

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)
2015/10/09	ME	MW1	0.404792	B	18.1	0.3	0.21	28.21	30.59	78.16	5.14	7.37	7.58	4.9
2015/10/09	ME	MW1	0.405313	M	9.8	216.4	0.13	28.19	27.89	78.05	5.21	5.67	7.57	10.2
2015/10/09	ME	MW1	0.405856	T	0.9	101.6	0.38	27.96	23.03	84.02	5.79	3.67	7.58	20.0
2015/10/09	ME	MW1	0.406771	B	18.1	102.7	0.58	28.21	30.48	77.63	5.11	6.37	7.66	5.1
2015/10/09	ME	MW1	0.407477	M	10.1	348.7	0.22	28.19	27.86	77.43	5.17	5.27	7.65	9.4
2015/10/09	ME	MW1	0.407998	T	0.9	52.9	0.26	27.92	22.27	84.38	5.84	3.57	7.64	18.5
2015/10/09	ME	DS1	0.4589	B	5.5	87.2	0.27	28.2	24.72	73.3	4.98	12.26	7.7	15.6
2015/10/09	ME	DS1	0.459317	M	4	92.6	0.43	28.2	24.16	72.8	4.97	8.86	7.71	13.2
2015/10/09	ME	DS1	0.459896	T	1	77.9	0.44	28.25	18.36	84.44	5.94	4.27	7.72	13.1
2015/10/09	ME	DS1	0.46191	B	6	86.7	0.17	28.2	25.75	71.98	4.87	17.94	7.72	16.1
2015/10/09	ME	DS1	0.462303	M	4.1	110.2	0.54	28.19	24.45	71.78	4.89	11.26	7.72	12.2
2015/10/09	ME	DS1	0.462674	T	1.3	192.1	0.18	28.2	19.14	79.07	5.55	5.37	7.72	12.5
2015/10/09	ME	DS2	0.465903	B	5.1	80.2	0.41	28.2	25.05	73.71	5	10.86	7.69	4.5
2015/10/09	ME	DS2	0.466238	M	3.6	96.4	0.54	28.2	23.19	74.1	5.08	7.47	7.7	9.3
2015/10/09	ME	DS2	0.466655	T	0.9	56.5	0.15	28.22	18.44	83.16	5.85	4.77	7.72	13.4
2015/10/09	ME	DS2	0.467315	B	5	107.1	0.48	28.2	25.04	73.99	5.02	10.36	7.7	4.6
2015/10/09	ME	DS2	0.467755	M	3.3	136.4	0.21	28.19	22.05	76.05	5.25	6.57	7.71	9.3
2015/10/09	ME	DS2	0.468079	T	1	147.3	0.6	28.21	18.39	81.66	5.75	4.87	7.72	13.7
2015/10/09	ME	DS3	0.471632	B	4.8	132.5	0.49	28.21	25	77.58	5.27	7.76	7.7	7.2
2015/10/09	ME	DS3	0.472095	M	3.3	45.7	0.24	28.18	21.54	78.85	5.46	4.77	7.71	9.1
2015/10/09	ME	DS3	0.472535	T	1.1	55.7	0.22	28.31	18.13	86.32	6.08	4.07	7.72	12.4
2015/10/09	ME	DS3	0.473113	B	5.4	76	0.5	28.2	25.29	71.55	4.85	8.26	7.7	7.7
2015/10/09	ME	DS3	0.473553	M	3.2	77.3	0.57	28.18	20.63	81.49	5.67	4.57	7.71	9.8
2015/10/09	ME	DS3	0.473993	T	0.6	96.2	0.71	28.39	17.73	86.3	6.08	4.07	7.72	11.8
2015/10/09	ME	DS4	0.477743	B	5.1	78.3	0.4	28.22	24.09	75.82	5.17	5.17	7.7	4.0
2015/10/09	ME	DS4	0.478171	M	3.6	101.9	0.18	28.27	18.91	84.47	5.92	4.17	7.72	4.9
2015/10/09	ME	DS4	0.47853	T	0.8	92.4	0.68	28.35	17.77	88.3	6.22	4.07	7.73	8.6
2015/10/09	ME	DS4	0.479005	B	4.8	145.7	0.37	28.21	23.32	74.82	5.13	5.27	7.7	3.9
2015/10/09	ME	DS4	0.47934	M	3.7	71.2	0.68	28.23	19.77	79.74	5.57	4.37	7.72	4.7
2015/10/09	ME	DS4	0.479803	T	1	33.3	0.11	28.31	17.82	88.28	6.23	4.07	7.73	8.7
2015/10/09	ME	DS5	0.484109	B	7.8	120.2	0.79	28.22	24.91	76.04	5.16	5.27	7.69	4.6
2015/10/09	ME	DS5	0.484433	M	5.2	130.4	0.28	28.23	18.94	82.12	5.76	4.37	7.7	7.7
