

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)
2022/05/16	ME	US1	13:02	B	8.8	104.7	1.03	24.66	24.35	80.13	5.80	15.38	8.10	14.9
2022/05/16	ME	US1	13:03	M	5.5	89.2	0.81	24.62	23.55	80.72	5.87	8.58	8.10	9.2
2022/05/16	ME	US1	13:03	T	1.0	119.6	1.32	24.61	20.63	82.82	6.13	2.18	8.07	3.2
2022/05/16	ME	US1	13:06	B	9.1	118.9	0.42	24.65	24.03	81.02	5.88	13.98	8.09	15.2
2022/05/16	ME	US1	13:06	M	5.6	110.1	0.56	24.64	23.82	80.22	5.83	11.38	8.09	9.4
2022/05/16	ME	US1	13:07	T	1.0	156.6	1.89	24.60	20.88	83.31	6.16	3.08	8.07	3.1
2022/05/16	ME	US2	13:12	B	7.9	146.5	0.92	24.67	24.50	79.82	5.77	27.18	8.09	20.1
2022/05/16	ME	US2	13:13	M	5.0	134.1	1.03	24.67	24.46	79.62	5.76	19.88	8.09	13.1
2022/05/16	ME	US2	13:13	T	1.2	125.9	1.57	24.61	21.03	83.81	6.19	4.58	8.08	2.6
2022/05/16	ME	US2	13:18	B	7.9	122.9	0.47	24.67	24.69	80.71	5.83	27.28	8.10	20.2
2022/05/16	ME	US2	13:19	M	5.1	128.5	1.23	24.68	24.55	79.71	5.76	19.08	8.10	13.3
2022/05/16	ME	US2	13:19	T	1.1	138.9	0.92	24.61	20.96	84.10	6.21	3.68	8.08	2.6
2022/05/16	ME	DS1	13:28	B	9.0	97.4	0.43	24.71	25.07	81.00	5.83	13.68	8.10	12.1
2022/05/16	ME	DS1	13:28	M	5.5	97.1	0.62	24.69	24.50	79.90	5.77	12.78	8.09	13.8
2022/05/16	ME	DS1	13:29	T	1.1	36.9	0.42	24.69	22.81	82.39	6.01	4.88	8.07	2.5
2022/05/16	ME	DS1	13:32	B	8.8	133.7	0.49	24.71	24.96	80.60	5.81	12.68	8.08	12.0
2022/05/16	ME	DS1	13:32	M	5.6	105.0	1.18	24.70	24.43	79.70	5.76	13.68	8.08	13.7
2022/05/16	ME	DS1	13:33	T	1.0	126.1	0.79	24.71	22.04	81.49	5.97	6.28	8.07	2.5
2022/05/16	ME	DS2	13:38	B	8.0	68.9	0.97	24.71	25.00	80.19	5.78	16.38	8.08	16.7
2022/05/16	ME	DS2	13:38	M	5.2	86.9	0.82	24.70	24.74	79.49	5.74	14.08	8.08	16.6
2022/05/16	ME	DS2	13:39	T	1.0	131.4	1.13	24.68	22.77	81.59	5.96	8.08	8.07	7.0
2022/05/16	ME	DS2	13:40	B	8.1	89.4	0.46	24.71	24.96	79.09	5.70	18.58	8.08	16.7
2022/05/16	ME	DS2	13:40	M	4.9	105.6	0.94	24.70	24.59	79.19	5.72	14.98	8.08	16.6
2022/05/16	ME	DS2	13:40	T	1.1	107.2	1.13	24.68	22.43	81.58	5.97	7.98	8.07	6.8
2022/05/16	ME	DS3	13:45	B	11.0	73.1	0.32	24.69	24.71	80.68	5.82	16.28	8.08	13.2
2022/05/16	ME	DS3	13:46	M	6.5	94.4	0.49	24.70	24.59	79.68	5.76	13.58	8.08	22.4
2022/05/16	ME	DS3	13:46	T	1.1	88.3	0.85	24.69	21.59	82.67	6.08	4.88	8.07	2.6
2022/05/16	ME	DS3	13:47	B	11.2	247.4	0.24	24.69	24.75	79.38	5.73	17.08	8.08	13.1
2022/05/16	ME	DS3	13:47	M	6.5	109.4	0.81	24.70	24.52	79.18	5.72	15.08	8.08	22.7
2022/05/16	ME	DS3	13:48	T	1.0	95.3	1.46	24.75	22.45	81.28	5.94	5.38	8.07	2.7
2022/05/16	ME	DS4	13:52	B	7.1	71.4	0.63	24.69	24.57	81.37	5.88	13.68	8.08	17.1
2022/05/16	ME	DS4	13:53	M	4.3	109.0	0.65	24.70	24.05	80.27	5.82	10.38	8.08	10.7
