

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)
2015/10/19	MF	MW1	0.435961	B	18.8	357.7	0.65	27.17	29.43	78.98	5.32	6.77	7.72	7.6
2015/10/19	MF	MW1	0.436458	M	10.7	341.7	0.14	27.15	29.34	79.39	5.35	6.07	7.72	7.0
2015/10/19	MF	MW1	0.436991	T	0.9	332.9	0.46	27.08	28.38	81.6	5.54	3.77	7.74	4.9
2015/10/19	MF	MW1	0.437801	B	19.1	58.5	0.41	27.18	29.45	78.4	5.28	8.06	7.76	7.5
2015/10/19	MF	MW1	0.438333	M	10.5	57.6	0.38	27.16	29.32	79.11	5.33	6.47	7.78	7.3
2015/10/19	MF	MW1	0.438819	T	0.9	152.6	0.27	27.08	28.3	81.61	5.54	3.67	7.79	5.0
2015/10/19	MF	DS1	0.487708	B	9	306.6	0.27	27.2	28.83	81.99	5.54	15.35	7.84	33.2
2015/10/19	MF	DS1	0.488275	M	5.6	247.2	0.43	27.18	28.44	79.88	5.41	8.46	7.84	12.0
2015/10/19	MF	DS1	0.488738	T	1	294	1.02	27.11	27.15	83.21	5.68	4.67	7.86	5.3
2015/10/19	MF	DS1	0.489317	B	9	302.8	0.24	27.2	28.8	79.19	5.35	15.25	7.85	33.0
2015/10/19	MF	DS1	0.49	M	5.6	279.1	0.57	27.17	28.26	79.8	5.41	8.36	7.85	11.3
2015/10/19	MF	DS1	0.49037	T	1.3	254.9	0.36	27.12	27.22	82.52	5.63	5.17	7.86	5.0
2015/10/19	MF	DS2	0.494132	B	7.9	253.7	0.14	27.2	28.73	82.36	5.57	11.96	7.84	11.7
2015/10/19	MF	DS2	0.494525	M	5	285.3	0.51	27.17	28.34	80.55	5.46	6.37	7.84	6.0
2015/10/19	MF	DS2	0.494919	T	1	265.6	0.73	27.11	27.01	83.58	5.71	4.17	7.85	7.6
2015/10/19	MF	DS2	0.495463	B	8	283.8	0.27	27.2	28.75	79.55	5.38	10.16	7.85	11.6
2015/10/19	MF	DS2	0.495845	M	5.1	87.7	0.85	27.18	28.35	79.65	5.4	10.16	7.85	5.9
2015/10/19	MF	DS2	0.496644	T	1	299.7	0.47	27.14	26.99	84.2	5.75	3.77	7.86	7.7
2015/10/19	MF	DS3	0.500532	B	19.8	231.3	0.7	27.2	28.73	79.7	5.39	8.36	7.83	11.3
2015/10/19	MF	DS3	0.501146	M	10.1	234.2	0.08	27.16	28.13	80.61	5.47	5.47	7.83	8.8
2015/10/19	MF	DS3	0.501713	T	1.1	266.5	0.54	27.11	27.06	83.64	5.72	4.17	7.84	4.2
2015/10/19	MF	DS3	0.502512	B	19.8	223.2	0.54	27.2	28.71	78.81	5.33	8.96	7.83	11.4
2015/10/19	MF	DS3	0.503148	M	11.1	324.2	0.34	27.17	28.28	79.72	5.41	6.37	7.84	9.4
2015/10/19	MF	DS3	0.503715	T	1.1	270.1	0.4	27.13	27.19	83.06	5.67	4.07	7.84	4.2
2015/10/19	MF	DS4	0.507176	B	10.1	275.8	0.54	27.17	28.29	82.59	5.6	10.66	7.82	10.6
2015/10/19	MF	DS4	0.507708	M	5.9	256.7	0.87	27.16	28.15	81.38	5.52	4.77	7.82	6.0
2015/10/19	MF	DS4	0.508194	T	0.9	277	0.53	27.11	27.19	83.81	5.72	3.57	7.83	8.2
2015/10/19	MF	DS4	0.508738	B	10.2	262.5	0.64	27.19	28.5	80.18	5.43	7.07	7.83	9.7
2015/10/19	MF	DS4	0.50912	M	6.3	278.4	0.75	27.17	28.24	80.59	5.47	4.77	7.83	6.3
2015/10/19	MF	DS4	0.509491	T	1.2	262.6	0.73	27.11	27.11	83.32	5.69	3.77	7.84	7.8
2015/10/19	MF	DS5	0.513484	B	11	290.2	0.69	27.18	28.42	81.54	5.52	9.06	7.82	8.5
2015/10/19	MF	DS5	0.513854	M	6.2	288.7	0.97	27.19	27.34	83.16	5.67	4.17	7.82	7.9
