

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)
2019/11/15	MF	MW1	07:45	B	19.1	334.2	0.71	25.18	32.49	110.11	7.54	6.80	8.02	4.7
2019/11/15	MF	MW1	07:46	M	10.3	64.0	0.30	25.17	32.47	111.70	7.65	6.00	8.05	7.5
2019/11/15	MF	MW1	07:48	T	1.2	36.5	0.52	25.16	32.46	111.97	7.67	5.20	8.06	6.5
2019/11/15	MF	MW1	07:49	B	19.1	33.4	0.11	25.19	32.50	109.56	7.50	7.20	8.05	4.7
2019/11/15	MF	MW1	07:50	M	10.3	8.5	0.24	25.18	32.48	110.65	7.58	5.70	8.06	7.2
2019/11/15	MF	MW1	07:51	T	1.2	69.5	0.31	25.17	32.46	111.83	7.66	5.80	8.06	6.7
2019/11/15	MF	DS1	09:21	B	7.7	334.4	1.13	24.75	31.91	114.74	7.94	6.90	8.12	9.8
2019/11/15	MF	DS1	09:22	M	5.1	358.4	1.02	24.74	31.88	115.91	8.03	6.10	8.11	7.2
2019/11/15	MF	DS1	09:23	T	1.1	6.3	0.38	24.75	31.80	116.40	8.06	5.10	8.11	6.0
2019/11/15	MF	DS1	09:23	B	8.0	219.8	0.43	24.75	31.92	114.91	7.95	9.60	8.11	9.1
2019/11/15	MF	DS1	09:24	M	5.7	331.5	0.73	24.74	31.85	115.79	8.02	6.50	8.11	7.0
2019/11/15	MF	DS1	09:25	T	1.1	339.2	0.74	24.78	31.78	116.57	8.07	5.01	8.11	5.9
2019/11/15	MF	DS2	09:31	B	7.9	271.6	0.46	24.73	31.82	115.31	7.99	7.50	8.12	7.5
2019/11/15	MF	DS2	09:31	M	4.9	309.1	1.19	24.73	31.82	115.89	8.03	6.70	8.11	11.1
2019/11/15	MF	DS2	09:32	T	1.2	295.6	0.98	24.75	31.83	116.86	8.09	5.01	8.11	6.9
2019/11/15	MF	DS2	09:33	B	8.0	324.9	0.31	24.74	31.83	115.27	7.98	5.50	8.11	7.4
2019/11/15	MF	DS2	09:34	M	5.2	313.2	0.29	24.74	31.83	115.17	7.98	7.20	8.11	11.0
2019/11/15	MF	DS2	09:34	T	0.9	291.0	0.91	24.76	31.81	116.74	8.08	4.41	8.11	6.5
2019/11/15	MF	DS3	09:40	B	8.2	303.2	0.77	24.72	31.82	114.88	7.96	10.80	8.10	8.8
2019/11/15	MF	DS3	09:41	M	5.2	275.2	0.52	24.73	31.82	115.76	8.02	6.20	8.10	6.4
2019/11/15	MF	DS3	09:42	T	1.2	351.0	0.50	24.75	31.82	116.24	8.05	6.90	8.10	6.3
2019/11/15	MF	DS3	09:43	B	8.0	339.8	0.60	24.72	31.83	115.64	8.01	8.70	8.09	8.8
2019/11/15	MF	DS3	09:43	M	5.2	37.6	0.41	24.74	31.85	116.02	8.03	6.10	8.10	6.7
2019/11/15	MF	DS3	09:44	T	1.1	314.3	0.99	24.75	31.85	116.80	8.09	5.40	8.10	6.1
2019/11/15	MF	DS4	09:49	B	7.9	279.3	0.62	24.73	31.77	114.96	7.97	13.50	8.10	12.4
2019/11/15	MF	DS4	09:50	M	5.1	342.6	0.39	24.73	31.78	116.13	8.05	7.60	8.10	6.8
2019/11/15	MF	DS4	09:51	T	1.1	15.7	0.70	24.76	31.79	117.50	8.14	4.71	8.10	6.4
2019/11/15	MF	DS4	09:52	B	8.3	299.5	0.76	24.73	31.78	115.62	8.01	11.90	8.10	12.5
2019/11/15	MF	DS4	09:52	M	5.1	227.9	0.32	24.73	31.78	116.40	8.07	7.20	8.10	6.3
2019/11/15	MF	DS4	09:53	T	1.1	306.5	0.28	24.78	31.79	117.47	8.13	4.31	8.10	6.5
2019/11/15	MF	DS5	09:59	B	7.9	6.3	0.34	24.74	31.73	115.82	8.03	9.70	8.10	11.6
2019/11/15	MF	DS5	09:59	M	5.2	338.8	0.73	24.74	31.72	115.91	8.03	10.80	8.10	10.0
