

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)
2019/12/11	ME	US2	11:05	B	6.9	42.1	0.71	19.54	33.40	95.28	7.18	13.11	7.94	13.5
2019/12/11	ME	US2	11:05	M	4.5	6.8	0.23	19.59	33.35	94.78	7.13	8.71	7.93	12.6
2019/12/11	ME	US2	11:06	T	1.0	55.8	0.61	19.80	33.14	96.58	7.25	5.11	7.93	7.9
2019/12/11	ME	US2	11:07	B	6.9	110.2	0.15	19.52	33.36	94.88	7.15	9.81	7.92	13.6
2019/12/11	ME	US2	11:08	M	4.4	109.3	0.70	19.54	33.35	94.78	7.14	7.81	7.92	11.9
2019/12/11	ME	US2	11:08	T	1.1	303.4	0.19	19.77	33.15	96.98	7.28	4.91	7.92	7.7
2019/12/11	ME	US1	11:17	M	5.2	153.2	0.74	19.69	33.24	94.77	7.12	7.91	7.95	7.7
2019/12/11	ME	US1	11:18	T	1.3	108.9	0.75	19.91	33.13	97.27	7.29	4.91	7.96	9.0
2019/12/11	ME	DS1	11:25	B	7.8	184.0	0.66	19.83	33.45	94.76	7.10	6.01	7.95	8.6
2019/12/11	ME	DS1	11:25	M	5.1	100.2	0.15	19.91	33.34	94.86	7.10	5.31	7.96	8.3
2019/12/11	ME	DS1	11:26	T	0.9	148.2	0.73	19.87	33.11	95.86	7.19	5.21	7.97	8.1
2019/12/11	ME	DS1	11:27	B	8.2	253.8	0.24	19.83	33.43	94.36	7.07	5.81	7.96	8.6
2019/12/11	ME	DS1	11:27	M	4.8	235.3	0.30	19.92	33.32	94.26	7.05	5.31	7.96	8.5
2019/12/11	ME	DS1	11:28	T	0.9	101.9	0.53	19.86	33.14	95.45	7.16	5.31	7.97	8.0
2019/12/11	ME	DS2	11:37	B	7.8	79.4	1.19	19.78	33.47	94.14	7.06	8.01	7.96	15.6
2019/12/11	ME	DS2	11:38	M	5.0	266.7	0.31	19.87	33.45	93.34	6.98	6.11	7.97	7.1
2019/12/11	ME	DS2	11:39	T	1.2	46.3	0.66	19.99	33.11	96.44	7.21	4.41	7.99	5.8
2019/12/11	ME	DS2	11:40	B	8.0	178.7	0.50	19.78	33.44	93.04	6.97	7.01	7.98	16.6
2019/12/11	ME	DS2	11:40	M	5.1	72.3	0.14	19.91	33.39	93.44	6.99	5.51	7.98	7.0
2019/12/11	ME	DS2	11:41	T	1.2	90.6	0.97	19.97	33.16	95.74	7.16	4.71	7.99	5.4
2019/12/11	ME	DS3	11:48	B	8.8	65.2	0.49	19.84	33.47	93.63	7.01	8.11	7.97	11.9
2019/12/11	ME	DS3	11:49	M	5.5	97.5	0.44	19.85	33.45	93.13	6.97	7.81	7.99	11.9
2019/12/11	ME	DS3	11:50	T	1.1	149.8	0.69	19.96	33.45	93.93	7.02	4.61	7.99	7.6
2019/12/11	ME	DS3	11:51	B	8.9	204.3	1.50	19.84	33.44	92.63	6.94	8.21	7.99	11.8
2019/12/11	ME	DS3	11:52	M	5.5	51.7	0.43	19.82	33.44	92.83	6.95	8.01	7.99	11.7
2019/12/11	ME	DS3	11:52	T	1.1	10.6	1.51	19.95	33.45	93.73	7.00	5.01	7.99	8.2
2019/12/11	ME	DS4	12:02	B	13.3	66.4	0.86	19.88	33.47	93.61	7.00	13.91	7.99	20.2
2019/12/11	ME	DS4	12:03	M	7.4	146.2	0.63	19.89	33.45	93.61	7.00	5.41	8.01	7.7
2019/12/11	ME	DS4	12:04	T	1.0	60.9	0.36	19.97	33.45	94.31	7.04	5.11	8.01	7.7
2019/12/11	ME	DS4	12:05	B	13.2	196.4	0.45	19.88	33.44	93.01	6.96	11.91	8.00	20.3
2019/12/11	ME	DS4	12:06	M	7.5	27.7	0.35	19.87	33.44	93.31	6.98	6.31	8.00	7.7
