

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)
2015/10/21	ME	MW1	0.19978	B	19	73	0.57	27.05	30.48	85.71	5.75	2.18	7.74	9.3
2015/10/21	ME	MW1	0.200475	M	10.1	350.3	0.27	26.94	29.63	86.1	5.82	1.68	7.74	16.7
2015/10/21	ME	MW1	0.200972	T	1	25.3	0.46	26.76	28.52	88.29	6.02	1.48	7.77	3.9
2015/10/21	ME	MW1	0.20162	B	18.8	148.8	0.25	27.05	30.38	84.99	5.71	2.08	7.78	9.7
2015/10/21	ME	MW1	0.202106	M	9.3	286.4	0.16	26.9	29.49	85.78	5.8	1.68	7.79	16.6
2015/10/21	ME	MW1	0.202488	T	1.3	60.7	0.31	26.74	28.64	88.07	6	1.38	7.8	3.8
2015/10/21	ME	DS1	0.253623	B	8.1	50.2	0.46	26.96	29.17	86.89	5.88	3.47	7.85	7.8
2015/10/21	ME	DS1	0.254086	M	5.2	110.7	0.48	26.77	27.78	88.07	6.03	3.27	7.88	6.1
2015/10/21	ME	DS1	0.254583	T	1.2	106.3	0.51	26.66	26.74	90.73	6.26	1.78	7.89	3.8
2015/10/21	ME	DS1	0.255046	B	8	52.6	0.21	26.95	29.16	84.4	5.72	4.87	7.87	7.8
2015/10/21	ME	DS1	0.255382	M	4.8	113.2	0.59	26.79	27.95	85.78	5.86	3.97	7.89	6.3
2015/10/21	ME	DS1	0.255833	T	0.5	119.2	0.55	26.62	26.56	90.61	6.26	1.78	7.89	3.9
2015/10/21	ME	DS2	0.2589	B	6.7	98.8	0.33	26.88	28.72	85.24	5.79	5.07	7.84	6.6
2015/10/21	ME	DS2	0.259699	M	5	61.9	0.85	26.84	27.9	83.25	5.69	2.48	7.84	3.4
2015/10/21	ME	DS2	0.260266	T	0.9	72.2	0.56	26.65	26.85	89.27	6.16	1.88	7.87	6.1
2015/10/21	ME	DS2	0.260914	B	7.1	52.5	0.29	26.87	28.76	89.36	6.07	2.38	7.86	6.5
2015/10/21	ME	DS2	0.26125	M	4.3	107.7	0.2	26.79	27.5	84.22	5.77	3.87	7.86	3.4
2015/10/21	ME	DS2	0.261609	T	1.2	91.5	0.39	26.66	26.76	88.76	6.12	2.28	7.88	5.9
2015/10/21	ME	DS3	0.26478	B	6.8	42	0.18	27.03	29.02	83.88	5.68	4.27	7.82	5.1
2015/10/21	ME	DS3	0.265313	M	4.5	79.7	0.51	26.87	27.94	81.7	5.58	2.68	7.82	4.2
2015/10/21	ME	DS3	0.265683	T	0.9	106.4	0.43	26.56	26.71	87.42	6.04	1.88	7.86	4.7
2015/10/21	ME	DS3	0.2661	B	7.2	84.4	0.44	27	29	80.9	5.48	4.97	7.83	4.7
2015/10/21	ME	DS3	0.26647	M	4.6	103.1	0.56	26.87	27.89	82.08	5.61	2.77	7.83	4.2
2015/10/21	ME	DS3	0.266968	T	1.3	97.7	0.45	26.55	26.63	88.68	6.13	1.88	7.86	4.6
2015/10/21	ME	DS4	0.270046	B	6.8	53.8	0.18	27.07	29.13	83.52	5.65	3.17	7.81	4.7
2015/10/21	ME	DS4	0.270347	M	4.4	70.5	0.59	26.89	28.11	81.44	5.55	2.87	7.83	4.9
2015/10/21	ME	DS4	0.270799	T	0.9	146.8	0.3	26.56	26.73	88.04	6.08	1.68	7.85	4.4
2015/10/21	ME	DS4	0.271285	B	6.7	254.2	0.19	27.08	29.13	80.05	5.41	3.57	7.82	4.9
2015/10/21	ME	DS4	0.271597	M	4.5	64.3	0.35	26.86	28.07	80.64	5.5	2.77	7.83	4.8
2015/10/21	ME	DS4	0.27191	T	1.1	103.1	0.51	26.52	26.71	86.65	5.99	1.88	7.85	4.3
2015/10/21	ME	DS5	0.277106	B	10.2	125.6	0.51	27.1	29.25	77.81	5.25	4.47	7.82	6.0
2015/10/21	ME	DS5	0.277627	M	5	130.6	0.59	26.95	28.22	79.09	5.38	2.77	7.83	5.8
