

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)
2019/11/11	MF	MW1	04:59	B	18.9	92.8	0.49	25.66	32.76	98.35	6.67	4.91	8.07	6.6
2019/11/11	MF	MW1	05:00	M	10.5	111.8	0.73	25.67	32.77	98.55	6.68	4.11	8.04	6.8
2019/11/11	MF	MW1	05:01	T	1.1	319.2	0.39	25.66	32.77	100.04	6.78	4.11	8.02	5.9
2019/11/11	MF	MW1	05:02	B	19.0	269.7	0.18	25.67	32.77	99.14	6.72	4.21	8.02	6.8
2019/11/11	MF	MW1	05:03	M	10.5	77.2	0.63	25.67	32.77	99.44	6.74	4.21	8.02	6.4
2019/11/11	MF	MW1	05:03	T	1.2	6.8	0.18	25.67	32.77	99.83	6.77	4.31	8.02	6.3
2019/11/11	MF	DS1	06:08	B	7.9	261.4	0.94	25.12	32.43	108.17	7.42	6.80	8.12	7.8
2019/11/11	MF	DS1	06:09	M	4.7	294.3	0.54	25.12	32.41	111.65	7.66	5.40	8.11	8.4
2019/11/11	MF	DS1	06:10	T	1.2	304.8	0.74	25.11	32.41	111.64	7.66	5.80	8.10	9.6
2019/11/11	MF	DS1	06:11	B	8.4	261.9	0.97	25.10	32.44	111.14	7.62	9.30	8.10	8.3
2019/11/11	MF	DS1	06:12	M	4.9	287.6	0.44	25.10	32.43	110.64	7.59	5.60	8.10	8.0
2019/11/11	MF	DS1	06:13	T	1.2	303.3	0.94	25.07	32.40	111.83	7.68	3.81	8.10	9.9
2019/11/11	MF	DS2	06:23	B	7.9	70.5	0.30	25.13	32.42	109.10	7.48	7.20	8.11	7.1
2019/11/11	MF	DS2	06:24	M	4.9	266.9	1.37	25.13	32.42	109.20	7.49	6.40	8.11	8.1
2019/11/11	MF	DS2	06:24	T	1.3	304.7	0.73	25.12	32.42	109.30	7.50	5.40	8.10	8.0
2019/11/11	MF	DS2	06:27	B	8.1	301.2	0.70	25.12	32.43	109.39	7.50	8.90	8.11	7.5
2019/11/11	MF	DS2	06:28	M	4.9	291.0	1.17	25.13	32.43	109.88	7.53	6.60	8.10	8.1
2019/11/11	MF	DS2	06:28	T	1.4	332.0	1.65	25.12	32.43	110.48	7.58	5.90	8.10	8.0
2019/11/11	MF	DS3	06:33	B	6.7	330.5	0.31	25.11	32.44	109.56	7.51	6.70	8.11	10.3
2019/11/11	MF	DS3	06:34	M	5.4	348.9	0.50	25.11	32.44	109.86	7.53	6.40	8.11	7.3
2019/11/11	MF	DS3	06:35	T	1.3	286.4	0.96	25.10	32.45	109.75	7.53	6.00	8.09	7.3
2019/11/11	MF	DS3	06:36	B	7.0	60.6	0.22	25.11	32.45	109.75	7.53	7.50	8.10	10.3
2019/11/11	MF	DS3	06:36	M	4.6	259.8	1.00	25.10	32.45	109.45	7.51	5.70	8.09	7.1
2019/11/11	MF	DS3	06:37	T	1.2	286.3	0.89	25.08	32.45	109.35	7.50	5.20	8.09	7.4
2019/11/11	MF	DS4	06:42	B	6.8	10.3	0.10	25.09	32.45	108.13	7.42	7.00	8.11	8.9
2019/11/11	MF	DS4	06:42	M	4.6	298.0	0.30	25.09	32.46	108.73	7.46	7.40	8.10	8.3
2019/11/11	MF	DS4	06:43	T	1.1	157.1	0.83	25.09	32.46	109.02	7.48	6.30	8.09	9.3
2019/11/11	MF	DS4	06:44	B	7.0	351.7	0.15	25.09	32.46	108.82	7.47	6.70	8.09	8.9
2019/11/11	MF	DS4	06:44	M	4.5	180.7	0.39	25.08	32.46	108.62	7.45	6.30	8.09	8.3
2019/11/11	MF	DS4	06:45	T	1.1	104.5	0.26	25.05	32.47	108.92	7.48	5.30	8.09	9.4
2019/11/11	MF	DS5	06:52	B	7.9	332.3	0.53	25.07	32.43	107.99	7.41	7.10	8.11	7.8
2019/11/11	MF	DS5	06:53	M	5.0	55.4	0.51	25.06	32.43	107.30	7.37	5.70	8.10	7.3
