

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)
2015/11/06	ME	MW1	0.338333	B	18.9	316.2	0.11	26.36	30.52	87.71	5.95	2.58	7.78	4.7
2015/11/06	ME	MW1	0.338924	M	10.4	92.9	0.53	26.34	30.37	88.5	6.01	2.38	7.81	6.4
2015/11/06	ME	MW1	0.33963	T	1.1	76.1	0.56	26.3	30.06	90.39	6.16	1.78	7.83	6.6
2015/11/06	ME	MW1	0.340231	B	19.2	133.4	0.21	26.35	30.47	87.59	5.95	2.48	7.84	4.4
2015/11/06	ME	MW1	0.340856	M	10.5	11.2	0.31	26.35	30.48	87.78	5.96	2.48	7.85	6.0
2015/11/06	ME	MW1	0.341493	T	1.1	77.5	0.6	26.23	29.82	91.67	6.26	1.68	7.87	0.0
2015/11/06	ME	US1	0.383947	B	8.9	123.7	0.47	26.3	29.32	92.38	6.32	3.37	7.95	2.4
2015/11/06	ME	US1	0.384502	M	5.6	95.8	0.57	26.3	28.8	93.87	6.44	1.88	7.95	3.8
2015/11/06	ME	US1	0.385069	T	1	143.7	0.31	26.37	28.48	95.55	6.56	1.28	7.95	4.3
2015/11/06	ME	US1	0.38566	B	8.9	112.1	0.4	26.29	29.25	91.77	6.28	3.07	7.95	2.4
2015/11/06	ME	US1	0.386123	M	5.4	121.2	0.57	26.29	28.83	93.75	6.43	1.68	7.96	3.6
2015/11/06	ME	US1	0.386806	T	1	184.2	0.9	26.38	28.47	95.63	6.56	1.38	7.95	4.6
2015/11/06	ME	US2	0.389965	B	8	126.7	0.67	26.3	29.38	91.62	6.27	3.27	7.95	4.4
2015/11/06	ME	US2	0.390405	M	4.6	115.5	0.36	26.38	28.46	91.22	6.26	3.17	7.95	2.6
2015/11/06	ME	US2	0.390972	T	1.1	240.5	0.57	26.46	27.86	96.17	6.62	1.28	7.94	4.6
2015/11/06	ME	US2	0.39147	B	8.2	68.6	0.12	26.32	29.45	91.01	6.22	3.47	7.95	4.5
2015/11/06	ME	US2	0.391875	M	4.9	143.7	0.36	26.3	28.7	93.29	6.4	1.98	7.96	2.6
2015/11/06	ME	US2	0.392396	T	1.1	117.7	0.79	26.47	27.85	96.06	6.61	1.38	7.94	4.6
2015/11/06	ME	DS1	0.396736	B	6.9	153.9	0.16	26.25	28.99	94.52	6.48	1.68	7.96	3.4
2015/11/06	ME	DS1	0.397245	M	4.6	76.3	0.41	26.27	28.88	94.61	6.49	1.48	7.96	4.9
2015/11/06	ME	DS1	0.397905	T	1.2	115.1	0.62	26.38	28.51	95.8	6.57	1.28	7.95	3.9
2015/11/06	ME	DS1	0.398438	B	7.3	106.8	0.7	26.26	28.97	94.4	6.47	1.48	7.97	3.5
2015/11/06	ME	DS1	0.398924	M	4.5	238.1	0.13	26.29	28.8	94.79	6.5	1.58	7.96	4.6
2015/11/06	ME	DS1	0.399433	T	1.1	125.8	0.67	26.38	28.5	95.78	6.57	1.28	7.96	3.9
2015/11/06	ME	DS2	0.402535	B	5.7	71.4	0.4	26.26	29.12	92.67	6.35	3.77	7.96	3.6
2015/11/06	ME	DS2	0.403056	M	4.1	101.4	0.31	26.24	29.05	94.15	6.46	1.78	7.96	2.6
2015/11/06	ME	DS2	0.403588	T	0.9	136.4	0.71	26.25	29.05	94.54	6.48	1.78	7.97	6.3
2015/11/06	ME	DS2	0.404502	B	5.8	112.5	0.34	26.24	29.04	94.03	6.45	1.78	7.97	3.6
2015/11/06	ME	DS2	0.405012	M	3.6	79.3	0.54	26.25	29.03	94.32	6.47	1.58	7.97	2.7
2015/11/06	ME	DS2	0.405579	T	1.1	78.2	0.34	26.25	29.03	94.62	6.49	2.28	7.97	6.1
2015/11/06	ME	DS3	0.408854	B	5.9	43.2	0.27	26.23	29.07	91.11	6.25	3.57	7.96	9.1
2015/11/06	ME	DS3	0.409352	M	4.2	103	0.35	26.21	29	93.48	6.42	1.88	7.96	2.6
