

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)
2015/11/13	MF	MW1	0.293727	B	18.5	349.8	0.46	26.12	29.77	84.67	5.79	14.05	7.82	14
2015/11/13	MF	MW1	0.29434	M	10.3	33	0.56	26.12	29.71	84.77	5.8	10.86	7.83	14
2015/11/13	MF	MW1	0.295023	T	1.3	37.8	0.45	26.11	29.71	85.48	5.85	9.16	7.84	12
2015/11/13	MF	MW1	0.295856	B	18.5	40.6	0.44	26.11	29.77	84.38	5.78	10.06	7.85	13
2015/11/13	MF	MW1	0.296539	M	10.7	133.8	0.1	26.1	29.8	84.49	5.78	10.36	7.85	15
2015/11/13	MF	MW1	0.297338	T	1.3	62.3	0.56	26.11	29.57	85.99	5.89	7.27	7.86	11
2015/11/13	MF	DS1	0.335949	B	7.8	278.3	0.78	26.13	28.8	88.99	6.12	18.84	7.88	17
2015/11/13	MF	DS1	0.336458	M	5.2	281.2	0.74	26.07	28.58	89	6.14	15.25	7.88	17
2015/11/13	MF	DS1	0.337199	T	1.2	264.5	0.97	26.09	27.97	89.71	6.21	7.67	7.87	10
2015/11/13	MF	DS1	0.337905	B	7.7	254.9	0.71	26.15	28.79	87.7	6.03	18.04	7.88	18
2015/11/13	MF	DS1	0.338322	M	4.7	273.2	0.77	26.13	28.58	87.91	6.06	14.65	7.88	16
2015/11/13	MF	DS1	0.338877	T	1	292.7	0.41	26.1	27.89	89.62	6.2	6.97	7.87	10
2015/11/13	MF	DS2	0.342431	B	8.1	279.6	0.38	26.23	29.03	87.64	6.01	22.14	7.87	20
2015/11/13	MF	DS2	0.343113	M	5.1	267.7	0.57	26.21	28.92	87.04	5.98	17.35	7.87	17
2015/11/13	MF	DS2	0.34375	T	0.9	274.9	0.72	26.09	28	89.66	6.2	7.27	7.87	9
2015/11/13	MF	DS2	0.344236	B	8.1	272.7	0.62	26.22	29.04	86.65	5.94	21.64	7.87	19
2015/11/13	MF	DS2	0.344734	M	4.7	276.6	0.87	26.13	28.36	88.26	6.09	10.36	7.88	17
2015/11/13	MF	DS2	0.34522	T	1	291.6	0.87	26.13	27.94	89.47	6.19	6.27	7.88	9
2015/11/13	MF	DS3	0.348762	B	20.3	281.6	0.81	26.19	28.96	86.38	5.93	15.85	7.86	17
2015/11/13	MF	DS3	0.349653	M	11.3	267.2	0.54	26.16	28.67	87.49	6.02	13.95	7.87	19
2015/11/13	MF	DS3	0.350289	T	1.3	254.1	0.5	26.13	28.31	88.9	6.13	9.36	7.87	14
2015/11/13	MF	DS3	0.350903	B	19.6	226.6	0.36	26.19	28.85	86.7	5.96	14.45	7.87	17
2015/11/13	MF	DS3	0.351424	M	11.6	249.7	0.55	26.18	28.7	87.2	6	14.85	7.87	19
2015/11/13	MF	DS3	0.352072	T	1	279.9	0.57	26.14	28.23	88.82	6.13	9.36	7.87	15
2015/11/13	MF	DS4	0.354803	B	10.3	264.5	0.48	26.2	28.91	88.54	6.08	17.94	7.86	18
2015/11/13	MF	DS4	0.355313	M	6.1	302.4	0.61	26.15	28.47	88.04	6.07	15.75	7.86	16
2015/11/13	MF	DS4	0.355845	T	0.9	326.6	0.85	26.12	27.79	89.85	6.22	7.67	7.86	10
2015/11/13	MF	DS4	0.356366	B	9.7	289.7	0.65	26.2	28.93	86.94	5.97	17.35	7.87	19
2015/11/13	MF	DS4	0.356956	M	6.2	277.1	0.8	26.14	28.42	88.15	6.08	11.86	7.87	15
2015/11/13	MF	DS4	0.357639	T	0.9	329.6	0.54	26.1	28.04	89.56	6.19	8.16	7.87	9
2015/11/13	MF	DS5	0.363403	B	10.9	277.1	0.55	26.19	28.82	86.69	5.96	24.43	7.86	19
