

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)
2019/11/29	MF	MW1	08:12	B	19.0	5.3	0.63	23.90	32.28	89.04	6.24	10.90	8.08	11.0
2019/11/29	MF	MW1	08:14	M	10.4	309.1	0.06	23.89	32.25	88.94	6.24	10.20	8.04	8.2
2019/11/29	MF	MW1	08:15	T	1.2	279.8	0.35	23.87	32.23	89.43	6.27	8.50	8.02	8.6
2019/11/29	MF	MW1	08:16	B	19.0	130.0	0.37	23.91	32.28	88.33	6.19	12.60	8.01	10.8
2019/11/29	MF	MW1	08:18	M	10.4	289.2	0.58	23.91	32.28	88.72	6.22	11.00	8.01	7.9
2019/11/29	MF	MW1	08:19	T	1.2	146.3	0.52	23.89	32.29	89.22	6.25	9.20	8.01	9.1
2019/11/29	MF	DS1	09:32	B	8.9	332.9	0.51	23.53	31.50	94.87	6.72	13.40	8.06	8.4
2019/11/29	MF	DS1	09:33	M	5.5	309.2	0.57	23.53	31.47	95.07	6.74	11.70	8.06	9.9
2019/11/29	MF	DS1	09:34	T	1.0	347.5	1.37	23.51	31.42	94.47	6.70	11.10	8.05	10.5
2019/11/29	MF	DS1	09:35	B	9.0	228.3	0.67	23.53	31.48	94.06	6.67	13.60	8.05	9.0
2019/11/29	MF	DS1	09:36	M	5.3	62.0	0.15	23.51	31.44	94.46	6.70	12.30	8.04	9.8
2019/11/29	MF	DS1	09:37	T	1.2	312.8	0.59	23.48	31.39	94.75	6.72	11.40	8.05	10.6
2019/11/29	MF	DS2	09:43	B	8.1	15.9	0.71	23.54	31.45	94.03	6.66	15.69	8.04	11.4
2019/11/29	MF	DS2	09:44	M	5.0	349.2	0.51	23.54	31.44	94.12	6.67	13.00	8.04	8.9
2019/11/29	MF	DS2	09:45	T	1.3	312.8	1.17	23.53	31.43	95.41	6.76	9.60	8.04	9.3
2019/11/29	MF	DS2	09:46	B	8.1	291.4	0.69	23.54	31.44	93.82	6.65	15.99	8.03	11.3
2019/11/29	MF	DS2	09:48	M	4.9	2.1	0.44	23.54	31.44	94.11	6.67	12.40	8.03	9.0
2019/11/29	MF	DS2	09:48	T	1.2	47.8	0.65	23.54	31.44	94.50	6.70	10.90	8.04	9.3
2019/11/29	MF	DS3	09:54	B	7.3	16.1	0.15	23.51	31.41	94.38	6.69	14.20	8.05	11.2
2019/11/29	MF	DS3	09:55	M	4.5	223.4	0.05	23.52	31.41	94.37	6.69	13.20	8.05	8.1
2019/11/29	MF	DS3	09:56	T	1.0	24.0	0.39	23.52	31.40	94.67	6.71	11.30	8.05	9.9
2019/11/29	MF	DS3	09:57	B	7.0	13.9	0.27	23.52	31.40	93.97	6.66	16.79	8.04	11.9
2019/11/29	MF	DS3	09:58	M	4.4	305.3	0.40	23.52	31.40	94.66	6.71	13.10	8.04	8.2
2019/11/29	MF	DS3	09:59	T	0.9	303.4	0.58	23.53	31.40	94.65	6.71	11.50	8.04	9.1
2019/11/29	MF	DS4	10:06	B	7.2	249.5	0.22	23.53	31.43	94.03	6.67	16.79	8.05	11.8
2019/11/29	MF	DS4	10:07	M	4.6	225.9	0.78	23.53	31.42	93.82	6.65	10.40	8.05	9.4
2019/11/29	MF	DS4	10:08	T	1.0	270.0	0.09	23.54	31.42	94.12	6.67	9.10	8.05	9.1
2019/11/29	MF	DS4	10:09	B	6.9	265.6	0.63	23.53	31.42	93.52	6.63	15.29	8.04	11.7
2019/11/29	MF	DS4	10:10	M	4.4	322.5	0.23	23.53	31.42	94.21	6.68	11.00	8.04	8.8
2019/11/29	MF	DS4	10:10	T	1.0	339.1	0.39	23.53	31.41	94.30	6.69	9.30	8.04	9.4
2019/11/29	MF	DS5	10:19	B	7.0	324.7	0.82	23.49	31.40	93.87	6.66	19.69	8.04	13.8
2019/11/29	MF	DS5	10:21	M	4.8	0.5	0.64	23.48	31.40	94.35	6.70	12.00	8.04	13.8