2015/10/21	ME	DS5	0.278009	T	1.1	113.9	0.7	26.53	26.69	85.88	5.94	1.68	7.85	4.4
2015/10/21	ME	DS5	0.278507	B	9.2	120.3	0.48	27.1	29.24	78.88	5.33	3.87	7.82	6.0
2015/10/21	ME	DS5	0.278808	M	5.7	101.2	0.71	26.98	28.51	78.19	5.31	3.17	7.83	6.2
2015/10/21	ME	DS5	0.279144	T	0.9	80.5	0.9	26.53	26.69	85.07	5.88	1.78	7.85	4.6
2015/10/21	ME	US1	0.290255	B	7.8	67.6	0.47	26.9	29.34	88.67	6	13.05	7.86	16.6
2015/10/21	ME	US1	0.290648	M	5.2	103.5	0.46	26.89	29.04	86.01	5.83	18.54	7.86	40.7
2015/10/21	ME	US1	0.291042	T	0.9	131.5	0.63	26.79	26.82	86.2	5.93	4.27	7.82	4.6
2015/10/21	ME	US1	0.29147	B	7.8	86.3	0.78	26.91	29.34	85.01	5.76	13.05	7.87	16.2
2015/10/21	ME	US1	0.291748	M	5.1	104.5	0.54	26.88	28.86	84.81	5.76	16.25	7.86	41.7
2015/10/21	ME	US1	0.292361	T	0.9	109.2	1.65	26.62	26.59	87.36	6.04	1.88	7.82	4.5
2015/10/21	ME	US2	0.295544	B	7.8	39.2	0.45	27	29.24	83.69	5.66	16.05	7.82	31.4
2015/10/21	ME	US2	0.295891	M	5	127.1	0.53	26.94	28.66	82.89	5.63	9.76	7.83	15.0
2015/10/21	ME	US2	0.296262	T	0.9	96.6	0.58	26.74	26.77	86.03	5.93	2.48	7.81	2.7
2015/10/21	ME	US2	0.296736	B	8.1	144	0.29	27.01	29.28	82.2	5.56	13.35	7.83	32.9
2015/10/21	ME	US2	0.297072	M	4.9	93.7	0.69	26.93	28.56	82.59	5.61	8.56	7.84	14.4
2015/10/21	ME	US2	0.297477	T	1.2	99.6	0.64	26.73	26.75	85.53	5.89	2.48	7.82	2.5
2015/10/21	MF	DS1	0.559884	B	8	311.8	0.28	27.12	29.44	86.12	5.81	4.77	7.85	9.1
2015/10/21	MF	DS1	0.560359	M	4.8	292.9	0.37	27.08	28.94	86.02	5.82	4.17	7.86	5.4
2015/10/21	MF	DS1	0.56088	T	0.9	311.4	0.2	27.13	27.98	91.23	6.2	3.07	7.87	5.1
2015/10/21	MF	DS1	0.561412	B	7.9	210.2	0.6	27.1	29.29	84.72	5.72	3.87	7.85	9.0
2015/10/21	MF	DS1	0.561817	M	5	277.5	0.35	27.08	28.68	85.53	5.79	3.77	7.86	5.2
2015/10/21	MF	DS1	0.562199	T	1.1	330.4	0.6	27.14	28.06	85.53	5.81	3.77	7.88	5.2
2015/10/21	MF	DS2	0.565139	B	7.1	269.1	0.13	27.15	29.86	85.24	5.73	7.47	7.85	8.1
2015/10/21	MF	DS2	0.565579	M	4.5	251.5	0.51	27.13	29.37	84.04	5.67	4.27	7.85	5.7
2015/10/21	MF	DS2	0.566042	T	0.9	261.8	0.57	27.14	27.98	90.16	6.13	2.68	7.88	5.4
2015/10/21	MF	DS2	0.566505	B	7.2	223.6	0.43	27.16	29.87	83.05	5.58	6.57	7.85	8.3

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2015/10/21	MF	DS2	0.566979	M	4.4	308.4	0.51	27.13	29.31	82.85	5.59	4.17	7.86	5.9
2015/10/21	MF	DS2	0.567361	T	1.1	325.6	0.43	27.13	28.11	88.56	6.01	2.68	7.89	5.3
2015/10/21	MF	DS3	0.571458	B	25.1	353.2	0.16	27.14	29.65	81.77	5.5	20.14	7.85	39.1
2015/10/21	MF	DS3	0.572153	M	13.4	334.2	0.14	27.09	29.46	81.27	5.48	21.34	7.86	33.0
2015/10/21	MF	DS3	0.572639	T	1.5	234.3	0.28	27.15	28.01	85.48	5.81	6.77	7.87	8.7
2015/10/21	MF	DS3	0.573403	B	24.7	162.7	0.36	27.11	29.54	80.78	5.44	31.42	7.85	39.9
