

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)
2015/10/28	ME	MW1	0.495891	B	19.3	41.4	0.35	27.16	29.05	90.55	6.11	9.06	7.87	9.6
2015/10/28	ME	MW1	0.496481	M	10.2	70.9	0.67	27.31	28.56	92.24	6.23	5.57	7.88	10.2
2015/10/28	ME	MW1	0.497083	T	0.9	95.8	0.6	27.35	28.52	94.33	6.37	3.97	7.89	7.4
2015/10/28	ME	MW1	0.497697	B	18.9	44.7	0.73	27.21	28.88	91.33	6.17	7.86	7.89	9.7
2015/10/28	ME	MW1	0.498241	M	10.2	26.6	0.97	27.21	28.9	91.62	6.19	6.57	7.9	10.3
2015/10/28	ME	MW1	0.498889	T	1	60.8	0.51	27.32	28.5	94.01	6.35	4.37	7.91	7.5
2015/10/28	ME	US1	0.555058	B	8	112.9	0.7	27.33	26.46	93.35	6.38	61.16	7.93	41.1
2015/10/28	ME	US1	0.555648	M	4.9	91.1	0.58	27.36	26.31	93.24	6.37	55.47	7.92	35.5
2015/10/28	ME	US1	0.55564	T	0.9	99.9	0.62	27.55	25.64	94.53	6.46	14.65	7.91	22.1
2015/10/28	ME	US1	0.556898	B	8.1	68	0.68	27.34	26.42	93.03	6.36	62.46	7.93	38.7
2015/10/28	ME	US1	0.557674	M	5	113.1	0.57	27.38	26.2	93.03	6.36	42.69	7.92	35.6
2015/10/28	ME	US1	0.558299	T	1	124.8	0.69	27.66	25.37	95	6.49	9.56	7.91	22.5
2015/10/28	ME	US1	0.55897	B	8	74.2	0.39	27.35	26.37	92.91	6.35	63.65	7.93	-
2015/10/28	ME	US1	0.559468	M	5	135.1	0.87	27.39	26.17	93.01	6.36	54.17	7.92	-
2015/10/28	ME	US1	0.560012	T	1	96.6	0.77	27.67	25.41	94.99	6.49	12.85	7.91	-
2015/10/28	ME	US2	0.563773	B	7.9	73	0.63	27.41	26.17	93.36	6.38	33.01	7.91	39.1
2015/10/28	ME	US2	0.564132	M	4.8	89	0.71	27.56	25.67	93.16	6.37	17.55	7.89	25.3
2015/10/28	ME	US2	0.564688	T	1	122.2	1.27	27.86	24.77	94.25	6.44	5.57	7.86	14.0
2015/10/28	ME	US2	0.565162	B	8.2	126.3	0.46	27.38	26.22	92.65	6.33	35.91	7.91	40.6
2015/10/28	ME	US2	0.565764	M	5.1	131.7	0.84	27.53	25.74	92.65	6.33	14.85	7.89	24.9
2015/10/28	ME	US2	0.566262	T	0.9	125.2	0.97	27.95	24.57	94.33	6.45	5.77	7.86	14.7
2015/10/28	ME	US2	0.566782	B	7.9	79.9	0.28	27.41	26.14	92.54	6.32	33.61	7.91	-
2015/10/28	ME	US2	0.567292	M	5.1	100.8	1.06	27.52	25.72	92.53	6.33	16.65	7.89	-
2015/10/28	ME	US2	0.567755	T	1.1	86.2	0.79	28.04	24.25	94.31	6.45	6.37	7.85	-
2015/10/28	ME	DS1	0.57294	B	7.3	107.7	0.73	27.37	26.19	93.87	6.42	44.99	7.92	31.9
2015/10/28	ME	DS1	0.573472	M	4.5	142.7	0.44	27.52	25.83	94.16	6.43	23.03	7.91	27.1
2015/10/28	ME	DS1	0.573993	T	1.2	86.8	0.7	27.83	24.96	95.14	6.5	7.37	7.88	8.5
2015/10/28	ME	DS1	0.574514	B	7.1	105.1	0.56	27.37	26.26	92.86	6.35	39.8	7.92	32.1
2015/10/28	ME	DS1	0.575185	M	4.5	100.7	0.85	27.53	25.73	93.25	6.37	21.04	7.9	26.4
2015/10/28	ME	DS1	0.575706	T	1	132.6	1.13	28.13	24.82	95.72	6.51	5.87	7.87	7.8
2015/10/28	ME	DS1	0.576146	B	7.2	116.5	0.64	27.38	26.23	93.04	6.36	40.5	7.91	-