2019/11/15	MF	DS5	10:00	T	1.1	84.3	0.17	24.77	31.74	117.97	8.17	4.71	8.10	5.0
2019/11/15	MF	DS5	10:04	B	7.8	330.9	0.35	24.74	31.73	115.85	8.03	11.90	8.09	11.0
2019/11/15	MF	DS5	10:05	M	5.2	105.0	0.17	24.73	31.74	115.64	8.01	10.20	8.09	9.8
2019/11/15	MF	DS5	10:06	T	1.1	15.1	0.77	24.80	31.74	119.36	8.26	4.31	8.10	4.8
2019/11/15	MF	US1	10:23	B	8.1	269.3	0.68	24.84	31.88	116.49	8.05	6.40	8.09	5.8
2019/11/15	MF	US1	10:24	M	5.1	221.2	0.31	24.85	31.85	117.46	8.12	5.30	8.09	7.1
2019/11/15	MF	US1	10:24	T	1.1	297.9	0.55	24.89	31.81	119.21	8.24	5.60	8.09	5.6
2019/11/15	MF	US1	10:25	B	8.1	270.9	0.32	24.84	31.87	117.14	8.10	6.60	8.08	5.8
2019/11/15	MF	US1	10:26	M	5.3	269.6	0.73	24.85	31.84	117.63	8.13	5.40	8.08	6.7
2019/11/15	MF	US1	10:26	T	1.2	238.5	0.79	24.88	31.81	119.19	8.24	5.10	8.08	5.5
2019/11/15	MF	US2	10:31	B	9.1	357.0	0.51	24.83	31.79	115.69	8.00	9.30	8.09	10.0
2019/11/15	MF	US2	10:32	M	5.5	231.9	0.27	24.84	31.78	116.56	8.06	7.30	8.09	6.7
2019/11/15	MF	US2	10:33	T	1.1	286.8	1.36	24.90	31.78	118.12	8.16	5.90	8.09	7.8
2019/11/15	MF	US2	10:34	B	8.9	312.9	0.59	24.84	31.79	116.25	8.04	8.70	8.08	10.2
2019/11/15	MF	US2	10:34	M	5.8	223.7	0.79	24.87	31.80	117.12	8.10	7.80	8.08	6.4
2019/11/15	MF	US2	10:35	T	1.1	344.8	0.91	24.94	31.82	119.66	8.26	5.10	8.09	7.5

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2019/11/15	ME	US2	13:23	B	8.3	78.4	0.43	24.88	31.83	119.93	8.29	4.01	8.18	6.0
2019/11/15	ME	US2	13:23	M	5.1	7.4	0.89	25.04	31.57	127.34	8.79	3.21	8.20	5.6
2019/11/15	ME	US2	13:24	T	1.2	115.5	0.41	25.13	31.47	131.45	9.06	2.91	8.21	3.2
2019/11/15	ME	US2	13:25	B	8.0	152.5	0.59	24.89	31.83	123.24	8.51	3.71	8.18	5.7
2019/11/15	ME	US2	13:26	M	5.1	114.9	0.45	24.98	31.63	126.85	8.76	3.31	8.19	5.2
2019/11/15	ME	US2	13:26	T	1.1	160.8	0.54	25.21	31.39	130.35	8.98	2.71	8.20	3.0
2019/11/15	ME	US1	13:32	B	9.2	85.4	0.53	24.91	31.79	118.76	8.20	3.91	8.17	6.9
2019/11/15	ME	US1	13:33	M	5.6	99.3	1.03	25.05	31.59	125.17	8.63	3.51	8.20	4.7
2019/11/15	ME	US1	13:33	T	1.0	135.2	0.81	25.16	31.40	131.98	9.10	3.41	8.21	3.5
2019/11/15	ME	US1	13:34	B	9.2	119.3	0.59	24.90	31.79	120.47	8.32	4.11	8.17	7.1
2019/11/15	ME	US1	13:35	M	5.4	176.8	0.45	24.99	31.58	124.87	8.62	3.81	8.19	4.7
2019/11/15	ME	US1	13:35	T	1.1	117.1	0.98	25.19	31.41	130.99	9.02	2.81	8.21	3.4
2019/11/15	ME	DS1	13:43	B	7.9	114.0	0.59	24.94	31.79	117.59	8.12	4.41	8.16	3.9
2019/11/15	ME	DS1	13:43	M	5.2	118.1	0.94	24.96	31.78	118.99	8.21	3.41	8.16	3.8
2019/11/15	ME	DS1	13:44	T	1.2	82.3	0.37	25.17	31.34	130.01	8.96	3.11	8.20	3.9