2022/05/16	ME	DS4	13:53	T	1.1	85.3	0.94	24.75	22.98	80.97	5.90	5.78	8.07	6.5
2022/05/16	ME	DS4	13:54	B	7.1	60.9	0.56	24.69	24.56	79.58	5.75	13.18	8.08	16.8
2022/05/16	ME	DS4	13:54	M	4.5	245.7	0.41	24.69	24.26	79.58	5.76	13.18	8.07	10.7
2022/05/16	ME	DS4	13:55	T	1.1	70.4	1.45	24.73	23.25	80.77	5.88	5.58	8.07	6.4
2022/05/16	ME	DS5	14:01	B	7.0	84.9	0.41	24.76	25.15	78.57	5.65	19.68	8.06	19.8
2022/05/16	ME	DS5	14:01	M	4.4	79.7	0.69	24.68	23.98	79.47	5.76	14.98	8.06	16.1
2022/05/16	ME	DS5	14:01	T	1.0	95.8	0.66	24.73	23.08	80.67	5.87	8.38	8.06	5.8
2022/05/16	ME	DS5	14:02	B	7.1	61.6	0.48	24.75	24.85	78.57	5.66	17.88	8.06	20.8
2022/05/16	ME	DS5	14:03	M	4.6	84.8	0.82	24.70	24.35	79.17	5.73	14.88	8.06	16.1
2022/05/16	ME	DS5	14:03	T	1.0	95.8	0.66	24.73	22.68	81.06	5.92	6.68	8.06	5.7
2022/05/16	ME	MW1	11:35	B	20.1	336.4	0.19	24.75	29.85	80.31	5.62	5.08	8.11	6.9
2022/05/16	ME	MW1	11:36	M	11.2	86.6	0.31	24.75	29.23	80.01	5.62	2.68	8.11	3.0
2022/05/16	ME	MW1	11:36	T	1.1	84.7	0.63	24.62	26.51	81.61	5.84	2.18	8.11	3.9
2022/05/16	ME	MW1	11:37	B	20.1	39.3	0.36	24.75	29.68	79.41	5.57	3.68	8.12	6.7
2022/05/16	ME	MW1	11:38	M	10.9	70.1	0.43	24.75	29.62	79.51	5.58	2.98	8.13	3.0
2022/05/16	ME	MW1	11:39	T	1.2	79.4	0.47	24.60	26.90	82.51	5.89	2.28	8.14	3.9

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2022/05/16	MF	MW1	20:28	B	19.1	134.8	0.19	24.73	29.91	79.55	5.57	8.08	8.10	11.3
2022/05/16	MF	MW1	20:28	M	10.4	196.3	0.18	24.73	29.34	78.95	5.55	6.28	8.10	9.8
2022/05/16	MF	MW1	20:29	T	1.1	181.5	0.11	24.74	27.73	78.75	5.58	3.68	8.08	4.6
2022/05/16	MF	MW1	20:30	B	19.5	98.6	0.57	24.73	29.90	78.75	5.52	8.98	8.10	11.7
2022/05/16	MF	MW1	20:31	M	10.5	335.1	0.28	24.74	29.14	78.55	5.52	6.08	8.10	10.2
2022/05/16	MF	MW1	20:32	T	1.2	313.0	0.50	24.74	27.97	78.45	5.55	3.68	8.08	4.6
2022/05/16	MF	DS1	18:30	B	8.9	272.2	0.69	24.72	23.11	78.35	5.70	9.98	8.04	15.4
2022/05/16	MF	DS1	18:31	M	5.4	276.6	0.61	24.65	20.45	80.35	5.95	3.48	8.01	13.0
2022/05/16	MF	DS1	18:32	T	1.0	258.6	0.35	24.62	19.46	80.05	5.96	2.88	7.99	3.3
2022/05/16	MF	DS1	18:32	B	9.0	171.4	0.98	24.80	25.74	77.25	5.53	12.28	8.05	15.2
2022/05/16	MF	DS1	18:33	M	5.5	345.6	0.25	24.71	22.17	79.75	5.84	6.58	8.04	13.0
2022/05/16	MF	DS1	18:33	T	1.2	7.5	0.11	24.60	19.52	80.26	5.98	3.38	8.00	3.5
2022/05/16	MF	DS2	18:39	B	8.0	18.3	0.15	24.73	23.67	79.66	5.78	9.78	8.06	11.2
2022/05/16	MF	DS2	18:39	M	4.8	4.0	0.41	24.69	22.02	79.96	5.86	8.78	8.04	11.2
2022/05/16	MF	DS2	18:40	T	1.0	13.6	0.28	24.67	20.44	80.16	5.93	3.08	8.02	3.7
2022/05/16	MF	DS2	18:40	B	8.1	285.8	0.32	24.75	24.16	78.16	5.65	10.88	8.06	11.0
