

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)
2019/12/13	ME	US2	12:12	B	7.0	102.5	0.76	19.77	33.05	93.23	7.01	9.51	8.01	10.3
2019/12/13	ME	US2	12:12	M	4.6	73.0	0.33	19.87	32.95	94.22	7.07	7.21	8.01	9.1
2019/12/13	ME	US2	12:13	T	1.1	80.9	0.72	19.92	32.67	95.51	7.17	6.01	8.02	8.1
2019/12/13	ME	US2	12:14	B	6.9	156.3	0.43	19.81	33.03	93.91	7.05	7.91	8.02	9.9
2019/12/13	ME	US2	12:15	M	4.5	140.8	0.21	19.84	32.98	93.81	7.04	7.41	8.01	9.1
2019/12/13	ME	US2	12:15	T	1.1	52.4	0.99	19.94	32.64	95.60	7.18	6.11	8.02	8.0
2019/12/13	ME	US1	12:25	M	5.0	53.6	0.91	19.85	33.01	93.83	7.04	9.11	8.02	12.0
2019/12/13	ME	US1	12:26	T	1.0	313.0	0.67	19.92	32.99	94.72	7.10	7.11	8.01	9.1
2019/12/13	ME	DS1	12:32	B	10.1	136.6	0.64	19.77	32.95	93.37	7.02	8.61	7.99	9.6
2019/12/13	ME	DS1	12:33	M	5.9	140.3	0.66	19.80	32.93	93.17	7.00	7.41	7.99	10.8
2019/12/13	ME	DS1	12:34	T	1.0	16.6	0.36	19.89	32.91	93.86	7.04	5.91	7.99	7.4
2019/12/13	ME	DS1	12:35	B	10.1	127.6	0.50	19.79	32.94	92.76	6.97	7.61	7.99	9.7
2019/12/13	ME	DS1	12:36	M	6.1	9.6	0.33	19.80	32.94	93.05	6.99	7.51	7.99	10.0
2019/12/13	ME	DS1	12:37	T	1.0	5.9	1.12	19.85	32.91	93.44	7.02	6.11	8.00	7.7
2019/12/13	ME	DS2	12:44	B	8.1	55.2	0.59	19.87	32.98	93.29	7.00	9.21	8.00	11.3
2019/12/13	ME	DS2	12:45	M	5.1	122.5	0.49	19.88	32.98	93.08	6.98	8.21	8.01	11.7
2019/12/13	ME	DS2	12:46	T	1.3	87.3	0.58	19.90	32.96	93.67	7.03	7.11	8.01	11.2
2019/12/13	ME	DS2	12:47	B	7.9	63.2	0.73	19.86	32.98	92.57	6.95	9.81	8.01	12.1
2019/12/13	ME	DS2	12:48	M	4.9	73.7	0.31	19.88	32.97	92.96	6.97	7.91	8.01	12.1
2019/12/13	ME	DS2	12:49	T	1.2	184.8	0.12	19.91	32.95	93.45	7.01	6.31	8.01	11.5
2019/12/13	ME	DS3	12:55	B	9.1	94.8	0.53	19.84	32.97	93.01	6.98	14.71	8.01	15.2
2019/12/13	ME	DS3	12:56	M	5.6	121.0	0.62	19.98	32.94	93.20	6.98	6.31	8.01	8.3
2019/12/13	ME	DS3	12:57	T	1.3	321.6	0.15	20.04	32.93	93.79	7.02	5.61	8.00	8.5
2019/12/13	ME	DS3	12:59	B	8.9	104.4	0.44	19.84	32.97	92.19	6.92	16.41	8.00	14.8
2019/12/13	ME	DS3	13:00	M	5.6	25.6	0.40	19.98	32.94	93.17	6.98	6.81	8.00	8.8
2019/12/13	ME	DS3	13:00	T	1.1	130.2	0.41	20.04	32.93	93.76	7.02	5.71	8.00	8.6
2019/12/13	ME	DS4	13:20	B	14.6	59.6	0.44	19.86	32.96	91.24	6.85	25.81	8.00	20.0
2019/12/13	ME	DS4	13:22	M	8.3	83.3	1.10	19.94	32.94	92.42	6.93	7.41	8.00	10.2
2019/12/13	ME	DS4	13:24	T	1.3	190.4	0.28	20.05	32.94	93.39	6.99	5.21	7.99	6.4
2019/12/13	ME	DS4	13:27	B	14.2	127.9	0.78	19.84	32.97	91.58	6.88	20.91	7.99	19.1
2019/12/13	ME	DS4	13:28	M	8.0	98.4	0.45	19.86	32.96	92.47	6.94	7.31	8.00	9.9