2019/11/15	ME	DS1	13:45	B	7.9	149.1	0.60	24.94	31.79	119.50	8.25	4.41	8.16	3.8
2019/11/15	ME	DS1	13:45	M	5.2	152.5	0.43	24.96	31.77	120.00	8.28	3.71	8.16	3.6
2019/11/15	ME	DS1	13:46	T	0.9	66.9	1.03	25.15	31.34	131.42	9.06	4.01	8.21	4.0
2019/11/15	ME	DS2	13:53	B	9.2	91.1	0.90	24.97	31.91	117.32	8.09	3.81	8.15	5.5
2019/11/15	ME	DS2	13:54	M	5.6	93.4	0.62	24.94	31.77	118.72	8.20	3.61	8.16	4.7
2019/11/15	ME	DS2	13:55	T	1.3	88.1	0.51	25.11	31.52	130.65	9.01	3.11	8.20	8.1
2019/11/15	ME	DS2	13:55	B	8.8	105.1	0.45	24.98	31.92	117.23	8.08	3.91	8.15	5.5
2019/11/15	ME	DS2	13:56	M	5.6	128.8	1.02	24.94	31.78	118.53	8.18	3.81	8.16	4.7
2019/11/15	ME	DS2	13:57	T	1.0	110.6	1.17	25.14	31.49	129.66	8.94	3.11	8.20	8.1
2019/11/15	ME	DS3	14:01	B	9.4	133.2	0.56	24.99	31.94	115.74	7.98	8.40	8.15	9.3
2019/11/15	ME	DS3	14:02	M	5.5	162.7	1.78	24.95	31.84	117.45	8.10	4.21	8.15	5.9
2019/11/15	ME	DS3	14:03	T	1.2	84.3	1.05	25.08	31.64	126.17	8.70	3.31	8.19	4.4
2019/11/15	ME	DS3	14:04	B	9.1	111.0	0.90	24.99	31.93	116.85	8.05	9.40	8.15	9.4
2019/11/15	ME	DS3	14:05	M	5.7	129.8	0.80	24.94	31.82	117.86	8.14	3.91	8.16	5.7
2019/11/15	ME	DS3	14:06	T	1.2	88.9	0.59	25.16	31.57	130.89	9.01	3.21	8.21	4.3
2019/11/15	ME	DS4	14:10	B	15.1	352.8	0.08	25.19	32.34	112.36	7.70	3.81	8.12	4.9
2019/11/15	ME	DS4	14:11	M	8.6	44.8	0.69	25.09	32.10	114.57	7.88	3.81	8.14	4.4
2019/11/15	ME	DS4	14:12	T	1.0	120.4	0.98	25.20	31.68	127.80	8.79	2.91	8.20	2.9
2019/11/15	ME	DS4	14:13	B	15.0	351.2	0.63	25.19	32.33	114.17	7.82	4.51	8.10	5.1
2019/11/15	ME	DS4	14:14	M	8.5	33.0	0.18	25.09	32.10	116.48	8.01	3.51	8.12	4.5
2019/11/15	ME	DS4	14:14	T	1.3	89.0	0.59	25.10	31.67	129.61	8.93	3.21	8.18	2.8
2019/11/15	ME	DS5	14:19	B	8.9	145.1	0.68	25.19	32.34	113.39	7.77	8.30	8.10	9.1
2019/11/15	ME	DS5	14:20	M	5.6	64.8	0.93	25.12	32.13	119.51	8.21	3.51	8.13	3.5
2019/11/15	ME	DS5	14:20	T	1.3	60.8	0.43	25.07	31.75	130.04	8.96	3.31	8.19	4.4
2019/11/15	ME	DS5	14:21	B	9.0	90.2	0.29	25.18	32.32	114.90	7.88	9.60	8.10	8.4
2019/11/15	ME	DS5	14:22	M	5.5	144.5	0.55	25.06	32.00	120.32	8.28	4.11	8.14	3.5
2019/11/15	ME	DS5	14:23	T	0.9	176.6	0.57	25.16	31.72	131.15	9.02	3.21	8.19	4.4
2019/11/15	ME	MW1	15:03	B	19.0	357.0	0.73	25.32	32.68	109.80	7.49	3.61	8.06	5.5
2019/11/15	ME	MW1	15:04	M	10.4	21.3	0.58	25.32	32.67	111.21	7.59	3.41	8.06	5.0
2019/11/15	ME	MW1	15:05	T	1.0	217.1	1.22	25.33	32.63	112.42	7.67	3.01	8.07	4.6
2019/11/15	ME	MW1	15:06	B	18.9	13.0	0.80	25.32	32.66	111.32	7.60	3.21	8.06	5.8
2019/11/15	ME	MW1	15:07	M	10.4	357.7	0.32	25.30	32.68	110.02	7.51	3.51	8.06	4.9
2019/11/15	ME	MW1	15:08	T	1.1	127.7	0.74	25.36	32.61	118.55	8.09	2.71	8.09	4.5