2015/10/09	ME	DS5	0.484954	T	1.1	54.2	0.61	28.35	17.49	89.97	6.35	3.97	7.72	14.6
2015/10/09	ME	DS5	0.485532	B	7.5	60.4	0.23	28.22	24.81	74.06	5.03	5.37	7.7	4.5
2015/10/09	ME	DS5	0.485914	M	5.1	106.9	0.34	28.19	18.63	82.59	5.81	4.17	7.71	7.8
2015/10/09	ME	DS5	0.486412	T	0.9	47.3	1.61	28.33	17.38	89.85	6.35	4.07	7.73	14.7
2015/10/09	ME	US1	0.495891	B	7.2	96.5	0.43	28.14	26.54	77.75	5.24	28.52	7.79	0.0
2015/10/09	ME	US1	0.496725	B	7.1	109.9	0.44	28.14	26.56	75.48	5.09	28.22	7.79	4.9
2015/10/09	ME	US1	0.497176	M	4.5	108.1	0.32	28.16	25.12	74.69	5.07	10.76	7.76	7.0
2015/10/09	ME	US1	0.497558	T	0.5	125.2	0.95	28.45	19.74	80.87	5.63	5.57	7.72	6.5
2015/10/09	ME	US1	0.498171	B	7.3	67	0.49	28.14	26.61	75.56	5.09	28.62	7.79	4.7
2015/10/09	ME	US1	0.498681	B	6.8	96.7	0.73	28.14	26.65	75.26	5.07	22.83	7.8	0.0
2015/10/09	ME	US1	0.499144	M	4.6	68.7	0.5	28.16	25.43	72.71	4.93	11.06	7.75	6.9
2015/10/09	ME	US1	0.499618	T	1.1	123.8	0.71	28.42	19.94	81.23	5.65	4.87	7.72	6.9
2015/10/09	ME	US2	0.50272	B	7	5.3	0.15	28.18	27.23	73.65	4.94	14.45	7.74	5.0
2015/10/09	ME	US2	0.503229	M	4.4	103.3	0.45	28.16	26.36	73.35	4.94	10.76	7.76	6.9
2015/10/09	ME	US2	0.503542	T	0.8	100	0.73	28.38	20.45	78.73	5.46	4.47	7.72	7.9
2015/10/09	ME	US2	0.5089	B	6.6	88.2	0.42	28.17	26.61	73.96	4.98	18.14	7.76	5.1
2015/10/09	ME	US2	0.509375	M	4.3	108.5	0.6	28.17	24.49	74.93	5.1	8.26	7.77	7.4
2015/10/09	ME	US2	0.509838	T	0.5	120.4	1.61	28.43	19.58	81.38	5.67	4.77	7.72	7.8
2015/10/09	MF	DS1	0.677789	B	7	287.6	0.52	28.19	27.6	76.77	5.14	27.53	7.84	6.5
2015/10/09	MF	DS1	0.678264	M	4.8	254.3	0.67	28.24	26.45	75.47	5.08	19.24	7.83	5.8
2015/10/09	MF	DS1	0.678692	T	1.3	293.1	0.62	28.42	20.64	84.74	5.87	7.37	7.82	22.8
2015/10/09	MF	DS1	0.679155	B	7	235.7	0.07	28.19	27.64	75.66	5.06	21.44	7.85	6.4
2015/10/09	MF	DS1	0.679606	M	4.4	291.9	0.6	28.28	25.15	75.66	5.12	15.75	7.83	5.6
2015/10/09	MF	DS1	0.679988	T	0.9	277.6	0.92	28.4	20.73	85.22	5.9	6.97	7.82	23.0
2015/10/09	MF	DS2	0.685266	B	6.8	291.7	0.6	28.19	27.47	78.78	5.28	17.84	7.85	17.4
2015/10/09	MF	DS2	0.685718	M	4.4	305.4	0.35	28.37	23.13	79.58	5.44	8.46	7.82	28.3

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2015/10/09	MF	DS2	0.686273	T	1.1	303.6	0.43	28.42	20.49	87.44	6.06	4.97	7.82	36.2
2015/10/09	MF	DS2	0.686806	B	7.1	294.3	0.64	28.2	27.58	75.38	5.04	24.93	7.85	18.3
2015/10/09	MF	DS2	0.687292	M	4.5	323.3	0.53	28.43	20.44	84.94	5.89	7.86	7.83	27.1
2015/10/09	MF	DS2	0.687789	T	1	305.9	1.08	28.42	20.22	88.32	6.13	4.57	7.83	37.4
2015/10/09	MF	DS3	0.6914	B	24.9	271.3	0.09	28.21	28.21	71.95	4.8	18.04	7.84	6.1
