

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)
2019/12/04	MF	DS5	13:18	B	7.0	289.2	0.22	21.35	32.09	97.70	7.17	5.95	8.01	8.1
2019/12/04	MF	DS5	13:19	M	4.5	4.2	0.05	21.36	32.09	96.50	7.08	5.35	8.02	7.2
2019/12/04	MF	DS5	13:20	T	1.1	211.5	0.29	21.38	32.10	96.60	7.09	5.05	8.02	7.1
2019/12/04	MF	DS5	13:21	B	7.0	288.5	0.43	21.35	32.11	95.60	7.02	5.95	8.03	7.8
2019/12/04	MF	DS5	13:22	M	4.4	299.6	0.44	21.37	32.11	95.90	7.04	5.55	8.04	7.0
2019/12/04	MF	DS5	13:22	T	1.0	344.7	1.78	21.38	32.11	96.11	7.05	5.35	8.04	6.8
2019/12/04	MF	DS4	13:31	M	4.5	271.8	0.58	21.44	32.14	94.62	6.93	6.55	8.06	8.0
2019/12/04	MF	DS4	13:32	T	1.0	330.9	0.18	21.47	32.14	95.22	6.97	5.95	8.07	6.2
2019/12/04	MF	DS3	13:39	B	7.1	271.8	0.49	21.39	32.14	96.24	7.06	8.15	8.06	9.6
2019/12/04	MF	DS3	13:39	M	4.5	284.1	0.33	21.39	32.13	95.14	6.98	8.05	8.06	8.5
2019/12/04	MF	DS3	13:40	T	1.1	45.9	0.44	21.41	32.13	95.54	7.00	6.65	8.07	8.8
2019/12/04	MF	DS3	13:41	B	7.0	316.4	1.08	21.39	32.13	94.74	6.95	8.35	8.07	9.4
2019/12/04	MF	DS3	13:42	M	4.5	261.9	1.00	21.39	32.13	94.94	6.96	7.35	8.07	8.9
2019/12/04	MF	DS3	13:43	T	1.1	302.7	0.94	21.41	32.13	95.44	7.00	6.65	8.08	8.4
2019/12/04	MF	DS2	13:49	B	7.1	244.7	0.33	21.39	32.11	95.15	6.98	9.85	8.05	10.7
2019/12/04	MF	DS2	13:50	M	4.5	274.4	0.33	21.41	32.11	94.66	6.94	8.75	8.05	10.0
2019/12/04	MF	DS2	13:50	T	0.9	311.4	0.74	21.42	32.11	95.06	6.97	9.05	8.06	11.0
2019/12/04	MF	DS2	13:51	B	6.9	260.8	0.30	21.42	32.11	94.36	6.92	9.25	8.06	10.9
2019/12/04	MF	DS2	13:52	M	4.6	303.0	0.43	21.42	32.11	94.46	6.92	8.45	8.06	10.1
2019/12/04	MF	DS2	13:53	T	1.0	331.8	0.14	21.42	32.11	94.66	6.94	8.25	8.07	11.1
2019/12/04	MF	DS1	14:02	B	9.7	321.0	0.53	21.69	32.23	91.87	6.70	61.85	8.05	22.9
2019/12/04	MF	DS1	14:03	M	5.9	252.8	0.15	21.78	32.27	92.28	6.71	11.65	8.05	13.7
2019/12/04	MF	DS1	14:04	T	1.2	347.7	0.57	21.60	32.18	93.08	6.80	7.45	8.06	6.9
2019/12/04	MF	DS1	14:05	B	9.9	204.0	0.08	21.76	32.25	91.78	6.68	57.25	8.06	23.2
2019/12/04	MF	DS1	14:06	M	6.0	333.8	0.42	21.72	32.25	92.18	6.72	8.55	8.06	13.5
2019/12/04	MF	DS1	14:07	T	0.9	254.1	0.50	21.70	32.23	92.88	6.77	7.95	8.06	6.9
2019/12/04	MF	US1	14:16	B	7.6	243.2	0.51	21.90	32.37	93.50	6.79	7.35	8.03	8.0
2019/12/04	MF	US1	14:17	M	5.0	287.5	0.59	21.91	32.37	92.50	6.71	6.95	8.03	7.6
2019/12/04	MF	US1	14:17	T	1.0	290.9	0.48	21.92	32.36	93.00	6.75	6.05	8.04	7.4
2019/12/04	MF	US1	14:18	B	8.1	263.1	0.12	21.91	32.37	92.10	6.68	7.85	8.04	8.1
2019/12/04	MF	US1	14:19	M	5.3	308.1	0.37	21.91	32.37	92.20	6.69	6.75	8.04	7.5
