

## 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)
2022/04/04	ME	US1	13:26	B	8.8	84.4	0.84	20.40	29.95	91.33	6.91	6.51	8.04	8.1
2022/04/04	ME	US1	13:26	M	5.5	87.7	0.39	20.40	29.41	90.23	6.85	6.51	8.03	9.9
2022/04/04	ME	US1	13:27	T	1.1	111.6	0.91	21.16	28.84	91.03	6.83	3.82	8.02	10.3
2022/04/04	ME	US1	13:28	B	9.1	74.6	0.84	20.40	30.00	88.13	6.66	6.41	8.03	8.2
2022/04/04	ME	US1	13:29	M	5.5	64.4	0.52	20.37	29.47	87.53	6.64	6.21	8.02	10.5
2022/04/04	ME	US1	13:29	T	1.1	90.1	0.70	21.21	28.86	89.93	6.75	4.02	8.01	10.1
2022/04/04	ME	US2	13:37	B	9.0	113.9	0.32	20.40	30.00	91.93	6.95	8.51	8.02	11.6
2022/04/04	ME	US2	13:37	M	5.6	104.0	0.42	20.36	29.58	88.53	6.72	6.21	8.02	9.7
2022/04/04	ME	US2	13:38	T	0.9	117.6	0.94	20.97	29.10	90.23	6.79	4.02	8.01	7.6
2022/04/04	ME	US2	13:39	B	9.2	107.3	0.26	20.40	30.02	87.73	6.63	9.41	8.02	11.0
2022/04/04	ME	US2	13:40	M	5.6	115.9	0.87	20.75	29.14	88.23	6.66	4.82	8.01	9.4
2022/04/04	ME	US2	13:40	T	1.2	137.8	0.75	20.89	29.12	90.03	6.78	4.22	8.01	7.5
2022/04/04	ME	DS1	13:47	B	10.0	122.8	0.50	20.40	30.15	90.34	6.83	5.61	8.02	13.7
2022/04/04	ME	DS1	13:47	M	6.1	117.0	0.68	20.37	29.62	87.94	6.67	7.01	8.01	9.6
2022/04/04	ME	DS1	13:48	T	1.1	76.9	0.53	21.09	28.95	90.14	6.77	4.12	8.00	5.9
2022/04/04	ME	DS1	13:49	B	10.1	96.8	0.52	20.41	30.28	87.54	6.61	5.81	8.02	13.5
2022/04/04	ME	DS1	13:49	M	6.1	137.2	0.56	20.38	29.67	86.34	6.54	7.61	8.01	9.8
2022/04/04	ME	DS1	13:50	T	1.1	118.9	0.99	21.14	28.99	89.64	6.73	4.22	8.00	5.5
2022/04/04	ME	DS2	13:55	B	7.8	105.1	0.31	20.41	30.20	89.94	6.79	6.51	8.02	11.3
2022/04/04	ME	DS2	13:56	M	5.1	149.6	0.81	20.39	29.79	88.04	6.67	6.01	8.01	12.3
2022/04/04	ME	DS2	13:56	T	1.4	105.4	0.50	21.19	28.95	90.54	6.79	3.92	8.00	5.8
2022/04/04	ME	DS2	13:57	B	7.9	94.6	0.65	20.41	30.20	87.64	6.62	6.41	8.00	11.4
2022/04/04	ME	DS2	13:57	M	4.9	127.0	0.50	20.39	29.76	87.14	6.60	6.31	8.00	12.1
2022/04/04	ME	DS2	13:58	T	1.2	110.2	0.58	21.13	29.00	89.24	6.70	4.22	7.99	5.7
2022/04/04	ME	DS3	14:04	B	13.1	292.8	0.03	20.41	30.34	87.25	6.58	7.41	8.01	11.9
2022/04/04	ME	DS3	14:04	M	7.5	117.6	0.22	20.41	29.94	86.55	6.55	5.51	8.00	13.3
2022/04/04	ME	DS3	14:05	T	1.0	135.8	0.87	21.08	28.95	89.25	6.71	4.22	7.99	6.0
2022/04/04	ME	DS3	14:06	B	12.8	58.4	0.32	20.41	30.37	86.15	6.50	7.21	8.00	11.2
2022/04/04	ME	DS3	14:06	M	7.6	212.2	0.29	20.41	30.01	85.75	6.48	5.61	8.00	13.6
2022/04/04	ME	DS3	14:07	T	1.2	129.9	0.70	21.13	28.96	89.75	6.74	4.02	7.99	5.6
2022/04/04	ME	DS4	14:12	B	8.0	108.4	0.53	20.41	30.06	91.65	6.93	11.01	8.00	14.7
2022/04/04	ME	DS4	14:13	M	5.0	106.2	0.57	20.41	29.74	88.65	6.71	6.11	7.99	8.7
