

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)
2019/12/02	MF	DS1	14:56	B	8.8	285.0	0.29	23.32	31.70	93.48	6.64	12.05	7.96	11.0
2019/12/02	MF	DS1	14:57	M	4.3	355.9	0.54	23.29	31.66	92.38	6.57	10.35	7.97	9.6
2019/12/02	MF	DS1	14:57	T	1.2	11.0	0.82	23.24	31.60	92.38	6.58	10.05	7.98	9.1
2019/12/02	MF	DS1	15:05	B	9.0	313.8	0.69	23.36	31.77	92.45	6.56	13.85	8.00	11.3
2019/12/02	MF	DS1	15:05	M	4.3	329.6	0.41	23.26	31.66	91.75	6.53	10.95	8.00	8.8
2019/12/02	MF	DS1	15:06	T	1.0	323.8	0.63	23.18	31.57	92.35	6.58	8.65	8.01	8.7
2019/12/02	MF	DS2	15:15	M	4.4	230.7	0.46	23.14	31.54	92.71	6.61	9.85	8.03	8.7
2019/12/02	MF	DS2	15:15	T	1.2	47.3	0.28	23.14	31.54	93.11	6.64	8.25	8.03	8.5
2019/12/02	MF	DS3	15:22	B	7.0	226.8	0.13	23.12	31.51	97.18	6.94	7.15	8.03	8.2
2019/12/02	MF	DS3	15:23	M	4.6	298.2	0.56	23.13	31.51	93.98	6.71	7.95	8.02	9.1
2019/12/02	MF	DS3	15:23	T	1.4	330.2	0.27	23.12	31.51	93.98	6.71	7.85	8.03	9.4
2019/12/02	MF	DS3	15:24	B	6.9	294.2	0.73	23.14	31.53	93.28	6.65	8.15	8.03	8.2
2019/12/02	MF	DS3	15:25	M	4.5	43.6	0.54	23.12	31.54	93.48	6.67	7.65	8.04	9.2
2019/12/02	MF	DS3	15:25	T	1.3	356.0	0.68	23.12	31.54	93.87	6.70	6.65	8.03	9.5
2019/12/02	MF	DS4	15:33	B	6.9	68.2	0.39	23.12	31.51	96.73	6.90	7.05	8.03	8.3
2019/12/02	MF	DS4	15:34	M	4.5	271.9	0.53	23.06	31.47	94.94	6.78	7.05	8.03	9.5
2019/12/02	MF	DS4	15:34	T	1.1	299.6	0.28	23.03	31.45	95.03	6.80	7.05	8.04	7.7
2019/12/02	MF	DS4	15:35	B	6.9	355.0	0.51	23.12	31.52	94.33	6.73	7.35	8.04	8.1
2019/12/02	MF	DS4	15:36	M	4.5	291.3	0.45	23.08	31.49	94.33	6.74	7.05	8.05	10.0
2019/12/02	MF	DS4	15:36	T	1.3	318.0	0.27	23.06	31.47	94.63	6.76	6.65	8.05	7.6
2019/12/02	MF	DS5	15:43	B	8.1	45.0	0.02	22.94	31.48	95.30	6.82	16.55	8.02	18.4
2019/12/02	MF	DS5	15:44	M	4.9	246.4	1.63	23.09	31.29	95.40	6.82	7.25	8.02	7.9
2019/12/02	MF	DS5	15:45	T	1.3	223.0	0.76	23.03	31.24	96.29	6.89	5.95	8.04	6.7
2019/12/02	MF	DS5	15:45	B	8.1	331.6	0.57	22.94	31.48	94.00	6.73	14.15	8.04	19.0
2019/12/02	MF	DS5	15:46	M	5.1	340.5	0.80	23.10	31.28	94.99	6.79	6.85	8.04	7.9
2019/12/02	MF	DS5	15:47	T	1.2	28.2	0.22	23.05	31.26	96.08	6.88	5.65	8.05	7.2
2019/12/02	MF	US1	16:00	B	8.1	11.7	0.92	23.25	31.74	94.14	6.69	8.85	8.02	10.2
2019/12/02	MF	US1	16:01	M	5.0	343.3	0.41	23.26	31.74	92.64	6.59	10.35	8.02	10.8
2019/12/02	MF	US1	16:02	T	1.1	124.6	0.24	23.25	31.74	92.74	6.59	9.25	8.03	10.6
2019/12/02	MF	US1	16:03	B	8.1	303.3	0.22	23.26	31.73	92.14	6.55	9.35	8.04	10.2
2019/12/02	MF	US1	16:03	M	5.0	356.0	0.74	23.26	31.75	92.24	6.56	8.85	8.03	11.2
