

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)
2015/11/02	MF	MW1	0.452697	B	19.1	44.5	0.16	26.63	30.38	87.83	5.94	9.76	7.84	11.8
2015/11/02	MF	MW1	0.45338	M	10.6	66.5	0.14	26.6	29.56	88.43	6.01	5.87	7.89	6.1
2015/11/02	MF	MW1	0.454039	T	1	261.5	0.68	26.36	27.43	89.03	6.15	2.97	7.9	8.3
2015/11/02	MF	MW1	0.45478	B	18.9	108	0.38	26.63	30.37	87.63	5.93	10.26	7.98	11.6
2015/11/02	MF	MW1	0.455764	M	10.5	49.1	0.2	26.59	29.44	88.44	6.02	4.87	7.99	6.0
2015/11/02	MF	MW1	0.456447	T	1.2	339.5	0.12	26.39	27.61	89.44	6.17	3.27	7.97	8.4
2015/11/02	MF	DS1	0.49581	B	8.1	14.1	0.32	26.79	28.89	91.18	6.2	7.37	7.98	10.6
2015/11/02	MF	DS1	0.496343	M	4.8	277.6	0.87	26.73	28.58	88.68	6.05	8.06	7.98	9.1
2015/11/02	MF	DS1	0.496771	T	1.1	297.9	0.26	26.61	27.99	90.19	6.18	5.77	7.98	7.1
2015/11/02	MF	DS1	0.497245	B	7.9	314.2	0.46	26.81	28.96	87.78	5.97	8.16	7.98	11.3
2015/11/02	MF	DS1	0.497963	M	5	249.5	0.65	26.76	28.71	87.79	5.98	9.56	7.98	9.2
2015/11/02	MF	DS1	0.498495	T	1.1	261.2	0.81	26.67	28.19	89.49	6.12	6.37	7.99	6.8
2015/11/02	MF	DS2	0.501563	B	8.2	257.7	0.39	26.85	29.21	89.5	6.07	12.06	7.97	11.2
2015/11/02	MF	DS2	0.502639	M	4.9	251	0.61	26.8	28.87	87.8	5.97	7.47	7.98	12.4
2015/11/02	MF	DS2	0.503009	T	1.2	244.9	0.43	26.65	27.99	89.51	6.13	5.57	7.98	10.1
2015/11/02	MF	DS2	0.503519	B	8.1	290.6	0.27	26.86	29.24	87.3	5.92	11.16	7.98	11.5
2015/11/02	MF	DS2	0.504167	M	5.2	258.6	0.57	26.82	28.98	87.41	5.94	9.36	7.98	11.7
2015/11/02	MF	DS2	0.504861	T	1.2	274.9	0.73	26.71	28.31	89.71	6.13	5.27	7.99	10.1
2015/11/02	MF	DS3	0.508218	B	21	247.1	0.48	26.84	29.25	86.92	5.89	12.06	7.96	15.1
2015/11/02	MF	DS3	0.509225	M	11.1	294.2	0.35	26.74	28.64	88.13	6.01	8.16	7.97	11.1
2015/11/02	MF	DS3	0.509873	T	1.1	226.3	0.82	26.48	27.14	91.84	6.34	2.97	7.97	5.4
2015/11/02	MF	DS3	0.510475	B	21.2	233.5	0.75	26.84	29.16	87.13	5.91	9.36	7.97	14.3
2015/11/02	MF	DS3	0.511192	M	12.1	16.7	0.24	26.78	28.83	87.83	5.98	8.26	7.97	11.2
2015/11/02	MF	DS3	0.511794	T	1	301.9	0.87	26.5	27.16	91.84	6.34	3.07	7.97	5.6
2015/11/02	MF	DS4	0.514826	B	10	307.2	0.72	26.78	28.94	90.85	6.18	7.37	7.96	12.6
2015/11/02	MF	DS4	0.515301	M	6.1	263.9	0.66	26.71	28.49	89.85	6.13	5.07	7.96	6.4
2015/11/02	MF	DS4	0.515972	T	1.3	265.2	0.87	26.57	27.44	92.36	6.36	2.68	7.96	4.0
2015/11/02	MF	DS4	0.516493	B	9.9	289.2	0.42	26.78	28.94	88.75	6.03	9.76	7.97	13.1
2015/11/02	MF	DS4	0.517014	M	6.1	274.4	0.87	26.68	28.25	89.46	6.12	4.47	7.97	6.6
2015/11/02	MF	DS4	0.517627	T	1.1	274.3	0.83	26.6	27.59	91.47	6.29	2.97	7.96	4.0
2015/11/02	MF	DS5	0.520833	B	10.1	289	0.82	26.66	28.31	90.98	6.22	6.47	7.94	6.4