2022/04/04	ME	DS4	14:13	T	1.2	117.0	0.48	21.07	29.08	89.85	6.75	4.42	7.98	7.0
2022/04/04	ME	DS4	14:14	B	8.1	203.8	0.13	20.41	30.05	87.45	6.61	13.61	7.99	14.1
2022/04/04	ME	DS4	14:15	M	4.7	109.5	0.79	20.42	29.77	86.95	6.58	6.21	7.99	8.8
2022/04/04	ME	DS4	14:15	T	1.2	107.0	0.88	21.11	29.05	89.25	6.70	4.12	7.98	6.9
2022/04/04	ME	DS5	14:20	B	7.0	98.2	0.34	20.40	30.19	90.36	6.83	10.51	7.99	15.1
2022/04/04	ME	DS5	14:20	M	4.6	118.1	0.38	20.43	29.88	88.06	6.66	6.31	7.98	12.4
2022/04/04	ME	DS5	14:21	T	1.2	93.4	1.02	20.91	29.25	89.06	6.70	4.62	7.97	7.4
2022/04/04	ME	DS5	14:22	B	7.2	72.5	0.53	20.41	30.15	87.16	6.58	11.01	7.98	14.6
2022/04/04	ME	DS5	14:22	M	4.5	97.4	0.66	20.44	29.81	86.56	6.55	6.41	7.98	12.0
2022/04/04	ME	DS5	14:23	T	1.3	70.7	0.68	21.08	29.13	89.16	6.69	4.22	7.97	7.6
2022/04/04	ME	MW1	15:00	B	19.0	75.8	0.39	20.38	31.04	90.08	6.77	4.82	8.01	8.9
2022/04/04	ME	MW1	15:00	M	10.6	59.0	0.73	20.43	31.01	87.58	6.58	5.71	8.00	9.3
2022/04/04	ME	MW1	15:01	T	0.8	72.8	1.48	21.35	30.12	89.88	6.68	3.22	7.98	6.5
2022/04/04	ME	MW1	15:02	B	18.8	1.1	0.27	20.43	31.01	86.48	6.50	5.51	8.00	8.8
2022/04/04	ME	MW1	15:03	M	10.5	70.6	0.44	20.47	30.98	86.18	6.47	4.72	8.00	9.3
2022/04/04	ME	MW1	15:04	T	1.1	95.7	0.59	21.23	30.33	87.88	6.53	3.32	7.99	6.6

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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)
2022/04/04	MF	MW1	06:59	B	19.7	134.1	0.31	20.31	30.77	88.40	6.67	4.72	8.07	8.6
2022/04/04	MF	MW1	07:00	M	11.3	43.6	0.29	20.28	30.42	86.90	6.57	3.52	8.05	6.5
2022/04/04	MF	MW1	07:01	T	1.0	348.4	0.36	20.28	30.25	87.40	6.61	3.72	8.04	6.8
2022/04/04	MF	MW1	07:02	B	20.0	67.1	0.51	20.32	30.77	85.40	6.44	5.81	8.05	9.0
2022/04/04	MF	MW1	07:04	M	11.2	337.5	0.15	20.30	30.48	85.70	6.47	3.82	8.04	6.4
2022/04/04	MF	MW1	07:04	T	1.1	14.8	0.51	20.28	30.24	86.40	6.54	3.22	8.02	6.6
2022/04/04	MF	DS1	08:09	B	9.5	263.1	0.64	20.25	29.25	91.80	6.99	14.51	8.08	21.5
2022/04/04	MF	DS1	08:10	M	6.2	256.7	0.89	20.24	29.26	90.30	6.88	13.71	8.08	21.1
2022/04/04	MF	DS1	08:10	T	1.4	277.2	1.13	20.26	29.25	89.90	6.85	11.91	8.07	14.4
2022/04/04	MF	DS1	08:11	B	9.7	274.2	0.92	20.25	29.25	89.20	6.79	15.60	8.06	22.5
2022/04/04	MF	DS1	08:12	M	6.2	270.4	0.61	20.24	29.26	89.30	6.80	14.81	8.05	21.1
2022/04/04	MF	DS1	08:12	T	1.2	271.0	1.10	20.24	29.26	89.20	6.79	13.21	8.05	13.9
2022/04/04	MF	DS2	08:19	B	8.2	277.4	0.03	20.26	29.24	96.70	7.36	14.21	8.06	18.1
2022/04/04	MF	DS2	08:20	M	4.8	342.3	0.58	20.27	29.24	92.20	7.02	12.81	8.05	19.5
2022/04/04	MF	DS2	08:21	T	1.1	3.9	0.56	20.27	29.24	90.90	6.92	12.21	8.05	17.6
2022/04/04	MF	DS2	08:22	B	7.8	270.9	0.12	20.25	29.24	89.80	6.84	15.90	8.05	18.5