2015/10/19	MF	DS5	0.514329	T	1.2	346.8	0.25	27.26	26.45	88.12	6.03	2.58	7.83	5.6
2015/10/19	MF	DS5	0.514861	B	10.9	295.7	0.68	27.17	28.31	81.25	5.51	6.27	7.82	8.2
2015/10/19	MF	DS5	0.515278	M	6.4	309.6	0.69	27.12	27.48	82.57	5.63	3.87	7.82	8.2
2015/10/19	MF	DS5	0.515752	T	1	286.6	0.97	27.3	26.53	86.82	5.93	2.58	7.83	5.4
2015/10/19	MF	US1	0.525116	B	8.2	208.2	0.22	27.15	28.19	84.08	5.71	12.06	7.81	16.1
2015/10/19	MF	US1	0.525498	M	4.7	223.9	0.61	27.09	27.38	83.28	5.68	7.47	7.82	10.8
2015/10/19	MF	US1	0.525995	T	1.2	275.7	0.48	27.18	26.87	86.62	5.92	4.57	7.83	3.3
2015/10/19	MF	US1	0.526551	B	8	350.8	0.58	27.16	28.27	80.56	5.46	14.85	7.81	16.4
2015/10/19	MF	US1	0.526968	M	4.8	280.1	0.86	27.09	27.4	82.18	5.61	7.47	7.82	10.7
2015/10/19	MF	US1	0.5275	T	1	271.4	0.45	27.18	26.47	88.05	6.03	4.07	7.83	3.6
2015/10/19	MF	US2	0.53125	B	6.8	122	0.14	27.14	27.94	81.11	5.51	10.06	7.8	25.3
2015/10/19	MF	US2	0.531748	M	4.4	285.7	0.51	27.09	26.85	84.66	5.79	7.96	7.81	29.0
2015/10/19	MF	US2	0.532245	T	1	327.4	0.65	27.12	26.23	89.93	6.17	2.77	7.83	7.1
2015/10/19	MF	US2	0.532928	B	7.1	263.8	0.52	27.15	28.19	80.72	5.48	14.65	7.8	25.0
2015/10/19	MF	US2	0.533333	M	4.6	280.1	0.87	27.09	26.75	84.67	5.8	7.37	7.82	29.7
2015/10/19	MF	US2	0.533808	T	1	243.3	0.76	27.12	26.28	89.94	6.17	2.77	7.83	6.9
2015/10/19	ME	US1	0.657523	B	9	332.5	0.14	27.21	28.66	79.45	5.37	4.27	7.78	6.0
2015/10/19	ME	US1	0.657986	M	5.5	350.8	0.14	27.14	27.4	84.54	5.76	3.57	7.8	20.1
2015/10/19	ME	US1	0.65838	T	1	209.2	0.23	27.08	27.07	87.34	5.97	3.37	7.81	3.5
2015/10/19	ME	US1	0.659132	B	8.9	351.2	0.2	27.21	28.66	79.24	5.36	4.17	7.79	6.5
2015/10/19	ME	US1	0.659537	M	5.3	179.1	0.07	27.15	27.66	82.64	5.62	3.77	7.8	19.6
2015/10/19	ME	US1	0.660116	T	1.2	120.3	0.3	27.08	27.09	87.43	5.98	3.27	7.81	3.4
2015/10/19	ME	US2	0.663137	B	9.1	68.5	0.33	27.21	28.63	83.42	5.64	4.47	7.8	7.1
2015/10/19	ME	US2	0.663507	M	5.6	105.8	0.16	27.16	27.57	84.62	5.76	3.27	7.82	4.6
2015/10/19	ME	US2	0.663912	T	1	280.7	0.24	27.1	26.75	91.01	6.23	2.58	7.85	4.5
2015/10/19	ME	US2	0.664595	B	8.9	48.3	0.69	27.2	28.6	79.32	5.37	5.07	7.8	6.9

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2015/10/19	ME	US2	0.665035	M	5.3	18.9	0.89	27.16	27.53	83.71	5.7	3.37	7.83	4.9
2015/10/19	ME	US2	0.665613	T	0.8	63.3	0.26	27.13	26.97	89.3	6.1	2.77	7.83	4.5
2015/10/19	ME	DS1	0.670556	B	7.9	278.7	0.35	27.22	29	82.69	5.58	4.67	7.8	9.9
2015/10/19	ME	DS1	0.670938	M	4.8	29.9	0.07	27.15	27.75	83.08	5.65	3.97	7.81	8.8
2015/10/19	ME	DS1	0.671308	T	0.9	239.1	0.32	27.05	26.66	88.87	6.09	3.27	7.83	7.1