2022/05/16	MF	DS2	18:41	M	5.1	305.9	0.92	24.69	22.16	79.26	5.81	8.68	8.04	11.2
2022/05/16	MF	DS2	18:41	T	1.1	13.6	0.28	24.67	20.45	79.86	5.91	3.78	8.02	3.8
2022/05/16	MF	DS3	18:47	B	8.1	220.4	0.09	24.76	24.05	79.07	5.72	8.18	8.06	10.0
2022/05/16	MF	DS3	18:48	M	4.7	311.8	0.77	24.67	21.01	79.97	5.90	4.08	8.03	4.9
2022/05/16	MF	DS3	18:48	T	1.2	334.7	0.34	24.54	18.76	80.47	6.03	2.98	7.99	3.4
2022/05/16	MF	DS3	18:49	B	8.1	293.8	0.57	24.76	24.05	78.27	5.66	7.48	8.05	9.8
2022/05/16	MF	DS3	18:50	M	5.2	329.3	0.83	24.69	21.54	79.17	5.82	5.18	8.04	5.0
2022/05/16	MF	DS3	18:50	T	1.1	84.5	0.40	24.56	18.91	80.17	6.00	3.08	8.00	3.4
2022/05/16	MF	DS4	18:55	B	7.1	324.9	0.52	24.76	23.41	78.67	5.71	11.88	8.04	15.2
2022/05/16	MF	DS4	18:55	M	4.5	211.9	0.13	24.66	21.05	80.07	5.91	5.28	8.02	5.9
2022/05/16	MF	DS4	18:56	T	1.0	346.4	0.40	24.59	18.81	79.77	5.97	3.48	7.98	4.0
2022/05/16	MF	DS4	18:57	B	7.1	311.4	0.46	24.74	22.66	78.67	5.74	7.98	8.03	14.8
2022/05/16	MF	DS4	18:59	M	4.5	313.0	0.54	24.63	20.09	79.98	5.93	2.88	8.00	5.8
2022/05/16	MF	DS4	19:00	T	1.0	225.5	0.38	24.54	18.54	79.48	5.96	3.38	7.97	4.1
2022/05/16	MF	DS5	19:04	B	7.3	285.0	0.55	24.80	25.02	77.88	5.60	13.38	8.04	17.5
2022/05/16	MF	DS5	19:04	M	4.7	296.3	0.34	24.64	20.09	78.68	5.84	4.38	8.00	4.5
2022/05/16	MF	DS5	19:05	T	1.0	264.0	0.39	24.63	18.58	78.58	5.88	3.58	7.97	5.1
2022/05/16	MF	DS5	19:06	B	7.2	348.3	0.94	24.77	23.56	77.48	5.62	11.78	8.03	17.9
2022/05/16	MF	DS5	19:06	M	4.5	333.0	0.42	24.68	19.17	77.98	5.81	4.08	7.98	4.5
2022/05/16	MF	DS5	19:07	T	1.2	264.0	0.39	24.63	18.54	78.28	5.86	3.58	7.97	5.2
2022/05/16	MF	US1	19:21	B	9.2	280.9	0.65	24.82	26.81	78.69	5.60	17.28	8.06	21.1
2022/05/16	MF	US1	19:22	M	5.5	236.7	0.50	24.81	26.19	78.09	5.58	10.98	8.06	10.0
2022/05/16	MF	US1	19:22	T	1.3	305.2	0.59	24.63	21.50	81.70	6.01	3.68	8.04	4.0
2022/05/16	MF	US1	19:23	B	8.9	274.1	0.34	24.82	26.65	77.09	5.49	15.98	8.06	20.5
2022/05/16	MF	US1	19:24	M	5.6	335.2	0.40	24.76	24.12	78.90	5.71	6.48	8.05	10.1
2022/05/16	MF	US1	19:24	T	1.0	166.9	0.94	24.57	21.20	79.10	5.84	5.78	8.03	4.0
2022/05/16	MF	US2	19:29	B	7.2	224.1	0.37	24.83	26.97	78.70	5.59	11.98	8.07	16.5
2022/05/16	MF	US2	19:30	M	4.4	288.7	0.87	24.78	25.48	78.50	5.63	6.78	8.06	7.9
2022/05/16	MF	US2	19:30	T	0.9	220.4	0.07	24.62	22.09	81.41	5.97	3.58	8.04	4.2
2022/05/16	MF	US2	19:31	B	7.1	283.4	0.31	24.83	26.89	77.50	5.51	10.28	8.07	16.8
2022/05/16	MF	US2	19:31	M	4.5	280.4	0.74	24.72	24.29	78.80	5.70	6.28	8.05	8.1
2022/05/16	MF	US2	19:32	T	1.2	220.4	0.07	24.62	21.98	81.61	5.99	3.38	8.04	4.3