2019/12/13	ME	DS4	13:29	T	1.0	343.5	0.87	20.06	32.94	93.75	7.01	5.61	8.00	6.7
2019/12/13	ME	DS5	13:48	B	8.1	74.7	0.21	19.89	32.95	91.93	6.90	36.21	8.00	18.9
2019/12/13	ME	DS5	13:49	M	5.0	46.8	0.62	19.93	32.95	92.32	6.92	18.21	8.00	15.4
2019/12/13	ME	DS5	13:50	T	1.3	67.8	0.16	20.01	32.95	93.30	6.98	7.01	8.00	9.0
2019/12/13	ME	DS5	13:51	B	8.1	72.3	0.96	19.88	32.95	92.01	6.90	35.41	8.00	18.7
2019/12/13	ME	DS5	13:52	M	4.9	119.5	1.12	19.89	32.95	92.49	6.94	14.61	7.99	15.2
2019/12/13	ME	DS5	13:53	T	1.3	175.4	0.36	20.01	32.95	93.58	7.00	6.31	7.99	8.9
2019/12/13	ME	MW1	14:41	B	19.0	117.5	0.26	20.46	33.39	83.46	6.18	6.71	7.96	6.3
2019/12/13	ME	MW1	14:42	M	10.5	15.8	0.53	20.48	33.39	83.65	6.19	5.41	7.94	9.1
2019/12/13	ME	MW1	14:43	T	1.1	263.4	0.43	20.49	33.38	84.43	6.25	5.11	7.94	7.4
2019/12/13	ME	MW1	14:44	B	19.0	134.8	0.18	20.47	33.38	82.35	6.10	6.61	7.94	6.3
2019/12/13	ME	MW1	14:45	M	10.6	267.8	0.60	20.50	33.37	83.23	6.16	5.51	7.93	9.6
2019/12/13	ME	MW1	14:46	T	1.1	150.0	0.64	20.52	33.35	85.00	6.29	4.31	7.93	7.5

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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)
2019/12/13	MF	MW1	07:05	B	19.1	57.3	0.50	20.11	33.24	89.93	6.71	14.91	7.72	13.9
2019/12/13	MF	MW1	07:06	M	10.6	36.9	0.21	20.12	33.22	89.93	6.71	15.41	7.81	14.0
2019/12/13	MF	MW1	07:07	T	1.2	196.1	0.20	20.11	33.22	90.62	6.76	13.81	7.83	9.1
2019/12/13	MF	MW1	07:11	B	19.0	8.3	0.56	20.11	33.24	89.02	6.64	19.21	7.85	14.1
2019/12/13	MF	MW1	07:12	M	10.6	261.4	0.68	20.11	33.25	89.71	6.69	11.11	7.86	14.8
2019/12/13	MF	MW1	07:13	T	1.1	171.0	0.30	20.10	33.25	90.41	6.74	8.41	7.86	8.7
2019/12/13	MF	DS1	08:08	B	8.0	262.0	1.01	19.80	32.58	93.86	7.07	14.11	7.87	12.8
2019/12/13	MF	DS1	08:09	M	5.1	252.9	0.59	19.81	32.56	93.16	7.02	13.51	7.88	11.4
2019/12/13	MF	DS1	08:14	T	1.1	232.3	0.75	19.79	32.61	94.45	7.11	14.91	7.86	15.2
2019/12/13	MF	DS1	08:14	B	7.8	303.2	0.85	19.74	32.67	93.15	7.02	18.81	7.88	12.9
2019/12/13	MF	DS1	08:15	M	5.0	326.1	0.90	19.77	32.62	93.05	7.01	16.81	7.88	10.7
2019/12/13	MF	DS1	08:16	T	0.9	300.3	0.80	19.80	32.57	93.05	7.01	14.01	7.88	14.6
2019/12/13	MF	DS2	08:24	B	7.1	306.1	0.14	19.80	32.58	93.62	7.05	13.91	7.89	15.0
2019/12/13	MF	DS2	08:25	M	4.8	334.2	0.42	19.80	32.57	92.82	6.99	13.31	7.93	11.5
2019/12/13	MF	DS2	08:26	T	1.1	324.8	0.34	19.80	32.57	92.92	7.00	12.71	7.92	10.1
2019/12/13	MF	DS2	08:26	B	7.1	309.1	0.86	19.80	32.56	92.42	6.96	15.61	7.91	15.0
2019/12/13	MF	DS2	08:27	M	4.6	329.7	0.61	19.79	32.57	92.52	6.97	16.21	7.90	11.6
