

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)
2015/11/09	ME	MW1	0.414375	B	18.8	112	0.24	26.51	30.3	86.34	5.85	5.27	7.79	5.8
2015/11/09	ME	MW1	0.415023	M	10.3	345.9	0.32	26.5	30.26	85.23	5.78	4.17	7.81	6.8
2015/11/09	ME	MW1	0.415637	T	1	124.7	0.37	26.64	29.73	87.83	5.96	3.77	7.83	5.2
2015/11/09	ME	MW1	0.416215	B	18.9	320.2	0.19	26.51	30.27	84.73	5.74	7.37	7.83	5.9
2015/11/09	ME	MW1	0.416748	M	10.5	323.7	0.3	26.49	30.25	85.33	5.79	4.67	7.85	6.6
2015/11/09	ME	MW1	0.417384	T	1	95.6	0.55	26.61	29.67	87.72	5.96	4.07	7.85	5.0
2015/11/09	ME	US1	0.464248	B	7.8	276.5	0.2	26.61	28.24	90.97	6.23	3.17	7.89	5.2
2015/11/09	ME	US1	0.464676	M	4.9	64.1	0.54	26.68	27.79	91.27	6.26	3.07	7.9	4.8
2015/11/09	ME	US1	0.465278	T	1.1	100.5	0.76	27.27	25.39	92.86	6.39	2.58	7.87	3.3
2015/11/09	ME	US1	0.465891	B	8	105.3	0.5	26.63	28.17	90.07	6.17	3.37	7.9	4.8
2015/11/09	ME	US1	0.466308	M	4.8	118.6	0.88	26.67	27.22	92.06	6.33	2.58	7.9	4.6
2015/11/09	ME	US1	0.466759	T	1.3	126.4	0.83	27.11	25.59	93.15	6.42	2.48	7.88	3.6
2015/11/09	ME	US2	0.469965	B	7.6	87	0.27	26.56	29.14	87.86	5.99	5.87	7.88	7.4
2015/11/09	ME	US2	0.470382	M	4.9	95.8	0.54	26.62	27.85	89.75	6.16	3.47	7.89	4.3
2015/11/09	ME	US2	0.471181	T	1.3	120	0.57	27.18	25.7	91.74	6.31	2.87	7.87	3.9
2015/11/09	ME	US2	0.472014	B	7.9	16	0.2	26.56	29.22	86.05	5.86	6.57	7.88	7.6
2015/11/09	ME	US2	0.472384	M	4.9	102.4	0.58	26.62	27.84	88.84	6.09	3.87	7.89	4.1
2015/11/09	ME	US2	0.472778	T	1.3	118.1	0.6	27.36	24.67	92.33	6.37	2.58	7.86	4.1
2015/11/09	ME	DS1	0.477569	B	6.7	98.9	0.88	26.62	28.17	89.81	6.15	3.47	7.88	7.0
2015/11/09	ME	DS1	0.478125	M	4.5	90.4	0.44	26.67	27.65	91.6	6.29	2.87	7.89	5.8
2015/11/09	ME	DS1	0.478611	T	0.8	123.1	1.6	27.32	25.06	94.39	6.5	2.28	7.86	3.5
2015/11/09	ME	DS1	0.479167	B	6.9	67.5	0.22	26.63	28.06	89.4	6.12	3.77	7.88	7.2
2015/11/09	ME	DS1	0.479641	M	4.4	111.5	0.74	26.68	27.35	92.69	6.37	2.68	7.89	5.8
2015/11/09	ME	DS1	0.480035	T	1.2	131.4	0.58	27.18	25.45	93.98	6.47	2.28	7.86	3.3
2015/11/09	ME	DS2	0.483137	B	6.1	80.9	0.6	26.65	28.04	93.57	6.41	8.26	7.88	8.2
2015/11/09	ME	DS2	0.483438	M	3.8	91.9	0.48	26.71	26.96	93.26	6.42	5.37	7.89	4.6
2015/11/09	ME	DS2	0.483738	T	0.7	104.3	0.84	27.12	25.84	94.66	6.51	2.58	7.87	9.1
2015/11/09	ME	DS2	0.484086	B	6	106.3	0.32	26.67	27.81	92.17	6.32	3.37	7.89	8.1
2015/11/09	ME	DS2	0.484398	M	4.4	84.8	0.34	26.7	27.23	93.16	6.4	2.87	7.89	4.5
2015/11/09	ME	DS2	0.484664	T	1.2	84.7	0.5	26.88	26.19	94.05	6.48	2.68	7.88	9.3
2015/11/09	ME	DS3	0.487558	B	5.7	216.5	0.07	26.62	28.36	89.76	6.14	5.47	7.87	35.1
2015/11/09	ME	DS3	0.488032	M	4.2	97.4	0.76	26.66	27.85	90.65	6.21	3.57	7.87	3.9