2015/10/28	ME	DS1	0.576678	M	4.5	129.9	1.02	27.48	25.87	93.04	6.36	29.32	7.89	-
2015/10/28	ME	DS1	0.577141	T	1.1	99.5	0.93	28.14	24.75	96	6.53	6.47	7.86	-
2015/10/28	ME	DS2	0.580775	B	5.9	72.5	0.69	27.37	26.25	93.69	6.4	57.07	7.91	40.7
2015/10/28	ME	DS2	0.581308	M	4	91.3	0.63	27.38	26.19	92.99	6.36	42.6	7.91	38.7
2015/10/28	ME	DS2	0.581863	T	0.9	88.7	0.87	27.86	24.94	96.35	6.58	8.46	7.89	9.4
2015/10/28	ME	DS2	0.582326	B	6	105.6	0.82	27.36	26.26	92.98	6.36	71.04	7.91	39.5
2015/10/28	ME	DS2	0.582801	M	4	91	0.75	27.46	25.9	93.37	6.38	31.62	7.9	38.5
2015/10/28	ME	DS2	0.583229	T	1.1	120	1.36	27.94	24.84	95.45	6.51	7.37	7.87	9.2
2015/10/28	ME	DS2	0.583657	B	5.9	94.6	0.4	27.37	26.22	92.87	6.35	58.46	7.91	-
2015/10/28	ME	DS2	0.584132	M	4.1	102.6	0.63	27.44	26	93.06	6.36	29.52	7.9	-
2015/10/28	ME	DS2	0.58456	T	1.1	109.4	0.72	28.06	24.77	95.83	6.53	7.27	7.87	-
2015/10/28	ME	DS3	0.588449	B	6.2	80.9	0.72	27.35	26.33	92.52	6.32	79.62	7.91	32.9
2015/10/28	ME	DS3	0.588993	M	3.9	77.8	0.53	27.39	26.15	92.91	6.35	30.22	7.9	33.6
2015/10/28	ME	DS3	0.589433	T	0.9	76.4	0.89	27.73	25.28	95.48	6.52	9.86	7.88	14.0
2015/10/28	ME	DS3	0.58985	B	6	105.2	0.41	27.36	26.26	92.81	6.34	77.72	7.9	32.7
2015/10/28	ME	DS3	0.590382	M	3.9	90.7	0.62	27.4	26.14	92.9	6.35	28.82	7.9	34.6
2015/10/28	ME	DS3	0.590961	T	1.1	98.4	0.64	27.84	25.12	95.56	6.52	7.17	7.87	13.6
2015/10/28	ME	DS3	0.591655	B	6.1	46.5	0.57	27.36	26.26	92.29	6.31	90.6	7.9	-
2015/10/28	ME	DS3	0.592199	M	3.9	94.8	0.88	27.4	26.13	92.78	6.34	30.42	7.9	-
2015/10/28	ME	DS3	0.592731	T	1.1	138.6	0.65	28	24.76	95.65	6.52	6.27	7.86	-
2015/10/28	ME	DS4	0.596736	B	6.3	94.4	0.4	27.33	26.35	92.44	6.32	56.67	7.89	37.6
2015/10/28	ME	DS4	0.597164	M	3.7	89.3	0.63	27.38	26.2	92.54	6.33	37.21	7.89	34.2
2015/10/28	ME	DS4	0.597708	T	1.3	106.9	0.71	27.9	25.12	97.08	6.62	6.77	7.89	8.8
2015/10/28	ME	DS4	0.59831	B	6	116.1	0.57	27.35	26.28	91.83	6.28	53.37	7.89	39.8
2015/10/28	ME	DS4	0.598854	M	4.3	98.4	0.5	27.37	26.22	92.22	6.3	36.41	7.89	34.6
2015/10/28	ME	DS4	0.599444	T	0.9	69.9	0.6	27.95	25	96.96	6.61	6.67	7.88	9.3
2015/10/28	ME	DS4	0.599884	B	6.1	105.6	0.62	27.33	26.34	92.21	6.3	51.18	7.89	-

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2015/10/28	ME	DS4	0.600289	M	4	105.5	0.65	27.39	26.16	92.31	6.31	33.21	7.89	-
2015/10/28	ME	DS4	0.600891	T	1.1	88.3	0.76	27.91	24.99	95.56	6.52	6.57	7.87	-
2015/10/28	ME	DS5	0.60478	B	9	85	0.47	27.27	26.5	90.78	6.21	69.14	7.88	30.7
2015/10/28	ME	DS5	0.605313	M	5.6	84.2	0.79	27.28	26.43	90.18	6.17	39.5	7.88	35.7
