	14:41	B	18.8	21.0	0.68	24.72	27.45	83.28	5.92	5.08	8.07	6.6
2022/05/18	ME	MW1	14:42	M	10.4	107.3	0.35	24.71	27.29	83.38	5.93	4.58	8.06	9.1
2022/05/18	ME	MW1	14:43	T	1.0	108.9	1.10	24.88	25.32	85.77	6.15	2.48	8.04	5.7

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2022/05/18	MF	MW1	06:13	B	18.9	101.4	0.36	24.66	28.21	79.79	5.65	3.98	8.05	8.7
2022/05/18	MF	MW1	06:14	M	10.7	297.4	0.19	24.60	27.66	79.99	5.69	3.68	8.04	4.4
2022/05/18	MF	MW1	06:15	T	1.1	193.6	0.40	24.32	24.44	83.50	6.08	2.28	8.02	8.1
2022/05/18	MF	MW1	06:16	B	18.8	157.1	0.25	24.66	28.41	79.20	5.60	4.18	8.04	8.8
2022/05/18	MF	MW1	06:16	M	10.6	100.9	0.05	24.63	28.05	79.40	5.63	3.98	8.04	4.2
2022/05/18	MF	MW1	06:17	T	1.3	194.1	0.31	24.34	24.57	83.11	6.04	2.68	8.02	8.0
2022/05/18	MF	DS1	07:23	B	10.0	330.0	0.68	24.69	26.56	77.79	5.56	14.38	8.07	12.1
2022/05/18	MF	DS1	07:24	M	5.9	304.1	0.30	24.69	26.22	78.19	5.60	11.88	8.07	15.6
2022/05/18	MF	DS1	07:24	T	1.0	317.1	0.53	24.63	20.69	80.60	5.96	3.88	8.03	3.7
2022/05/18	MF	DS1	07:25	B	9.9	165.7	0.16	24.71	23.78	79.40	5.76	4.88	8.05	12.7
2022/05/18	MF	DS1	07:26	M	6.0	269.8	0.84	24.68	22.85	80.61	5.88	3.18	8.03	15.2
2022/05/18	MF	DS1	07:27	T	1.1	355.7	1.01	24.66	22.03	80.81	5.93	2.88	8.03	3.6
2022/05/18	MF	DS2	07:33	B	9.0	327.6	0.39	24.68	27.08	77.72	5.54	104.28	8.07	66.6
2022/05/18	MF	DS2	07:34	M	5.7	317.7	0.76	24.69	26.35	77.62	5.55	16.18	8.07	14.0
2022/05/18	MF	DS2	07:35	T	1.2	328.3	0.95	24.62	21.83	80.73	5.93	4.48	8.04	5.0
2022/05/18	MF	DS2	07:36	B	8.8	288.7	0.90	24.68	27.02	77.02	5.49	95.18	8.07	65.9
2022/05/18	MF	DS2	07:37	M	5.6	328.4	0.67	24.70	25.05	78.23	5.64	11.28	8.07	13.8
2022/05/18	MF	DS2	07:37	T	1.3	314.0	0.96	24.64	21.82	80.44	5.91	4.08	8.04	5.0
2022/05/18	MF	DS3	07:50	B	8.9	262.0	0.24	24.68	27.16	78.07	5.56	57.88	8.07	46.2
2022/05/18	MF	DS3	07:51	M	5.7	295.7	0.63	24.69	26.64	78.17	5.58	26.38	8.07	24.9
2022/05/18	MF	DS3	07:52	T	1.2	286.1	0.97	24.78	23.05	79.38	5.78	5.88	8.03	5.3
2022/05/18	MF	DS3	07:52	B	8.9	339.2	0.61	24.68	27.16	77.47	5.52	58.58	8.06	46.7
2022/05/18	MF	DS3	07:53	M	5.7	294.0	0.76	24.70	26.71	77.87	5.56	31.48	8.07	25.3
2022/05/18	MF	DS3	07:54	T	1.1	305.0	0.89	24.74	22.46	79.68	5.82	6.78	8.03	5.3
2022/05/18	MF	DS4	08:01	B	8.9	295.4	0.42	24.69	26.81	78.30	5.58	34.78	8.06	37.2
2022/05/18	MF	DS4	08:01	M	5.4	308.4	0.93	24.73	25.75	77.90	5.59	11.88	8.05	8.9
2022/05/18	MF	DS4	08:02	T	1.2	309.5	0.96	24.70	20.77	80.71	5.96	4.18	8.01	4.0
2022/05/18	MF	DS4	08:03	B	9.2	292.6	0.50	24.69	26.77	77.70	5.54	35.88	8.06	35.4
2022/05/18	MF	DS4	08:03	M	5.6	278.7	1.00	24.73	25.80	77.80	5.58	14.68	8.05	8.5
2022/05/18	MF	DS4	08:04	T	1.2	301.4	0.94	24.66	20.61	80.72	5.97	4.38	8.01	3.9
2022/05/18	MF	DS5	08:11	B	8.9	314.1	0.48	24.70	26.39	77.42	5.53	48.48	8.04	62.0
2022/05/18	MF	DS5	08:12	M	5.7	340.4	0.47	24.76	25.05	76.92	5.54	19.58	8.03	27.7
2022/05/18	MF	DS5	08:13	T	1.1	303.0	1.07	24.84	22.33	79.74	5.82	2.98	8.01	6.8
2022/05/18	MF	DS5	08:14	B	9.0	280.3	0.39	24.70	26.38	77.03	5.51	46.48	8.04	61.3
2022/05/18	MF	DS5	08:14	M	5.7	4.2	0.59	24.76	24.84	77.03	5.55	20.18	8.03	28.4
2022/05/18	MF	DS5	08:15	T	1.0	340.3	0.81	24.71	20.97	80.05	5.90	4.78	8.01	6.7
2022/05/18	MF	US1	08:35	B	10.9	301.6	0.55	24.68	27.79	80.81	5.73	18.78	8.07	19.0
2022/05/18	MF	US1	08:36	M	6.6	287.1	0.94	24.68	27.43	80.31	5.71	12.48	8.07	15.0
2022/05/18	MF	US1	08:36	T	1.2	343.1	0.79	24.62	23.33	81.82	5.96	4.68	8.03	11.5
2022/05/18	MF	US1	08:37	B	11.2	228.2	1.60	24.68	27.83	79.61	5.65	18.58	8.06	18.5
2022/05/18	MF	US1	08:38	M	6.3	279.9	0.80	24.67	25.74	79.91	5.74	9.08	8.05	15.8
2022/05/18	MF	US1	08:38	T	1.2	277.5	1.14	24.59	22.83	82.63	6.04	3.78	8.02	11.9
2022/05/18	MF	US2	08:46	B	8.1	267.3	0.49	24.69	28.54	81.05	5.72	24.28	8.07	25.6
2022/05/18	MF	US2	08:47	M	5.0	278.5	0.92	24.68	27.76	79.94	5.67	16.68	8.06	16.3
2022/05/18	MF	US2	08:47	T	0.9	306.9	0.59	24.68	23.49	81.45	5.92	5.88	8.02	28.9
2022/05/18	MF	US2	08:48	B	8.4	226.3	0.42	24.70	28.58	79.64	5.62	21.58	8.06	25.3
2022/05/18	MF	US2	08:49	M	4.9	286.0	0.70	24.66	27.21	79.95	5.69	10.98	8.06	16.5
2022/05/18	MF	US2	08:49	T	1.1	306.9	0.59	24.68	23.58	81.05	5.89	4.98	8.03	29.7