

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)
2015/10/30	MF	MW1	0.342813	B	18.1	22	0.44	27.24	27.8	86.88	5.9	20.74	7.85	46.3
2015/10/30	MF	MW1	0.343565	M	10.1	26.6	0.12	27.24	27.66	87.59	5.95	16.35	7.86	32.4
2015/10/30	MF	MW1	0.344155	T	1	86.4	0.51	27.24	27.5	88.39	6.01	13.25	7.87	30.2
2015/10/30	MF	MW1	0.344896	B	18	314.7	0.23	27.24	27.8	87	5.91	23.93	7.87	47.3
2015/10/30	MF	MW1	0.345579	M	10.1	47.1	0.19	27.23	27.84	87.41	5.94	18.94	7.87	34.0
2015/10/30	MF	MW1	0.346111	T	1	343.5	0.26	27.24	27.5	88.31	6.01	11.86	7.88	29.2
2015/10/30	MF	DS1	0.386215	B	8.2	273.6	0.62	27.29	26.13	88.01	6.03	33.11	7.87	44.9
2015/10/30	MF	DS1	0.386852	M	5	286.2	0.69	27.28	25.85	87.92	6.03	29.72	7.87	48.9
2015/10/30	MF	DS1	0.387674	T	1.2	273	0.99	27.3	25.7	88.73	6.09	20.34	7.87	30.8
2015/10/30	MF	DS1	0.388218	B	7.8	233.1	0.3	27.27	26.33	88.03	6.02	42.5	7.88	45.7
2015/10/30	MF	DS1	0.388854	M	5	285.5	0.76	27.28	25.93	88.34	6.06	28.62	7.88	49.5
2015/10/30	MF	DS1	0.389537	T	1.2	293	0.77	27.29	25.8	88.85	6.1	20.94	7.88	29.2
2015/10/30	MF	DS1	0.390046	B	8.2	280.9	0.64	27.27	26.2	88.15	6.04	35.11	7.88	-
2015/10/30	MF	DS1	0.390567	M	5.2	269.4	0.56	27.27	25.91	88.86	6.1	21.54	7.88	-
2015/10/30	MF	DS1	0.391285	T	1	258	0.79	27.28	25.87	89.37	6.13	18.34	7.88	-
2015/10/30	MF	DS2	0.395069	B	7.7	282.1	0.73	27.25	26.4	88.8	6.08	53.97	7.88	44.4
2015/10/30	MF	DS2	0.395891	M	4.7	274.3	0.86	27.26	26.26	88.51	6.06	37.51	7.88	33.9
2015/10/30	MF	DS2	0.396377	T	1.2	283	0.79	27.3	25.92	88.62	6.08	19.94	7.87	21.3
2015/10/30	MF	DS2	0.39691	B	8.3	270.6	0.5	27.25	26.42	88.42	6.05	52.18	7.89	44.5
2015/10/30	MF	DS2	0.397905	M	5.1	283.9	0.8	27.26	26.19	88.53	6.06	30.02	7.88	34.6
2015/10/30	MF	DS2	0.398333	T	0.9	264.7	0.88	27.3	25.94	89.34	6.12	17.35	7.88	21.3
2015/10/30	MF	DS2	0.398935	B	8.1	318	0.45	27.25	26.36	88.44	6.05	51.68	7.89	-
2015/10/30	MF	DS2	0.399456	M	5	273.3	0.7	27.25	26.3	88.55	6.06	41.9	7.88	-
2015/10/30	MF	DS2	0.399988	T	1.1	279.1	0.71	27.3	25.94	89.46	6.13	17.74	7.88	-
2015/10/30	MF	DS3	0.404595	B	15.3	276.3	0.48	27.26	26.36	88.4	6.05	29.62	7.87	42.1
2015/10/30	MF	DS3	0.405266	M	8.5	295.2	0.24	27.27	26.16	88.3	6.05	28.12	7.87	33.1
2015/10/30	MF	DS3	0.405752	T	1.1	315.6	0.55	27.29	26.09	88.81	6.08	22.34	7.87	31.7
2015/10/30	MF	DS3	0.406389	B	15.2	327	0.27	27.26	26.27	88.01	6.03	31.42	7.87	44.1
2015/10/30	MF	DS3	0.406898	M	8.6	15.9	0.38	27.27	26.19	88.32	6.05	29.82	7.87	33.1
2015/10/30	MF	DS3	0.407407	T	0.9	307.8	0.42	27.4	25.94	89.84	6.15	13.35	7.87	31.1
2015/10/30	MF	DS3	0.408021	B	15.2	349.8	0.26	27.27	26.24	88.13	6.03	33.61	7.87	-
