

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)
2015/09/26	ME	MW1	0.408426	B	19.7	351.7	0.31	28.46	29.64	72.97	4.81	9.06	7.86	11
2015/09/26	ME	MW1	0.409132	M	10.7	338.4	0.4	28.48	29.39	72.28	4.77	8.06	7.86	9
2015/09/26	ME	MW1	0.409826	T	0.9	72.6	0.89	28.97	25.25	83.39	5.58	3.97	7.89	9
2015/09/26	ME	MW1	0.410532	B	19.9	66.7	0.28	28.47	29.54	71.98	4.74	10.56	7.86	11
2015/09/26	ME	MW1	0.41125	M	11	30.9	0.17	28.5	29.24	72.18	4.76	9.06	7.87	9
2015/09/26	ME	MW1	0.411921	T	1.3	97.7	0.87	28.91	29.91	82.6	5.51	3.87	7.88	8
2015/09/26	ME	DS1	0.478681	B	8	83.9	0.68	28.82	23.76	77.45	5.24	46.49	7.85	33
2015/09/26	ME	DS1	0.47919	M	5	73.1	0.52	28.86	23.34	76.34	5.17	32.22	7.84	29
2015/09/26	ME	DS1	0.479861	T	1.2	98	1.01	29.53	19.19	89.91	6.16	5.77	7.85	6
2015/09/26	ME	DS1	0.480451	B	8.1	108.2	0.37	28.82	23.68	75.95	5.14	41.2	7.84	32
2015/09/26	ME	DS1	0.480903	M	5.1	81.7	0.45	28.85	23.37	75.65	5.13	34.01	7.84	29
2015/09/26	ME	DS1	0.481748	T	1.4	129.1	0.86	29.49	19.77	89.82	6.14	4.77	7.85	13
2015/09/26	ME	DS2	0.485127	B	6.7	88.1	0.73	28.82	23.68	75.97	5.14	65.75	7.84	54
2015/09/26	ME	DS2	0.485729	M	4.7	76.2	0.57	28.93	22.89	78.08	5.3	25.83	7.84	32
2015/09/26	ME	DS2	0.486262	T	0.8	111.6	0.61	29.85	18.27	93.76	6.43	11.06	7.88	15
2015/09/26	ME	DS2	0.486875	B	6.1	92.6	0.81	28.83	23.62	75.87	5.14	66.75	7.84	53
2015/09/26	ME	DS2	0.487407	M	4.5	82	0.9	28.95	22.69	77.78	5.28	25.83	7.84	33
2015/09/26	ME	DS2	0.487998	T	1.4	107.5	0.77	29.69	18.76	92.26	6.32	13.55	7.87	30
2015/09/26	ME	DS3	0.491146	B	5.8	76.2	0.6	28.88	23.21	78.4	5.31	37.41	7.85	44
2015/09/26	ME	DS3	0.491667	M	3.3	100.8	0.63	29.2	20.96	82.02	5.6	11.06	7.85	12
2015/09/26	ME	DS3	0.49235	T	1.1	85.5	0.82	29.78	17.97	95.49	6.56	3.57	7.88	6
2015/09/26	ME	DS3	0.492813	B	5.7	39.5	0.79	28.88	23.19	78.41	5.32	40.2	7.84	44
2015/09/26	ME	DS3	0.49331	M	3.9	66.9	0.95	29.11	21.61	80.92	5.51	11.96	7.84	12
2015/09/26	ME	DS3	0.493762	T	1.3	143.5	0.95	29.76	18.14	93.69	6.44	4.47	7.89	11
2015/09/26	ME	DS4	0.497025	B	5.3	82.5	0.63	28.97	22.57	80.23	5.45	40.2	7.85	29
2015/09/26	ME	DS4	0.497488	M	3.2	84.4	0.7	29.12	21.19	81.04	5.53	10.36	7.84	13
2015/09/26	ME	DS4	0.497917	T	1.5	94.7	0.83	29.51	19.2	89.29	6.12	4.77	7.86	7
2015/09/26	ME	DS4	0.4986	B	5	80.4	0.66	28.97	22.55	78.13	5.31	39.9	7.84	28
2015/09/26	ME	DS4	0.499375	M	3.5	98.8	0.84	29.06	21.74	78.73	5.36	23.73	7.84	13
2015/09/26	ME	DS4	0.499815	T	1	77.5	0.75	29.7	18.63	91.91	6.3	4.87	7.87	7
2015/09/26	ME	DS5	0.504444	B	7.1	126	0.77	28.99	22.61	79.86	5.42	32.91	7.84	33
2015/09/26	ME	DS5	0.504931	M	4.6	95.5	0.78	29.03	22.29	80.37	5.46	18.34	7.84	20