2019/11/11	MF	DS5	06:53	T	1.1	317.9	0.60	25.05	32.42	108.98	7.48	5.10	8.10	9.1
2019/11/11	MF	DS5	06:54	B	8.0	342.1	0.81	25.08	32.45	108.68	7.46	8.80	8.09	8.2
2019/11/11	MF	DS5	06:55	M	5.2	346.8	0.18	25.06	32.45	108.68	7.46	5.80	8.09	9.7
2019/11/11	MF	DS5	06:55	T	1.2	306.3	0.87	25.07	32.45	108.58	7.45	6.30	8.09	9.2
2019/11/11	MF	US1	07:14	B	7.9	225.8	0.59	25.25	32.39	108.80	7.45	6.70	8.10	7.2
2019/11/11	MF	US1	07:15	M	5.0	284.5	0.65	25.26	32.38	108.70	7.44	6.80	8.09	10.2
2019/11/11	MF	US1	07:16	T	1.4	267.5	0.65	25.26	32.38	109.00	7.46	6.20	8.08	9.1
2019/11/11	MF	US1	07:16	B	8.0	241.0	0.81	25.26	32.39	108.60	7.43	8.30	8.08	7.1
2019/11/11	MF	US1	07:17	M	5.1	293.1	0.54	25.26	32.38	108.59	7.43	6.20	8.08	7.1
2019/11/11	MF	US1	07:18	T	1.2	254.1	0.86	25.26	32.38	109.29	7.48	6.10	8.08	10.1
2019/11/11	MF	US2	07:23	B	7.9	259.5	0.51	25.18	32.39	109.37	7.49	9.50	8.09	12.8
2019/11/11	MF	US2	07:23	M	5.0	298.9	0.74	25.18	32.39	109.86	7.53	8.00	8.09	8.7
2019/11/11	MF	US2	07:24	T	1.3	269.0	0.84	25.18	32.39	110.26	7.55	6.80	8.08	8.9
2019/11/11	MF	US2	07:25	B	7.9	28.3	0.41	25.18	32.39	109.46	7.50	9.00	8.08	12.2
2019/11/11	MF	US2	07:25	M	5.0	329.6	0.85	25.18	32.39	109.65	7.51	8.10	8.08	8.9
2019/11/11	MF	US2	07:26	T	1.1	238.9	0.38	25.18	32.39	110.15	7.55	6.50	8.08	8.5

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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)
2019/11/11	ME	US2	11:00	B	8.1	145.7	0.29	25.01	32.50	112.50	7.73	4.01	8.19	5.3
2019/11/11	ME	US2	11:01	M	4.9	141.1	0.67	25.07	32.44	116.32	7.98	3.31	8.19	4.7
2019/11/11	ME	US2	11:02	T	1.2	163.1	0.07	25.41	31.84	126.36	8.65	2.61	8.20	3.5
2019/11/11	ME	US2	11:03	B	8.1	143.5	0.84	25.02	32.49	114.23	7.84	3.61	8.18	5.2
2019/11/11	ME	US2	11:04	M	5.1	225.0	0.10	25.07	32.42	114.94	7.89	3.11	8.18	4.7
2019/11/11	ME	US2	11:04	T	1.3	121.3	0.90	25.35	31.82	125.48	8.60	2.71	8.19	3.4
2019/11/11	ME	US1	11:10	B	9.0	145.3	0.46	25.06	32.46	114.60	7.87	4.41	8.19	5.4
2019/11/11	ME	US1	11:11	M	5.2	53.8	0.18	25.09	32.47	114.00	7.82	5.10	8.17	5.7
2019/11/11	ME	US1	11:12	T	1.1	86.3	1.16	25.28	32.24	125.96	8.62	3.31	8.22	6.0
2019/11/11	ME	US1	11:13	B	9.1	104.2	0.68	25.05	32.46	114.93	7.89	4.01	8.17	5.0
2019/11/11	ME	US1	11:14	M	5.5	152.7	1.12	25.13	32.44	114.33	7.84	4.51	8.17	5.4
2019/11/11	ME	US1	11:14	T	1.1	187.7	0.87	25.20	32.36	124.28	8.51	4.51	8.20	5.9
2019/11/11	ME	DS1	11:20	B	8.9	116.8	1.22	25.06	32.45	117.91	8.09	3.81	8.17	4.1
2019/11/11	ME	DS1	11:21	M	5.7	164.7	0.52	25.19	32.33	122.64	8.40	3.61	8.19	5.1
2019/11/11	ME	DS1	11:22	T	1.2	194.1	0.26	25.37	32.22	129.78	8.87	2.91	8.21	3.4