2015/10/28	ME	DS5	0.605799	T	1	117.8	0.94	27.92	25.1	96.99	6.61	7.67	7.88	8.2
2015/10/28	ME	DS5	0.606319	B	9.2	122.7	0.57	27.27	26.5	90.17	6.16	71.34	7.87	30.2
2015/10/28	ME	DS5	0.606863	M	5.6	117.4	0.61	27.3	26.38	90.47	6.19	34.81	7.87	33.7
2015/10/28	ME	DS5	0.607396	T	1.2	92.4	0.55	27.93	25.16	96.78	6.59	6.27	7.88	8.0
2015/10/28	ME	DS5	0.60787	B	9.4	96	0.41	27.27	26.49	90.46	6.18	78.62	7.88	-
2015/10/28	ME	DS5	0.608472	M	5.6	126.9	0.51	27.3	26.39	90.45	6.18	35.11	7.88	-
2015/10/28	ME	DS5	0.609086	T	1	128.5	0.8	27.95	25.11	96.66	6.59	6.97	7.87	-
2015/10/28	MF	DS1	0.730856	B	7.8	242	0.42	27.42	25.92	93.03	6.36	19.74	7.83	32.1
2015/10/28	MF	DS1	0.731319	M	5	261.8	0.19	27.46	25.53	92.12	6.31	16.55	7.82	33.5
2015/10/28	MF	DS1	0.731817	T	1.1	213.4	0.56	27.56	24.83	91.82	6.31	6.67	7.8	14.4
2015/10/28	MF	DS1	0.732442	B	7.9	319.9	0.41	27.42	25.94	91.91	6.29	21.64	7.83	30.9
2015/10/28	MF	DS1	0.73294	M	4.9	242.5	0.22	27.47	25.48	91.7	6.28	15.15	7.82	32.3
2015/10/28	MF	DS1	0.733403	T	1	255.2	0.8	27.53	25	91.5	6.28	7.76	7.8	14.6
2015/10/28	MF	DS2	0.737037	B	8	267.9	0.69	27.43	25.7	92.35	6.32	17.25	7.83	33.1
2015/10/28	MF	DS2	0.737789	M	4.8	249.1	0.35	27.43	25.73	91.64	6.28	17.15	7.83	31.2
2015/10/28	MF	DS2	0.738426	T	1	245.9	0.47	27.51	25.13	91.53	6.28	6.87	7.81	12.0
2015/10/28	MF	DS2	0.738981	B	8.1	299.6	0.63	27.42	25.82	91.33	6.25	19.44	7.82	34.2
2015/10/28	MF	DS2	0.739433	M	4.9	256.7	0.68	27.41	25.85	91.52	6.26	16.85	7.83	31.4
2015/10/28	MF	DS2	0.739919	T	1	275.7	0.92	27.5	25.2	91.51	6.28	8.56	7.8	11.8
2015/10/28	MF	DS3	0.743889	B	18.3	309	0.64	27.45	25.52	90.47	6.2	12.26	7.82	19.1
2015/10/28	MF	DS3	0.744583	M	10.1	270.6	0.56	27.51	24.95	90.66	6.23	6.47	7.8	10.9
2015/10/28	MF	DS3	0.745255	T	0.9	274.9	0.33	27.51	24.36	92.74	6.39	4.17	7.8	9.2
2015/10/28	MF	DS3	0.74588	B	17.1	269.5	0.64	27.45	25.59	90.74	6.22	11.66	7.82	19.6
2015/10/28	MF	DS3	0.746597	M	10.1	289.2	0.43	27.49	24.88	91.33	6.28	5.97	7.8	11.2
2015/10/28	MF	DS3	0.747303	T	1.1	307.6	0.67	27.5	24.81	92.41	6.35	5.27	7.8	9.0
2015/10/28	MF	DS4	0.751111	B	10.2	301.7	0.41	27.31	26.77	89.68	6.12	42	7.83	27.3
2015/10/28	MF	DS4	0.752245	M	6.1	319.2	0.41	27.44	25.65	90.46	6.2	14.15	7.81	16.8
2015/10/28	MF	DS4	0.752882	T	1.1	289	0.56	27.5	24.97	91.05	6.25	7.76	7.8	12.4
2015/10/28	MF	DS4	0.753333	B	10.2	293.1	0.72	27.3	26.89	89.35	6.09	42.1	7.82	26.2
2015/10/28	MF	DS4	0.753889	M	6.2	296.7	1.04	27.47	25.36	90.54	6.21	11.26	7.81	15.9
2015/10/28	MF	DS4	0.75441	T	1.2	301.8	0.53	27.51	24.96	90.83	6.24	6.67	7.8	12.3