2015/11/06	ME	DS3	0.409907	T	1	165.9	0.48	26.2	28.97	93.87	6.44	1.88	7.96	5.3
2015/11/06	ME	DS3	0.41044	B	5.9	107.3	0.25	26.23	29.06	92.68	6.36	2.18	7.95	8.7
2015/11/06	ME	DS3	0.410972	M	4	65.6	0.75	26.2	28.97	93.27	6.4	1.68	7.96	2.7
2015/11/06	ME	DS3	0.411435	T	1.3	59.3	0.28	26.2	28.96	93.66	6.43	1.48	7.95	5.5
2015/11/06	ME	DS4	0.414688	B	7	77.8	0.49	26.31	29.44	89.56	6.12	4.97	7.94	5.9
2015/11/06	ME	DS4	0.415266	M	4.6	66	0.52	26.2	28.97	92.62	6.36	2.28	7.95	4.4
2015/11/06	ME	DS4	0.415972	T	1	102.9	0.44	26.2	28.96	93.31	6.41	1.68	7.95	3.3
2015/11/06	ME	DS4	0.416516	B	6.9	110	0.43	26.3	29.36	89.94	6.15	4.37	7.94	6.1
2015/11/06	ME	DS4	0.417014	M	4.4	118.8	0.3	26.2	28.98	92.41	6.34	1.98	7.95	4.5
2015/11/06	ME	DS4	0.417558	T	1.1	93.4	0.27	26.21	28.95	93.39	6.41	1.88	7.96	3.2
2015/11/06	ME	DS5	0.421389	B	9	107.6	0.32	26.31	29.59	86.62	5.92	7.67	7.94	9.7
2015/11/06	ME	DS5	0.421921	M	5.5	58.1	0.5	26.27	29.22	88.69	6.07	3.77	7.95	4.9
2015/11/06	ME	DS5	0.422373	T	1.2	349.3	0.22	26.23	29.04	92.35	6.33	1.98	7.96	2.4
2015/11/06	ME	DS5	0.422963	B	9	80.3	0.1	26.31	29.59	87.1	5.95	7.47	7.94	9.9
2015/11/06	ME	DS5	0.423611	M	5.8	154.6	0.38	26.27	29.31	90.55	6.2	3.07	7.95	4.8
2015/11/06	ME	DS5	0.424306	T	1	121.8	0.65	26.24	29.04	92.72	6.36	2.08	7.96	2.3
2015/11/06	MF	DS1	0.621782	B	7.7	274.2	0.52	26.39	29.08	95.78	6.55	4.97	7.82	5.8
2015/11/06	MF	DS1	0.622222	M	5	236.7	0.51	26.49	28.83	94.38	6.45	3.27	7.82	6.5
2015/11/06	MF	DS1	0.622905	T	1.4	262	0.49	26.79	27.84	100.76	6.89	1.38	7.83	3.7
2015/11/06	MF	DS1	0.623426	B	8.4	206.5	0.52	26.33	29.37	91.78	6.27	6.87	7.83	5.8
2015/11/06	MF	DS1	0.623877	M	5	252.8	0.61	26.49	28.81	94.07	6.43	3.67	7.84	6.3
2015/11/06	MF	DS1	0.624433	T	1.1	307.9	0.25	26.79	27.85	99.75	6.82	1.58	7.85	3.7
2015/11/06	MF	DS2	0.627685	B	8.2	259.1	0.4	26.34	29.41	91.24	6.23	9.36	7.87	8.1
2015/11/06	MF	DS2	0.628229	M	4.8	289.5	0.19	26.35	29.08	91.34	6.25	5.57	7.88	6.8
2015/11/06	MF	DS2	0.628819	T	0.8	234.2	0.49	26.77	27.82	100.01	6.84	1.48	7.89	3.1
2015/11/06	MF	DS2	0.629259	B	8.4	274.7	0.5	26.35	29.42	92.13	6.29	6.67	7.88	8.3

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2015/11/06	MF	DS2	0.629942	M	5.2	262.1	0.9	26.35	29.04	93.02	6.37	4.47	7.89	6.4
2015/11/06	MF	DS2	0.630417	T	1.2	326	0.65	26.77	27.8	99.39	6.8	1.98	7.89	3.0
2015/11/06	MF	DS3	0.633935	B	19.3	260.6	0.7	26.39	29.24	90.29	6.17	5.47	7.89	3.1
2015/11/06	MF	DS3	0.634525	M	10.7	262.1	0.5	26.44	28.89	92.88	6.35	3.57	7.9	10.6
2015/11/06	MF	DS3	0.635255	T	1.1	263.9	0.79	26.77	27.71	100.54	6.89	1.48	7.91	3.4
2015/11/06	MF	DS3	0.636319	B	19	305.5	0.68	26.42	29.25	90.27	6.16	4.97	7.9	3.4