2019/12/02	MF	US1	16:04	T	1.1	63.8	0.70	23.25	31.75	92.43	6.57	7.85	8.04	11.4
2019/12/02	MF	US2	16:12	B	7.9	309.1	0.26	23.28	31.74	93.60	6.65	11.55	8.03	16.1
2019/12/02	MF	US2	16:13	M	5.0	43.5	0.47	23.27	31.72	92.10	6.55	11.45	8.03	12.7
2019/12/02	MF	US2	16:14	T	1.2	75.2	0.54	23.26	31.72	92.20	6.56	10.35	8.04	11.0
2019/12/02	MF	US2	16:14	B	8.1	300.9	0.41	23.28	31.74	91.60	6.51	10.75	8.04	16.1
2019/12/02	MF	US2	16:15	M	5.3	12.2	0.54	23.27	31.75	91.59	6.51	9.25	8.05	12.9
2019/12/02	MF	US2	16:16	T	1.3	334.5	0.40	23.24	31.73	92.39	6.57	6.75	8.05	11.2
2019/12/02	MF	MW1	17:20	B	19.0	77.5	0.58	23.67	33.13	88.18	6.18	5.05	7.96	6.6
2019/12/02	MF	MW1	17:21	M	10.5	254.9	0.15	23.68	33.09	87.38	6.12	4.75	7.98	6.4
2019/12/02	MF	MW1	17:22	T	1.1	102.4	0.26	23.67	33.07	87.68	6.14	4.25	7.99	5.5
2019/12/02	MF	MW1	17:23	B	19.1	138.8	0.43	23.67	33.15	86.38	6.05	5.45	8.01	6.5
2019/12/02	MF	MW1	17:24	M	10.3	67.7	0.35	23.67	33.10	86.68	6.07	4.85	8.01	6.4
2019/12/02	MF	MW1	17:25	T	1.1	267.6	0.17	23.64	33.08	87.37	6.12	3.95	8.02	5.5

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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)
2019/12/02	ME	MW1	03:36	B	17.7	176.5	0.24	23.52	32.80	85.67	6.03	5.85	7.96	4.9
2019/12/02	ME	MW1	03:37	M	11.0	57.0	0.44	23.51	32.80	86.06	6.06	6.45	7.96	4.7
2019/12/02	ME	MW1	03:38	T	1.2	42.9	0.95	23.49	32.80	86.16	6.06	5.65	7.95	3.6
2019/12/02	ME	MW1	03:42	B	17.8	282.5	0.25	23.52	32.79	84.95	5.98	6.95	7.96	4.7
2019/12/02	ME	MW1	03:42	M	10.4	54.2	0.51	23.51	32.81	86.15	6.06	6.25	7.96	4.6
2019/12/02	ME	MW1	03:43	T	1.1	296.1	0.38	23.50	32.80	86.54	6.09	5.75	7.96	3.5
2019/12/02	ME	US2	05:17	B	7.0	94.5	0.60	22.95	30.83	96.00	6.90	9.65	8.21	9.8
2019/12/02	ME	US2	05:18	M	4.5	79.7	0.18	22.95	30.81	94.11	6.76	8.25	8.21	10.4
2019/12/02	ME	US2	05:18	T	1.1	233.4	0.57	22.94	30.81	94.00	6.76	7.45	8.21	7.7
2019/12/02	ME	US2	05:19	B	7.2	49.3	0.28	22.96	30.82	93.21	6.70	9.45	8.21	9.5
2019/12/02	ME	US2	05:20	M	4.7	122.8	1.19	22.95	30.84	93.40	6.71	8.15	8.21	10.4
2019/12/02	ME	US2	05:20	T	1.2	151.6	1.15	22.94	30.85	93.60	6.73	7.85	8.21	7.1
2019/12/02	ME	US1	05:27	B	7.1	53.9	0.84	22.96	30.78	94.47	6.79	10.05	8.21	9.8
2019/12/02	ME	US1	05:27	M	4.4	113.7	0.47	22.95	30.80	93.68	6.73	8.95	8.21	10.4
2019/12/02	ME	US1	05:28	T	1.1	165.1	0.56	22.95	30.79	93.77	6.74	8.25	8.21	7.7
2019/12/02	ME	US1	05:29	B	6.8	111.6	0.68	22.96	30.83	93.37	6.71	8.95	8.22	9.5
