

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)
2015/09/30	MF	MW1	0.291713	B	18.4	44.8	0.64	28.79	26.96	71.66	4.76	16.55	7.7	14
2015/09/30	MF	MW1	0.292303	M	10.6	81.7	0.39	28.79	26.96	71.67	4.77	15.28	7.72	17
2015/09/30	MF	MW1	0.29294	T	1.2	50.2	0.16	28.81	26.45	73.06	4.87	10.11	7.73	18
2015/09/30	MF	MW1	0.293819	B	18.1	53.2	0.66	28.77	27.31	71	4.71	21.45	7.75	13
2015/09/30	MF	MW1	0.294514	M	9.9	76.1	0.17	28.78	27.1	71.52	4.75	13.81	7.75	16
2015/09/30	MF	MW1	0.295104	T	1.1	59.8	0.95	28.81	26.42	72.98	4.87	10.41	7.75	19
2015/09/30	MF	DS1	0.340313	B	9	285.7	0.7	28.82	26.79	70.52	4.69	41.45	7.78	-
2015/09/30	MF	DS1	0.340706	B	9.5	247.5	0.63	28.82	26.73	70.19	4.67	47.1	7.78	13
2015/09/30	MF	DS1	0.341505	M	5.6	274.6	1.13	28.85	25.82	72.22	4.83	26.99	7.78	25
2015/09/30	MF	DS1	0.342049	T	1	276.6	1.05	28.87	25.17	74.51	5	17.99	7.78	29
2015/09/30	MF	DS1	0.342616	B	8.9	252.9	0.75	28.83	26.72	70.1	4.66	33.8	7.78	-
2015/09/30	MF	DS1	0.34294	B	9.1	259.5	0.56	28.83	26.7	70.06	4.66	39.09	7.78	18
2015/09/30	MF	DS1	0.343461	M	6.4	261.7	0.59	28.84	25.77	72.27	4.83	27	7.78	27
2015/09/30	MF	DS1	0.343981	T	1	276.6	1.02	28.86	25.33	73.8	4.95	21.34	7.78	29
2015/09/30	MF	DS2	0.348669	B	9.5	254.6	0.76	28.82	26.91	69.76	4.64	39.44	7.79	-
2015/09/30	MF	DS2	0.348958	B	9	266	1.04	28.82	26.87	69.76	4.64	32.98	7.79	19
2015/09/30	MF	DS2	0.349444	M	5.5	255.8	1.16	28.84	26.1	71.6	4.78	24.02	7.79	25
2015/09/30	MF	DS2	0.350023	T	1	266.8	1.18	28.88	25.16	74.04	4.96	15.57	7.78	20
2015/09/30	MF	DS2	0.350868	B	9.6	296.2	0.42	28.82	26.8	70.06	4.66	31.9	7.79	-
2015/09/30	MF	DS2	0.351111	B	9.4	286.6	1.11	28.82	26.85	69.78	4.64	34.57	7.79	14
2015/09/30	MF	DS2	0.351574	M	5.6	262.1	0.74	28.84	26.19	71.15	4.75	23.99	7.79	25
2015/09/30	MF	DS2	0.352153	T	1.1	258.7	1.06	28.87	25.28	73.53	4.93	16.63	7.78	19
2015/09/30	MF	DS3	0.356447	B	16.2	286.8	0.61	28.82	26.9	70.5	4.69	25.29	7.79	14
2015/09/30	MF	DS3	0.356968	M	9	275.7	0.66	28.83	26.65	70.38	4.68	24.52	7.79	24
2015/09/30	MF	DS3	0.357558	T	1	277.6	0.76	28.9	24.96	74.97	5.03	12.5	7.78	31
2015/09/30	MF	DS3	0.358322	B	15.5	263.3	0.63	28.81	27.08	69.52	4.62	25.82	7.79	16
2015/09/30	MF	DS3	0.358808	M	10	235.5	0.6	28.82	26.74	70.15	4.67	23.57	7.78	22
2015/09/30	MF	DS3	0.359491	T	0.8	277.2	0.99	28.9	24.83	75.39	5.06	11.22	7.77	31
2015/09/30	MF	DS4	0.362905	B	10.9	311.8	0.72	28.83	26.86	70.28	4.67	29.24	7.78	-
2015/09/30	MF	DS4	0.363194	B	11.2	287.9	0.62	28.83	26.95	69.69	4.63	31.82	7.78	16
2015/09/30	MF	DS4	0.363704	M	6.8	300.2	0.83	28.84	26.3	70.98	4.73	20.39	7.78	26