2015/10/09	MF	DS3	0.692025	M	13.6	170	0.41	28.18	27.39	73.24	4.91	17.35	7.85	14.9
2015/10/09	MF	DS3	0.69265	T	1.1	54.8	0.46	28.42	20.35	85.47	5.93	6.27	7.83	17.8
2015/10/09	MF	DS3	0.6936	B	24.7	122.2	0.47	28.21	28.15	70.83	4.72	18.04	7.83	6.2
2015/10/09	MF	DS3	0.694259	M	13.6	226.3	0.34	28.18	27.3	73.32	4.92	18.74	7.86	14.7
2015/10/09	MF	DS3	0.694826	T	0.9	356	0.52	28.42	20.42	84.85	5.89	6.67	7.83	17.2
2015/10/09	MF	DS4	0.698472	B	8.1	281.5	0.41	28.21	26.49	77.45	5.21	22.54	7.84	7.1
2015/10/09	MF	DS4	0.698935	M	5	288.2	0.35	28.22	25.4	75.85	5.14	17.35	7.84	18.5
2015/10/09	MF	DS4	0.699502	T	1.1	349.4	1.11	28.41	20.37	86.48	6	5.07	7.82	36.6
2015/10/09	MF	DS4	0.700081	B	8.1	294.9	0.67	28.2	26.65	75.15	5.05	23.93	7.85	7.2
2015/10/09	MF	DS4	0.700683	M	5	353.8	0.51	28.22	25.3	75.93	5.14	15.75	7.84	17.9
2015/10/09	MF	DS4	0.7011	T	0.9	334.9	0.72	28.4	20.27	85.77	5.96	5.57	7.83	35.3
2015/10/09	MF	DS5	0.704653	B	7	329.5	0.71	28.28	24	78.08	5.32	20.54	7.83	7.7
2015/10/09	MF	DS5	0.705116	M	4.9	330.6	0.71	28.42	21.03	83.93	5.8	6.77	7.82	30.7
2015/10/09	MF	DS5	0.705544	T	1.2	338.2	0.52	28.43	20.2	87.5	6.08	4.97	7.82	31.5
2015/10/09	MF	DS5	0.70625	B	7.7	338.2	0.83	28.27	24.18	80.54	5.49	18.04	7.84	8.0
2015/10/09	MF	DS5	0.706713	M	5.1	313.3	0.55	28.42	20.83	84.01	5.82	5.17	7.82	32.4
2015/10/09	MF	DS5	0.707083	T	0.9	274.8	0.57	28.43	20.11	87.59	6.09	4.97	7.82	32.5
2015/10/09	MF	US1	0.716285	B	7	246.5	0.85	28.48	21.04	85.1	5.88	8.06	7.84	8.1
2015/10/09	MF	US1	0.716771	M	4.4	230.4	0.48	28.46	20.44	90.44	6.27	4.67	7.85	13.4
2015/10/09	MF	US1	0.71735	T	1.1	281.9	0.35	28.45	19.57	92.22	6.43	4.67	7.86	6.2
2015/10/09	MF	US1	0.717824	B	6.8	214.8	0.46	28.49	21.61	88.25	6.07	4.37	7.84	8.2
2015/10/09	MF	US1	0.718275	M	4.5	308.3	0.13	28.46	20.13	90.53	6.29	4.37	7.85	13.3
2015/10/09	MF	US1	0.71897	T	1.2	195.4	0.11	28.45	19.52	92.2	6.43	4.27	7.85	6.3
2015/10/09	MF	US2	0.721863	B	6	302.2	0.72	28.29	25.13	77.3	5.24	25.83	7.82	7.6
2015/10/09	MF	US2	0.722315	M	4	315.6	0.56	28.43	21.18	87.11	6.02	6.87	7.84	14.9
2015/10/09	MF	US2	0.722708	T	0.7	261.8	0.23	28.43	19.8	90.67	6.31	5.97	7.85	11.5
2015/10/09	MF	US2	0.723461	B	5.9	244.9	0.9	28.29	24.92	76.99	5.22	16.15	7.82	7.4
2015/10/09	MF	US2	0.723935	M	3.9	271.6	0.6	28.43	21.09	87.58	6.05	5.77	7.85	15.3
2015/10/09	MF	US2	0.724329	T	0.8	293.3	0.94	28.42	19.65	90.85	6.33	5.07	7.86	11.3
2015/10/09	MF	MW1	0.760891	B	17.9	236.2	0.19	28.24	30.46	78.76	5.18	11.96	7.91	4.9
2015/10/09	MF	MW1	0.761331	M	10	284.5	0.06	28.24	30.09	77.67	5.12	9.36	7.9	4.8
2015/10/09	MF	MW1	0.761875	T	1.2	248.8	0.06	28.27	27.24	79.84	5.35	6.17	7.89	5.0