2019/12/04	MF	US1	14:20	T	1.0	358.9	0.38	21.92	32.36	93.01	6.75	6.45	8.05	7.3
2019/12/04	MF	US2	14:26	B	8.2	48.5	0.61	22.20	32.50	94.12	6.79	7.25	8.05	8.0
2019/12/04	MF	US2	14:27	M	5.0	300.6	0.32	22.21	32.50	93.32	6.73	6.65	8.05	7.7
2019/12/04	MF	US2	14:28	T	1.2	310.2	0.85	22.17	32.48	93.72	6.76	5.35	8.05	6.6
2019/12/04	MF	US2	14:29	B	8.0	236.1	0.46	22.19	32.50	92.72	6.69	6.45	8.05	7.6
2019/12/04	MF	US2	14:30	M	5.0	290.8	0.50	22.18	32.50	92.93	6.70	6.35	8.05	8.1
2019/12/04	MF	US2	14:31	T	1.1	59.4	0.17	22.10	32.43	93.63	6.77	5.85	8.05	6.7
2019/12/04	MF	MW1	15:34	B	18.9	297.0	0.44	22.89	33.36	91.13	6.46	6.65	8.03	10.8
2019/12/04	MF	MW1	15:34	M	10.4	297.0	0.46	22.88	33.31	90.83	6.44	5.25	8.03	6.4
2019/12/04	MF	MW1	15:35	T	1.1	210.5	0.71	22.89	33.32	91.74	6.51	2.85	8.02	3.7
2019/12/04	MF	MW1	15:37	B	19.1	32.3	0.58	22.88	33.33	89.84	6.37	4.95	8.02	10.3
2019/12/04	MF	MW1	15:38	M	10.5	339.4	0.45	22.89	33.32	90.44	6.41	3.85	8.02	6.2
2019/12/04	MF	MW1	15:39	T	0.9	60.2	0.39	22.88	33.32	91.44	6.49	2.95	8.03	3.7

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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)
2019/12/04	ME	MW1	04:47	B	19.1	125.0	0.13	22.96	33.35	91.27	6.46	3.25	7.86	5.1
2019/12/04	ME	MW1	04:48	M	10.5	317.3	0.54	22.96	33.33	91.08	6.45	3.05	7.88	3.8
2019/12/04	ME	MW1	04:49	T	1.0	289.4	1.93	22.95	33.32	91.58	6.49	2.75	7.89	4.2
2019/12/04	ME	MW1	04:53	B	19.2	20.9	0.86	22.96	33.33	90.59	6.42	4.55	7.93	5.1
2019/12/04	ME	MW1	04:54	M	10.6	250.4	0.22	22.97	33.32	90.69	6.42	2.95	7.94	4.0
2019/12/04	ME	MW1	04:55	T	1.0	277.0	0.06	22.95	33.31	91.19	6.46	3.15	7.96	4.3
2019/12/04	ME	US2	06:22	B	7.2	23.1	0.73	21.49	32.27	95.69	7.00	7.55	8.11	9.0
2019/12/04	ME	US2	06:23	M	4.9	182.6	0.63	21.51	32.24	93.79	6.86	5.85	8.11	7.3
2019/12/04	ME	US2	06:24	T	1.2	159.5	0.42	21.42	32.15	93.69	6.87	4.65	8.12	5.7
2019/12/04	ME	US2	06:24	B	7.2	171.0	0.50	21.51	32.26	93.29	6.82	6.85	8.13	9.5
2019/12/04	ME	US2	06:25	M	4.5	139.6	0.36	21.51	32.23	93.39	6.83	6.15	8.13	7.6
2019/12/04	ME	US2	06:26	T	1.0	127.7	1.13	21.41	32.13	93.50	6.85	4.25	8.13	5.3
2019/12/04	ME	US1	06:33	B	7.8	117.7	0.16	21.49	32.24	93.71	6.86	8.85	8.10	10.0
2019/12/04	ME	US1	06:34	M	5.1	157.0	0.16	21.48	32.22	93.31	6.83	7.15	8.11	8.8
2019/12/04	ME	US1	06:34	T	1.1	98.7	1.34	21.44	32.18	93.52	6.85	5.25	8.12	7.5
2019/12/04	ME	US1	06:35	B	7.9	48.9	0.48	21.49	32.24	93.12	6.81	9.45	8.12	9.6
2019/12/04	ME	US1	06:36	M	5.1	66.8	0.51	21.48	32.23	93.22	6.82	7.25	8.12	8.4