2019/11/29	MF	DS5	10:22	T	1.0	290.8	1.40	23.49	31.39	94.95	6.74	9.50	8.04	7.3
2019/11/29	MF	DS5	10:24	B	7.0	21.9	0.57	23.48	31.40	93.85	6.66	23.59	8.04	14.2
2019/11/29	MF	DS5	10:25	M	4.6	324.7	0.72	23.48	31.39	94.34	6.70	12.80	8.04	14.0
2019/11/29	MF	DS5	10:26	T	1.0	136.0	0.28	23.49	31.39	95.03	6.74	9.20	8.04	7.6
2019/11/29	MF	US1	10:43	B	7.5	306.2	0.90	23.49	31.45	95.55	6.78	22.69	8.02	15.5
2019/11/29	MF	US1	10:44	M	4.8	304.6	0.71	23.49	31.45	95.94	6.81	16.19	8.02	12.7
2019/11/29	MF	US1	10:45	T	1.0	325.7	0.49	23.51	31.44	96.04	6.81	12.40	8.03	12.8
2019/11/29	MF	US1	10:46	B	7.9	316.5	0.49	23.49	31.45	95.14	6.75	20.79	8.02	14.9
2019/11/29	MF	US1	10:46	M	5.2	301.2	0.39	23.50	31.44	95.53	6.78	16.59	8.03	12.7
2019/11/29	MF	US1	10:48	T	1.0	268.9	0.64	23.51	31.43	96.12	6.82	11.80	8.02	12.5
2019/11/29	MF	US2	10:53	B	8.0	189.1	0.51	23.53	31.48	95.30	6.75	21.89	8.02	17.4
2019/11/29	MF	US2	10:54	M	5.1	270.8	1.02	23.58	31.50	95.20	6.74	18.29	8.02	14.9
2019/11/29	MF	US2	10:55	T	1.3	289.3	0.73	23.58	31.52	95.39	6.75	15.69	8.02	15.7
2019/11/29	MF	US2	10:56	B	8.2	250.8	0.15	23.57	31.51	94.80	6.71	22.29	8.02	16.6
2019/11/29	MF	US2	10:57	M	4.8	276.1	0.61	23.63	31.54	95.29	6.74	17.29	8.02	15.7
2019/11/29	MF	US2	10:58	T	1.1	246.0	0.49	23.67	31.56	95.08	6.72	15.69	8.02	16.4

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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)
2019/11/29	ME	US2	13:48	B	7.9	104.1	0.33	23.47	31.30	93.42	6.63	12.50	8.03	12.4
2019/11/29	ME	US2	13:49	M	5.1	147.2	0.62	23.41	31.24	93.92	6.68	10.00	8.04	9.1
2019/11/29	ME	US2	13:50	T	1.2	91.6	0.92	23.62	31.03	97.23	6.90	7.80	8.04	7.9
2019/11/29	ME	US2	13:51	B	7.7	331.7	0.28	23.42	31.27	93.43	6.64	14.70	8.03	12.6
2019/11/29	ME	US2	13:52	M	5.1	143.2	0.38	23.41	31.27	94.04	6.69	9.70	8.03	9.2
2019/11/29	ME	US2	13:53	T	1.1	94.5	0.76	23.55	31.09	96.84	6.88	7.80	8.04	7.9
2019/11/29	ME	US1	13:58	B	8.9	267.3	0.13	23.68	31.57	92.56	6.54	8.20	8.04	9.4
2019/11/29	ME	US1	13:59	M	5.5	264.7	0.27	23.50	31.19	94.37	6.70	9.20	8.04	8.2
2019/11/29	ME	US1	13:59	T	1.1	140.8	0.72	23.60	31.03	97.18	6.90	8.30	8.05	11.6
2019/11/29	ME	US1	14:00	B	9.0	346.7	0.04	23.68	31.56	92.37	6.53	8.20	8.03	9.1
2019/11/29	ME	US1	14:01	M	5.6	85.0	0.58	23.52	31.27	94.18	6.68	8.30	8.04	8.2
2019/11/29	ME	US1	14:02	T	1.0	217.9	0.29	23.61	31.04	97.19	6.90	8.00	8.03	11.8
2019/11/29	ME	DS1	14:07	B	8.8	292.4	0.63	23.72	31.51	94.10	6.65	8.00	8.03	6.9
2019/11/29	ME	DS1	14:08	M	5.6	171.7	0.60	23.73	31.35	95.41	6.74	8.20	8.03	9.9
2019/11/29	ME	DS1	14:09	T	1.2	175.6	0.10	23.61	30.96	97.92	6.95	9.10	8.04	9.1