2015/09/26	ME	DS5	0.505463	T	1.1	105.3	0.9	29.64	18.55	92.74	6.37	4.27	7.87	9
2015/09/26	ME	DS5	0.50603	B	7.1	144.4	0.83	29.02	22.34	79.67	5.41	37.31	7.84	32
2015/09/26	ME	DS5	0.506713	M	5.1	117.4	0.78	29.05	22.14	81.88	5.57	23.13	7.85	20
2015/09/26	ME	DS5	0.507222	T	1.2	136	0.67	29.64	18.64	92.04	6.32	4.77	7.87	19
2015/09/26	ME	US1	0.517222	B	9.3	49.9	0.73	28.92	23.36	76.89	5.2	16.05	7.82	12
2015/09/26	ME	US1	0.517766	M	5.4	107.6	1	29.2	21.26	80.32	5.47	7.37	7.82	6
2015/09/26	ME	US1	0.518206	T	0.9	104.1	1.19	30.05	18.17	95.92	6.56	3.47	7.88	5
2015/09/26	ME	US1	0.518785	B	9.1	92.1	0.7	28.94	23.19	76.9	5.21	14.25	7.81	12
2015/09/26	ME	US1	0.519236	M	5.8	103.4	1.03	29.19	21.83	83.14	5.65	7.17	7.82	7
2015/09/26	ME	US1	0.519722	T	1.2	125.7	0.8	30	18.48	96.73	6.61	3.57	7.88	4
2015/09/26	ME	US2	0.523021	B	8.1	92.4	0.37	28.89	24.03	75.4	5.09	23.23	7.81	25
2015/09/26	ME	US2	0.5236	M	4.8	113.9	0.95	29.22	21.13	81.25	5.54	6.97	7.83	6
2015/09/26	ME	US2	0.524063	T	1.1	114.5	1.24	29.71	17.63	90.91	6.27	4.67	7.83	6
2015/09/26	ME	US2	0.524595	B	8.4	79.3	0.57	28.87	24.27	74.81	5.04	23.63	7.81	27
2015/09/26	ME	US2	0.525	M	5.5	100.9	0.67	29.26	22.84	81.76	5.52	8.56	7.82	5
2015/09/26	ME	US2	0.525683	T	1	105.4	1.48	29.86	18.16	90.01	6.17	4.77	7.83	6
2015/09/26	MF	DS1	0.706273	B	8.9	220.1	0.08	28.87	25.89	77.85	5.2	23.83	7.66	27
2015/09/26	MF	DS1	0.706829	M	5.6	286.1	0.36	29.04	24.4	76.35	5.13	16.35	7.66	32
2015/09/26	MF	DS1	0.707361	T	0.8	293.5	0.71	29.8	19.1	87.02	5.94	6.07	7.68	7
2015/09/26	MF	DS1	0.707778	B	9.1	315.2	0.47	28.84	26.19	88.22	5.89	25.33	7.67	29
2015/09/26	MF	DS1	0.708171	M	5.4	238.7	0.49	29.07	24.2	75.74	5.09	15.95	7.67	31
2015/09/26	MF	DS1	0.708715	T	0.9	280.4	1.07	29.76	19.56	87.62	5.97	5.77	7.68	7
2015/09/26	MF	DS2	0.712176	B	8.2	280.9	0.59	28.8	26.42	75.13	5.01	24.73	7.69	15
2015/09/26	MF	DS2	0.712674	M	5.1	267.9	0.89	29.08	24.04	76.72	5.16	13.45	7.69	14
2015/09/26	MF	DS2	0.713229	T	0.7	274.1	0.9	29.8	19.2	88.39	6.03	5.17	7.7	19
2015/09/26	MF	DS2	0.713958	B	8.4	27.2	0.65	28.79	26.56	72.93	4.86	20.34	7.7	16

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2015/09/26	MF	DS2	0.71441	M	5.3	314.8	0.66	29.11	23.79	76.42	5.14	11.66	7.7	14
2015/09/26	MF	DS2	0.715023	T	1.2	269.4	0.97	29.62	20.36	85.19	5.79	6.17	7.71	19
2015/09/26	MF	DS3	0.718356	B	10.1	272.9	0.3	28.99	24.67	76.2	5.11	21.14	7.71	34
2015/09/26	MF	DS3	0.718843	M	6.1	329	0.47	29.2	22.76	78.09	5.28	13.15	7.71	17
2015/09/26	MF	DS3	0.719375	T	0.9	287.4	0.97	29.65	20.09	85.67	5.83	6.57	7.72	14
2015/09/26	MF	DS3	0.719942	B	10.5	316.8	0.41	29.04	23.38	76.29	5.15	15.65	7.71	34