2022/04/04	MF	DS2	08:22	M	4.7	308.0	0.71	20.25	29.25	89.50	6.82	13.11	8.04	19.2
2022/04/04	MF	DS2	08:23	T	1.0	325.6	1.03	20.26	29.25	88.90	6.77	11.81	8.04	18.1
2022/04/04	MF	DS3	08:30	B	8.1	297.2	0.81	20.19	29.26	93.00	7.09	15.40	8.06	17.8
2022/04/04	MF	DS3	08:31	M	5.2	290.9	0.52	20.20	29.26	90.90	6.93	13.11	8.05	16.0
2022/04/04	MF	DS3	08:31	T	1.0	311.6	0.50	20.21	29.26	90.20	6.87	11.51	8.04	14.9
2022/04/04	MF	DS3	08:32	B	8.1	282.6	0.79	20.20	29.27	89.60	6.83	14.91	8.04	17.6
2022/04/04	MF	DS3	08:33	M	5.1	250.8	0.74	20.20	29.27	89.20	6.80	13.31	8.03	16.4
2022/04/04	MF	DS3	08:33	T	1.0	277.4	0.93	20.22	29.27	89.70	6.84	10.11	8.03	14.5
2022/04/04	MF	DS4	08:39	B	8.0	330.6	0.72	20.25	29.28	92.10	7.01	17.60	8.04	20.8
2022/04/04	MF	DS4	08:40	M	5.1	332.7	0.79	20.25	29.29	90.50	6.89	14.91	8.03	20.3
2022/04/04	MF	DS4	08:41	T	1.2	290.6	0.54	20.26	29.28	89.60	6.82	12.11	8.03	26.5
2022/04/04	MF	DS4	08:41	B	8.2	328.0	0.44	20.25	29.29	89.20	6.79	16.70	8.02	20.1
2022/04/04	MF	DS4	08:42	M	5.2	322.2	0.67	20.25	29.29	88.60	6.75	15.70	8.02	19.9
2022/04/04	MF	DS4	08:42	T	1.2	323.0	0.65	20.26	29.29	88.70	6.75	13.41	8.01	28.0
2022/04/04	MF	DS5	08:49	B	7.6	329.3	0.82	20.30	29.34	95.20	7.24	16.40	8.03	22.5
2022/04/04	MF	DS5	08:49	M	5.2	337.3	0.76	20.30	29.34	91.00	6.92	14.61	8.03	20.1
2022/04/04	MF	DS5	08:50	T	1.2	290.2	1.14	20.32	29.35	90.10	6.85	11.81	8.02	15.7
2022/04/04	MF	DS5	08:51	B	8.0	298.6	0.74	20.30	29.35	89.00	6.77	16.10	8.01	22.8
2022/04/04	MF	DS5	08:51	M	5.0	346.0	0.67	20.30	29.35	88.80	6.75	16.30	8.00	20.6
2022/04/04	MF	DS5	08:52	T	1.1	317.9	0.57	20.30	29.34	88.80	6.75	14.71	8.00	15.6
2022/04/04	MF	US1	09:07	B	10.9	218.9	0.37	20.35	29.68	90.50	6.86	22.80	8.02	16.9
2022/04/04	MF	US1	09:08	M	6.7	54.7	0.19	20.34	29.65	88.40	6.71	19.20	8.01	26.2
2022/04/04	MF	US1	09:09	T	1.2	299.3	0.60	20.33	29.62	87.80	6.66	15.70	8.00	21.6
2022/04/04	MF	US1	09:10	B	11.2	263.5	0.31	20.35	29.68	86.70	6.57	24.40	8.00	17.0
2022/04/04	MF	US1	09:10	M	6.6	317.1	0.19	20.34	29.66	86.50	6.56	19.60	7.99	26.9
2022/04/04	MF	US1	09:11	T	1.0	286.2	0.03	20.34	29.63	87.30	6.62	15.80	7.99	23.2
2022/04/04	MF	US2	09:19	B	8.2	260.7	0.30	20.27	29.70	90.40	6.86	22.50	7.99	54.7
2022/04/04	MF	US2	09:19	M	5.2	335.5	0.57	20.27	29.70	88.80	6.74	18.60	7.98	29.6
2022/04/04	MF	US2	09:20	T	1.3	284.2	0.71	20.30	29.68	88.10	6.69	13.51	7.98	26.3
2022/04/04	MF	US2	09:21	B	8.5	350.8	0.45	20.27	29.71	87.10	6.61	19.60	7.97	54.7
2022/04/04	MF	US2	09:21	M	5.1	256.6	0.77	20.28	29.70	87.00	6.61	15.90	7.97	31.5
2022/04/04	MF	US2	09:22	T	1.2	259.5	0.83	20.30	29.70	88.10	6.69	12.81	7.97	27.5