

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)
2015/10/26	ME	MW1	0.444132	B	19.6	112.5	0.66	27.1	30.44	97.76	6.56	5.64	7.9	11
2015/10/26	ME	MW1	0.444722	M	10.8	88.4	0.14	27.1	30.52	97.73	6.55	7.99	7.93	12
2015/10/26	ME	MW1	0.445336	T	1.2	136.6	0.1	27.12	30.24	99.89	6.71	4.1	7.95	23
2015/10/26	ME	MW1	0.446134	B	19.5	8.6	0.51	27.1	30.62	97.67	6.54	7.52	7.96	10
2015/10/26	ME	MW1	0.446748	M	11	71.1	0.88	27.1	30.59	97.78	6.55	5.6	7.97	12
2015/10/26	ME	MW1	0.447477	T	1	103.6	0.47	27.13	30.28	101.37	6.8	3.89	7.98	23
2015/10/26	ME	DS1	0.523414	B	6.8	81.7	0.78	27.08	27.49	101.06	6.89	22.38	7.94	36
2015/10/26	ME	DS1	0.523993	M	4.5	79	1.08	27.11	27.27	101.06	6.9	18.61	7.94	37
2015/10/26	ME	DS1	0.524479	T	1	116.9	0.87	27.21	26.65	102.31	7	9.39	7.93	17
2015/10/26	ME	DS1	0.52522	B	7.1	72.9	0.51	27.08	27.48	100.49	6.86	42.41	7.94	37
2015/10/26	ME	DS1	0.525556	B	7.1	72.9	0.51	27.06	27.67	100.37	6.84	35	7.94	0
2015/10/26	ME	DS1	0.526007	M	4.5	106.6	0.33	27.07	27.54	100.24	6.84	36.2	7.94	0
2015/10/26	ME	DS1	0.526528	M	4.4	144.7	0.58	27.07	27.52	100.2	6.83	26.54	7.94	39
2015/10/26	ME	DS1	0.527199	T	0.9	99.6	0.95	27.24	26.41	102.06	6.98	8.03	7.93	17
2015/10/26	ME	DS1	0.52787	B	6.8	99.3	0.58	27.06	27.57	100.26	6.84	30.44	7.94	0
2015/10/26	ME	DS1	0.528287	B	7.2	178.3	0.68	27.04	27.78	100.21	6.83	38.99	7.94	0
2015/10/26	ME	DS1	0.528924	M	4.5	76.1	0.64	27.08	27.49	100.3	6.84	28.71	7.93	0
2015/10/26	ME	DS1	0.529329	M	4.7	74.8	0.8	27.07	27.56	100.26	6.84	29.48	7.93	0
2015/10/26	ME	DS1	0.529734	T	1.3	129.1	0.66	27.17	26.93	100.91	6.89	16.43	7.92	0
2015/10/26	ME	DS2	0.534294	B	5.9	47	0.5	27	28.28	99.68	6.78	50.54	7.95	39
2015/10/26	ME	DS2	0.534711	M	4.1	96.9	0.97	27.11	27.23	101.33	6.92	15.35	7.93	34
2015/10/26	ME	DS2	0.535208	T	1	102.5	0.66	27.18	26.65	103.04	7.05	8.62	7.93	12
2015/10/26	ME	DS2	0.535729	B	6.1	61.9	0.48	26.99	28.36	99.53	6.77	66.94	7.95	40
2015/10/26	ME	DS2	0.536563	M	3.8	103.8	0.71	27.09	27.4	100.82	6.88	23.23	7.93	33
2015/10/26	ME	DS2	0.536944	T	0.9	101.3	0.69	27.18	26.73	102.22	6.99	10.26	7.93	12
2015/10/26	ME	DS2	0.537431	B	6	63.4	0.61	27.02	28.11	99.83	6.79	44.25	7.94	0
2015/10/26	ME	DS2	0.537755	M	4.2	102.5	0.71	27.07	27.57	100.32	6.84	23.48	7.94	0
2015/10/26	ME	DS2	0.538125	T	1.1	99	0.58	27.16	26.89	101.47	6.94	13.29	7.93	0
2015/10/26	ME	DS3	0.541609	B	6.1	71.3	0.63	26.96	28.86	98.37	6.67	64.13	7.94	39
2015/10/26	ME	DS3	0.541991	M	3.9	103.7	0.66	27.08	27.57	103.02	7.02	8.68	7.94	9
2015/10/26	ME	DS3	0.542512	T	1.1	95.3	0.87	27.24	26.29	104.82	7.18	4.07	7.92	9
2015/10/26	ME	DS3	0.542998	B	6.1	83.6	0.78	26.96	28.87	98.47	6.68	52.43	7.93	37