2015/09/30	MF	DS4	0.364248	T	1.2	283	0.89	28.89	24.95	74.48	5	12.31	7.77	18
2015/09/30	MF	DS4	0.364884	B	11.3	250.2	0.55	28.82	27.05	69.26	4.6	29.77	7.78	-
2015/09/30	MF	DS4	0.36515	B	11	284.5	0.81	28.82	27.09	68.94	4.58	31.05	7.78	7
2015/09/30	MF	DS4	0.365613	M	6.5	294.1	1.14	28.83	26.56	70.19	4.67	22.06	7.78	26
2015/09/30	MF	DS4	0.366215	T	1	282.4	1	28.87	25.14	73.81	4.95	14.73	7.77	18
2015/09/30	MF	DS5	0.369873	B	11.3	272.2	0.29	28.84	26.87	70.18	4.66	34.38	7.78	-
2015/09/30	MF	DS5	0.370116	B	11.1	273	0.8	28.84	26.87	69.63	4.63	33.2	7.78	7
2015/09/30	MF	DS5	0.370637	M	6.7	277.7	0.82	28.83	26.73	69.77	4.64	25.77	7.78	23
2015/09/30	MF	DS5	0.371169	T	1	273.9	0.68	28.88	25.08	74.05	4.97	13.54	7.77	21
2015/09/30	MF	DS5	0.371678	B	10.8	263	0.39	28.84	26.84	69.49	4.62	33.56	7.78	-
2015/09/30	MF	DS5	0.371944	B	11.1	290.6	0.62	28.84	26.85	69.22	4.6	33.01	7.78	13
2015/09/30	MF	DS5	0.372616	M	6.5	287.4	0.83	28.83	26.81	69.34	4.61	28.56	7.78	22
2015/09/30	MF	DS5	0.37287	M	6.8	300.6	0.72	28.83	26.82	69.33	4.61	29.19	7.78	-
2015/09/30	MF	DS5	0.373333	T	1.1	309.3	0.37	28.91	25.27	73.28	4.91	13.62	7.78	21
2015/09/30	MF	US1	0.383808	B	8.2	244.9	0.13	28.79	27.21	70.91	4.71	77.04	7.78	-
2015/09/30	MF	US1	0.384074	B	8.1	244.9	0.13	28.78	27.33	69.51	4.61	69.98	7.79	14
2015/09/30	MF	US1	0.384433	M	5.2	286.2	0.66	28.82	26.31	71.05	4.74	29.08	7.78	24
2015/09/30	MF	US1	0.384734	M	5.1	286.2	0.66	28.85	25.68	72.51	4.85	24.63	7.78	-
2015/09/30	MF	US1	0.38515	T	0.9	286.1	0.45	28.92	25.18	73.88	4.95	19.33	7.77	20
2015/09/30	MF	US1	0.38559	B	8.2	278.6	0.74	28.77	27.5	69.15	4.59	60.91	7.78	-
2015/09/30	MF	US1	0.385972	B	8.1	278.6	0.51	28.77	27.49	68.57	4.55	55.33	7.79	21
2015/09/30	MF	US1	0.38647	M	5.7	270.5	0.44	28.82	26.17	71.14	4.75	29.34	7.78	23
2015/09/30	MF	US1	0.386771	M	5.2	269.8	0.58	28.84	25.81	71.87	4.8	27.14	7.78	-
2015/09/30	MF	US1	0.387269	T	1.2	315	0.34	28.9	25.24	73.52	4.93	21.05	7.77	19
2015/09/30	MF	US2	0.394479	B	7.7	265.8	0.45	28.84	25.87	71.81	4.8	62.23	7.78	-
2015/09/30	MF	US2	0.394745	B	7.5	19	0.21	28.82	26.42	70.28	4.68	60.84	7.78	21
2015/09/30	MF	US2	0.395324	M	4.5	277	0.81	28.86	25.56	73.03	4.89	40.95	7.78	32

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2015/09/30	MF	US2	0.395602	M	4.3	262.9	0.75	28.85	25.85	72.56	4.85	37.22	7.78	-
2015/09/30	MF	US2	0.395995	T	1.1	277.8	0.7	28.91	25.28	74.8	5.01	14.63	7.78	26
2015/09/30	MF	US2	0.396516	B	7.2	211.2	0.32	28.78	27.25	68.92	4.58	58.99	7.78	-
2015/09/30	MF	US2	0.396817	B	7.1	249.9	0.66	28.78	27.28	68.8	4.57	55.22	7.79	20
