

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)
2015/10/05	MF	MW1	0.540938	B	18.1	100.2	0.49	28.23	28.56	78.13	5.2	6.67	7.82	7.7
2015/10/05	MF	MW1	0.541759	M	10.1	128	0.26	28.24	28.61	77.82	5.17	6.47	7.81	9.5
2015/10/05	MF	MW1	0.542292	T	0.9	245.6	0.2	28.23	27.73	84.22	5.63	4.77	7.83	7.3
2015/10/05	MF	MW1	0.543021	B	18.3	315.4	0.19	28.24	28.7	77.22	5.13	6.57	7.82	7.5
2015/10/05	MF	MW1	0.544884	M	10.2	257.2	0.11	28.22	28.44	79.21	5.27	6.17	7.83	9.8
2015/10/05	MF	MW1	0.545926	T	1.1	58.3	0.15	28.23	27.77	85	5.68	4.67	7.84	7.8
2015/10/05	MF	DS1	0.595046	B	10.1	298.5	0.3	28.32	27.21	81.01	5.42	9.66	7.83	9.1
2015/10/05	MF	DS1	0.595822	M	6.5	236.4	0.27	28.31	26.82	79.81	5.35	7.57	7.83	6.5
2015/10/05	MF	DS1	0.596516	T	1	318.6	0.1	28.47	18.79	85.38	5.97	5.17	7.76	5.9
2015/10/05	MF	DS1	0.597211	B	9.9	265.3	0.17	28.29	27.11	79.8	5.35	9.66	7.84	9.6
2015/10/05	MF	DS1	0.597905	M	5.8	244	0.53	28.21	26.34	82.29	5.54	7.47	7.84	6.3
2015/10/05	MF	DS1	0.5986	T	1.2	92	0.17	28.47	18.7	85.58	5.99	5.07	7.77	6.2
2015/10/05	MF	DS2	0.602072	B	8.6	299.4	0.49	28.26	26.69	83.07	5.58	7.07	7.84	10.3
2015/10/05	MF	DS2	0.602616	M	5.7	290.7	0.35	28.26	25.46	83.07	5.62	5.47	7.82	11.3
2015/10/05	MF	DS2	0.603183	T	1.1	216.6	0.38	28.5	18.34	84.16	5.9	5.27	7.74	11.1
2015/10/05	MF	DS2	0.603773	B	9.1	296.4	0.54	28.25	26.74	81.97	5.51	6.97	7.84	10.3
2015/10/05	MF	DS2	0.604248	M	5.4	7.2	0.26	28.25	24.42	83.46	5.68	5.57	7.82	11.7
2015/10/05	MF	DS2	0.60485	T	1	355.5	0.47	28.49	18.17	84.65	5.94	5.17	7.75	11.7
2015/10/05	MF	DS3	0.608137	B	9.6	282.1	0.59	28.23	26.44	85.44	5.75	6.57	7.83	8.9
2015/10/05	MF	DS3	0.608576	M	6.4	276.4	0.39	28.29	24.32	82.75	5.63	5.77	7.81	8.2
2015/10/05	MF	DS3	0.609028	T	0.9	310.7	0.1	28.51	17.9	82.15	5.77	5.07	7.74	5.5
2015/10/05	MF	DS3	0.609537	B	10	290.7	0.75	28.26	26.68	81.25	5.46	7.57	7.84	8.7
2015/10/05	MF	DS3	0.610185	M	5.8	311	0.31	28.28	24.24	82.04	5.59	5.57	7.8	8.1
2015/10/05	MF	DS3	0.610787	T	1.1	31.3	0.3	28.51	17.98	82.64	5.8	5.07	7.73	5.3
2015/10/05	MF	DS4	0.614387	B	12.1	289.5	0.86	28.27	26.37	83.52	5.62	7.07	7.82	9.8
2015/10/05	MF	DS4	0.614803	M	7.4	340.9	0.51	28.25	24.28	83.22	5.67	5.77	7.8	7.2
2015/10/05	MF	DS4	0.615289	T	1.3	247.5	0.08	28.45	17.12	84.01	5.93	4.97	7.73	5.4
2015/10/05	MF	DS4	0.615775	B	12.2	295	0.78	28.27	26.41	81.72	5.5	7.07	7.82	10.3
2015/10/05	MF	DS4	0.61625	M	7.3	279.3	0.13	28.28	24.02	82.22	5.6	5.87	7.8	7.5
2015/10/05	MF	DS4	0.616771	T	1	318.9	0.19	28.46	17.12	83.91	5.92	4.97	7.73	5.5
2015/10/05	MF	DS5	0.620648	B	13.6	329.6	0.43	28.29	26.36	82.6	5.56	8.16	7.82	12.0
2015/10/05	MF	DS5	0.621111	M	8.1	281.5	0.65	28.23	24.5	83.59	5.69	5.87	7.81	8.1
