

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)
2015/10/16	MF	MW1	0.324873	B	19.1	63.3	0.51	27.1	29.25	78.46	5.3	11.71	7.77	5.1
2015/10/16	MF	MW1	0.325498	M	10.2	72.2	0.46	27.09	29.18	78.47	5.3	9.01	7.81	6.5
2015/10/16	MF	MW1	0.32625	T	1.1	335.6	0.15	27.01	28.42	79.93	5.43	5.35	7.83	8.7
2015/10/16	MF	MW1	0.327049	B	19.1	93.8	0.14	27.1	29.49	77.8	5.25	16.43	7.84	4.9
2015/10/16	MF	MW1	0.327697	M	10.2	82.5	0.17	27.09	29.4	77.88	5.25	11.88	7.84	6.0
2015/10/16	MF	MW1	0.328229	T	1.1	142.4	0.59	26.99	28.28	79.84	5.43	5.04	7.85	9.3
2015/10/16	MF	DS1	0.402407	B	8.9	216.5	0.48	27.09	29.92	80.49	5.42	18.75	7.85	9.1
2015/10/16	MF	DS1	0.402905	M	5.7	257.3	0.49	27.02	28.77	80.27	5.44	14.91	7.86	7.2
2015/10/16	MF	DS1	0.403461	T	1.2	256.4	0.57	27	28.36	81.17	5.52	8.74	7.86	9.3
2015/10/16	MF	DS1	0.404016	B	9.1	183.7	0.43	27.11	30.02	78	5.24	20.36	7.85	8.7
2015/10/16	MF	DS1	0.404398	M	5.5	236.4	0.58	27.02	28.69	79.37	5.38	15.12	7.86	7.6
2015/10/16	MF	DS1	0.404884	T	1	276.3	0.51	27.03	28.34	80.81	5.49	8.7	7.86	9.4
2015/10/16	MF	DS2	0.408738	B	9.2	267.1	0.55	27.09	29.56	79.49	5.36	16.32	7.85	5.7
2015/10/16	MF	DS2	0.409155	M	5.6	290.3	0.54	27.07	29.26	78.9	5.33	12.91	7.85	7.4
2015/10/16	MF	DS2	0.40956	T	1.2	301.5	0.79	27.05	28.09	81.23	5.53	7.4	7.86	10.8
2015/10/16	MF	DS2	0.410069	B	9.2	311.5	0.52	27.09	29.53	78.38	5.28	17.52	7.85	5.4
2015/10/16	MF	DS2	0.410463	M	5.2	308.4	0.54	27.06	29.06	78.52	5.31	12.54	7.85	7.5
2015/10/16	MF	DS2	0.410868	T	1.1	284.4	0.48	27.03	28.1	80.67	5.49	7.84	7.86	10.4
2015/10/16	MF	DS3	0.414803	B	19.8	274	0.58	27.1	29.42	78.63	5.3	14.06	7.84	7.1
2015/10/16	MF	DS3	0.415428	M	11.2	307.5	0.3	27.06	28.91	78.75	5.33	15.34	7.84	5.7
2015/10/16	MF	DS3	0.416273	T	0.9	313.5	0.28	27.09	27.91	81.83	5.57	6.73	7.85	8.1
2015/10/16	MF	DS3	0.417315	B	20.3	260	0.44	27.1	29.46	77.73	5.24	14.43	7.84	6.9
2015/10/16	MF	DS3	0.417986	M	10.8	274.5	0.19	27.07	28.98	78.13	5.29	13.3	7.84	5.3
2015/10/16	MF	DS3	0.418704	T	1	274.7	0.56	27.05	28.02	80.81	5.5	8.03	7.85	7.9
2015/10/16	MF	DS4	0.422465	B	10	274.6	0.65	27.1	29.36	78.91	5.32	17.18	7.84	4.6
2015/10/16	MF	DS4	0.423113	M	6.2	303.6	0.36	27.06	28.78	78.94	5.35	12.88	7.84	7.6
2015/10/16	MF	DS4	0.423681	T	1	323.4	0.66	27.08	27.85	81.55	5.55	6.18	7.84	9.3
2015/10/16	MF	DS4	0.424225	B	10	311.2	0.47	27.1	29.31	78.12	5.27	18.6	7.84	4.8
2015/10/16	MF	DS4	0.424745	M	6.2	319.5	0.3	27.06	28.81	78.45	5.31	13.45	7.84	7.8
2015/10/16	MF	DS4	0.42544	T	1	285.1	0.39	27.07	27.86	81.06	5.52	6	7.84	9.8
2015/10/16	MF	DS5	0.429178	B	11.1	323.9	0.62	27.1	29.39	79.61	5.37	18.93	7.83	6.7
2015/10/16	MF	DS5	0.429745	M	6.5	331.8	0.5	27.06	28.33	79.63	5.41	8.44	7.84	5.3
