

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)
2015/10/14	MF	MW1	0.258669	B	18.2	33.3	0.04	27.03	29.67	79.86	5.39	10.36	7.76	12.4
2015/10/14	MF	MW1	0.259479	M	10.2	56.3	0.5	27.01	29.6	80.36	5.42	9.06	7.8	13.6
2015/10/14	MF	MW1	0.259884	T	0.9	48.5	0.13	26.89	29.17	80.86	5.48	7.37	7.82	9.2
2015/10/14	MF	MW1	0.260579	B	18.1	108.9	0.43	27.04	29.69	79.36	5.35	10.96	7.82	12.3
2015/10/14	MF	MW1	0.260995	M	9.9	87.7	0.27	26.96	29.38	79.96	5.41	7.86	7.82	12.8
2015/10/14	MF	MW1	0.2614	T	1	6.2	0.44	26.89	29.17	81.16	5.5	6.87	7.83	9.0
2015/10/14	MF	DS1	0.304329	B	6.8	273.2	1	26.75	28.05	84.42	5.77	17.65	7.84	36.6
2015/10/14	MF	DS1	0.30485	M	4.8	267.5	0.94	26.73	27.89	82.32	5.64	15.35	7.84	28.4
2015/10/14	MF	DS1	0.305544	T	1	271.1	0.97	26.7	27.79	82.52	5.66	11.96	7.84	14.0
2015/10/14	MF	DS1	0.306238	B	6.9	248.9	0.72	26.78	28.16	81.32	5.55	22.64	7.85	35.0
2015/10/14	MF	DS1	0.306933	M	4.6	290.3	0.96	26.75	28.02	81.72	5.59	16.95	7.85	27.7
2015/10/14	MF	DS1	0.307627	T	0.6	279.8	0.62	26.7	27.78	82.51	5.65	10.16	7.85	13.8
2015/10/14	MF	DS2	0.310995	B	6.8	271	0.61	26.91	28.83	83.1	5.64	23.53	7.84	36.9
2015/10/14	MF	DS2	0.311447	M	4.7	283.1	0.8	26.81	28.32	81.4	5.55	17.84	7.84	31.6
2015/10/14	MF	DS2	0.311852	T	0.9	266.5	0.66	26.67	27.56	82.6	5.67	7.57	7.84	9.7
2015/10/14	MF	DS2	0.312488	B	6.7	285	0.87	26.9	28.77	80.2	5.45	24.23	7.85	37.6
2015/10/14	MF	DS2	0.313183	M	4.4	271.5	1.13	26.83	28.35	80.8	5.51	16.15	7.85	31.5
2015/10/14	MF	DS2	0.313877	T	1	264.3	0.81	26.68	27.59	82.49	5.66	6.17	7.85	10.0
2015/10/14	MF	DS3	0.318391	B	17	287.2	0.59	26.93	28.84	79.89	5.42	20.84	7.84	33.6
2015/10/14	MF	DS3	0.31897	M	10.2	273.4	0.37	26.92	28.68	80.19	5.45	19.24	7.85	12.3
2015/10/14	MF	DS3	0.319433	T	0.8	262.2	0.5	26.68	27.56	81.98	5.63	8.76	7.84	31.0
2015/10/14	MF	DS3	0.320243	B	17.7	272.4	0.71	26.95	28.96	79.48	5.39	24.93	7.85	33.5
2015/10/14	MF	DS3	0.320822	M	9.9	267.5	0.53	26.88	28.55	80.08	5.45	20.54	7.85	12.4
2015/10/14	MF	DS3	0.321296	T	0.9	300	0.92	26.83	28.33	81.38	5.55	14.75	7.85	29.6
2015/10/14	MF	DS4	0.324757	B	9.3	289.2	0.67	26.95	28.9	82.36	5.59	26.43	7.84	33.8
2015/10/14	MF	DS4	0.325104	M	5.5	308.1	0.72	26.86	28.48	81.16	5.53	20.34	7.84	33.6
2015/10/14	MF	DS4	0.325521	T	0.7	286.3	0.7	26.72	27.84	82.16	5.63	9.56	7.84	8.9
2015/10/14	MF	DS4	0.325972	B	9.1	285.1	0.5	26.95	28.94	80.36	5.45	27.53	7.85	33.2
2015/10/14	MF	DS4	0.326331	M	5.3	308.4	0.47	26.86	28.48	80.66	5.49	18.24	7.85	35.8
2015/10/14	MF	DS4	0.326748	T	0.8	301.2	0.72	26.68	27.59	82.26	5.65	7.57	7.85	9.1
2015/10/14	MF	DS5	0.329965	B	9.8	280.5	0.51	26.99	29.11	82.35	5.57	35.21	7.84	42.0
2015/10/14	MF	DS5	0.33037	B	9.9	307	0.72	26.99	29.14	79.65	5.39	45.59	7.84	0.0