2015/11/09	ME	DS3	0.488414	T	1.1	100.5	0.79	27.27	25.44	94.33	6.49	2.48	7.86	3.4
2015/11/09	ME	DS3	0.4889	B	6.2	77.6	0.37	26.62	28.46	89.55	6.12	5.17	7.87	34.1
2015/11/09	ME	DS3	0.489294	M	3.8	69.2	0.77	26.67	27.65	90.75	6.23	3.67	7.88	3.6
2015/11/09	ME	DS3	0.489722	T	1.3	94	0.86	27.28	25.52	94.43	6.49	2.38	7.86	3.4
2015/11/09	ME	DS4	0.492882	B	7.1	123	0.49	26.6	28.68	88.34	6.03	6.37	7.87	15.0
2015/11/09	ME	DS4	0.493299	M	4.6	115.6	0.48	26.62	28.29	88.44	6.05	4.47	7.87	8.8
2015/11/09	ME	DS4	0.493738	T	1	83.8	0.61	27.35	25.61	94.11	6.46	2.48	7.86	10.5
2015/11/09	ME	DS4	0.49419	B	7.2	80	0.32	26.6	28.67	88.43	6.04	6.17	7.87	14.9
2015/11/09	ME	DS4	0.494595	M	4.4	101.2	0.77	26.63	28.2	88.63	6.07	5.67	7.87	8.8
2015/11/09	ME	DS4	0.495139	T	0.8	74.9	0.81	27.25	24.67	93.9	6.49	2.68	7.86	10.8
2015/11/09	ME	DS5	0.498762	B	9	98.3	0.46	26.6	28.61	89.8	6.14	6.87	7.86	11.0
2015/11/09	ME	DS5	0.499306	M	5	99.1	0.44	26.62	28.29	88.01	6.02	5.27	7.86	8.1
2015/11/09	ME	DS5	0.501215	T	1	109.1	1.01	27.25	25.67	96.85	6.65	2.48	7.85	3.0
2015/11/09	ME	DS5	0.501921	B	9	121.1	0.61	26.6	28.61	88.69	6.06	7.47	7.86	10.7
2015/11/09	ME	DS5	0.502569	M	5.8	102.8	0.5	26.61	28.49	87.6	5.99	6.17	7.86	8.3
2015/11/09	ME	DS5	0.503032	T	1.2	125.9	0.94	27.12	25.92	93.76	6.45	3.07	7.86	3.1
2015/11/09	MF	DS1	0.665046	B	8.1	266.1	0.64	26.64	27.56	90.39	6.21	8.66	7.82	10.9
2015/11/09	MF	DS1	0.665498	M	5.1	324.3	0.32	26.71	27.09	89.89	6.18	7.76	7.82	11.4
2015/11/09	MF	DS1	0.666065	T	1	279.6	0.34	26.86	26.74	91.38	6.28	4.47	7.81	5.0
2015/11/09	MF	DS1	0.666678	B	8	291	0.37	26.64	27.48	89.28	6.14	8.66	7.83	11.6
2015/11/09	MF	DS1	0.66735	M	4.9	306.5	0.17	26.72	27.05	89.98	6.19	7.67	7.82	11.3
2015/11/09	MF	DS1	0.668056	T	1.1	271.2	0.45	26.85	26.74	91.18	6.27	4.67	7.82	5.0
2015/11/09	MF	DS2	0.671458	B	7.9	43.7	0.63	26.69	27.25	91.38	6.28	11.46	7.82	15.8
2015/11/09	MF	DS2	0.672072	M	4.9	339.9	0.4	26.83	26.83	90.98	6.25	5.27	7.82	6.9
2015/11/09	MF	DS2	0.672674	T	1.2	253.8	0.41	27.07	26.13	92.98	6.39	3.57	7.82	4.8
2015/11/09	MF	DS2	0.673183	B	8.2	304	0.17	26.68	27.36	89.38	6.14	11.76	7.83	16.0

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2015/11/09	MF	DS2	0.673704	M	4.9	265	0.78	26.78	26.89	90.18	6.2	6.47	7.83	6.7
2015/11/09	MF	DS2	0.674306	T	1	118.3	0.07	27.07	26.08	92.68	6.37	3.67	7.82	4.9
2015/11/09	MF	DS3	0.678067	B	22	279.5	0.17	26.57	29.23	85.78	5.84	7.27	7.83	9.4
2015/11/09	MF	DS3	0.679375	M	11.8	263.8	0.17	26.66	27.94	86.88	5.95	16.75	7.83	15.8
2015/11/09	MF	DS3	0.679988	T	1.2	218.7	0.3	27.06	26.26	91.47	6.28	3.57	7.82	6.0
2015/11/09	MF	DS3	0.680856	B	21.8	231.2	0.1	26.58	29.06	85.58	5.83	12.85	7.83	9.2