2015/10/16	MF	DS5	0.430313	T	0.8	310.9	0.73	27.19	27.6	81.8	5.57	5.87	7.84	7.2
2015/10/16	MF	DS5	0.430903	B	11.3	266.6	0.3	27.11	29.39	77.99	5.26	20.42	7.84	7.0
2015/10/16	MF	DS5	0.431458	M	6.3	307.9	0.74	27.06	28.31	79.26	5.38	8.62	7.83	5.2
2015/10/16	MF	DS5	0.431979	T	1	332.9	0.31	27.22	27.7	81.79	5.56	5.95	7.83	7.1
2015/10/16	MF	US1	0.441829	B	8.1	49.7	0.24	27.12	29.61	78.91	5.32	27.16	7.83	5.2
2015/10/16	MF	US1	0.442361	M	5	280.6	0.37	27.02	28.29	80.19	5.45	14.33	7.83	8.2
2015/10/16	MF	US1	0.442766	T	0.8	294.3	0.48	27.11	27.61	81.61	5.56	8.72	7.83	5.7
2015/10/16	MF	US1	0.443333	B	8.1	293.2	0.49	27.11	29.52	77.9	5.25	20.14	7.83	5.3
2015/10/16	MF	US1	0.443704	M	4.8	353	0.21	27.02	28.19	79.34	5.4	13.71	7.83	8.0
2015/10/16	MF	US1	0.444248	T	0.8	125.3	0.26	27.15	27.57	81.64	5.56	8.22	7.83	5.2
2015/10/16	MF	US2	0.450428	B	6.9	286.2	0.32	27.06	28.8	78.56	5.32	25.19	7.83	6.9
2015/10/16	MF	US2	0.450961	M	4.3	340.6	0.7	27.02	27.86	81.06	5.52	15.2	7.83	9.7
2015/10/16	MF	US2	0.451424	T	1	337.7	0.42	27.07	27.76	81.95	5.58	6.77	7.82	35.1
2015/10/16	MF	US2	0.452361	B	7	260	0.5	27.06	28.65	78.88	5.35	28.2	7.82	6.5
2015/10/16	MF	US2	0.452836	M	4.2	303.8	0.38	27.03	27.91	80.87	5.51	13.68	7.82	9.5
2015/10/16	MF	US2	0.453229	T	1.3	293.2	0.76	27.06	27.85	81.57	5.55	8.37	7.82	33.1
2015/10/16	ME	US1	0.565	B	10	106.3	0.28	27.09	28.76	80.47	5.45	6.59	7.86	8.2
2015/10/16	ME	US1	0.56544	M	6.1	147.8	0.62	27.23	27.46	83.17	5.66	4.28	7.87	29.5
2015/10/16	ME	US1	0.565903	T	0.9	191.6	0.41	27.36	25.12	84.55	5.82	3.67	7.85	31.4
2015/10/16	ME	US1	0.568275	B	10	57.5	0.53	27.18	27.78	82.43	5.6	4.58	7.88	7.9
2015/10/16	ME	US1	0.568877	M	6	74.6	0.39	27.11	26.54	83.37	5.71	4.41	7.87	28.4
2015/10/16	ME	US1	0.569479	T	1.1	100.1	1.17	27.31	25.37	84.28	5.8	3.97	7.86	31.1
2015/10/16	ME	US2	0.573762	B	8.1	80.5	0.07	27.1	29.15	80.6	5.44	9.17	7.86	13.0
2015/10/16	ME	US2	0.574144	M	4.7	89.1	0.65	27.15	27.53	82.14	5.6	4.99	7.87	19.2
2015/10/16	ME	US2	0.57456	T	1	99	0.9	27.09	26.26	83.06	5.7	5.35	7.87	35.2
2015/10/16	ME	US2	0.575093	B	7.8	131.2	0.51	27.11	29.15	78.56	5.31	8.85	7.87	12.1

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vd

2015/10/16	ME	US2	0.575451	M	5	67.3	0.6	27.16	27.54	81.62	5.56	4.97	7.88	18.8
2015/10/16	ME	US2	0.575833	T	1	78.6	0.71	27.27	25.66	83.99	5.77	4.7	7.88	35.6
2015/10/16	ME	DS1	0.580567	B	7.9	90.4	0.58	27.1	28.47	81.38	5.52	5.4	7.87	15.4
2015/10/16	ME	DS1	0.580914	M	4.9	93.4	0.15	27.24	27.72	83.25	5.66	4.57	7.88	31.0
2015/10/16	ME	DS1	0.581308	T	1.2	92.2	0.4	27.16	26.04	84.75	5.82	4.11	7.87	39.2