2015/09/26	MF	DS3	0.720428	M	5.6	301.2	0.67	29.3	22.31	79.58	5.38	10.66	7.7	17
2015/09/26	MF	DS3	0.720995	T	1.1	291	0.89	29.49	21.09	83.87	5.69	6.97	7.71	14
2015/09/26	MF	DS4	0.724502	B	11.1	302.9	0.88	29.04	24.12	78.17	5.26	16.05	7.71	30
2015/09/26	MF	DS4	0.725058	M	6	335.7	0.65	29.51	20.67	83.15	5.66	8.26	7.72	13
2015/09/26	MF	DS4	0.725579	T	1.1	337.9	0.47	29.73	19.54	87.94	6	5.97	7.73	8
2015/09/26	MF	DS4	0.726111	B	10.4	346.4	0.49	29.04	24.04	76.87	5.17	15.35	7.71	29
2015/09/26	MF	DS4	0.726632	M	6.9	301.3	0.85	29.26	22.29	79.26	5.37	10.46	7.71	14
2015/09/26	MF	DS4	0.727095	T	0.8	299.5	0.47	29.65	19.92	86.13	5.87	5.97	7.73	9
2015/09/26	MF	DS5	0.735382	B	10.9	312.7	0.52	29.11	23.72	80.91	5.45	12.16	7.74	16
2015/09/26	MF	DS5	0.735868	M	6.2	329	0.87	29.36	21.85	81.31	5.51	8.56	7.74	12
2015/09/26	MF	DS5	0.736343	T	0.8	324.9	0.72	29.8	18.97	88.58	6.05	4.97	7.75	10
2015/09/26	MF	DS5	0.736852	B	11.1	274.8	0.67	29.08	23.92	78.02	5.25	12.95	7.74	15
2015/09/26	MF	DS5	0.737303	M	6.8	300	0.43	29.35	21.85	79.91	5.42	10.06	7.74	12
2015/09/26	MF	DS5	0.737813	T	1	305.4	0.67	29.8	18.95	87.78	6	5.17	7.76	11
2015/09/26	MF	US1	0.746875	B	8.3	301.1	0.82	28.94	25.33	80.07	5.36	80.82	7.76	38
2015/09/26	MF	US1	0.747384	M	5	289.3	0.98	29.36	21.91	83.15	5.63	16.35	7.78	24
2015/09/26	MF	US1	0.747882	T	0.6	298.9	0.64	29.55	20.88	87.73	5.96	10.66	7.78	12
2015/09/26	MF	US1	0.74853	B	8.3	288.1	0.51	28.95	25.23	76.08	5.09	87.9	7.76	38
2015/09/26	MF	US1	0.749039	M	4.9	283.8	0.72	29.18	22.86	77.97	5.27	33.31	7.77	23
2015/09/26	MF	US1	0.749641	T	1	311.3	0.84	29.5	21.09	86.53	5.87	9.66	7.79	12
2015/09/26	MF	US1	0.750104	B	7.9	272.2	0.64	28.98	24.84	77.17	5.18	67.25	7.77	0
2015/09/26	MF	US1	0.750521	M	4.9	276.6	0.87	29.41	21.76	83.24	5.64	17.15	7.78	0
2015/09/26	MF	US1	0.751007	T	1.1	308.9	1.1	29.49	21.26	86.12	5.84	10.86	7.79	0
2015/09/26	MF	US2	0.75419	B	6.1	285.6	0.47	29.08	23.59	79.04	5.33	33.31	7.77	35
2015/09/26	MF	US2	0.75463	M	4.2	257.8	0.62	29.27	22.49	81.63	5.52	18.34	7.78	13
2015/09/26	MF	US2	0.755035	T	1.1	264	0.73	29.53	20.81	86.6	5.88	8.76	7.79	10
2015/09/26	MF	US2	0.755741	B	6.1	266.5	0.35	29.09	23.52	80.43	5.42	30.82	7.77	34
2015/09/26	MF	US2	0.756123	M	3.7	264.3	0.75	29.46	22.11	83.91	5.67	13.35	7.79	13
2015/09/26	MF	US2	0.756574	T	0.7	204.4	0.28	29.57	20.59	87.59	5.96	7.86	7.8	10
2015/09/26	MF	MW1	0.793669	B	19.3	225.8	0.15	28.53	29.31	72.62	4.79	15.95	7.82	22
2015/09/26	MF	MW1	0.794248	M	10.4	129	0.15	28.6	28.68	72.12	4.76	11.96	7.82	12
2015/09/26	MF	MW1	0.795	T	1.2	0	0.02	28.8	26.95	74.5	4.95	7.67	7.82	9