2019/12/11	ME	DS4	12:07	T	1.0	130.1	1.22	20.10	33.44	95.11	7.09	4.51	8.01	7.2
2019/12/11	ME	DS5	12:14	B	7.8	115.0	0.63	19.89	33.46	92.80	6.94	20.61	8.00	19.7
2019/12/11	ME	DS5	12:15	M	5.3	128.5	0.23	19.93	33.45	93.30	6.97	6.61	8.01	8.2
2019/12/11	ME	DS5	12:16	T	1.1	76.5	0.52	20.17	33.44	94.80	7.05	3.51	8.01	4.7
2019/12/11	ME	DS5	12:17	B	7.9	114.0	0.18	19.89	33.44	92.50	6.92	16.11	8.01	20.5
2019/12/11	ME	DS5	12:18	M	4.9	52.5	0.66	19.95	33.44	93.29	6.97	6.21	8.01	8.5
2019/12/11	ME	DS5	12:19	T	1.1	75.3	0.64	20.24	33.44	95.29	7.08	3.31	8.01	4.7
2019/12/11	ME	MW1	13:06	B	19.0	348.4	0.26	20.61	33.44	85.35	6.30	5.61	7.99	8.3
2019/12/11	ME	MW1	13:07	M	10.7	149.2	0.16	20.61	33.44	85.25	6.29	6.01	7.96	8.4
2019/12/11	ME	MW1	13:08	T	1.1	19.0	0.32	20.62	33.44	85.95	6.34	4.91	7.96	8.0
2019/12/11	ME	MW1	13:10	B	18.8	188.8	0.42	20.60	33.44	84.45	6.23	6.61	7.95	8.1
2019/12/11	ME	MW1	13:11	M	10.2	90.9	0.52	20.60	33.44	84.84	6.26	5.71	7.95	8.1
2019/12/11	ME	MW1	13:12	T	1.2	89.9	0.48	20.63	33.44	85.64	6.32	5.51	7.96	8.4

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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)
2019/12/11	MF	MW1	06:03	B	19.1	191.4	0.44	20.34	33.42	89.42	6.63	8.51	8.11	9.8
2019/12/11	MF	MW1	06:04	M	10.3	3.9	0.71	20.34	33.39	89.41	6.64	8.61	8.09	11.7
2019/12/11	MF	MW1	06:04	T	1.1	85.5	0.32	20.34	33.40	89.80	6.66	7.51	8.11	8.5
2019/12/11	MF	MW1	06:06	B	18.9	157.5	0.30	20.35	33.39	88.58	6.57	10.81	8.11	9.8
2019/12/11	MF	MW1	06:07	M	10.3	41.2	0.95	20.35	33.40	89.07	6.61	9.11	8.09	12.0
2019/12/11	MF	MW1	06:08	T	1.2	239.8	0.37	20.34	33.41	89.75	6.66	8.01	8.07	8.9
2019/12/11	MF	DS1	07:03	B	8.8	283.2	0.72	19.80	33.37	95.29	7.14	16.21	8.12	15.4
2019/12/11	MF	DS1	07:03	M	5.8	312.6	0.43	19.79	33.36	95.09	7.13	14.01	8.15	13.6
2019/12/11	MF	DS1	07:05	T	1.2	285.7	1.05	19.78	33.33	93.59	7.02	13.11	8.14	12.8
2019/12/11	MF	DS1	07:06	B	9.0	324.1	0.49	19.78	33.34	92.78	6.96	15.01	8.13	15.3
2019/12/11	MF	DS1	07:06	M	5.0	303.5	0.62	19.79	33.34	92.97	6.97	13.41	8.13	12.8
2019/12/11	MF	DS1	07:07	T	1.1	269.9	0.63	19.79	33.35	93.26	6.99	13.11	8.15	12.6
2019/12/11	MF	DS2	07:14	B	7.0	6.7	0.20	19.72	33.44	94.15	7.06	15.21	8.08	12.8
2019/12/11	MF	DS2	07:15	M	4.3	330.2	0.74	19.72	33.41	93.26	7.00	13.21	8.11	13.0
2019/12/11	MF	DS2	07:16	T	1.0	290.0	0.98	19.71	33.40	93.35	7.01	11.51	8.12	10.1
2019/12/11	MF	DS2	07:17	B	7.3	340.5	1.22	19.72	33.39	92.84	6.97	14.41	8.10	13.0
2019/12/11	MF	DS2	07:17	M	4.5	300.3	0.75	19.71	33.40	92.83	6.97	13.31	8.10	12.6