2015/10/26	ME	DS3	0.543461	M	3.8	75.3	1	27.01	28.21	99.95	6.8	13.98	7.94	9
2015/10/26	ME	DS3	0.544109	T	1.2	95.1	0.72	27.23	26.33	105.09	7.2	4.44	7.92	9
2015/10/26	ME	DS3	0.54456	B	5.8	80.3	0.54	26.96	28.89	98.3	6.67	62.86	7.94	0
2015/10/26	ME	DS3	0.545058	M	4	93.1	0.77	27.02	28.14	99.55	6.77	13.89	7.94	0
2015/10/26	ME	DS3	0.545486	T	1.2	101.7	0.65	27.23	26.44	103.71	7.1	5.19	7.92	0
2015/10/26	ME	DS4	0.548924	B	6.2	329	0.12	26.96	28.89	97.92	6.64	46.83	7.94	37
2015/10/26	ME	DS4	0.549421	M	4	82.7	0.52	26.99	28.39	99.17	6.74	17.37	7.94	30
2015/10/26	ME	DS4	0.549931	T	1.1	104.9	0.49	27.18	26.53	105.8	7.24	3.8	7.93	8
2015/10/26	ME	DS4	0.550451	B	6	109.8	0.49	26.97	28.87	97.64	6.62	42.88	7.94	38
2015/10/26	ME	DS4	0.550822	M	3.9	86.7	0.76	26.99	28.37	99.26	6.75	13.48	7.94	30
2015/10/26	ME	DS4	0.551366	T	1.2	92.2	0.44	27.16	26.74	105.03	7.18	4.13	7.93	7
2015/10/26	ME	DS4	0.551852	B	6.1	78.1	0.65	26.96	28.88	97.73	6.63	48.59	7.93	0
2015/10/26	ME	DS4	0.552384	M	4	81.1	0.55	26.98	28.54	98.69	6.7	17.88	7.93	0
2015/10/26	ME	DS4	0.552847	T	1	71.8	0.73	27.16	26.66	104.2	7.13	4.35	7.92	0
2015/10/26	ME	DS5	0.556134	B	9.1	105.3	0.41	26.97	28.88	97.26	6.6	64.04	7.93	43
2015/10/26	ME	DS5	0.556678	M	5.2	91.5	0.65	27.01	28.22	100.07	6.81	12.14	7.93	16
2015/10/26	ME	DS5	0.557188	T	1.3	132.7	0.6	27.16	26.64	106.94	7.32	3.91	7.94	8
2015/10/26	ME	DS5	0.557685	B	8.7	97	0.7	26.98	28.83	97.79	6.63	48.26	7.93	42
2015/10/26	ME	DS5	0.558148	M	5.4	100	0.86	27.01	28.41	100.07	6.8	16.31	7.94	15
2015/10/26	ME	DS5	0.558669	T	1.3	87.3	0.99	27.17	26.78	106.22	7.26	4.11	7.93	8
2015/10/26	ME	DS5	0.559236	B	8.7	124.9	0.49	26.98	28.83	98.02	6.65	50.83	7.93	0
2015/10/26	ME	DS5	0.559769	M	5.6	66.7	1.23	27.01	28.4	99.89	6.79	20.47	7.93	0
2015/10/26	ME	DS5	0.560382	T	0.9	95	0.64	27.16	26.79	105.71	7.23	4.2	7.93	0
2015/10/26	ME	US1	0.503993	M	8	107.4	0.6	27.07	28.18	100.27	6.81	36.73	7.96	0
2015/10/26	ME	US1	0.504306	B	8.1	86.2	0.42	27.06	28.15	100.27	6.82	37.49	7.96	23
2015/10/26	ME	US1	0.504873	M	5	83.9	0.99	27.05	27.78	101.86	6.94	17.04	7.96	14

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2015/10/26	ME	US1	0.505428	T	1.2	109	0.8	27.31	26.62	105.25	7.19	4.32	7.95	6
2015/10/26	ME	US1	0.505972	B	7.7	113.7	0.72	27.05	27.96	100.83	6.86	25.32	7.96	23
2015/10/26	ME	US1	0.506481	M	5.2	90.7	0.71	27.1	27.35	102.9	7.02	7.51	7.96	14
2015/10/26	ME	US1	0.506956	T	0.8	124.1	1.03	27.28	26.67	104.21	7.12	4.69	7.95	6
2015/10/26	ME	US1	0.508947	B	8.1	91.8	0.75	27.03	28.25	99.42	6.76	60.01	7.96	0
2015/10/26	ME	US1	0.509236	B	7.9	81.2	0.61	27.03	28.21	99.39	6.76	44.08	7.96	0
2015/10/26	ME	US1	0.510093	M	5	98.8	1.16	27.16	26.88	102.05	6.98	5.79	7.95	0
