

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vd

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)
2016/12/27	ME	MW1	10:29	B	19.1	159.9	0.14	21.24	30.19	93.72	6.97	4.44	8.1	4.62
2016/12/27	ME	MW1	10:30	M	10.6	232.9	0.49	21.25	30.16	93.81	6.98	3.14	8.1	3.79
2016/12/27	ME	MW1	10:30	T	1	260.7	0.21	21.24	30.15	95.31	7.09	2.75	8.11	3.51
2016/12/27	ME	MW1	10:32	B	19.2	43.6	0.49	21.24	30.2	91.71	6.82	4.44	8.09	4.54
2016/12/27	ME	MW1	10:32	M	10.6	70.7	0.46	21.25	30.18	92.51	6.88	4.34	8.1	7.36
2016/12/27	ME	MW1	10:33	T	1	85.1	0.67	21.25	30.16	94.51	7.03	2.75	8.1	6.87
2016/12/27	ME	US2	11:50	B	7.1	335	0.59	20.99	29.74	107.4	8.05	6.34	8.23	15.99
2016/12/27	ME	US2	11:50	M	4.4	55.4	0.45	21.03	29.73	108	8.09	6.44	8.23	11.82
2016/12/27	ME	US2	11:51	T	1.1	31.1	0.29	21.03	29.73	108.7	8.14	5.84	8.22	7.05
2016/12/27	ME	US2	11:52	B	7.1	140.2	0.73	21	29.74	107.7	8.07	6.54	8.22	15.78
2016/12/27	ME	US2	11:52	M	4.3	231.1	0.37	21.02	29.74	108.09	8.09	6.34	8.22	11.61
2016/12/27	ME	US2	11:53	T	0.9	138.9	0.39	21.03	29.74	109.19	8.17	5.74	8.22	6.94
2016/12/27	ME	US1	11:58	B	7.1	231.3	0.08	21.22	30	100	7.45	9.33	8.14	12.62
2016/12/27	ME	US1	11:59	M	4.4	294.1	0.27	21.21	29.97	98.41	7.33	9.33	8.13	11.61
2016/12/27	ME	US1	11:59	T	1	292.8	0.43	21.12	29.81	101.5	7.58	6.14	8.16	9.37
2016/12/27	ME	US1	12:00	B	7	205.1	0.63	21.22	30.01	98.4	7.33	9.43	8.12	11.73
2016/12/27	ME	US1	12:01	M	4.3	268.1	0.3	21.21	29.96	97.7	7.28	10.93	8.12	11.90
2016/12/27	ME	US1	12:01	T	1	0.4	0.49	21.11	29.79	101.99	7.62	6.24	8.16	9.10
2016/12/27	ME	DS1	12:05	B	7.1	300.2	0.38	21.11	29.76	104.17	7.79	5.84	8.17	9.21
2016/12/27	ME	DS1	12:06	M	4.5	159.4	0.55	21.09	29.75	103.87	7.77	5.64	8.16	8.48
2016/12/27	ME	DS1	12:06	T	1	222.5	0.18	21.08	29.74	104.37	7.81	5.44	8.17	9.44
2016/12/27	ME	DS1	12:07	B	7.2	41.8	0.9	21.09	29.75	103.77	7.76	5.84	8.16	9.71
2016/12/27	ME	DS1	12:08	M	4.4	87.2	0.48	21.08	29.74	103.87	7.77	6.04	8.16	8.09
2016/12/27	ME	DS1	12:08	T	1.2	347.6	0.71	21.08	29.74	104.27	7.8	6.34	8.16	9.59
2016/12/27	ME	DS2	12:13	B	7.1	207.2	0.17	21.12	29.79	103.46	7.73	4.74	8.15	11.01
2016/12/27	ME	DS2	12:13	M	4.3	117.3	0.87	21.1	29.73	104.55	7.82	4.64	8.17	10.43
2016/12/27	ME	DS2	12:14	T	1.1	155.8	0.68	21.11	29.73	106.45	7.96	4.34	8.17	7.72
2016/12/27	ME	DS2	12:14	B	7.2	283	0.45	21.12	29.8	103.46	7.73	5.14	8.14	10.74
2016/12/27	ME	DS2	12:15	M	4.6	88.9	0.77	21.09	29.73	103.45	7.74	4.94	8.16	10.81
2016/12/27	ME	DS2	12:15	T	1	165.4	0.39	21.09	29.7	106.04	7.93	4.74	8.17	7.56
2016/12/27	ME	DS3	12:22	B	7.1	62.5	0.1	21.13	29.79	105.33	7.87	5.54	8.15	9.96
2016/12/27	ME	DS3	12:22	M	4.3	244.9	0.54	21.12	29.75	105.53	7.89	4.24	8.17	6.27
2016/12/27	ME	DS3	12:23	T	0.9	227.6	0.63	21.11	29.75	106.33	7.95	4.24	8.16	6.52
2016/12/27	ME	DS3	12:23	B	6.4	16	0.32	21.11	29.76	104.43	7.81	4.54	8.15	9.34
2016/12/27	ME	DS3	12:24	M	4.5	75.1	0.23	21.1	29.74	105.23	7.87	4.54	8.16	#REF!
