

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vb

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)
2019/12/06	MF	DS1	13:52	B	9.0	301.8	0.87	20.84	32.99	94.50	6.97	5.95	7.91	7.6
2019/12/06	MF	DS1	13:52	M	5.6	275.8	0.83	21.19	32.99	93.70	6.86	4.55	7.91	4.8
2019/12/06	MF	DS1	13:53	T	1.0	319.7	0.61	21.43	33.26	93.70	6.82	3.95	7.92	5.4
2019/12/06	MF	DS1	13:54	B	8.9	350.9	0.32	20.90	33.01	93.00	6.85	6.35	7.93	8.2
2019/12/06	MF	DS1	13:55	M	5.7	283.9	0.41	21.14	33.09	93.40	6.84	4.85	7.93	4.6
2019/12/06	MF	DS1	13:56	T	1.0	253.8	0.70	21.72	33.27	93.30	6.76	3.65	7.94	5.4
2019/12/06	MF	DS2	14:04	M	4.6	322.2	0.12	20.81	32.98	93.80	6.92	5.25	7.98	6.3
2019/12/06	MF	DS2	14:04	T	1.0	261.5	0.33	20.86	33.00	94.10	6.93	4.75	7.98	7.4
2019/12/06	MF	DS3	14:11	B	7.2	246.5	0.60	20.63	32.91	96.40	7.14	5.75	8.00	6.9
2019/12/06	MF	DS3	14:12	M	4.5	148.0	1.11	20.63	32.92	95.10	7.04	5.85	7.99	6.6
2019/12/06	MF	DS3	14:12	T	1.0	314.4	0.41	20.69	32.94	95.20	7.04	4.85	8.00	8.2
2019/12/06	MF	DS3	14:13	B	7.0	310.9	0.91	20.65	32.92	94.50	6.99	6.05	8.00	6.3
2019/12/06	MF	DS3	14:14	M	4.4	180.9	0.51	20.69	32.94	94.80	7.01	5.55	8.00	6.9
2019/12/06	MF	DS3	14:15	T	0.9	211.3	0.65	20.69	32.95	95.10	7.03	5.25	8.01	7.8
2019/12/06	MF	DS4	14:19	B	7.0	354.5	0.74	20.48	32.87	98.90	7.34	6.05	8.02	8.3
2019/12/06	MF	DS4	14:20	M	4.6	47.9	0.07	20.49	32.88	96.20	7.14	5.55	8.02	6.0
2019/12/06	MF	DS4	14:21	T	1.0	271.8	0.73	20.53	32.89	96.10	7.13	5.15	8.02	5.3
2019/12/06	MF	DS4	14:21	B	7.0	309.5	0.66	20.50	32.88	95.40	7.08	5.95	8.03	8.8
2019/12/06	MF	DS4	14:22	M	4.5	285.1	0.40	20.52	32.89	95.50	7.08	5.65	8.03	6.4
2019/12/06	MF	DS4	14:23	T	1.0	232.7	0.08	20.54	32.90	95.70	7.10	5.15	8.03	5.3
2019/12/06	MF	DS5	14:27	B	7.3	289.7	0.41	20.58	32.92	98.70	7.31	4.55	8.03	5.1
2019/12/06	MF	DS5	14:28	M	4.6	298.6	0.98	20.53	32.90	97.10	7.20	4.35	8.03	5.9
2019/12/06	MF	DS5	14:29	T	1.2	116.2	0.16	20.51	32.89	97.00	7.20	4.25	8.04	5.4
2019/12/06	MF	DS5	14:29	B	7.0	339.6	0.28	20.52	32.90	96.40	7.15	4.45	8.04	4.9
2019/12/06	MF	DS5	14:30	M	4.4	286.9	0.32	20.48	32.89	96.40	7.16	4.55	8.05	6.1
2019/12/06	MF	DS5	14:31	T	1.1	14.1	0.14	20.48	32.88	96.80	7.19	4.25	8.05	5.1
2019/12/06	MF	US1	14:45	B	7.6	343.8	0.68	21.46	33.24	95.40	6.94	7.25	8.02	6.9
2019/12/06	MF	US1	14:46	M	5.2	343.6	0.44	21.47	33.24	93.50	6.80	6.95	8.01	8.2
2019/12/06	MF	US1	14:47	T	1.1	343.7	0.64	21.48	33.24	93.70	6.82	5.85	8.01	8.5
2019/12/06	MF	US1	14:47	B	8.2	73.6	0.16	21.47	33.24	92.70	6.75	6.85	8.02	6.5