2015/11/09	MF	DS3	0.681481	M	11.9	283.7	0.19	26.7	27.56	87.07	5.97	11.36	7.83	16.6
2015/11/09	MF	DS3	0.682118	T	0.9	347	0.7	27.09	26.08	91.47	6.29	3.77	7.82	6.1
2015/11/09	MF	DS4	0.687361	B	9.5	274	0.64	26.58	29	84.77	5.78	22.24	7.83	37.7
2015/11/09	MF	DS4	0.687951	M	6.2	313.4	0.82	26.82	27.03	88.97	6.11	5.07	7.83	12.2
2015/11/09	MF	DS4	0.688472	T	1.2	256.1	0.16	27.2	25.51	92.77	6.39	2.97	7.82	10.7
2015/11/09	MF	DS4	0.689109	B	9.6	282.6	0.62	26.59	28.87	85.57	5.84	20.74	7.84	39.5
2015/11/09	MF	DS4	0.689664	M	6.2	320.2	0.39	26.85	26.95	89.17	6.12	4.57	7.83	12.3
2015/11/09	MF	DS4	0.690278	T	0.9	23.6	0.36	27.19	25.65	92.97	6.39	2.97	7.83	10.5
2015/11/09	MF	DS5	0.693426	B	10	282.4	0.87	26.59	28.93	88.17	6.01	15.55	7.84	36.2
2015/11/09	MF	DS5	0.693981	M	6.3	286	0.33	26.78	27.11	88.96	6.11	5.27	7.84	7.2
2015/11/09	MF	DS5	0.694537	T	0.9	274.9	0.16	27.05	26.12	91.36	6.28	3.27	7.83	4.0
2015/11/09	MF	DS5	0.695023	B	10.2	252.6	0.57	26.59	28.95	86.17	5.88	17.84	7.84	35.4
2015/11/09	MF	DS5	0.695613	M	6.3	286.3	0.81	26.8	27.04	89.06	6.12	5.07	7.84	7.7
2015/11/09	MF	DS5	0.696146	T	1.2	307.4	0.76	27.09	26.03	91.56	6.3	3.17	7.82	4.2
2015/11/09	MF	US1	0.705775	B	7.7	259.2	0.73	26.6	29	90.76	6.19	10.46	7.85	15.1
2015/11/09	MF	US1	0.706551	M	4.7	261.6	0.7	27.1	26.14	95.65	6.57	3.17	7.85	14.6
2015/11/09	MF	US1	0.707141	T	1.1	269.5	0.67	27.4	25.16	98.25	6.75	2.18	7.85	4.5
2015/11/09	MF	US1	0.707674	B	7.9	273.8	0.75	26.58	29.19	87.06	5.93	15.85	7.84	14.7
2015/11/09	MF	US1	0.708333	M	5.1	210.8	0.44	27.24	25.62	95.25	6.55	3.37	7.85	14.2
2015/11/09	MF	US1	0.709028	T	1	14.6	0.59	27.45	25.06	100.25	6.89	1.68	7.86	4.3
2015/11/09	MF	US2	0.712269	B	6	252.4	0.77	26.61	28.81	88.85	6.06	10.36	7.84	13.8
2015/11/09	MF	US2	0.71287	M	3.8	261.4	0.98	26.76	27.77	89.55	6.13	7.17	7.85	8.9
2015/11/09	MF	US2	0.713449	T	0.9	239.2	0.58	27.19	25.2	98.45	6.79	2.28	7.86	4.1
2015/11/09	MF	US2	0.713924	B	6	265.6	1.05	26.6	28.91	87.75	5.99	13.05	7.84	13.7
2015/11/09	MF	US2	0.71441	M	4.1	261.3	0.66	26.8	27.61	88.75	6.08	7.86	7.85	9.1
2015/11/09	MF	US2	0.714919	T	1	281.5	0.92	27.18	25.91	97.14	6.67	2.87	7.86	4.2
2015/11/09	MF	MW1	0.755139	B	19.2	271.9	0.12	26.51	30.72	85.52	5.78	18.54	7.88	30.8
2015/11/09	MF	MW1	0.755868	M	10.6	223.8	0.2	26.57	30.34	85.72	5.8	11.56	7.87	24.2
2015/11/09	MF	MW1	0.756481	T	1.3	315.6	0.35	26.77	29.11	89.22	6.06	3.97	7.87	5.4
2015/11/09	MF	MW1	0.757141	B	18.8	351.2	0.33	26.53	30.59	84.52	5.72	17.05	7.87	32.3
2015/11/09	MF	MW1	0.757662	M	10.7	181.3	0.18	26.58	30.32	85.32	5.78	12.16	7.86	23.9
2015/11/09	MF	MW1	0.758333	T	1	305.2	0.28	26.79	29.04	88.92	6.04	4.17	7.86	5.4