2016/12/27	ME	DS3	12:24	T	1	220.5	0.91	21.1	29.74	106.32	7.95	4.34	8.16	#REF!
2016/12/27	ME	DS4	12:29	B	6.9	18.4	0.21	21.11	29.78	105.21	7.86	5.74	8.16	#REF!
2016/12/27	ME	DS4	12:30	M	4.4	66.1	0.13	21.1	29.73	106.91	7.99	4.74	8.17	#REF!
2016/12/27	ME	DS4	12:30	T	1	281.1	0.42	21.09	29.73	108.3	8.1	4.34	8.18	#REF!
2016/12/27	ME	DS4	12:31	B	7.2	94.5	0.06	21.11	29.76	106.5	7.96	5.44	8.16	#REF!
2016/12/27	ME	DS4	12:32	M	4.6	322.9	0.24	21.1	29.74	107.3	8.02	4.54	8.17	#REF!
2016/12/27	ME	DS4	12:32	T	1.1	144.3	0.62	21.1	29.74	107.9	8.07	4.64	8.18	#REF!
2016/12/27	ME	DS5	12:37	B	7.1	298.8	0.37	21.15	29.82	104.3	7.79	4.04	8.15	4.38
2016/12/27	ME	DS5	12:37	M	4.6	186.3	0.35	21.16	29.81	104.2	7.78	4.14	8.15	6.24
2016/12/27	MF	US2	15:49	B	7.1	305.9	1.06	21.12	29.75	109.32	8.17	3.84	8.16	6.32
2016/12/27	MF	US2	15:50	M	4.3	323.8	0.67	21.12	29.76	109.72	8.2	4.24	8.16	5.32
2016/12/27	MF	US2	15:50	T	1	231.7	0.81	21.1	29.75	110.52	8.26	3.64	8.17	5.00
2016/12/27	MF	US2	15:51	B	7	287.7	0.62	21.13	29.75	109.82	8.21	4.34	8.16	6.14
2016/12/27	MF	US2	15:52	M	4.4	20.1	0.46	21.13	29.75	109.82	8.21	4.64	8.16	5.22
2016/12/27	MF	US2	15:52	T	1.1	246.6	0.32	21.12	29.75	110.42	8.25	5.34	8.17	5.00
2016/12/27	MF	US1	15:56	B	7	244.6	0.57	21.03	29.64	111.81	8.38	6.24	8.19	#REF!
2016/12/27	MF	US1	15:56	M	4.8	244.5	0.83	21.04	29.64	111.91	8.38	5.74	8.19	#REF!
2016/12/27	MF	US1	15:57	T	0.9	308.2	0.49	21.01	29.64	113.01	8.47	5.54	8.2	#REF!
2016/12/27	MF	US1	15:58	B	7	52.8	0.51	21.05	29.65	112	8.39	6.14	8.19	#REF!
2016/12/27	MF	US1	15:58	M	4.4	198.8	0.14	21.03	29.64	112.2	8.41	5.54	8.19	#REF!
2016/12/27	MF	US1	15:59	T	1	278.3	0.42	21.02	29.64	113.2	8.48	5.04	8.2	#REF!
