

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)
2015/11/04	ME	MW1	0.220787	B	18.7	359.2	0.22	26.39	31.04	89.78	6.07	3.07	7.79	3.5
2015/11/04	ME	MW1	0.221377	M	10.7	117.6	0.2	26.4	31.05	89.77	6.07	2.97	7.8	3.9
2015/11/04	ME	MW1	0.222037	T	1.1	263.7	0.23	26.23	30.51	90.76	6.17	2.77	7.83	1.0
2015/11/04	ME	MW1	0.222697	B	18.9	352.1	0.18	26.4	31.04	89.25	6.04	2.97	7.86	3.5
2015/11/04	ME	MW1	0.223287	M	10.5	137.3	0.14	26.39	30.97	89.65	6.07	2.87	7.88	3.7
2015/11/04	ME	MW1	0.223854	T	1.2	54.3	0.54	26.26	30.5	90.54	6.16	2.58	7.89	1.0
2015/11/04	ME	US1	0.270208	B	8.2	116.5	0.43	26.1	30.26	92.53	6.32	10.36	7.97	10.4
2015/11/04	ME	US1	0.270706	M	4.9	118.3	0.56	26.18	29.8	91.53	6.26	4.47	7.96	4.7
2015/11/04	ME	US1	0.271204	T	1	111	0.68	26.01	28.59	94.5	6.52	2.08	7.95	2.2
2015/11/04	ME	US1	0.271759	B	7.9	102.7	0.61	26.11	30.25	92.02	6.28	10.56	7.97	11.1
2015/11/04	ME	US1	0.272361	M	5	124.2	0.85	26.17	29.71	91.41	6.25	3.87	7.95	4.6
2015/11/04	ME	US1	0.272917	T	1.1	114.5	0.75	25.98	28.57	94.28	6.51	1.98	7.94	2.1
2015/11/04	ME	US2	0.275683	B	7.9	97.5	0.16	26.29	29.84	89.79	6.12	4.27	7.93	4.9
2015/11/04	ME	US2	0.276123	M	5	106	0.59	26.17	29.33	92.16	6.32	2.97	7.94	3.1
2015/11/04	ME	US2	0.27669	T	1.1	82.4	0.71	26.1	29.02	93.54	6.43	2.77	7.95	6.4
2015/11/04	ME	US2	0.277141	B	8.1	124.7	0.5	26.3	29.91	93.43	6.37	2.68	7.94	4.8
2015/11/04	ME	US2	0.277813	M	5.1	97.9	0.5	26.17	29.29	91.94	6.3	2.87	7.95	3.0
2015/11/04	ME	US2	0.278461	T	1.1	109.8	0.75	26.03	28.87	93.52	6.44	2.58	7.95	6.2
2015/11/04	ME	DS1	0.282627	B	7.1	108.3	0.44	26.1	29.51	95.05	6.52	3.47	7.94	4.3
2015/11/04	ME	DS1	0.283206	M	4.5	119.1	0.21	26.03	28.9	94.35	6.5	2.38	7.94	2.4
2015/11/04	ME	DS1	0.283715	T	1.2	135.3	0.62	25.94	28.51	95.03	6.57	1.78	7.94	4.7
2015/11/04	ME	DS1	0.284259	B	7	94.6	0.45	26.09	29.82	92.65	6.34	8.36	7.96	4.4
2015/11/04	ME	DS1	0.284815	M	4.6	88.2	0.51	26.04	28.86	94.32	6.5	2.48	7.95	2.2
2015/11/04	ME	DS1	0.28544	T	1.1	75.2	0.91	25.95	28.52	94.71	6.55	1.88	7.94	4.8
2015/11/04	ME	DS2	0.28853	B	7	94.3	0.32	26.07	29.92	93.78	6.42	6.27	7.95	10.1
2015/11/04	ME	DS2	0.28912	M	4.6	101.9	0.47	25.98	29.05	94.66	6.52	4.17	7.95	8.8
2015/11/04	ME	DS2	0.289606	T	1	116	0.5	25.92	28.49	95.55	6.61	1.78	7.94	3.9
2015/11/04	ME	DS2	0.290185	B	7.1	49.8	0.36	26.07	29.95	92.18	6.31	7.67	7.96	10.5
2015/11/04	ME	DS2	0.290683	M	4.5	120.6	0.66	25.99	28.73	94.74	6.54	2.58	7.95	8.3
2015/11/04	ME	DS2	0.291227	T	1.1	78.1	0.55	25.93	28.48	95.23	6.59	1.68	7.94	3.6
2015/11/04	ME	DS3	0.294815	B	6.1	94.6	0.43	26.04	29.54	93.4	6.41	6.77	7.94	7.8
2015/11/04	ME	DS3	0.295718	M	4.1	82.9	0.34	25.86	28.6	95.47	6.61	1.88	7.94	4.0