2019/12/02	ME	US1	05:29	M	4.5	100.8	0.51	22.96	30.82	93.27	6.70	9.35	8.21	10.4
2019/12/02	ME	US1	05:30	T	0.9	92.9	1.30	22.95	30.83	93.57	6.72	8.65	8.22	7.1
2019/12/02	ME	DS1	05:40	B	10.2	112.5	0.89	23.30	31.48	94.33	6.71	10.05	8.21	9.6
2019/12/02	ME	DS1	05:40	M	5.9	151.5	0.43	23.04	30.88	93.43	6.70	9.65	8.21	9.7
2019/12/02	ME	DS1	05:41	T	1.0	94.3	0.69	23.03	30.87	93.73	6.72	9.65	8.21	10.5
2019/12/02	ME	DS1	05:42	B	10.0	248.2	0.87	23.26	31.37	92.33	6.58	9.45	8.21	9.6
2019/12/02	ME	DS1	05:43	M	6.1	156.5	1.21	23.13	31.07	92.43	6.61	9.75	8.22	10.1
2019/12/02	ME	DS1	05:43	T	0.9	145.8	1.16	23.03	30.90	93.42	6.70	9.35	8.22	10.8
2019/12/02	ME	DS2	05:52	B	9.0	226.1	0.50	23.22	31.27	94.98	6.78	7.55	8.20	8.8
2019/12/02	ME	DS2	05:52	M	5.3	71.3	0.75	23.18	31.16	93.19	6.66	7.65	8.20	8.1
2019/12/02	ME	DS2	05:53	T	1.1	89.0	1.40	23.07	30.99	93.59	6.71	7.55	8.20	8.3
2019/12/02	ME	DS2	05:54	B	8.9	127.8	0.52	23.25	31.34	92.10	6.56	7.45	8.20	8.8
2019/12/02	ME	DS2	05:55	M	5.6	216.9	0.27	23.21	31.23	92.29	6.59	7.35	8.20	7.9
2019/12/02	ME	DS2	05:55	T	1.2	152.8	0.64	23.08	31.03	92.99	6.66	7.25	8.20	8.3
2019/12/02	ME	DS3	06:02	B	6.8	86.4	0.40	23.16	31.12	95.15	6.80	7.75	8.20	8.0
2019/12/02	ME	DS3	06:03	M	4.3	154.4	0.30	23.15	31.11	93.26	6.67	7.45	8.20	7.3
2019/12/02	ME	DS3	06:04	T	1.2	119.7	0.70	23.09	31.05	93.26	6.68	6.65	8.20	6.5
2019/12/02	ME	DS3	06:04	B	7.1	32.0	0.87	23.18	31.18	92.56	6.61	7.25	8.20	8.4
2019/12/02	ME	DS3	06:05	M	4.6	105.5	0.25	23.18	31.18	92.65	6.62	6.85	8.20	7.3
2019/12/02	ME	DS3	06:06	T	1.1	143.9	0.82	23.07	31.06	92.95	6.66	6.45	8.21	6.9
2019/12/02	ME	DS4	06:13	B	12.0	154.2	0.53	3.50	31.14	93.42	6.68	7.65	8.20	8.7
2019/12/02	ME	DS4	06:14	M	7.0	106.0	0.62	23.15	31.10	92.72	6.63	7.35	8.20	9.7
2019/12/02	ME	DS4	06:14	T	1.3	131.2	0.21	23.13	31.14	93.02	6.65	6.75	8.20	6.7
2019/12/02	ME	DS4	06:15	B	12.1	191.3	0.37	23.17	31.20	92.82	6.63	7.35	8.20	8.5
2019/12/02	ME	DS4	06:16	M	7.1	68.3	0.21	23.14	31.16	92.42	6.61	6.95	8.20	9.4
2019/12/02	ME	DS4	06:17	T	1.2	157.0	0.63	23.13	31.16	92.91	6.64	6.05	8.20	6.7
2019/12/02	ME	DS5	06:23	B	7.1	91.8	0.32	23.10	31.04	95.87	6.86	7.05	8.19	8.0
2019/12/02	ME	DS5	06:23	M	4.4	101.4	0.70	23.10	31.05	93.59	6.70	6.25	8.19	7.1
2019/12/02	ME	DS5	06:24	T	1.3	133.8	0.55	23.10	31.05	93.48	6.69	6.95	8.19	7.0
2019/12/02	ME	DS5	06:25	B	7.2	81.4	0.71	23.11	31.11	92.89	6.65	8.15	8.19	8.2
2019/12/02	ME	DS5	06:25	M	4.3	112.5	1.14	23.11	31.12	92.98	6.65	7.05	8.20	7.2
2019/12/02	ME	DS5	06:26	T	1.3	69.1	0.35	23.11	31.12	93.1	6.66	6.5	8.20	7.4