2019/12/04	ME	US1	06:37	T	1.1	129.9	0.39	21.46	32.19	93.42	6.84	5.15	8.12	7.5
2019/12/04	ME	DS1	06:46	B	8.7	355.9	0.57	21.71	32.33	94.44	6.88	9.75	8.07	9.8
2019/12/04	ME	DS1	06:46	M	5.3	32.2	0.39	21.61	32.26	93.14	6.80	7.45	8.08	8.8
2019/12/04	ME	DS1	06:47	T	1.0	122.5	0.36	21.60	32.26	93.24	6.81	7.65	8.08	9.6
2019/12/04	ME	DS1	06:48	B	9.2	216.1	0.56	21.78	32.40	92.24	6.71	10.65	8.09	9.2
2019/12/04	ME	DS1	06:49	M	5.4	129.6	0.56	21.59	32.25	92.65	6.77	7.05	8.10	8.8
2019/12/04	ME	DS1	06:50	T	1.2	55.8	0.56	21.59	32.26	93.05	6.79	7.25	8.10	9.3
2019/12/04	ME	DS2	06:56	B	8.2	50.5	0.78	21.90	32.39	93.36	6.77	8.75	8.06	9.1
2019/12/04	ME	DS2	06:57	M	4.9	176.0	0.62	21.74	32.29	92.36	6.73	7.55	8.07	10.6
2019/12/04	ME	DS2	06:57	T	0.8	133.5	0.82	21.65	32.24	92.66	6.76	6.75	8.08	7.6
2019/12/04	ME	DS2	06:58	B	8.0	148.2	1.15	21.90	32.41	91.56	6.64	8.75	8.08	9.3
2019/12/04	ME	DS2	06:59	M	5.1	70.8	0.56	21.70	32.27	92.06	6.71	7.25	8.09	10.7
2019/12/04	ME	DS2	07:00	T	1.1	65.7	0.67	21.70	32.28	92.57	6.75	7.05	8.09	7.7
2019/12/04	ME	DS3	07:06	B	9.1	63.7	0.37	21.83	32.34	92.48	6.72	9.05	8.04	11.1
2019/12/04	ME	DS3	07:07	M	5.7	110.0	0.46	21.82	32.33	91.88	6.68	7.75	8.04	9.5
2019/12/04	ME	DS3	07:08	T	1.2	168.7	0.68	21.75	32.30	92.28	6.72	6.95	8.04	8.6
2019/12/04	ME	DS3	07:09	B	9.2	65.1	0.38	21.84	32.34	91.38	6.64	9.45	8.04	11.3
2019/12/04	ME	DS3	07:10	M	5.2	123.2	0.62	21.78	32.31	91.59	6.66	9.05	8.05	9.3
2019/12/04	ME	DS3	07:10	T	1.1	70.0	0.38	21.74	32.29	92.29	6.72	6.45	8.04	9.0
2019/12/04	ME	DS4	07:16	B	14.2	144.5	0.18	19:12	32.30	92.30	6.71	13.95	8.02	14.9
2019/12/04	ME	DS4	07:17	M	8.1	126.0	0.60	21.78	32.29	91.70	6.67	7.95	8.03	9.8
2019/12/04	ME	DS4	07:18	T	1.1	3.3	0.45	21.76	32.28	92.21	6.71	6.55	8.04	8.6
2019/12/04	ME	DS4	07:20	B	14.1	107.4	0.46	21.80	32.30	91.11	6.63	9.35	8.03	14.7
2019/12/04	ME	DS4	07:20	M	8.3	52.3	0.28	21.79	32.29	91.41	6.65	7.75	8.04	9.3
2019/12/04	ME	DS4	07:21	T	1.0	58.3	0.49	21.78	32.29	92.01	6.69	7.15	8.04	8.2
2019/12/04	ME	DS5	07:27	B	8.3	2.2	0.48	21.80	32.29	93.13	6.77	10.15	8.01	9.9
2019/12/04	ME	DS5	07:28	M	5.3	145.7	0.36	21.77	32.28	92.03	6.70	9.55	8.01	11.7
2019/12/04	ME	DS5	07:29	T	0.9	122.5	0.51	21.76	32.28	92.23	6.71	9.55	8.02	12.0
2019/12/04	ME	DS5	07:30	B	8.1	131.3	0.54	21.78	32.28	91.53	6.66	11.55	8.03	9.9
2019/12/04	ME	DS5	07:31	M	5.0	120.0	0.20	21.78	32.28	91.63	6.67	11.45	8.03	12.2
2019/12/04	ME	DS5	07:32	T	0.9	47.6	1.44	21.75	32.27	92.0	6.70	9.1	8.03	12.3