2015/10/05	MF	DS5	0.621597	T	0.8	53	0.14	28.38	16.71	84.18	5.97	5.37	7.73	5.6
2015/10/05	MF	DS5	0.622037	B	14.1	300.6	0.6	28.29	26.35	81.4	5.48	7.86	7.82	11.6
2015/10/05	MF	DS5	0.622593	M	8.3	336.1	0.51	28.22	24.46	83.28	5.67	5.67	7.81	8.3
2015/10/05	MF	DS5	0.623762	T	0.8	258.7	0.12	28.39	16.83	85.47	6.05	4.97	7.73	5.7
2015/10/05	MF	US1	0.63397	B	13.1	139.5	0.27	28.23	27.09	84.43	5.66	12.95	7.81	16.1
2015/10/05	MF	US1	0.634456	M	7.4	264	0.31	28.15	26.85	83.73	5.63	15.35	7.82	15.3
2015/10/05	MF	US1	0.634931	T	1	24.4	0.19	28.29	20	88.31	6.15	6.37	7.78	8.1
2015/10/05	MF	US1	0.635486	B	13	279.7	0.05	28.19	27.02	83.03	5.57	15.35	7.82	15.7
2015/10/05	MF	US1	0.63588	M	7.4	226.5	0.36	28.12	26.33	84.32	5.69	11.06	7.83	15.1
2015/10/05	MF	US1	0.63647	T	1.1	117.1	0.1	28.29	20.12	87.9	6.12	5.07	7.78	7.5
2015/10/05	MF	US2	0.639306	B	5.1	235.5	0.19	28.16	25.49	88.09	5.97	7.47	7.82	15.7
2015/10/05	MF	US2	0.639792	M	3.3	322.9	0.19	28.21	24.43	86.59	5.9	7.37	7.82	6.1
2015/10/05	MF	US2	0.640185	T	1.1	254.8	0.36	28.28	22.22	87.09	6	5.57	7.79	5.9
2015/10/05	MF	US2	0.640579	B	4.8	232.7	0.43	28.11	26.7	84.21	5.67	10.36	7.82	16.1
2015/10/05	MF	US2	0.640961	M	3.5	280.9	0.33	28.2	24.79	86.89	5.9	6.87	7.83	6.0
2015/10/05	MF	US2	0.641667	T	0.8	333.2	0.54	28.27	22.2	88.48	6.09	5.17	7.8	5.5
2015/10/05	ME	DS1	0.766632	B	7	46.6	0.12	28.15	24.84	85.71	5.83	6.87	7.76	9.6
2015/10/05	ME	DS1	0.767188	M	4.6	105.9	0.43	28.33	22.36	86.51	5.95	5.07	7.74	6.0
2015/10/05	ME	DS1	0.767593	T	1	274	0.16	28.16	18.8	88.22	6.2	4.67	7.72	5.3
2015/10/05	ME	DS1	0.768044	B	6.8	90.5	0.12	28.09	25.53	86.12	5.84	6.17	7.78	9.0
2015/10/05	ME	DS1	0.768449	M	4.4	108	0.25	28.32	22.29	86.42	5.94	5.17	7.75	5.5
2015/10/05	ME	DS1	0.768935	T	1.3	138.3	0.51	28.15	18.9	88.42	6.21	4.67	7.73	5.2
2015/10/05	ME	DS2	0.773299	B	6	116.8	0.22	28.2	23.22	87.04	5.97	11.06	7.77	16.2
2015/10/05	ME	DS2	0.774225	M	3.8	90.6	0.52	28.27	21.71	86.24	5.96	4.77	7.75	11.8
2015/10/05	ME	DS2	0.774676	T	1.2	74.5	0.5	28.15	18.98	89.25	6.27	4.47	7.74	13.9
2015/10/05	ME	DS2	0.775127	B	6.2	54.4	0.07	28.17	23.85	86.64	5.92	8.76	7.78	16.7

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2015/10/05	ME	DS2	0.775498	M	4	112.2	0.37	28.27	22.27	86.14	5.93	5.77	7.76	11.8
2015/10/05	ME	DS2	0.77588	T	1.2	355	0.21	28.14	19.13	88.85	6.24	4.47	7.75	15.1
2015/10/05	ME	DS3	0.779178	B	5.9	105.1	0.31	28.08	26.69	84.85	5.72	8.96	7.79	9.8
2015/10/05	ME	DS3	0.779618	M	4.1	116.6	0.01	28.1	25.73	85.56	5.79	6.67	7.79	8.2
2015/10/05	ME	DS3	0.780035	T	1.2	144.2	0.42	28.17	19.07	88.26	6.2	5.87	7.75	10.2
2015/10/05	ME	DS3	0.780544	B	5.9	54.8	0.13	28.08	26.77	83.36	5.61	10.46	7.8	9.5