2019/11/11	ME	DS1	11:23	B	9.1	137.7	0.27	25.15	32.37	124.87	8.56	4.01	8.18	4.1
2019/11/11	ME	DS1	11:24	M	5.7	143.5	0.70	25.22	32.32	126.18	8.64	3.11	8.19	5.2
2019/11/11	ME	DS1	11:25	T	1.2	78.8	1.01	25.56	32.24	129.81	8.84	2.41	8.20	3.4
2019/11/11	ME	DS2	11:33	B	7.7	145.1	0.68	25.08	32.38	117.73	8.08	8.60	8.17	9.9
2019/11/11	ME	DS2	11:34	M	5.3	137.1	0.29	25.08	32.36	118.84	8.16	5.20	8.16	6.1
2019/11/11	ME	DS2	11:35	T	1.2	137.1	0.74	25.16	32.31	122.27	8.38	4.01	8.17	5.0
2019/11/11	ME	DS2	11:35	B	7.6	156.1	0.19	25.07	32.38	117.55	8.07	6.30	8.16	9.4
2019/11/11	ME	DS2	11:36	M	4.9	141.7	1.09	25.07	32.38	117.86	8.09	6.10	8.16	5.6
2019/11/11	ME	DS2	11:37	T	1.2	84.5	1.39	25.29	32.25	128.23	8.78	3.11	8.20	4.7
2019/11/11	ME	DS3	11:42	B	7.8	154.7	0.48	25.15	32.33	117.32	8.05	6.20	8.17	6.8
2019/11/11	ME	DS3	11:43	M	4.9	268.5	1.19	25.16	32.33	121.75	8.35	5.10	8.16	5.8
2019/11/11	ME	DS3	11:44	T	0.9	106.5	0.73	25.32	32.22	125.08	8.56	3.71	8.18	4.8
2019/11/11	ME	DS3	11:46	B	8.0	92.4	0.66	25.14	32.30	117.76	8.08	7.20	8.16	6.8
2019/11/11	ME	DS3	11:47	M	4.9	22.5	0.89	25.14	32.30	119.78	8.22	6.40	8.16	6.2
2019/11/11	ME	DS3	11:47	T	1.2	81.9	0.54	25.23	32.23	123.81	8.48	3.41	8.17	4.7
2019/11/11	ME	DS4	11:53	B	12.1	51.7	0.87	25.23	32.40	113.70	7.78	6.70	8.15	8.1
2019/11/11	ME	DS4	11:55	M	7.1	99.4	0.69	25.25	32.36	117.44	8.04	4.01	8.16	6.0
2019/11/11	ME	DS4	11:56	T	1.3	105.0	0.75	25.26	32.24	121.68	8.33	3.91	8.17	6.0
2019/11/11	ME	DS4	11:56	B	11.9	211.8	0.15	25.24	32.39	114.53	7.84	4.91	8.14	8.8
2019/11/11	ME	DS4	11:57	M	7.1	108.2	0.24	25.24	32.38	115.65	7.92	5.30	8.14	6.3
2019/11/11	ME	DS4	11:58	T	1.3	77.4	1.06	25.31	32.18	122.71	8.40	3.51	8.17	6.4
2019/11/11	ME	DS5	12:04	B	6.3	126.6	0.86	25.28	32.41	115.61	7.91	5.10	8.14	8.4
2019/11/11	ME	DS5	12:04	M	3.7	67.3	0.80	25.27	32.39	118.04	8.08	4.41	8.15	6.6
2019/11/11	ME	DS5	12:05	T	1.1	97.6	0.45	25.30	32.33	122.68	8.39	3.21	8.17	5.2
2019/11/11	ME	DS5	12:06	B	6.1	71.5	0.46	25.26	32.39	116.74	7.99	6.50	8.14	8.3
2019/11/11	ME	DS5	12:07	M	4.0	87.9	0.67	25.25	32.38	117.75	8.06	7.30	8.15	6.3
2019/11/11	ME	DS5	12:07	T	1.1	29.1	0.53	25.27	32.36	119.17	8.15	4.01	8.16	5.5
2019/11/11	ME	MW1	12:51	B	19.0	116.9	0.37	25.72	32.94	99.67	6.75	4.51	8.05	5.8
2019/11/11	ME	MW1	12:52	M	10.1	45.0	0.79	25.72	32.94	99.88	6.76	4.71	8.05	8.3
2019/11/11	ME	MW1	12:53	T	1.3	165.9	0.51	25.85	32.92	102.82	6.94	4.01	8.06	6.0
2019/11/11	ME	MW1	12:54	B	18.9	10.2	0.20	25.71	32.94	98.88	6.69	5.20	8.05	5.7
2019/11/11	ME	MW1	12:55	M	10.8	356.7	0.31	25.71	32.94	99.19	6.71	4.81	8.05	8.0
2019/11/11	ME	MW1	12:56	T	1.2	68.8	0.62	25.91	32.90	107.81	7.27	3.71	8.08	6.2