2015/10/19	ME	DS1	0.671852	B	7.7	22.1	0.47	27.22	29.15	79.29	5.35	5.37	7.8	10.0
2015/10/19	ME	DS1	0.672222	M	4.8	156.2	0.24	27.21	28.65	79.38	5.37	4.87	7.81	9.0
2015/10/19	ME	DS1	0.672569	T	0.7	143.2	0.41	27.08	26.83	85.27	5.84	3.67	7.83	6.7
2015/10/19	ME	DS2	0.676169	B	6.9	122	0.55	27.19	29.23	83.16	5.61	6.17	7.8	6.4
2015/10/19	ME	DS2	0.676725	M	4.3	52.1	0.45	27.06	26.67	85.05	5.83	3.87	7.83	7.2
2015/10/19	ME	DS2	0.677269	T	0.9	189.4	0.36	27.03	25.23	93.04	6.43	2.48	7.84	5.3
2015/10/19	ME	DS2	0.677824	B	6.9	298.1	0.07	27.2	29.12	80.26	5.41	5.37	7.81	6.3
2015/10/19	ME	DS2	0.678171	M	4.4	72.6	0.61	27.13	27.6	81.45	5.55	5.47	7.81	7.4
2015/10/19	ME	DS2	0.678507	T	1.2	88.1	0.7	27.03	25.14	90.24	6.24	2.97	7.84	5.4
2015/10/19	ME	DS3	0.681852	B	6.1	83.4	0.49	27.22	29.11	81.84	5.52	6.17	7.8	7.6
2015/10/19	ME	DS3	0.682326	M	3.8	44.7	0.57	27.11	26.78	86.33	5.91	4.57	7.82	6.5
2015/10/19	ME	DS3	0.683009	T	1	19.4	0.48	27.06	25.86	89.72	6.18	3.47	7.83	4.2
2015/10/19	ME	DS3	0.6836	B	6.1	337	0.14	27.22	29.03	79.13	5.34	6.57	7.81	7.5
2015/10/19	ME	DS3	0.684086	M	3.9	58.2	0.31	27.14	27.26	83.62	5.71	5.57	7.82	6.6
2015/10/19	ME	DS3	0.684514	T	1.1	106.7	0.42	27.05	25.72	89.31	6.16	3.57	7.82	4.5
2015/10/19	ME	DS4	0.691563	B	6	76	0.45	27.12	27.59	86.08	5.86	7.76	7.8	4.7
2015/10/19	ME	DS4	0.692106	M	4	26.1	0.53	27.09	27.43	82.69	5.64	5.17	7.8	7.2
2015/10/19	ME	DS4	0.692523	T	1	80.5	0.63	27.1	25.29	90.17	6.22	2.87	7.83	5.6
2015/10/19	ME	DS4	0.692917	B	5.9	277.7	0.53	27.13	27.61	83.88	5.71	4.27	7.81	4.9
2015/10/19	ME	DS4	0.693218	M	3.9	271.6	0.81	27.1	27.47	82.58	5.63	4.87	7.81	7.2
2015/10/19	ME	DS4	0.693634	T	0.8	100.8	0.47	27.05	24.78	91.06	6.31	2.58	7.83	5.4
2015/10/19	ME	DS5	0.697454	B	8	137.7	0.02	27.12	27.45	86.05	5.87	4.67	7.8	6.2
2015/10/19	ME	DS5	0.69787	M	4.9	358.6	0.25	27.13	26.67	86.85	5.95	3.47	7.81	6.5
2015/10/19	ME	DS5	0.698333	T	1.1	59.5	0.66	26.96	23.89	93.73	6.54	2.18	7.83	3.9
2015/10/19	ME	DS5	0.698889	B	7.8	122.1	0.3	27.12	27.48	83.55	5.7	4.47	7.81	6.1
2015/10/19	ME	DS5	0.699271	M	4.5	103.1	0.36	27.12	26.29	86.05	5.9	3.67	7.82	6.4
2015/10/19	ME	DS5	0.699595	T	1.2	74	0.36	26.86	23.61	93.02	6.51	2.28	7.84	4.1
2015/10/19	ME	MW1	0.72794	B	19	353.1	0.43	27.19	30.05	81.03	5.44	4.97	7.82	5.9
2015/10/19	ME	MW1	0.728507	M	10.4	56.8	0.33	27.18	30	80.53	5.41	3.97	7.82	4.3
2015/10/19	ME	MW1	0.728935	T	0.9	61.5	0.43	27.02	28.51	84.61	5.74	2.87	7.84	2.8
2015/10/19	ME	MW1	0.729711	B	18.9	46.1	0.23	27.19	30.04	79.63	5.34	4.57	7.82	5.8
2015/10/19	ME	MW1	0.730208	M	10.6	75.6	0.35	27.19	30.01	79.73	5.35	4.47	7.82	4.7
2015/10/19	ME	MW1	0.73066	T	1	87.3	0.81	27.11	28.62	84.01	5.69	2.87	7.84	2.7