2015/11/13	MF	DS5	0.363935	M	6.2	312.5	0.44	26.15	28.5	87.7	6.04	26.93	7.86	16
2015/11/13	MF	DS5	0.364572	T	1	304.3	0.7	26.14	27.47	89.82	6.23	7.37	7.85	10
2015/11/13	MF	DS5	0.365	B	11	289.6	0.85	26.2	28.86	87.41	6	21.64	7.86	19
2015/11/13	MF	DS5	0.365475	M	6.8	307.7	0.58	26.15	28.47	87.71	6.04	20.64	7.86	16
2015/11/13	MF	DS5	0.365984	T	1.1	311.9	0.95	26.13	27.72	89.73	6.21	8.16	7.86	11
2015/11/13	MF	US1	0.375613	B	8.2	267.2	0.52	26.01	28.71	92.33	6.37	14.05	7.87	17
2015/11/13	MF	US1	0.376146	M	5.1	277.8	0.48	26.01	28.71	90.92	6.27	12.85	7.87	14
2015/11/13	MF	US1	0.37662	T	1.1	298.8	0.86	26.02	28.53	91.33	6.3	8.86	7.87	11
2015/11/13	MF	US1	0.377106	B	7.6	281.3	0.62	26.01	28.71	90.52	6.24	12.95	7.87	16
2015/11/13	MF	US1	0.377778	M	5.2	250.2	0.43	26.01	28.7	90.63	6.25	11.36	7.87	14
2015/11/13	MF	US1	0.378472	T	1.2	251.1	0.39	26.01	28.56	91.14	6.29	8.46	7.86	11
2015/11/13	MF	US2	0.381366	B	5.8	264.8	0.26	25.97	28.91	91.67	6.32	14.55	7.86	20
2015/11/13	MF	US2	0.381944	M	4	83	0.07	25.98	28.77	90.56	6.25	14.15	7.86	16
2015/11/13	MF	US2	0.382465	T	1.1	240.3	0.41	25.99	28.7	90.77	6.26	12.36	7.86	14
2015/11/13	MF	US2	0.382917	B	6.1	262.2	0.21	25.96	28.95	90.06	6.21	16.15	7.86	20
2015/11/13	MF	US2	0.383426	M	4.1	271.4	0.17	25.98	28.77	90.17	6.22	15.25	7.86	16
2015/11/13	MF	US2	0.384155	T	1	227	0.14	25.99	28.71	90.88	6.27	9.46	7.86	14
2015/11/13	ME	US1	0.526748	B	9.1	170.4	0.07	26.08	29.43	85.33	5.85	15.75	7.78	9
2015/11/13	ME	US1	0.527315	M	5.6	98.6	0.43	26.07	28.89	87.02	5.99	7.96	7.79	9
2015/11/13	ME	US1	0.527894	T	1.3	92.2	0.96	25.95	27.53	90	6.26	5.47	7.78	10
2015/11/13	ME	US1	0.528461	B	9.1	350.6	0.22	26.08	29.33	85.41	5.86	17.94	7.79	9
2015/11/13	ME	US1	0.529155	M	5.6	71.4	0.23	26.07	28.9	87.19	6	7.76	7.8	9
2015/11/13	ME	US1	0.529861	T	0.9	68.1	0.72	25.98	27.54	89.58	6.22	5.67	7.79	10
2015/11/13	ME	US2	0.533032	B	8	89.6	0.72	26.07	29	88.45	6.08	9.56	7.8	13
2015/11/13	ME	US2	0.533727	M	4.8	102.1	0.46	26.06	28.57	88.34	6.09	5.77	7.81	7
2015/11/13	ME	US2	0.534201	T	1	123.2	0.84	25.99	26.86	89.73	6.26	5.17	7.79	6
2015/11/13	ME	US2	0.534734	B	7.9	123.9	0.6	26.07	29.01	87.03	5.99	12.75	7.81	13

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2015/11/13	ME	US2	0.535266	M	5	230.6	0.31	26.08	28.79	87.02	5.99	7.47	7.81	7
2015/11/13	ME	US2	0.535787	T	0.8	171.5	0.84	25.99	26.97	89.61	6.24	5.17	7.8	6
2015/11/13	ME	DS1	0.540567	B	7.6	80.8	0.3	26.03	28.78	89.85	6.19	6.87	7.81	9
2015/11/13	ME	DS1	0.541076	M	5.3	103.2	0.13	26.02	28.74	88.45	6.1	6.77	7.81	7
2015/11/13	ME	DS1	0.541667	T	0.8	108.8	0.64	25.95	27.15	90.13	6.28	5.17	7.8	7