2015/10/30	MF	DS3	0.408576	M	8.5	262	0.39	27.28	26.16	88.44	6.06	27.53	7.87	-
2015/10/30	MF	DS3	0.409109	T	0.9	248	0.52	27.29	26.14	89.05	6.1	23.03	7.87	-
2015/10/30	MF	DS4	0.412894	B	9.7	292.6	0.73	27.27	26.26	89.89	6.15	30.32	7.87	31.4
2015/10/30	MF	DS4	0.413356	M	6.1	297.8	0.42	27.27	26.19	88.79	6.08	27.72	7.87	24.1
2015/10/30	MF	DS4	0.413912	T	1	284.9	0.63	27.38	25.78	88.89	6.09	12.26	7.86	10.7
2015/10/30	MF	DS4	0.414433	B	10.6	300	0.46	27.26	26.37	88.6	6.06	35.11	7.88	31.6
2015/10/30	MF	DS4	0.415	M	6	308.2	0.74	27.29	26	88.5	6.07	17.45	7.86	24.4
2015/10/30	MF	DS4	0.41566	T	1.1	305.6	0.65	27.34	25.83	88.71	6.08	11.36	7.86	11.3
2015/10/30	MF	DS4	0.416181	B	10.1	304.4	0.63	27.27	26.24	88.31	6.05	35.61	7.87	-
2015/10/30	MF	DS4	0.41691	M	6	303.8	0.62	27.29	26	88.22	6.05	17.45	7.86	-
2015/10/30	MF	DS4	0.417396	T	1.1	351.6	0.72	27.36	25.73	88.42	6.06	11.06	7.86	-
2015/10/30	MF	DS5	0.420463	B	10.7	309.2	0.44	27.26	26.42	89.67	6.13	40.4	7.87	36.6
2015/10/30	MF	DS5	0.421088	B	6.7	282.4	0.52	27.31	25.96	88.26	6.05	14.65	7.86	22.2
2015/10/30	MF	DS5	0.421794	T	1.1	61.5	0.29	27.4	25.39	88.67	6.09	10.06	7.85	14.3
2015/10/30	MF	DS5	0.422477	B	11	282.8	0.55	27.26	26.42	88.48	6.05	51.28	7.88	38.6
2015/10/30	MF	DS5	0.423021	M	6.6	310.8	0.55	27.31	25.95	88.08	6.04	16.05	7.86	22.0
2015/10/30	MF	DS5	0.423623	T	1	317.4	0.27	27.4	25.36	88.69	6.09	9.56	7.85	13.9
2015/10/30	MF	DS5	0.424144	B	11.1	298.6	0.44	27.26	26.4	88.39	6.05	44.09	7.88	-
2015/10/30	MF	DS5	0.424525	M	6.5	310	0.81	27.31	25.96	88.19	6.04	19.14	7.86	-
2015/10/30	MF	DS5	0.425081	T	1.1	8.1	0.43	27.42	25.39	89.01	6.11	9.06	7.86	14.4
2015/10/30	MF	US1	0.435081	B	8.1	319.9	0.2	27.24	26.31	91.94	6.3	13.15	7.87	18.6
2015/10/30	MF	US1	0.435949	M	4.8	273.3	0.71	27.24	26.27	90.33	6.19	13.05	7.88	29.9
2015/10/30	MF	US1	0.436516	T	0.9	348.5	0.4	27.26	26.21	90.24	6.18	14.35	7.88	14.5
2015/10/30	MF	US1	0.438194	B	8.1	306.9	0.38	27.24	26.38	89.85	6.15	21.34	7.87	17.5
2015/10/30	MF	US1	0.438646	M	5.1	347.2	0.15	27.24	26.36	90.06	6.16	21.44	7.87	29.3
2015/10/30	MF	US1	0.439109	T	1	12.4	0.25	27.28	26.31	90.47	6.19	14.65	7.87	-
2015/10/30	MF	US1	0.439792	B	7.8	291	0.41	27.24	26.4	89.97	6.16	29.62	7.87	-

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2015/10/30	MF	US1	0.440301	M	5	349.3	0.12	27.24	26.4	89.97	6.16	33.91	7.87	-
2015/10/30	MF	US1	0.440822	T	1	313.7	0.35	27.27	26.36	90.48	6.19	17.05	7.87	-
2015/10/30	MF	US2	0.444317	B	7.3	329.3	0.82	27.22	26.55	91.43	6.25	16.45	7.88	21.0
2015/10/30	MF	US2	0.444803	M	4.5	294.3	0.92	27.23	26.51	90.93	6.22	13.15	7.88	24.1