2015/10/14	MF	DS5	0.330972	M	6.3	290.7	0.54	26.88	28.53	80.45	5.47	24.73	7.85	31.7
2015/10/14	MF	DS5	0.331528	T	0.8	311.1	0.82	26.72	27.92	82.04	5.62	11.56	7.85	21.6
2015/10/14	MF	DS5	0.332049	B	9.3	297.9	0.69	26.99	29.06	79.65	5.39	40.1	7.85	42.6
2015/10/14	MF	DS5	0.332326	B	9.9	305.8	0.47	26.98	29.07	79.15	5.36	42.6	7.85	0.0
2015/10/14	MF	DS5	0.332708	M	5.8	287.8	0.46	26.86	28.44	80.05	5.45	25.53	7.85	31.0
2015/10/14	MF	DS5	0.33309	T	0.8	295.2	1.13	26.75	27.94	81.54	5.58	11.66	7.85	21.7
2015/10/14	MF	US1	0.345012	B	8.2	285.7	0.07	26.77	28.62	84.79	5.78	23.43	7.85	20.6
2015/10/14	MF	US1	0.345359	M	5	272.5	0.5	26.75	28.58	83.1	5.66	21.14	7.85	29.9
2015/10/14	MF	US1	0.345764	T	1	250.9	0.63	26.73	28.54	83	5.66	17.84	7.85	28.3
2015/10/14	MF	US1	0.346181	B	8.2	301.7	0.27	26.75	28.59	82.3	5.61	22.73	7.85	21.8
2015/10/14	MF	US1	0.346516	M	5.1	231.2	0.66	26.73	28.56	82.4	5.62	21.74	7.86	31.5
2015/10/14	MF	US1	0.346852	T	0.8	279.7	0.43	26.73	28.53	82.69	5.64	18.44	7.86	26.7
2015/10/14	MF	US2	0.350509	B	6.1	285.6	0.56	26.78	28.63	86.67	5.9	22.44	7.85	20.4
2015/10/14	MF	US2	0.350833	M	3.8	279.2	0.56	26.75	28.46	83.08	5.67	19.04	7.85	32.2
2015/10/14	MF	US2	0.351146	T	0.9	275.3	0.56	26.73	28.41	82.68	5.64	15.15	7.85	20.1
2015/10/14	MF	US2	0.351551	B	5.7	271.4	0.61	26.79	28.6	81.78	5.57	25.53	7.85	21.9
2015/10/14	MF	US2	0.352072	M	4.2	277.5	0.51	26.79	28.58	81.58	5.56	23.03	7.84	33.1
2015/10/14	MF	US2	0.352546	T	0.9	292.7	0.36	26.77	28.51	81.88	5.58	14.85	7.84	21.1
2015/10/14	ME	DS1	0.524653	B	6.9	73.6	0.38	26.97	28.97	85.66	5.8	13.45	7.85	29.0
2015/10/14	ME	DS1	0.525035	M	4.3	144	0.62	26.87	28.55	83.36	5.67	8.96	7.86	9.6
2015/10/14	ME	DS1	0.525347	T	1	101	0.75	27.13	27.33	85.16	5.81	8.76	7.85	9.3
2015/10/14	ME	DS1	0.525764	B	6.8	113.2	0.08	26.97	29.01	82.26	5.57	13.45	7.85	28.7
2015/10/14	ME	DS1	0.526262	M	4.7	43.5	0.38	26.83	28.63	81.66	5.56	8.76	7.86	9.4
2015/10/14	ME	DS1	0.52662	T	1	79.9	0.85	27.1	27.32	84.76	5.78	6.27	7.85	8.9
2015/10/14	ME	DS2	0.529907	B	6	122.3	0.47	26.95	28.58	88.35	6	6.27	7.86	8.1
2015/10/14	ME	DS2	0.530243	M	3.8	80.9	0.44	26.98	28.07	85.65	5.83	6.07	7.86	10.3

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2015/10/14	ME	DS2	0.530567	T	0.8	105.4	0.84	27.28	26.89	86.65	5.91	5.47	7.85	12.7
2015/10/14	ME	DS2	0.531065	B	6	49.9	0.78	26.93	28.73	87.05	5.91	6.77	7.86	8.1
2015/10/14	ME	DS2	0.531412	M	3.8	53.7	0.44	26.99	28.14	84.45	5.75	6.27	7.86	10.5
2015/10/14	ME	DS2	0.531933	T	0.8	36.1	0.71	27.01	27.43	85.95	5.87	5.47	7.85	13.1
2015/10/14	ME	DS3	0.535197	B	6.9	118.3	0.65	26.89	28.65	85.64	5.82	6.37	7.85	8.4