2015/09/30	MF	US2	0.397199	M	4.6	242.4	0.74	28.85	25.73	71.79	4.8	40.99	7.78	32
2015/09/30	MF	US2	0.397581	M	4.5	262	0.46	28.85	25.79	72.24	4.83	39.88	7.78	-
2015/09/30	MF	US2	0.398044	T	1.2	265.7	0.72	28.88	25.4	73.86	4.95	20.86	7.78	25
2015/09/30	ME	DS1	0.554178	B	8	131.8	0.53	28.84	26.16	71.39	4.76	14.78	7.72	18
2015/09/30	ME	DS1	0.554792	M	5.1	94.9	0.59	28.85	25.45	72.57	4.86	12.48	7.72	15
2015/09/30	ME	DS1	0.555336	T	1.1	105.1	0.92	29.46	23.29	80.62	5.41	5.7	7.73	8
2015/09/30	ME	DS1	0.555961	B	8	99.8	0.25	28.86	26.1	71.29	4.76	12.29	7.73	18
2015/09/30	ME	DS1	0.556481	M	5.2	74.5	0.55	28.84	25.42	72.59	4.86	12.43	7.73	15
2015/09/30	ME	DS1	0.556968	T	1.2	96.4	0.64	29.39	23.36	79.7	5.35	6.18	7.73	8
2015/09/30	ME	DS2	0.560486	B	7.2	109.5	0.6	28.85	26.15	71.36	4.76	27.99	7.72	20
2015/09/30	ME	DS2	0.561285	M	4.4	91.1	0.66	28.89	25.26	73.01	4.89	10.42	7.71	14
2015/09/30	ME	DS2	0.561759	T	1.2	86.2	0.8	29.4	23.92	80.31	5.38	6.46	7.72	7
2015/09/30	ME	DS2	0.562465	B	7.1	103	0.72	28.85	26.15	71.13	4.75	24.19	7.72	21
2015/09/30	ME	DS2	0.563009	M	4.5	73.9	0.51	28.89	25.28	72.85	4.88	10.1	7.72	14
2015/09/30	ME	DS2	0.563495	T	1.7	81.1	0.78	29.5	23.03	80.66	5.42	5.66	7.72	7
2015/09/30	ME	DS3	0.567465	B	7.2	115.3	0.59	28.87	25.66	73.31	4.9	11.54	7.72	6
2015/09/30	ME	DS3	0.568021	M	4.7	88.9	0.61	29.09	24.82	76.68	5.13	8.42	7.72	14
2015/09/30	ME	DS3	0.568495	T	1.1	110.2	1.29	29.79	22.2	83.13	5.58	4.84	7.72	9
2015/09/30	ME	DS3	0.569039	B	6.9	130.3	0.75	28.87	25.36	72.9	4.88	11.58	7.71	6
2015/09/30	ME	DS3	0.569491	M	4.7	105.6	1	29.04	24.84	75.68	5.07	8.75	7.71	13
2015/09/30	ME	DS3	0.570035	T	1.1	86.1	1.11	29.52	23.1	81.76	5.49	5.49	7.72	9
2015/09/30	ME	DS4	0.573495	B	9.1	83.6	0.29	28.77	27.51	69.87	4.63	16.4	7.73	20
2015/09/30	ME	DS4	0.57397	M	5.5	96.3	0.89	28.86	25.78	71.71	4.79	11	7.72	14
2015/09/30	ME	DS4	0.574514	T	1.1	98.2	0.83	29.42	24.09	78.77	5.27	6.91	7.72	16
2015/09/30	ME	DS4	0.575185	B	9	58.7	0.3	28.77	27.46	69.26	4.59	15.7	7.73	21
2015/09/30	ME	DS4	0.575671	M	4.4	127.1	0.94	28.87	25.34	72.31	4.84	11.45	7.72	14
2015/09/30	ME	DS4	0.576227	T	0.9	101.8	0.74	29.34	24.13	78.74	5.27	6.97	7.72	17
2015/09/30	ME	DS5	0.58044	B	9.7	94.3	0.32	28.76	27.68	70.14	4.65	13.87	7.73	14
2015/09/30	ME	DS5	0.581007	M	6.3	64.2	0.32	28.87	25.47	72.68	4.87	9.77	7.71	17
2015/09/30	ME	DS5	0.581539	T	0.9	107.7	1.01	29.23	24.33	77.32	5.18	7.63	7.71	9
2015/09/30	ME	DS5	0.582257	B	9.9	91.5	0.71	28.76	27.68	69.02	4.57	18.13	7.73	14
2015/09/30	ME	DS5	0.582847	M	5.8	106.6	0.96	28.87	25.54	72.2	4.83	9.77	7.71	18