2015/11/04	ME	DS3	0.296262	T	1.1	115.7	0.58	25.83	28.48	95.95	6.65	1.58	7.94	2.1
2015/11/04	ME	DS3	0.296713	B	6.1	76.5	0.43	26.03	29.56	93.08	6.39	6.67	7.94	8.3
2015/11/04	ME	DS3	0.297211	M	4.1	103.8	0.55	25.85	28.55	95.05	6.58	1.98	7.94	4.1
2015/11/04	ME	DS3	0.297986	T	1	104.8	0.7	25.83	28.48	95.93	6.65	2.58	7.94	2.0
2015/11/04	ME	DS4	0.301331	B	7	218.6	0.24	26.12	29.73	90.46	6.19	9.46	7.93	13.7
2015/11/04	ME	DS4	0.301782	M	4.4	92.6	0.81	26.09	29.64	91.14	6.25	6.57	7.93	2.8
2015/11/04	ME	DS4	0.302384	T	1	83.7	0.75	25.83	28.64	94.89	6.57	1.78	7.94	1.0
2015/11/04	ME	DS4	0.302928	B	7.1	89.7	0.39	26.12	29.75	90.53	6.2	9.26	7.94	14.4
2015/11/04	ME	DS4	0.303472	M	4.5	99.4	0.63	26.05	29.45	91.91	6.31	4.37	7.94	2.9
2015/11/04	ME	DS4	0.304167	T	1.2	116.7	0.41	25.83	28.62	94.96	6.57	1.58	7.94	1.0
2015/11/04	ME	DS5	0.307928	B	8.9	91.9	0.28	26.25	29.9	87.91	6	7.96	7.91	7.3
2015/11/04	ME	DS5	0.308542	M	5.5	94.7	0.71	25.94	29.05	91.45	6.3	2.97	7.93	3.6
2015/11/04	ME	DS5	0.309097	T	1.1	73.6	0.47	25.85	28.79	93.91	6.49	1.88	7.93	2.8
2015/11/04	ME	DS5	0.309711	B	8.9	114.2	0.42	26.23	29.84	88.18	6.02	9.36	7.92	7.4
2015/11/04	ME	DS5	0.310417	M	5.5	107.4	0.72	25.88	28.84	92.61	6.4	2.08	7.92	3.4
2015/11/04	ME	DS5	0.311111	T	1.1	137.8	0.42	25.85	28.79	93.98	6.5	1.78	7.93	3.0
2015/11/04	MF	DS1	0.587766	B	7.8	276.2	0.49	26.28	30.07	90.43	6.16	10.06	7.94	5.4
2015/11/04	MF	DS1	0.588391	M	5	224.8	0.25	26.22	29.6	92.22	6.31	5.37	7.94	5.4
2015/11/04	MF	DS1	0.588924	T	0.8	301.1	0.67	26.45	28.74	99.91	6.84	2.08	7.95	2.7
2015/11/04	MF	DS1	0.589583	B	8.1	298.9	0.2	26.26	29.94	91.02	6.21	8.06	7.94	5.5
2015/11/04	MF	DS1	0.590069	M	5.1	311.1	0.4	26.24	29.68	92.02	6.29	4.77	7.95	5.2
2015/11/04	MF	DS1	0.590486	T	1	289.8	0.49	26.37	28.85	98.01	6.71	2.48	7.96	2.9
2015/11/04	MF	DS2	0.593438	B	8.2	297.6	0.29	26.31	30.04	92.1	6.27	13.75	7.95	13.6
2015/11/04	MF	DS2	0.594005	M	4.8	284.7	0.32	26.31	29.95	90.8	6.19	8.26	7.95	3.7
2015/11/04	MF	DS2	0.594572	T	0.8	285	0.42	26.39	28.93	98.29	6.73	2.38	7.96	4.1
2015/11/04	MF	DS2	0.595116	B	8.1	288.4	0.25	26.31	30.05	90.8	6.18	14.85	7.95	13.0

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2015/11/04	MF	DS2	0.595648	M	5.1	287.8	0.59	26.29	29.93	90.99	6.2	8.36	7.95	3.8
2015/11/04	MF	DS2	0.596134	T	0.9	275.1	0.64	26.4	28.89	97.58	6.68	2.48	7.96	4.2
2015/11/04	MF	DS3	0.601192	B	21	290.4	0.17	26.31	29.96	90.87	6.19	8.36	7.96	11.3
2015/11/04	MF	DS3	0.601782	M	11.4	278.1	0.32	26.24	29.41	92.87	6.36	4.87	7.96	7.1
2015/11/04	MF	DS3	0.602384	T	1	284.3	0.54	26.54	28.7	101.45	6.94	1.88	7.98	1.0
2015/11/04	MF	DS3	0.603345	B	21	225.8	0.24	26.31	30.01	90.26	6.15	8.56	7.96	10.8