2015/11/06	MF	DS3	0.63684	M	10.6	29.2	0.15	26.46	28.94	92.16	6.3	3.47	7.91	11.1
2015/11/06	MF	DS3	0.6375	T	1.1	296.1	0.66	26.76	27.75	100.02	6.85	1.58	7.92	3.4
2015/11/06	MF	DS4	0.640706	B	10.3	259.4	0.57	26.38	29.32	92.82	6.34	6.57	7.91	7.4
2015/11/06	MF	DS4	0.641539	M	6	246	0.09	26.46	29.05	92.12	6.29	4.17	7.92	6.7
2015/11/06	MF	DS4	0.642199	T	1.2	291.9	0.55	26.77	27.74	100.57	6.89	1.48	7.93	6.0
2015/11/06	MF	DS4	0.642755	B	10.2	283.6	0.69	26.39	29.38	90.71	6.19	5.97	7.91	7.3
2015/11/06	MF	DS4	0.643264	M	6.1	92.1	0.33	26.44	29.12	91.01	6.22	4.67	7.92	6.6
2015/11/06	MF	DS4	0.643831	T	1.1	320.5	0.68	26.71	28	99.07	6.78	1.88	7.93	6.1
2015/11/06	MF	DS5	0.647234	B	10	323	0.4	26.4	29.41	89.68	6.12	8.16	7.91	3.2
2015/11/06	MF	DS5	0.647998	M	6	303.6	0.52	26.54	28.73	93.85	6.41	2.58	7.93	3.3
2015/11/06	MF	DS5	0.648704	T	0.9	300.3	0.52	26.68	27.93	99.42	6.81	1.58	7.94	2.0
2015/11/06	MF	DS5	0.649271	B	10	331.7	0.46	26.4	29.4	90.06	6.15	7.37	7.92	3.2
2015/11/06	MF	DS5	0.64978	M	6.1	310.4	0.42	26.49	28.95	91.64	6.26	3.67	7.93	3.4
2015/11/06	MF	DS5	0.650289	T	1.3	265.6	0.75	26.74	27.82	99.7	6.83	1.48	7.94	1.0
2015/11/06	MF	US1	0.660694	B	7.2	259.5	0.6	26.39	29.5	91.55	6.25	12.06	7.92	12.7
2015/11/06	MF	US1	0.661181	M	4.6	265.1	0.83	26.42	29.36	92.24	6.3	8.56	7.93	10.3
2015/11/06	MF	US1	0.661829	T	1.2	249.1	0.46	26.52	29.15	99.09	6.76	4.57	7.95	6.0
2015/11/06	MF	US1	0.662396	B	7	277	0.39	26.39	29.48	91.63	6.25	10.66	7.93	12.4
2015/11/06	MF	US1	0.662813	M	4.6	260.5	0.42	26.42	29.38	92.03	6.28	8.46	7.93	10.2
2015/11/06	MF	US1	0.663322	T	1.2	272.1	0.36	26.54	29.12	98.68	6.73	4.17	7.95	5.8
2015/11/06	MF	US2	0.668935	B	6.1	299.6	0.16	26.48	29.23	96.84	6.61	15.15	7.95	19.3
2015/11/06	MF	US2	0.669387	M	4.2	266.6	0.59	26.47	29.24	96.74	6.6	11.16	7.95	13.4
2015/11/06	MF	US2	0.670359	T	1.2	295	0.55	26.49	29.12	98.22	6.7	4.17	7.94	11.8
2015/11/06	MF	US2	0.670914	B	6.2	265.8	0.4	26.46	29.27	96.52	6.59	10.06	7.94	19.5
2015/11/06	MF	US2	0.671563	M	4.2	295	0.42	26.46	29.26	96.71	6.6	7.57	7.94	13.2
2015/11/06	MF	US2	0.672211	T	1.1	298.2	0.51	26.44	29.24	97.11	6.63	5.77	7.94	11.6
2015/11/06	MF	MW1	0.711088	B	19	248.8	0.08	26.4	30.92	85.86	5.81	8.36	7.94	8.2
2015/11/06	MF	MW1	0.711771	M	10.6	149.9	0.32	26.4	30.78	87.04	5.9	5.97	7.94	9.2
2015/11/06	MF	MW1	0.712338	T	1	99.5	0.24	26.39	30.38	89.41	6.07	3.07	7.94	3.8
2015/11/06	MF	MW1	0.712951	B	19.1	193	0.04	26.39	30.98	85.95	5.82	8.66	7.93	8.1
2015/11/06	MF	MW1	0.713542	M	10.5	66	0.09	26.4	30.78	86.63	5.87	7.27	7.94	9.3
2015/11/06	MF	MW1	0.714074	T	1	67.5	0.51	26.39	30.4	89.2	6.06	3.27	7.94	3.9