2015/10/14	ME	DS3	0.535556	M	4.6	127.4	0.2	26.97	28.21	84.44	5.75	6.87	7.85	10.6
2015/10/14	ME	DS3	0.536111	T	1	86.8	1.12	27.45	26.43	87.74	5.98	4.37	7.84	5.5
2015/10/14	ME	DS3	0.536505	B	6.8	140.9	0.47	26.91	28.59	83.54	5.68	6.17	7.85	8.4
2015/10/14	ME	DS3	0.536898	M	4.2	62.5	0.32	26.94	28.06	84.04	5.73	6.17	7.85	9.9
2015/10/14	ME	DS3	0.537442	T	1	126.1	0.47	27.42	26.64	87.34	5.95	4.77	7.84	5.2
2015/10/14	ME	DS4	0.541655	B	9.1	159.8	0.16	26.98	29.24	81.04	5.48	9.36	7.85	22.3
2015/10/14	ME	DS4	0.542118	M	5.7	101.1	0.65	26.86	28.62	82.04	5.58	6.97	7.85	8.4
2015/10/14	ME	DS4	0.542523	T	0.8	90.9	0.75	26.9	27.11	84.43	5.79	5.67	7.85	9.9
2015/10/14	ME	DS4	0.543044	B	8.9	87.1	0.49	26.97	29.17	80.93	5.48	9.26	7.85	21.6
2015/10/14	ME	DS4	0.543519	M	5.5	169.2	0.19	26.86	28.64	81.73	5.56	7.17	7.86	8.4
2015/10/14	ME	DS4	0.54397	T	1	97.6	1.04	26.84	27.06	84.33	5.79	5.77	7.85	9.3
2015/10/14	ME	DS5	0.548137	B	8.9	107.9	0.71	26.95	29.14	82.83	5.61	8.36	7.85	9.1
2015/10/14	ME	DS5	0.548507	M	5.6	89.8	0.69	26.85	28.77	81.63	5.55	9.36	7.85	12.5
2015/10/14	ME	DS5	0.548912	T	1	107.4	0.46	27.05	26.69	85.92	5.89	5.17	7.84	7.1
2015/10/14	ME	DS5	0.549641	B	8.3	76	0.81	26.92	29.01	80.73	5.47	9.26	7.86	8.9
2015/10/14	ME	DS5	0.55015	M	5.5	95.7	0.47	26.86	28.77	81.02	5.51	9.96	7.86	12.8
2015/10/14	ME	DS5	0.550637	T	1	104.4	0.98	27.05	26.72	85.82	5.88	4.87	7.85	7.0
2015/10/14	ME	US1	0.561042	B	9.2	157.3	0.36	26.85	28.65	85.2	5.8	21.84	7.86	35.7
2015/10/14	ME	US1	0.5614	M	5.6	84.8	0.66	26.83	28.47	83.4	5.68	16.95	7.87	30.9
2015/10/14	ME	US1	0.561794	T	0.8	138.8	0.53	27.29	27.43	87.6	5.96	8.66	7.87	17.4
2015/10/14	ME	US1	0.562257	B	9.1	95.2	0.47	26.84	28.6	82.7	5.63	22.44	7.86	36.7
2015/10/14	ME	US1	0.562604	M	5.7	107.8	0.63	26.83	28.51	82.2	5.6	17.45	7.86	32.6
2015/10/14	ME	US1	0.562963	T	0.9	99.3	0.8	27.26	27.56	86.6	5.89	8.76	7.87	18.2
2015/10/14	ME	US2	0.56625	B	9.1	97	0.65	26.92	29.06	83.6	5.67	12.66	7.85	6.5
2015/10/14	ME	US2	0.566563	M	5.2	95.3	0.25	26.85	28.66	81.7	5.56	11.36	7.85	13.9
2015/10/14	ME	US2	0.566921	T	0.8	107.7	0.83	27.17	27.15	86.79	5.92	6.97	7.87	11.7
2015/10/14	ME	US2	0.567431	B	9.2	85.5	0.49	26.93	29.08	80.9	5.48	15.15	7.85	6.7
2015/10/14	ME	US2	0.567813	M	4.9	92	0.82	26.84	28.58	81.1	5.52	11.06	7.85	14.1
2015/10/14	ME	US2	0.568391	T	1	91.3	0.77	26.95	28.02	85.19	5.81	8.76	7.87	12.5
2015/10/14	ME	MW1	0.599155	B	18.3	70.8	0.25	27.38	30.14	81.45	5.45	8.26	7.88	10.4
2015/10/14	ME	MW1	0.599711	M	9.8	53.5	0.12	27.38	30.09	81.05	5.42	7.27	7.88	10.3
2015/10/14	ME	MW1	0.600197	T	1	72	0.69	27.67	29.46	84.44	5.64	4.47	7.88	4.9
2015/10/14	ME	MW1	0.600961	B	17.8	310.5	0.21	27.34	30.19	80.25	5.37	7.86	7.87	10.4