2015/11/13	ME	DS1	0.542222	B	8	46.5	0.19	26.04	28.88	88.04	6.06	6.97	7.82	9
2015/11/13	ME	DS1	0.542697	M	5.2	102.7	0.58	26.02	28.69	88.13	6.08	6.97	7.82	7
2015/11/13	ME	DS1	0.543194	T	0.8	122.8	0.61	25.95	27.14	90.22	6.28	5.17	7.81	7
2015/11/13	ME	DS2	0.546725	B	6.7	42.9	0.65	26.03	29.11	88.78	6.11	9.96	7.81	15
2015/11/13	ME	DS2	0.547269	M	4.6	108.1	0.68	26	28.85	88.97	6.13	6.07	7.82	11
2015/11/13	ME	DS2	0.547917	T	1.1	95.8	0.73	25.96	27.5	90.06	6.26	5.07	7.81	6
2015/11/13	ME	DS2	0.548484	B	6.8	63.9	0.39	26.04	29.08	86.97	5.98	11.56	7.82	15
2015/11/13	ME	DS2	0.549016	M	4.5	75.9	0.42	26	28.71	88.15	6.08	6.67	7.83	11
2015/11/13	ME	DS2	0.549549	T	1.2	98	0.47	25.95	27.28	89.84	6.25	5.27	7.81	6
2015/11/13	ME	DS3	0.553021	B	5.9	70	0.41	25.98	28.96	89.3	6.15	6.97	7.82	8
2015/11/13	ME	DS3	0.553484	M	3.9	117.2	0.65	25.97	28.86	89.2	6.15	6.07	7.83	8
2015/11/13	ME	DS3	0.554167	T	0.9	107.9	0.64	25.96	28.84	89.49	6.17	5.67	7.83	8
2015/11/13	ME	DS3	0.554722	B	6.1	130.7	0.15	25.98	28.94	88.58	6.11	8.06	7.83	9
2015/11/13	ME	DS3	0.555127	M	4.2	95.2	0.45	25.98	28.81	88.78	6.12	6.77	7.83	8
2015/11/13	ME	DS3	0.55566	T	1.1	104.5	0.37	25.93	27.59	89.87	6.25	5.17	7.82	8
2015/11/13	ME	DS4	0.559109	B	4.7	107.2	0.36	25.93	28.85	90.92	6.27	10.46	7.84	15
2015/11/13	ME	DS4	0.559688	M	3.6	108.6	0.74	25.93	28.7	89.72	6.2	9.16	7.84	8
2015/11/13	ME	DS4	0.560498	T	1	89.6	1.12	25.92	27.91	90.7	6.29	4.77	7.84	6
2015/11/13	ME	DS4	0.5611	B	4.8	70.6	0.54	25.94	28.79	89.3	6.16	11.36	7.84	15
2015/11/13	ME	DS4	0.561806	M	3.6	82.8	0.41	25.94	28.76	89.29	6.17	9.36	7.85	8
2015/11/13	ME	DS4	0.56228	T	0.8	90.7	0.78	25.9	27.99	90.18	6.26	5.67	7.84	6
2015/11/13	ME	DS5	0.565208	B	4	148.5	0.42	25.94	27.94	90.64	6.29	6.67	7.83	13
2015/11/13	ME	DS5	0.565822	M	3	143.7	0.16	25.94	27.92	89.74	6.23	6.37	7.83	7
2015/11/13	ME	DS5	0.566285	T	1	139.1	0.53	25.93	27.85	90.03	6.25	5.77	7.83	7
2015/11/13	ME	DS5	0.566944	B	3.9	114.3	0.42	25.94	27.94	89.33	6.2	6.37	7.83	13
2015/11/13	ME	DS5	0.567477	M	3.1	63.2	0.59	25.94	27.92	89.62	6.22	6.37	7.84	7
2015/11/13	ME	DS5	0.56853	T	1	19.1	0.57	25.93	27.98	90.01	6.24	6.57	7.84	8
2015/11/13	ME	MW1	0.595556	B	18.9	312.6	0.27	26.12	30.15	83.35	5.69	5.77	7.84	8
2015/11/13	ME	MW1	0.596134	M	10.7	130.8	0.64	26.12	30.12	83.64	5.71	4.97	7.84	7
2015/11/13	ME	MW1	0.596759	T	1.2	109.5	0.58	26.11	29.91	85.42	5.84	3.67	7.84	5
2015/11/13	ME	MW1	0.597512	B	18.9	312.1	0.34	26.12	30.11	83.23	5.69	5.27	7.84	8
2015/11/13	ME	MW1	0.598125	M	10.2	25.7	0.28	26.11	30.03	83.82	5.73	5.17	7.84	7
2015/11/13	ME	MW1	0.598704	T	1.6	80.7	0.49	26.12	29.85	85.69	5.86	3.57	7.85	4