2019/12/11	MF	DS2	07:18	T	1.0	335.6	0.88	19.71	33.40	93.12	6.99	11.41	8.10	10.9
2019/12/11	MF	DS3	07:26	B	7.0	359.0	0.33	19.73	33.41	93.11	6.99	15.31	8.07	13.9
2019/12/11	MF	DS3	07:27	M	4.4	12.4	0.31	19.74	33.37	92.90	6.97	14.91	8.08	13.2
2019/12/11	MF	DS3	07:28	T	0.9	1.9	1.16	19.73	33.38	93.09	6.99	11.01	8.08	10.8
2019/12/11	MF	DS3	07:29	B	7.0	335.6	0.16	19.73	33.37	92.49	6.94	15.01	8.08	13.8
2019/12/11	MF	DS3	07:29	M	4.6	21.3	0.30	19.73	33.38	92.67	6.95	12.71	8.07	13.5
2019/12/11	MF	DS3	07:30	T	1.0	330.7	0.21	19.73	33.38	92.86	6.97	11.31	8.07	10.1
2019/12/11	MF	DS4	07:36	B	6.9	339.4	0.44	19.70	33.43	94.36	7.08	14.11	8.08	15.8
2019/12/11	MF	DS4	07:37	M	4.7	278.5	0.15	19.70	33.41	93.17	6.99	10.91	8.08	11.8
2019/12/11	MF	DS4	07:38	T	1.2	300.9	0.62	19.70	33.40	93.06	6.99	10.41	8.10	11.1
2019/12/11	MF	DS4	07:39	B	6.9	312.3	0.94	19.70	33.38	92.65	6.96	12.31	8.10	15.8
2019/12/11	MF	DS4	07:39	M	4.4	323.5	1.03	19.70	33.39	92.55	6.95	11.51	8.09	11.9
2019/12/11	MF	DS4	07:40	T	1.2	296.8	0.54	19.70	33.39	92.83	6.97	11.61	8.07	11.5
2019/12/11	MF	DS5	07:48	B	7.0	290.8	0.46	19.80	33.28	94.69	7.10	11.21	8.04	11.3
2019/12/11	MF	DS5	07:49	M	4.4	154.7	0.32	19.81	33.20	92.72	6.96	12.81	8.07	14.3
2019/12/11	MF	DS5	07:50	T	1.1	35.7	0.19	19.80	33.09	92.51	6.95	7.61	8.08	9.1
2019/12/11	MF	DS5	07:51	B	6.9	3.0	0.47	19.81	33.22	92.01	6.90	12.31	8.08	10.5
2019/12/11	MF	DS5	07:52	M	4.5	323.4	0.31	19.79	33.17	91.90	6.90	12.71	8.08	15.1
2019/12/11	MF	DS5	07:52	T	0.9	210.0	0.38	19.79	33.10	92.09	6.91	8.61	8.07	9.2
2019/12/11	MF	US1	08:11	B	8.7	342.5	0.34	15.50	33.47	92.23	6.93	28.11	8.04	16.0
2019/12/11	MF	US1	08:12	M	5.3	323.1	0.70	19.66	33.45	92.02	6.91	21.11	8.05	14.7
2019/12/11	MF	US1	08:13	T	1.3	277.1	0.65	19.66	33.45	92.31	6.93	16.61	8.05	17.9
2019/12/11	MF	US1	08:17	B	8.9	297.4	0.56	19.66	33.46	91.38	6.86	20.91	8.04	16.5
2019/12/11	MF	US1	08:18	M	5.6	320.4	1.09	19.66	33.46	91.56	6.88	18.31	8.03	14.9
2019/12/11	MF	US1	08:19	T	1.2	341.6	1.07	19.66	33.46	92.04	6.91	13.81	8.03	17.0
2019/12/11	MF	US2	08:25	B	7.8	53.7	0.34	19.80	33.49	91.97	6.89	16.21	8.01	17.5
2019/12/11	MF	US2	08:25	M	5.1	290.3	0.57	19.81	33.46	91.66	6.87	16.31	8.01	17.1
2019/12/11	MF	US2	08:26	T	1.1	311.1	0.69	19.83	33.45	91.85	6.88	14.61	8.02	13.7
2019/12/11	MF	US2	08:27	B	7.9	286.2	0.57	19.81	33.44	91.35	6.84	18.11	8.02	16.0
2019/12/11	MF	US2	08:28	M	4.9	320.2	0.50	19.83	33.44	91.44	6.85	17.31	8.01	18.3
2019/12/11	MF	US2	08:28	T	0.9	54.5	0.81	19.85	33.44	91.8	6.87	11.4	8.02	13.8