2015/11/02	MF	DS5	0.521331	M	6.2	318	0.76	26.52	27.33	92.18	6.35	3.07	7.94	3.2
2015/11/02	MF	DS5	0.521829	T	1.1	278.5	0.77	26.51	27.23	93.39	6.44	2.58	7.95	6.3
2015/11/02	MF	DS5	0.522454	B	10	298.7	0.5	26.71	28.52	89.58	6.11	4.97	7.95	6.3
2015/11/02	MF	DS5	0.522986	M	6	327.2	0.78	26.59	27.79	91.08	6.25	3.17	7.96	3.3
2015/11/02	MF	DS5	0.523611	T	1	282.5	0.65	26.51	27.2	93.59	6.46	2.48	7.96	6.5
2015/11/02	MF	US1	0.533345	B	8.2	162.2	0.42	26.74	28.81	95.84	6.53	6.07	7.94	44.2
2015/11/02	MF	US1	0.534109	M	4.8	305.5	0.17	26.43	27.2	92.53	6.39	4.67	7.94	7.8
2015/11/02	MF	US1	0.534688	T	1.2	273.9	0.7	26.4	26.77	93.84	6.5	3.47	7.94	6.6
2015/11/02	MF	US1	0.535243	B	8	236.6	0.44	26.73	28.83	90.02	6.13	10.16	7.94	43.6
2015/11/02	MF	US1	0.53581	M	4.9	306.8	0.54	26.46	27.37	91.33	6.3	4.47	7.94	7.8
2015/11/02	MF	US1	0.536528	T	1.1	273	0.45	26.4	26.81	93.64	6.49	3.47	7.94	6.6
2015/11/02	MF	US2	0.539803	B	6.1	275.6	0.35	26.5	27.57	91.04	6.27	5.37	7.93	5.9
2015/11/02	MF	US2	0.540359	M	4.1	237.6	0.36	26.48	27.39	91.45	6.3	5.27	7.93	6.6
2015/11/02	MF	US2	0.540984	T	1	235.9	0.59	26.42	26.71	94.16	6.52	3.17	7.94	4.4
2015/11/02	MF	US2	0.541539	B	6	273.3	0.33	26.49	27.51	90.95	6.26	4.37	7.93	5.7
2015/11/02	MF	US2	0.541956	M	4.1	261.2	0.64	26.47	27.34	91.45	6.31	4.77	7.94	6.4
2015/11/02	MF	US2	0.542523	T	1	280.8	0.79	26.43	26.59	94.07	6.52	3.17	7.94	4.3
2015/11/02	ME	US1	0.679884	B	9.1	324.5	0.32	26.74	29.67	89.48	6.06	7.57	7.92	9.7
2015/11/02	ME	US1	0.680266	M	5.4	210.2	0.06	26.77	29.4	87.58	5.94	6.77	7.92	12.5
2015/11/02	ME	US1	0.680671	T	0.9	20.3	0.09	26.57	27.82	90.97	6.25	4.27	7.92	8.8
2015/11/02	ME	US1	0.681204	B	8.9	295.9	0.23	26.78	29.48	87.37	5.92	6.47	7.93	9.6
2015/11/02	ME	US1	0.681748	M	5.4	301.1	0.21	26.72	28.96	87.96	5.99	5.37	7.93	13.2
2015/11/02	ME	US1	0.682222	T	0.9	324.9	0.15	26.57	27.65	92.45	6.35	3.47	7.93	8.7
2015/11/02	ME	US2	0.6886	B	8.1	339.1	0.29	26.73	29.34	92.69	6.29	6.27	7.92	11.9
2015/11/02	ME	US2	0.689051	M	4.9	51.7	0.19	26.58	27.99	90.69	6.22	4.17	7.92	8.2
2015/11/02	ME	US2	0.689792	T	0.8	307	0.36	26.53	27.46	93.78	6.46	3.37	7.93	10.9
2015/11/02	ME	US2	0.690359	B	7.9	300.5	0.51	26.7	28.95	88.68	6.04	5.07	7.93	11.8

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2015/11/02	ME	US2	0.690856	M	5	60.3	0.32	26.58	28	90.37	6.2	3.97	7.93	8.6
2015/11/02	ME	US2	0.691331	T	1.1	356.5	0.21	26.53	27.47	93.16	6.41	3.57	7.94	11.5
2015/11/02	ME	DS1	0.695938	B	6.9	255.1	0.39	26.78	29.65	88.83	6.02	7.76	7.93	10.0
2015/11/02	ME	DS1	0.696377	M	4.3	82.9	0.37	26.78	29.56	87.43	5.92	6.87	7.94	10.8
2015/11/02	ME	DS1	0.696852	T	1.1	349.3	0.19	26.62	28.24	89.52	6.13	4.77	7.93	8.8