2019/12/13	MF	DS2	08:28	T	0.9	1.8	0.19	19.78	32.59	92.92	7.00	14.61	7.91	9.8
2019/12/13	MF	DS3	08:35	B	6.7	274.3	0.81	19.80	32.59	93.30	7.03	13.81	7.88	15.4
2019/12/13	MF	DS3	08:36	M	4.5	324.0	0.60	19.80	32.57	92.70	6.98	14.21	7.89	10.6
2019/12/13	MF	DS3	08:36	T	1.3	278.6	0.67	19.80	32.56	92.89	7.00	13.81	7.90	15.5
2019/12/13	MF	DS3	08:37	B	7.2	291.4	0.41	19.80	32.56	92.29	6.95	18.31	7.90	15.7
2019/12/13	MF	DS3	08:38	M	4.4	319.5	0.65	19.79	32.56	92.59	6.97	14.41	7.89	11.2
2019/12/13	MF	DS3	08:39	T	1.1	7.1	0.54	19.78	32.57	92.79	6.99	15.61	7.90	15.7
2019/12/13	MF	DS4	08:45	B	6.8	62.6	0.29	19.81	32.58	92.87	6.99	13.11	7.89	12.8
2019/12/13	MF	DS4	08:46	M	4.6	278.3	0.32	19.81	32.57	92.67	6.98	13.51	7.89	15.2
2019/12/13	MF	DS4	08:47	T	1.2	180.8	0.56	19.81	32.57	92.77	6.99	13.51	7.89	10.6
2019/12/13	MF	DS4	08:47	B	7.1	338.5	0.66	19.81	32.58	92.47	6.96	13.81	7.89	12.9
2019/12/13	MF	DS4	08:48	M	4.4	266.9	0.57	19.80	32.57	92.37	6.96	11.81	7.89	15.6
2019/12/13	MF	DS4	08:49	T	1.1	280.4	0.53	19.80	32.57	92.76	6.99	12.01	7.88	10.6
2019/12/13	MF	DS5	08:55	B	7.0	146.9	0.56	19.81	32.52	93.35	7.03	16.41	7.86	14.4
2019/12/13	MF	DS5	08:55	M	4.6	263.4	0.29	19.82	32.50	92.65	6.98	13.81	7.88	15.6
2019/12/13	MF	DS5	08:56	T	1.2	144.6	0.12	19.83	32.47	92.84	6.99	11.81	7.88	12.6
2019/12/13	MF	DS5	08:57	B	7.2	308.2	0.47	19.81	32.53	92.34	6.95	13.91	7.88	14.9
2019/12/13	MF	DS5	08:57	M	4.6	230.1	0.40	19.81	32.51	92.44	6.96	12.71	7.88	14.6
2019/12/13	MF	DS5	08:58	T	1.0	349.8	0.50	19.83	32.47	92.84	6.99	11.11	7.89	12.8
2019/12/13	MF	US1	09:13	B	7.9	349.2	0.30	16:19	32.86	93.90	7.07	14.01	7.88	12.1
2019/12/13	MF	US1	09:14	M	5.0	283.9	0.91	19.69	32.86	93.30	7.03	13.11	7.89	15.5
2019/12/13	MF	US1	09:14	T	1.0	16.4	0.86	19.70	32.86	93.49	7.04	10.61	7.89	12.5
2019/12/13	MF	US1	09:15	B	7.9	56.3	0.47	19.68	32.89	92.80	6.99	16.71	7.89	11.9
2019/12/13	MF	US1	09:16	M	5.0	302.8	0.49	19.69	32.88	92.89	7.00	16.81	7.89	16.1
2019/12/13	MF	US1	09:17	T	1.0	326.5	0.70	19.69	32.88	93.29	7.03	14.91	7.89	12.0
2019/12/13	MF	US2	09:23	B	6.7	4.3	0.43	19.73	33.11	93.27	7.01	20.71	7.95	13.5
2019/12/13	MF	US2	09:24	M	4.5	330.5	0.81	19.73	33.07	93.17	7.01	17.81	7.97	14.1
2019/12/13	MF	US2	09:25	T	1.0	337.1	1.11	19.74	33.05	93.67	7.04	12.71	7.97	12.0
2019/12/13	MF	US2	09:26	B	7.1	270.5	0.60	19.72	33.07	92.87	6.98	20.01	7.97	13.2
2019/12/13	MF	US2	09:27	M	4.2	356.8	1.11	19.73	33.06	92.96	6.99	19.71	7.95	13.3
2019/12/13	MF	US2	09:28	T	1.3	289.5	1.14	19.73	33.06	93.5	7.03	14.0	7.94	11.5