2015/10/16	ME	DS1	0.581852	B	8.1	120.8	0.46	27.1	28.88	79.54	5.38	6.57	7.88	15.1
2015/10/16	ME	DS1	0.582199	M	4.9	79.4	0.64	27.21	27.74	82.42	5.6	4.51	7.88	30.7
2015/10/16	ME	DS1	0.582604	T	1.1	92.6	0.56	27.18	26.09	84.5	5.8	4.1	7.87	39.0
2015/10/16	ME	DS2	0.585787	B	7.2	45.2	0.19	27.09	28.71	82.26	5.57	5.38	7.87	19.5
2015/10/16	ME	DS2	0.5864	M	4.3	79.8	0.19	27.2	27.21	84.25	5.74	4.09	7.88	33.6
2015/10/16	ME	DS2	0.586991	T	0.8	90	0.15	27.42	25.34	86.11	5.91	3.69	7.87	31.9
2015/10/16	ME	DS2	0.587535	B	6.9	86.7	0.46	27.09	28.59	79.83	5.41	5.78	7.88	18.6
2015/10/16	ME	DS2	0.58809	M	4.4	59.5	0.48	27.22	27.32	83.58	5.69	4.09	7.88	31.6
2015/10/16	ME	DS2	0.5886	T	1.2	89.7	0.65	27.27	25.86	84.84	5.82	4.53	7.87	33.6
2015/10/16	ME	DS3	0.591771	B	6.1	46.1	0.53	27.12	29.27	80.71	5.45	5.29	7.87	10.9
2015/10/16	ME	DS3	0.59228	M	3.7	29.3	0.45	27.17	26.85	84.04	5.74	3.86	7.88	28.2
2015/10/16	ME	DS3	0.592708	T	1	94.3	0.66	27.54	25.02	87.3	5.99	3.22	7.87	28.4
2015/10/16	ME	DS3	0.593287	B	6.1	64.4	0.45	27.12	28.95	79.46	5.37	5.51	7.87	11.3
2015/10/16	ME	DS3	0.593692	M	4.2	122.7	0.49	27.18	26.89	83.65	5.72	3.92	7.87	28.9
2015/10/16	ME	DS3	0.594259	T	1.1	105.1	0.65	27.39	25.48	86.51	5.94	3.57	7.86	29.5
2015/10/16	ME	DS4	0.597847	B	4	40.6	0.69	27.16	27.65	85.2	5.8	4.21	7.87	14.6
2015/10/16	ME	DS4	0.598275	M	3	27.2	0.21	27.17	27.28	84.92	5.79	3.89	7.87	12.0
2015/10/16	ME	DS4	0.598762	T	0.8	87.2	0.62	27.37	25.29	86.68	5.96	3.51	7.86	11.6
2015/10/16	ME	DS4	0.599178	B	4.4	95.1	0.58	27.15	27.84	82.87	5.63	6.03	7.87	14.5
2015/10/16	ME	DS4	0.599537	M	2.9	90.3	0.92	27.15	26.81	84.17	5.76	3.81	7.87	11.9
2015/10/16	ME	DS4	0.599977	T	1.1	99.7	0.69	27.4	25.17	86.56	5.95	3.76	7.87	11.2
2015/10/16	ME	DS5	0.603113	B	4.1	337.7	0.65	27.32	25.42	88.1	6.05	4.1	7.86	28.4
2015/10/16	ME	DS5	0.603657	M	3.1	62.6	0.09	27.32	25.42	86.37	5.94	3.94	7.86	18.0
2015/10/16	ME	DS5	0.60419	T	0.9	86.9	0.3	27.39	25.17	86.48	5.94	3.52	7.86	8.6
2015/10/16	ME	DS5	0.604734	B	4.2	82.4	0.09	27.25	25.85	85.44	5.87	4.05	7.86	29.3
2015/10/16	ME	DS5	0.605313	M	2.9	96.9	0.58	27.31	25.64	85.67	5.88	3.95	7.86	17.6
2015/10/16	ME	DS5	0.605683	T	1	131.9	0.3	27.54	24.83	87.01	5.98	3.2	7.86	8.8
2015/10/16	ME	MW1	0.632303	B	19.4	6.2	0.23	27.21	30.17	81.7	5.48	5.05	7.91	10.6
2015/10/16	ME	MW1	0.633021	M	10.3	75.5	0.43	27.36	29.64	82.54	5.54	3.71	7.91	16.1
2015/10/16	ME	MW1	0.63336	T	0.9	91.7	0.43	27.71	28.9	86.91	5.82	3.51	7.91	34.3
2015/10/16	ME	MW1	0.634572	B	19.2	85.2	0.13	27.26	30.03	80.85	5.42	3.79	7.9	10.4
2015/10/16	ME	MW1	0.635324	M	10.4	34.8	0.34	27.29	29.88	81.5	5.47	4.03	7.9	16.3
2015/10/16	ME	MW1	0.635995	T	0.7	76.2	0.72	27.65	28.94	86.36	5.79	3.71	7.91	35.5