2019/12/06	MF	US1	14:48	M	5.0	330.3	1.08	21.47	33.24	92.80	6.75	6.05	8.02	8.5
2019/12/06	MF	US1	14:49	T	0.9	358.4	0.68	21.48	33.25	93.20	6.78	5.45	8.03	8.0
2019/12/06	MF	US2	14:55	B	9.3	311.7	0.15	21.72	33.33	96.10	6.96	6.65	8.01	7.6
2019/12/06	MF	US2	14:56	M	5.4	329.1	0.62	21.74	33.33	93.40	6.76	6.25	8.01	7.1
2019/12/06	MF	US2	14:57	T	1.0	96.7	0.60	21.74	33.34	93.60	6.77	6.15	8.02	7.6
2019/12/06	MF	US2	14:57	B	9.1	346.3	0.57	21.72	33.32	92.60	6.70	6.35	8.03	8.0
2019/12/06	MF	US2	14:58	M	5.5	262.5	0.47	21.74	33.33	92.80	6.72	6.05	8.03	7.2
2019/12/06	MF	US2	14:59	T	1.2	200.7	0.39	21.74	33.33	93.20	6.75	5.95	8.04	7.5
2019/12/06	MF	MW1	16:06	B	19.1	289.5	0.21	21.98	33.32	90.60	6.53	4.85	8.01	7.8
2019/12/06	MF	MW1	16:07	M	10.7	107.6	0.66	21.98	33.44	89.80	6.47	5.25	8.01	5.9
2019/12/06	MF	MW1	16:08	T	1.2	300.5	1.04	22.02	33.44	90.10	6.48	4.05	8.00	5.7
2019/12/06	MF	MW1	16:09	B	18.8	306.4	0.10	21.97	33.44	88.70	6.39	5.85	8.00	7.6
2019/12/06	MF	MW1	16:10	M	10.5	115.5	0.32	21.99	33.44	89.10	6.42	5.45	7.99	6.4
2019/12/06	MF	MW1	16:11	T	1.0	125.5	0.50	22.02	33.44	89.60	6.45	3.15	7.99	6.1

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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)
2019/12/06	ME	MW1	07:02	B	18.8	280.5	0.48	22.04	33.23	89.13	6.42	3.35	7.86	4.6
2019/12/06	ME	MW1	07:03	M	10.6	119.2	0.47	22.07	33.23	88.43	6.37	3.35	7.88	5.3
2019/12/06	ME	MW1	07:04	T	1.1	36.7	0.50	22.05	33.23	88.83	6.40	3.05	7.90	3.9
2019/12/06	ME	MW1	07:06	B	19.0	345.1	0.17	22.05	33.25	87.53	6.30	3.45	7.92	4.5
2019/12/06	ME	MW1	07:07	M	10.5	300.1	0.38	22.06	33.25	87.83	6.32	3.15	7.93	5.5
2019/12/06	ME	MW1	07:08	T	1.3	184.1	0.42	22.04	33.25	88.43	6.37	2.95	7.94	4.0
2019/12/06	ME	US2	08:18	B	7.0	138.6	0.33	21.37	33.17	94.31	6.88	4.25	8.08	4.5
2019/12/06	ME	US2	08:19	M	4.4	65.5	0.77	21.37	33.18	91.20	6.65	4.35	8.09	4.5
2019/12/06	ME	US2	08:20	T	1.1	220.2	0.76	21.34	33.18	90.80	6.62	4.15	8.11	5.0
2019/12/06	ME	US2	08:21	B	7.0	288.9	0.21	21.33	33.17	90.30	6.59	4.15	8.12	4.6
2019/12/06	ME	US2	08:22	M	4.6	101.3	0.41	21.33	33.17	90.10	6.58	3.95	8.13	4.3
2019/12/06	ME	US2	08:22	T	0.9	174.3	0.43	21.31	33.16	90.41	6.60	4.05	8.14	5.3
2019/12/06	ME	US1	08:29	B	8.2	51.0	0.30	21.58	33.29	89.51	6.50	5.05	8.13	5.5
2019/12/06	ME	US1	08:30	M	4.7	165.3	0.39	21.59	33.28	89.41	6.49	5.35	8.15	6.3
2019/12/06	ME	US1	08:31	T	0.9	331.9	0.34	21.57	33.27	89.81	6.52	5.25	8.15	5.7
2019/12/06	ME	US1	08:32	B	7.9	212.0	0.86	21.57	33.26	89.21	6.48	4.75	8.16	5.4