2015/10/30	MF	US2	0.445347	T	1.1	299.7	0.5	27.32	26.29	91.14	6.23	9.06	7.87	16.4
2015/10/30	MF	US2	0.445926	B	7.5	257.3	0.53	27.21	26.54	90.54	6.19	17.55	7.88	20.4
2015/10/30	MF	US2	0.446447	M	4.5	287.7	0.6	27.25	26.47	90.95	6.22	11.96	7.88	22.7
2015/10/30	MF	US2	0.446968	T	0.9	288.5	0.53	27.38	26.24	91.36	6.24	7.67	7.87	15.4
2015/10/30	ME	US1	0.569653	B	8.9	125.2	0.37	27.25	26.65	88.69	6.06	16.45	7.83	31.4
2015/10/30	ME	US1	0.570243	M	5.6	140.6	0.79	27.27	26.43	88.28	6.04	11.76	7.83	15.9
2015/10/30	ME	US1	0.570718	T	0.8	88.4	0.95	27.66	25.25	90.48	6.19	5.77	7.82	6.9
2015/10/30	ME	US1	0.571181	B	8.9	126.9	0.06	27.25	26.68	87.58	5.98	20.04	7.83	30.8
2015/10/30	ME	US1	0.571979	M	5.5	115.7	0.68	27.28	26.37	88.07	6.02	11.46	7.83	15.3
2015/10/30	ME	US1	0.572442	T	1.1	112.4	0.64	27.43	25.52	89.76	6.15	6.57	7.82	7.1
2015/10/30	ME	US2	0.57559	B	7.9	118.8	0.59	27.26	26.5	89.13	6.09	15.55	7.83	14.2
2015/10/30	ME	US2	0.576088	M	5.1	97.7	0.57	27.29	26.07	87.92	6.02	9.76	7.83	14.4
2015/10/30	ME	US2	0.576586	T	0.9	93.9	0.79	27.65	25.57	90.81	6.2	6.97	7.83	15.5
2015/10/30	ME	US2	0.57713	B	8	100.6	0.44	27.26	26.51	87.71	6	17.74	7.84	13.1
2015/10/30	ME	US2	0.577604	M	5	110.4	0.59	27.28	26.15	87.71	6.01	10.56	7.83	13.8
2015/10/30	ME	US2	0.578079	T	0.9	128.7	0.28	27.64	25.57	90.3	6.17	7.37	7.83	15.2
2015/10/30	ME	DS1	0.58235	B	6.6	113.1	0.67	27.27	26.44	89.46	6.12	10.96	7.85	26.9
2015/10/30	ME	DS1	0.582685	M	4.7	120.6	0.48	27.33	26.14	89.05	6.09	10.36	7.85	12.2
2015/10/30	ME	DS1	0.58331	T	0.9	97	0.8	27.72	25.35	92.24	6.3	5.27	7.85	5.0
2015/10/30	ME	DS1	0.58397	B	6.9	93.2	0.74	27.27	26.45	87.84	6.01	11.56	7.85	26.4
2015/10/30	ME	DS1	0.584502	M	4.5	114.8	0.89	27.33	26.02	88.83	6.08	8.66	7.85	11.6
2015/10/30	ME	DS1	0.584965	T	1	65.5	0.63	27.67	25.45	91.12	6.22	5.97	7.85	5.0
2015/10/30	ME	DS2	0.588333	B	6.8	70.7	0.15	27.32	26.52	90.99	6.21	7.57	7.86	13.4
2015/10/30	ME	DS2	0.588808	M	4.5	127.7	0.61	27.31	26.28	89.19	6.1	8.56	7.86	9.5
2015/10/30	ME	DS2	0.589329	T	0.8	106.7	0.79	27.82	24.98	92.47	6.32	4.97	7.85	8.1
2015/10/30	ME	DS2	0.590012	B	7.2	82	0.47	27.27	26.82	87.88	6	10.86	7.86	13.9
2015/10/30	ME	DS2	0.590382	M	4.2	100	0.87	27.33	26.2	88.67	6.07	8.26	7.86	9.3
2015/10/30	ME	DS2	0.590729	T	0.9	119.7	0.61	27.57	25.47	90.86	6.22	5.87	7.85	7.9
2015/10/30	ME	DS3	0.593854	B	5.7	95.8	0.32	27.39	26.07	91.33	6.25	5.97	7.85	7.5
2015/10/30	ME	DS3	0.594306	M	4.1	114.4	0.64	27.49	25.79	91.12	6.23	4.87	7.85	7.2
2015/10/30	ME	DS3	0.594734	T	1	81.9	1.11	27.84	25.09	93.31	6.37	4.47	7.85	5.7
2015/10/30	ME	DS3	0.595289	B	5.8	83.5	0.42	27.38	26.25	89.82	6.14	6.67	7.86	7.6