2015/11/02	ME	DS1	0.697326	B	6.9	31.3	0.5	26.78	29.64	87.32	5.91	6.87	7.94	9.7
2015/11/02	ME	DS1	0.697928	M	4.6	260.2	0.5	26.74	29.4	87.72	5.95	6.17	7.94	10.4
2015/11/02	ME	DS1	0.6986	T	1	65.7	0.06	26.6	28.02	90.5	6.2	4.27	7.94	8.6
2015/11/02	ME	DS2	0.701875	B	7	99.5	0.3	26.69	29.9	87.98	5.96	9.86	7.95	9.8
2015/11/02	ME	DS2	0.702407	M	4.5	49.5	0.18	26.64	28.69	88.67	6.05	5.77	7.94	7.5
2015/11/02	ME	DS2	0.702905	T	1	64.2	0.35	26.63	28.46	88.17	6.03	5.97	7.92	4.7
2015/11/02	ME	DS2	0.703368	B	6.9	18.1	0.1	26.7	29.91	87.27	5.91	9.66	7.95	10.5
2015/11/02	ME	DS2	0.70397	M	4.6	52	0.33	26.65	28.76	88.16	6.01	6.17	7.93	7.7
2015/11/02	ME	DS2	0.704433	T	0.8	66.8	0.18	26.61	28.24	88.85	6.08	5.47	7.93	4.5
2015/11/02	ME	DS3	0.707616	B	6.9	301.7	0.49	26.69	29.31	91.81	6.24	7.47	7.93	6.9
2015/11/02	ME	DS3	0.708137	M	4.4	333.7	0.6	26.65	28.66	87.92	6	7.07	7.92	6.5
2015/11/02	ME	DS3	0.708623	T	0.9	139.9	0.34	26.6	28.05	89.21	6.12	5.27	7.92	4.5
2015/11/02	ME	DS3	0.709201	B	6.8	63.7	0.3	26.69	29.16	87.51	5.95	7.57	7.94	6.9
2015/11/02	ME	DS3	0.709722	M	4.4	352.9	0.21	26.59	27.83	90.2	6.19	4.57	7.93	6.6
2015/11/02	ME	DS3	0.710417	T	1	12.1	0.55	26.49	27.28	92.98	6.41	3.57	7.93	4.5
2015/11/02	ME	DS4	0.713762	B	6.8	134	0.04	26.66	28.82	90.16	6.15	7.17	7.92	10.0
2015/11/02	ME	DS4	0.714306	M	4.5	105.6	0.18	26.62	28.39	87.87	6.01	6.47	7.91	8.4
2015/11/02	ME	DS4	0.714803	T	1	75.7	0.78	26.46	27.18	92.94	6.42	3.67	7.93	5.6
2015/11/02	ME	DS4	0.715347	B	7.1	26.9	0.15	26.69	28.99	87.66	5.97	7.86	7.93	10.4
2015/11/02	ME	DS4	0.71588	M	4.4	109.3	0.35	26.62	28.33	87.45	5.98	6.47	7.92	8.1
2015/11/02	ME	DS4	0.716389	T	0.9	102.3	0.5	26.42	27.03	93.22	6.45	3.37	7.93	5.4
2015/11/02	ME	DS5	0.719699	B	9.1	123.2	0.17	26.63	28.56	88.91	6.07	7.67	7.9	10.1
2015/11/02	ME	DS5	0.720208	M	5.5	117.8	0.45	26.6	28.04	88.61	6.07	6.17	7.91	5.3
2015/11/02	ME	DS5	0.720694	T	0.7	40.4	0.23	26.37	26.64	90.29	6.26	4.77	7.92	4.9
2015/11/02	ME	DS5	0.721331	B	8.9	159.4	0.06	26.64	28.57	87.4	5.97	7.86	7.91	9.6
2015/11/02	ME	DS5	0.721725	M	5.4	299.7	0.17	26.62	28.25	87.3	5.98	6.77	7.91	5.2
2015/11/02	ME	DS5	0.722234	T	1.1	115.8	0.46	26.28	26.57	93.86	6.52	3.37	7.93	4.7
2015/11/02	ME	MW1	0.752361	B	18.9	7.6	0.21	26.68	30.58	89.7	6.05	4.57	7.95	7.0
2015/11/02	ME	MW1	0.752975	M	10.4	106	0.11	26.68	30.55	89.2	6.02	4.17	7.96	5.1
2015/11/02	ME	MW1	0.753692	T	0.9	86.5	0.44	26.52	29.39	91.87	6.26	3.57	7.95	4.8
2015/11/02	ME	MW1	0.754271	B	19	345.8	0.2	26.68	30.56	88.6	5.98	4.37	7.96	7.0
2015/11/02	ME	MW1	0.754861	M	10.6	141.9	0.29	26.67	30.47	88.89	6	4.37	7.96	5.1
2015/11/02	ME	MW1	0.75559	T	1	49.5	0.55	26.49	29.4	91.46	6.23	3.37	7.95	4.6