2016/12/27	MF	DS1	16:03	B	6.9	246.3	0.73	21.15	29.81	106.2	7.93	20.61	8.14	#REF!
2016/12/27	MF	DS1	16:03	M	4.6	289.4	0.74	21.09	29.69	107.3	8.03	13.32	8.17	#REF!

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2016/12/27	MF	DS1	16:04	T	1.1	308.5	0.64	21.05	29.66	110	8.24	6.74	8.17	#REF!
2016/12/27	MF	DS1	16:04	B	7.4	276.1	0.3	21.15	29.8	106.3	7.94	17.81	8.13	#REF!
2016/12/27	MF	DS1	16:05	M	4.2	263.8	0.79	21.07	29.67	108.69	8.13	13.62	8.17	#REF!
2016/12/27	MF	DS1	16:05	T	1	291.5	0.53	21.06	29.66	110.29	8.26	10.43	8.17	#REF!
2016/12/27	MF	DS2	16:12	B	7.2	214.8	0.17	21.17	29.87	104.49	7.8	12.33	8.14	#REF!
2016/12/27	MF	DS2	16:12	M	4.3	358.3	0.3	21.12	29.76	104.79	7.83	10.73	8.16	#REF!
2016/12/27	MF	DS2	16:13	T	1	326.9	0.73	21.02	29.63	109.78	8.23	7.74	8.18	#REF!
2016/12/27	MF	DS2	16:14	B	7	31	0.62	21.17	29.88	104.48	7.8	14.52	8.12	#REF!
2016/12/27	MF	DS2	16:14	M	4.3	291.8	0.5	21.12	29.76	103.48	7.73	11.63	8.15	#REF!
2016/12/27	MF	DS2	16:15	T	1	326.9	0.73	21.05	29.68	108.58	8.13	7.93	8.18	#REF!
2016/12/27	MF	DS3	16:19	B	7.2	25.8	0.13	21.1	29.74	107.67	8.05	7.54	8.16	#REF!
2016/12/27	MF	DS3	16:20	M	4.4	274.6	0.6	21.07	29.71	107.67	8.06	7.74	8.17	#REF!
2016/12/27	MF	DS3	16:20	T	0.9	333.7	0.61	21.03	29.67	109.17	8.18	7.44	8.18	#REF!
2016/12/27	MF	DS3	16:21	B	7.1	109.2	0.51	21.11	29.75	107.37	8.03	7.34	8.16	#REF!
2016/12/27	MF	DS3	16:22	M	4.6	343	1.01	21.08	29.71	107.67	8.05	8.13	8.17	#REF!
2016/12/27	MF	DS3	16:22	T	1	234.2	0.97	21.03	29.68	109.46	8.2	7.24	8.18	#REF!
2016/12/27	MF	DS4	16:26	B	7	282.4	0.28	21.01	29.4	110.06	8.26	8.83	8.18	#REF!
2016/12/27	MF	DS4	16:26	M	4.3	289.9	1.05	21.01	29.4	109.86	8.24	8.53	8.18	#REF!
2016/12/27	MF	DS4	16:27	T	1.2	237	0.28	20.79	28.86	111.45	8.42	4.74	8.18	#REF!
2016/12/27	MF	DS4	16:27	B	7.2	269.9	0.51	21.02	29.42	110.25	8.27	9.33	8.18	#REF!
2016/12/27	MF	DS4	16:28	M	4.2	291.9	1.25	21.01	29.41	110.25	8.27	8.53	8.18	#REF!
2016/12/27	MF	DS4	16:28	T	1.1	284.3	1.15	20.85	28.97	111.55	8.42	5.34	8.18	#REF!
2016/12/27	MF	DS5	16:32	B	8.5	331.5	0.25	20.95	29.26	108.85	8.18	8.63	8.18	#REF!
2016/12/27	MF	DS5	16:33	M	5.2	241.7	0.24	20.78	28.65	108.75	8.23	6.24	8.16	#REF!
2016/12/27	MF	DS5	16:33	T	1.3	335.6	0.69	20.75	28.59	109.14	8.27	5.34	8.16	#REF!
2016/12/27	MF	DS5	16:34	B	8.1	345.9	0.68	20.95	29.27	108.94	8.19	8.63	8.18	#REF!