2015/11/04	MF	DS3	0.603889	M	11.4	307.7	0.19	26.27	29.45	93.36	6.38	3.87	7.96	7.5
2015/11/04	MF	DS3	0.604525	T	1	300	0.57	26.49	28.85	99.84	6.83	1.98	7.97	1.0
2015/11/04	MF	DS4	0.607488	B	10.2	269.6	0.15	26.33	30.1	92.14	6.27	11.46	7.95	15.1
2015/11/04	MF	DS4	0.607975	M	6.1	290.9	0.42	26.3	29.86	91.94	6.27	8.66	7.95	11.1
2015/11/04	MF	DS4	0.608727	T	0.8	305.7	0.3	26.24	28.77	97.83	6.72	2.68	7.97	6.1
2015/11/04	MF	DS4	0.609525	B	9.9	290.9	0.35	26.34	30.17	89.84	6.11	14.05	7.95	16.0
2015/11/04	MF	DS4	0.610046	M	6	313.7	0.77	26.29	29.84	91.53	6.24	10.36	7.96	10.9
2015/11/04	MF	DS4	0.610544	T	0.9	303.4	0.44	26.24	28.89	97.72	6.71	3.07	7.97	6.0
2015/11/04	MF	DS5	0.613681	B	10	242.2	0.2	26.35	30.25	89.82	6.11	12.95	7.95	17.5
2015/11/04	MF	DS5	0.614387	M	6	316	0.55	26.27	29.34	93.81	6.42	4.07	7.96	13.2
2015/11/04	MF	DS5	0.615023	T	0.9	297.9	0.58	26.4	28.7	99.5	6.82	2.18	7.97	4.6
2015/11/04	MF	DS5	0.61559	B	9.8	281.4	0.36	26.35	30.25	90.11	6.13	11.26	7.96	17.5
2015/11/04	MF	DS5	0.616088	M	5.9	297.1	0.57	26.25	29.4	93.01	6.36	4.77	7.96	13.7
2015/11/04	MF	DS5	0.616551	T	1.1	72.3	0.17	26.55	28.62	100.49	6.87	1.88	7.98	4.5
2015/11/04	MF	US1	0.625475	B	7.9	175.5	0.24	26.36	30.07	90.67	6.17	13.75	7.96	9.7
2015/11/04	MF	US1	0.625868	M	4.8	319.8	0.47	26.27	29.32	93.46	6.4	5.17	7.96	15.3
2015/11/04	MF	US1	0.626505	T	1	246.8	0.42	26.46	28.89	99.15	6.78	2.68	7.97	4.5
2015/11/04	MF	US1	0.627095	B	7.9	225.3	0.38	26.37	30.1	90.47	6.15	11.56	7.96	9.1
2015/11/04	MF	US1	0.627778	M	4.9	278.5	0.39	26.27	29.33	93.95	6.43	4.07	7.95	14.4
2015/11/04	MF	US1	0.628472	T	1	272	0.29	26.43	28.9	98.64	6.75	2.58	7.96	4.7
2015/11/04	MF	US2	0.632338	B	6	253.1	0.54	26.33	29.88	91.24	6.22	8.06	7.94	6.2
2015/11/04	MF	US2	0.632813	M	4	271.4	0.38	26.36	29.08	95.73	6.55	3.97	7.95	8.8
2015/11/04	MF	US2	0.633322	T	1	293.5	0.34	26.38	28.97	97.42	6.67	3.47	7.95	4.0
2015/11/04	MF	US2	0.633889	B	5.9	269	0.36	26.31	29.76	92.03	6.28	6.07	7.95	6.1
2015/11/04	MF	US2	0.634375	M	4	270.2	0.34	26.35	29.1	95.52	6.54	3.77	7.95	9.1
2015/11/04	MF	US2	0.634884	T	1	298.8	0.73	26.36	28.95	97.32	6.66	3.07	7.95	4.0
2015/11/04	MF	MW1	0.671806	B	19.1	38.5	0.36	26.45	31.31	88.59	5.98	8.46	7.96	5.4
2015/11/04	MF	MW1	0.672569	M	10.4	82.2	0.17	26.47	31	88.99	6.01	5.47	7.95	8.5
2015/11/04	MF	MW1	0.673113	T	1.1	254	0.24	26.43	30.59	88.19	5.98	4.17	7.93	6.8
2015/11/04	MF	MW1	0.674352	B	19	119.3	0.3	26.45	31.31	87.49	5.9	8.56	7.95	5.1
2015/11/04	MF	MW1	0.675023	M	10.5	34.9	0.37	26.47	31.02	88.68	5.99	5.47	7.95	8.2
2015/11/04	MF	MW1	0.676076	T	0.9	261	0.42	26.43	30.51	86.99	5.9	3.87	7.93	6.5