2015/10/21	MF	DS3	0.573669	B	24.5	350.9	0.12	27.12	29.59	80.58	5.43	28.42	7.85	0.0
2015/10/21	MF	DS3	0.574433	M	13.6	60.7	0.4	27.11	29.54	80.78	5.44	27.63	7.84	33.9
2015/10/21	MF	DS3	0.574988	T	0.9	273	0.37	27.21	27.72	88.6	6.02	5.57	7.88	8.8
2015/10/21	MF	DS4	0.580509	B	24.4	82.8	0.22	27.11	29.12	82.62	5.58	12.36	7.85	31.0
2015/10/21	MF	DS4	0.581169	M	13.5	293.5	0.13	27.11	29.04	83.12	5.62	9.46	7.85	13.6
2015/10/21	MF	DS4	0.581806	T	1.1	273.5	0.18	27.2	26.97	93.55	6.39	2.77	7.9	6.5
2015/10/21	MF	DS4	0.582407	B	22.7	310.9	0.27	27.11	29.11	83.53	5.64	11.76	7.85	30.4
2015/10/21	MF	DS4	0.582963	M	13.2	352.8	0.37	27.11	28.99	82.83	5.6	11.86	7.86	12.8
2015/10/21	MF	DS4	0.583553	T	1	16.2	0.34	27.19	27.06	92.76	6.33	2.87	7.9	6.7
2015/10/21	MF	DS5	0.586806	B	8.1	296.4	0.15	27.04	28.92	84.35	5.71	7.37	7.85	11.4
2015/10/21	MF	DS5	0.587245	M	4.8	338	0.22	27.02	28.56	83.75	5.68	4.27	7.86	4.8
2015/10/21	MF	DS5	0.58765	T	1	317	0.42	27.15	27.22	92.18	6.29	3.17	7.89	6.7
2015/10/21	MF	DS5	0.588206	B	8.2	355.5	0.05	27.03	28.88	83.06	5.63	6.57	7.85	12.1
2015/10/21	MF	DS5	0.588657	M	5	314.2	0.33	27	28.66	82.16	5.57	4.57	7.85	4.8
2015/10/21	MF	DS5	0.589028	T	1	27.6	0.99	27.18	26.65	94.09	6.44	2.08	7.91	6.9
2015/10/21	MF	US1	0.598333	B	7.1	272.9	0.61	27.06	29.45	84.61	5.71	12.36	7.85	35.3
2015/10/21	MF	US1	0.598819	M	4.6	270.6	0.55	27.04	28.61	84.92	5.76	4.97	7.85	7.6
2015/10/21	MF	US1	0.599294	T	1.1	296.2	0.91	27.17	27.67	94.55	6.43	2.87	7.89	6.9
2015/10/21	MF	US1	0.599769	B	6.9	263.5	0.71	27.05	29.44	84.62	5.71	14.45	7.85	36.1
2015/10/21	MF	US1	0.600266	M	4.5	290.6	0.86	27.04	28.7	84.62	5.74	4.47	7.85	7.6
2015/10/21	MF	US1	0.600683	T	1	282.7	0.87	27.2	27.61	95.47	6.49	2.48	7.9	6.8
2015/10/21	MF	US2	0.605394	B	6.8	233.5	0.43	27.07	29.43	83.95	5.66	10.66	7.85	12.8
2015/10/21	MF	US2	0.605903	M	4.5	262.7	0.19	27.04	28.76	84.65	5.74	4.17	7.85	4.9
2015/10/21	MF	US2	0.60647	T	1.1	323.8	0.62	27.15	27.48	96.5	6.57	2.58	7.9	4.8
2015/10/21	MF	US2	0.606921	B	6.7	289.4	0.86	27.06	29.43	84.76	5.72	10.46	7.85	13.0
2015/10/21	MF	US2	0.607373	M	4.6	259.1	0.41	27.03	28.78	84.86	5.75	4.47	7.85	4.8
2015/10/21	MF	US2	0.607801	T	0.8	251.5	0.46	27.15	27.51	95.01	6.47	2.48	7.9	4.8
2015/10/21	MF	MW1	0.643819	B	18.8	355.1	0.19	27.11	31.38	84.04	5.61	7.47	7.94	8.7
2015/10/21	MF	MW1	0.644433	M	10.3	126	0.15	27.12	30.83	83.74	5.6	4.37	7.92	5.8
2015/10/21	MF	MW1	0.645127	T	1	357.4	0.18	27.18	29.51	88.88	5.98	1.78	7.91	6.4
2015/10/21	MF	MW1	0.645822	B	19	122.1	0.14	27.11	31.35	82.24	5.49	8.76	7.9	8.9
2015/10/21	MF	MW1	0.646516	M	10.5	85.8	0.15	27.12	30.82	83.05	5.56	3.77	7.89	5.4