2015/10/26	ME	US1	0.510683	T	1	132	0.74	27.33	25.95	104.6	7.17	3.84	7.93	0
2015/10/26	ME	US2	0.515544	B	8.4	89.9	0.5	27.05	27.92	99.47	6.77	67.96	7.94	0
2015/10/26	ME	US2	0.516042	B	7.9	96.7	0.6	27.05	27.91	99.48	6.77	57.67	7.94	33
2015/10/26	ME	US2	0.516829	M	4.9	92.8	1.18	27.09	27.33	100.54	6.86	14.14	7.94	18
2015/10/26	ME	US2	0.51735	T	1	76.6	0.88	27.22	26.67	99.86	6.83	7.43	7.91	11
2015/10/26	ME	US2	0.517882	B	8.1	92.8	0.49	27.05	27.94	99.37	6.76	42.06	7.94	34
2015/10/26	ME	US2	0.518229	B	7.8	82.1	0.37	27.05	27.93	99.39	6.77	45.1	7.94	0
2015/10/26	ME	US2	0.518877	M	4.8	87	0.61	27.11	27.28	99.66	6.8	14.56	7.93	18
2015/10/26	ME	US2	0.51934	T	1	124.6	0.99	27.32	25.95	102.77	7.04	4.36	7.92	11
2015/10/26	MF	MW1	0.79559	B	19.2	125.2	0.04	27.1	31.66	95.82	6.38	16.78	7.9	21
2015/10/26	MF	MW1	0.796157	M	10.7	76.3	0.41	27.1	31.34	96.61	6.45	13.57	7.9	18
2015/10/26	MF	MW1	0.796678	T	0.8	245.7	0.35	27.1	30.77	97.01	6.49	9.07	7.9	34
2015/10/26	MF	MW1	0.7975	B	18.9	68.7	0.28	27.1	31.35	95.5	6.37	16.46	7.89	20
2015/10/26	MF	MW1	0.798102	M	10.5	87.2	0.31	27.1	31.08	96.44	6.45	14.09	7.89	17
2015/10/26	MF	MW1	0.798854	T	1	320	0.24	27.1	30.37	96.83	6.5	7.32	7.89	34
2015/10/26	MF	DS1	0.696215	B	8.1	51.3	0.16	27.12	27.91	96.25	6.55	44.32	7.88	30
2015/10/26	MF	DS1	0.696759	M	5.1	263.3	0.84	27.22	27.09	97.64	6.66	9.71	7.88	12
2015/10/26	MF	DS1	0.697292	T	1.1	291.7	0.63	27.32	26.63	98.78	6.74	5.18	7.87	10
2015/10/26	MF	DS1	0.697859	B	8.1	246.4	0.7	27.15	27.53	96.41	6.57	39.57	7.88	30
2015/10/26	MF	DS1	0.698299	M	4.9	303.3	0.9	27.22	27.15	97.57	6.65	9.32	7.88	13
2015/10/26	MF	DS1	0.698819	T	1	285.5	1.07	27.33	26.6	98.79	6.74	4.81	7.87	10
2015/10/26	MF	DS1	0.699491	B	8.2	237.7	0.27	27.14	28.1	95.31	6.47	71.28	7.88	0
2015/10/26	MF	DS1	0.699954	M	5	242.8	0.77	27.23	27.11	97.68	6.66	9.29	7.88	0
2015/10/26	MF	DS1	0.700336	T	1.1	263.7	0.4	27.33	26.57	99.32	6.78	4.56	7.88	0
2015/10/26	MF	DS2	0.705359	B	7.8	283.1	0.67	27.15	28.05	95.39	6.48	97.97	7.89	42
2015/10/26	MF	DS2	0.705938	M	5	282.3	1.26	27.16	27.98	95.68	6.5	48.88	7.89	42
2015/10/26	MF	DS2	0.7064	T	1	282.5	0.36	27.26	26.97	97.63	6.66	6.73	7.89	18
2015/10/26	MF	DS2	0.706944	B	8	312	0.59	27.17	28.11	95.36	6.47	75.47	7.89	42
2015/10/26	MF	DS2	0.707477	M	5.3	281.6	0.68	27.17	28.03	95.59	6.49	39.74	7.89	40
2015/10/26	MF	DS2	0.707998	T	0.8	310.5	0.77	27.29	26.84	98.25	6.7	5.5	7.89	19
2015/10/26	MF	DS2	0.708542	B	8	274.9	0.58	27.17	28.19	95.31	6.47	64.35	7.89	0
2015/10/26	MF	DS2	0.708958	M	4.9	276.3	0.82	27.16	28.02	95.57	6.49	19.75	7.89	0
2015/10/26	MF	DS2	0.709502	T	1	288.9	0.61	27.28	26.9	98.11	6.69	5.93	7.89	0