2015/10/05	ME	DS3	0.780984	M	3.9	22.7	0.11	28.21	22.4	88.77	6.11	6.87	7.78	8.4
2015/10/05	ME	DS3	0.781435	T	1.2	112.2	0.41	28.14	19.2	88.97	6.24	5.07	7.75	10.7
2015/10/05	ME	DS4	0.785081	B	6.2	7.8	0.37	28.04	26.75	85.78	5.78	6.37	7.8	7.9
2015/10/05	ME	DS4	0.785521	M	4.1	109.9	0.34	28.09	25.12	85.48	5.81	6.27	7.8	10.2
2015/10/05	ME	DS4	0.7861	T	1.2	99.3	0.63	28.15	19.72	89.09	6.23	4.67	7.76	5.4
2015/10/05	ME	DS4	0.786528	B	6	140.2	0.5	28.04	26.77	85.28	5.75	6.47	7.81	8.4
2015/10/05	ME	DS4	0.786933	M	4	103.2	0.1	28.06	26.52	84.68	5.71	6.57	7.8	10.1
2015/10/05	ME	DS4	0.787488	T	1.1	124.5	0.55	28.17	20.53	88.69	6.18	5.67	7.76	5.5
2015/10/05	ME	DS5	0.79125	B	7.9	157	0.37	28.11	24.41	92.82	6.33	5.57	7.79	5.8
2015/10/05	ME	DS5	0.791759	M	5	169.8	0.06	28.19	21.62	89.91	6.22	6.57	7.77	6.5
2015/10/05	ME	DS5	0.792373	T	1.1	247.9	0.45	28.13	18.11	86.91	6.14	4.47	7.71	4.4
2015/10/05	ME	DS5	0.793044	B	7.7	88.7	0.27	28.14	23.96	88.41	6.04	5.27	7.79	5.6
2015/10/05	ME	DS5	0.793438	M	5.2	143.1	0.3	28.19	21.66	89.82	6.21	6.37	7.77	6.2
2015/10/05	ME	DS5	0.793958	T	1.3	111.4	0.21	28.1	17.85	86.61	6.13	4.47	7.7	4.3
2015/10/05	ME	US1	0.803368	B	11.1	24	0.14	28.17	26.65	83.54	5.62	11.56	7.79	13.3
2015/10/05	ME	US1	0.803958	M	6.4	179.6	0.43	28.22	24.04	81.94	5.59	8.26	7.76	10.4
2015/10/05	ME	US1	0.804433	T	1	161.8	0.17	28.31	19.47	81.84	5.72	5.07	7.71	5.4
2015/10/05	ME	US1	0.805023	B	10.9	320.8	0.21	28.17	26.64	82.34	5.54	10.86	7.79	13.9
2015/10/05	ME	US1	0.805544	M	6.4	143.6	0.14	28.21	24.09	81.64	5.57	8.26	7.76	10.3
2015/10/05	ME	US1	0.806238	T	1.1	264.3	0.16	28.31	19.45	82.34	5.75	4.87	7.71	5.4
2015/10/05	ME	US2	0.809109	B	9.9	87	0.4	28.14	25.31	83.56	5.67	9.26	7.77	11.3
2015/10/05	ME	US2	0.809711	M	5.8	123.9	0.28	28.18	23.53	79.55	5.45	9.76	7.75	11.7
2015/10/05	ME	US2	0.810405	T	1.2	266.3	0.48	28.31	19.71	83.06	5.8	5.27	7.73	5.4
2015/10/05	ME	US2	0.811123	B	10.2	8.6	0.26	28.15	25.31	81.76	5.55	9.46	7.78	10.7
2015/10/05	ME	US2	0.811794	M	6.1	53.2	0.21	28.15	23.97	80.56	5.5	11.36	7.76	11.8
2015/10/05	ME	US2	0.812454	T	1	113.7	0.27	28.32	19.24	84.17	5.89	4.57	7.72	5.6
2015/10/05	ME	MW1	0.848171	B	18.6	74.7	0.07	28.25	29.13	80.18	5.31	5.87	7.83	9.3
2015/10/05	ME	MW1	0.848785	M	10.1	301.8	0.21	28.24	29.07	79.38	5.26	6.07	7.83	7.6
2015/10/05	ME	MW1	0.849468	T	1	45	0.21	28.18	28.56	81.79	5.45	3.97	7.82	5.7
2015/10/05	ME	MW1	0.850139	B	17.3	24.4	0.2	28.25	29.09	78.68	5.22	5.87	7.82	9.2
2015/10/05	ME	MW1	0.850752	M	10	36.6	0.38	28.24	29.06	78.78	5.23	5.57	7.82	7.5
2015/10/05	ME	MW1	0.851424	T	1.2	67.6	0.22	28.2	28.62	80.39	5.35	4.37	7.82	5.3