2019/12/06	ME	US1	08:33	M	5.0	183.3	0.58	21.50	33.23	89.31	6.50	4.75	8.17	6.0
2019/12/06	ME	US1	08:33	T	1.2	280.6	1.21	21.43	33.20	89.72	6.53	4.15	8.17	5.4
2019/12/06	ME	DS1	08:43	B	8.1	64.2	0.53	21.92	33.31	92.63	6.68	3.85	8.15	4.2
2019/12/06	ME	DS1	08:44	M	4.8	160.4	0.71	21.98	33.32	90.33	6.51	3.45	8.16	5.1
2019/12/06	ME	DS1	08:45	T	1.2	119.6	1.06	22.00	33.32	90.13	6.49	3.35	8.17	3.1
2019/12/06	ME	DS1	08:46	B	7.8	358.0	0.26	21.76	33.29	88.73	6.42	3.65	8.17	4.2
2019/12/06	ME	DS1	08:47	M	5.0	18.0	0.53	21.96	33.33	89.23	6.43	3.05	8.18	5.5
2019/12/06	ME	DS1	08:48	T	0.9	124.5	0.80	21.98	33.33	89.63	6.46	2.75	8.18	2.9
2019/12/06	ME	DS2	09:00	B	8.0	328.6	0.08	21.89	33.32	91.44	6.60	3.55	8.13	5.0
2019/12/06	ME	DS2	09:00	M	5.2	62.8	0.20	22.00	33.32	90.14	6.49	3.15	8.14	4.0
2019/12/06	ME	DS2	09:01	T	1.1	118.1	0.31	22.06	33.33	90.04	6.48	2.95	8.15	3.8
2019/12/06	ME	DS2	09:04	B	8.0	97.3	0.79	21.84	33.31	91.05	6.58	4.35	8.15	5.2
2019/12/06	ME	DS2	09:05	M	5.0	316.8	0.79	22.05	33.34	89.84	6.47	2.95	8.16	4.3
2019/12/06	ME	DS2	09:05	T	1.0	261.3	0.56	22.07	33.37	89.85	6.46	2.75	8.16	3.7
2019/12/06	ME	DS3	09:11	B	7.6	128.8	0.53	21.96	33.32	91.65	6.61	3.55	8.13	3.9
2019/12/06	ME	DS3	09:11	M	4.9	100.5	1.14	22.01	33.33	89.95	6.48	3.55	8.14	3.3
2019/12/06	ME	DS3	09:12	T	1.0	211.6	0.27	22.01	33.35	89.95	6.48	3.05	8.14	5.8
2019/12/06	ME	DS3	09:13	B	8.1	142.7	0.92	21.99	33.37	88.95	6.41	3.25	8.15	4.1
2019/12/06	ME	DS3	09:14	M	5.0	310.2	0.30	22.00	33.36	89.15	6.42	3.25	8.16	3.3
2019/12/06	ME	DS3	09:15	T	1.1	297.0	0.81	22.02	33.36	89.65	6.46	3.15	8.16	5.6
2019/12/06	ME	DS4	09:20	B	13.9	31.1	0.37	18.00	33.36	89.96	6.51	3.75	8.14	4.9
2019/12/06	ME	DS4	09:21	M	8.2	146.2	0.24	21.90	33.37	90.06	6.50	2.75	8.15	6.1
2019/12/06	ME	DS4	09:22	T	1.1	209.7	0.47	21.98	33.37	90.46	6.52	2.45	8.15	4.0
2019/12/06	ME	DS4	09:23	B	14.0	45.7	0.55	21.79	33.36	89.06	6.44	3.15	8.15	4.9
2019/12/06	ME	DS4	09:24	M	8.1	79.4	0.32	21.89	33.36	89.66	6.47	2.55	8.15	6.0
2019/12/06	ME	DS4	09:25	T	1.0	135.0	0.15	21.98	33.36	90.36	6.51	2.45	8.15	4.0
2019/12/06	ME	DS5	09:30	B	7.8	132.7	0.90	21.72	33.30	91.97	6.66	3.15	8.13	3.8
2019/12/06	ME	DS5	09:31	M	4.9	332.5	0.56	21.87	33.37	90.67	6.55	2.75	8.13	3.1
2019/12/06	ME	DS5	09:32	T	1.0	264.2	0.58	21.91	33.37	90.77	6.55	2.55	8.14	3.9
2019/12/06	ME	DS5	09:33	B	8.2	27.2	0.35	21.73	33.35	89.77	6.50	2.95	8.14	3.6
2019/12/06	ME	DS5	09:33	M	5.2	206.7	0.42	21.91	33.35	90.07	6.50	2.55	8.15	3.0
2019/12/06	ME	DS5	09:34	T	1.1	163.7	0.26	21.93	33.36	90.4	6.52	2.5	8.15	3.9