2019/11/29	ME	DS1	14:09	B	9.1	59.3	0.54	23.75	31.50	94.72	6.69	8.10	8.03	7.4
2019/11/29	ME	DS1	14:10	M	5.7	123.2	0.61	23.74	31.37	95.92	6.78	8.20	8.03	9.5
2019/11/29	ME	DS1	14:11	T	0.8	161.8	0.87	23.62	30.97	97.53	6.92	8.90	8.04	8.6
2019/11/29	ME	DS2	14:17	B	13.0	234.1	0.26	23.71	31.65	91.94	6.49	9.60	8.02	8.4
2019/11/29	ME	DS2	14:18	M	7.7	25.3	0.35	23.72	31.66	91.85	6.48	8.00	8.03	7.6
2019/11/29	ME	DS2	14:18	T	1.1	347.3	0.35	23.75	31.62	93.75	6.61	7.10	8.04	5.8
2019/11/29	ME	DS2	14:19	B	12.9	66.9	0.80	23.72	31.66	91.05	6.42	9.00	8.03	8.1
2019/11/29	ME	DS2	14:20	M	7.5	158.6	0.40	23.72	31.64	92.16	6.50	7.90	8.03	7.5
2019/11/29	ME	DS2	14:21	T	1.0	124.5	0.59	23.75	31.27	96.37	6.81	7.30	8.04	5.8
2019/11/29	ME	DS3	14:26	B	8.2	148.8	0.39	23.73	31.67	91.58	6.46	16.29	8.02	16.3
2019/11/29	ME	DS3	14:27	M	5.2	156.5	0.69	23.71	31.66	91.49	6.46	9.90	8.02	9.0
2019/11/29	ME	DS3	14:28	T	1.0	97.8	1.03	23.74	31.62	94.00	6.63	7.50	8.03	6.1
2019/11/29	ME	DS3	14:29	B	8.0	42.4	0.22	23.72	31.66	91.09	6.43	14.70	8.02	16.1
2019/11/29	ME	DS3	14:30	M	5.2	120.4	1.09	23.71	31.65	91.30	6.44	10.00	8.02	8.8
2019/11/29	ME	DS3	14:31	T	1.3	162.8	0.53	23.79	31.62	94.31	6.65	7.00	8.03	6.1
2019/11/29	ME	DS4	14:36	B	11.9	54.6	0.33	23.91	32.54	86.31	6.04	10.00	8.00	8.7
2019/11/29	ME	DS4	14:37	M	7.0	62.0	0.60	23.86	32.06	88.82	6.24	9.60	8.01	9.7
2019/11/29	ME	DS4	14:38	T	1.1	69.5	0.23	23.79	31.62	94.55	6.66	7.20	8.03	5.1
2019/11/29	ME	DS4	14:39	B	12.1	270.7	0.71	23.91	32.52	86.72	6.07	9.10	7.99	8.9
2019/11/29	ME	DS4	14:40	M	7.1	124.2	0.53	23.78	31.84	89.54	6.30	10.10	8.01	9.6
2019/11/29	ME	DS4	14:41	T	1.0	172.5	0.17	23.75	31.63	94.26	6.65	8.00	8.03	5.3
2019/11/29	ME	DS5	14:47	B	8.0	340.7	0.26	23.91	32.57	86.45	6.05	7.80	8.00	8.3
2019/11/29	ME	DS5	14:47	M	4.8	179.7	0.18	23.86	32.03	89.67	6.30	7.50	8.00	6.6
2019/11/29	ME	DS5	14:48	T	1.1	68.3	0.66	23.78	31.66	92.58	6.53	7.70	8.02	6.1
2019/11/29	ME	DS5	14:49	B	8.1	195.1	0.28	23.91	32.58	86.16	6.03	8.20	7.98	8.4
2019/11/29	ME	DS5	14:50	M	5.2	77.9	0.36	23.86	32.03	89.28	6.27	7.70	7.99	6.5
2019/11/29	ME	DS5	14:51	T	1.2	92.2	0.88	23.80	31.64	94.30	6.65	7.30	8.01	6.0
2019/11/29	ME	MW1	15:35	B	19.1	324.0	0.40	23.94	32.68	87.35	6.10	8.40	7.98	6.8
2019/11/29	ME	MW1	15:36	M	10.4	3.2	0.55	23.94	32.67	87.36	6.11	6.70	7.96	5.7
2019/11/29	ME	MW1	15:37	T	1.3	115.0	0.39	23.98	32.54	88.67	6.20	5.50	7.97	5.8
2019/11/29	ME	MW1	15:38	B	18.8	35.8	0.57	23.95	32.65	86.46	6.04	6.80	7.96	6.4
2019/11/29	ME	MW1	15:39	M	10.6	89.3	0.57	23.95	32.64	86.57	6.05	6.30	7.96	5.8
2019/11/29	ME	MW1	15:40	T	1.0	80.4	0.72	23.98	32.53	88.89	6.21	5.60	7.97	5.8