

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)
2016/11/08	ME	MW1	05:30	B	19	154.9	0.65	26.19	30.43	86.72	5.91	2.56	7.94	3.20
2016/11/08	ME	MW1	05:32	M	10.4	11.8	0.66	26.21	30.46	86.93	5.92	2.46	7.94	3.30
2016/11/08	ME	MW1	05:33	T	1.2	82.1	0.97	26.09	30.1	87.94	6.01	2.26	7.95	3.40
2016/11/08	ME	MW1	05:34	B	18.8	8.8	0.36	26.2	30.43	86.54	5.89	2.36	7.94	3.30
2016/11/08	ME	MW1	05:35	M	10.4	188.8	1.26	26.22	30.46	86.75	5.9	2.46	7.94	3.90
2016/11/08	ME	MW1	05:36	T	1.2	81	0.9	26.12	30.12	89.46	6.11	2.26	7.93	7.50
2016/11/08	ME	US2	07:09	B	7	107.6	0.66	25.82	29.03	89.92	6.21	5.86	7.93	3.10
2016/11/08	ME	US2	07:10	M	4.4	142.4	0.52	26.08	27.88	92.55	6.41	2.46	7.92	12.30
2016/11/08	ME	US2	07:10	T	1.2	114.7	0.49	25.99	26.69	93.36	6.52	2.06	7.9	14.80
2016/11/08	ME	US2	07:11	B	7	56.9	0.75	25.84	28.97	88.82	6.14	5.56	7.94	3.10
2016/11/08	ME	US2	07:12	M	4.4	133.6	0.28	26.11	27.86	91.95	6.36	2.46	7.92	12.30
2016/11/08	ME	US2	07:12	T	1	51.7	0.23	26	26.64	92.66	6.47	2.16	7.89	15.30
2016/11/08	ME	US1	07:17	B	6.9	142.5	0.58	25.85	28.97	89.97	6.21	5.86	7.92	3.30
2016/11/08	ME	US1	07:18	M	4.6	81.6	0.78	26.07	27.88	92.39	6.4	2.66	7.91	6.60
2016/11/08	ME	US1	07:18	T	0.8	139.2	0.55	26.05	26.8	92.7	6.46	2.26	7.89	8.10
2016/11/08	ME	US1	07:19	B	7.1	112.5	0.17	25.85	28.96	88.97	6.15	6.36	7.93	3.40
2016/11/08	ME	US1	07:20	M	4.3	116.6	0.67	26.08	27.84	91.9	6.36	2.76	7.91	7.00
2016/11/08	ME	US1	07:20	T	0.8	146.5	0.84	26.04	26.72	92.41	6.44	2.26	7.88	8.10
2016/11/08	ME	DS1	07:25	B	8	101.5	0.87	25.83	28.88	90.12	6.23	7.46	7.92	3.20
2016/11/08	ME	DS1	07:26	M	4.9	35.4	0.54	25.85	28.81	89.62	6.2	6.56	7.92	3.30
2016/11/08	ME	DS1	07:27	T	1	53.1	0.54	26.08	26.87	92.65	6.45	2.56	7.88	4.80
2016/11/08	ME	DS1	07:27	B	8	45.1	0.29	25.82	28.91	89.53	6.19	7.26	7.92	3.20
2016/11/08	ME	DS1	07:28	M	5.1	139.6	0.58	25.84	28.83	89.33	6.18	6.86	7.92	3.50
2016/11/08	ME	DS1	07:29	T	1	115.3	1.66	26.08	26.91	92.56	6.44	2.36	7.87	5.00
2016/11/08	ME	DS2	07:34	B	16.1	154.9	0.15	25.83	29.01	90.07	6.22	7.36	7.92	4.80
2016/11/08	ME	DS2	07:35	M	9.1	156	0.8	25.83	28.92	89.88	6.21	6.36	7.92	3.90
2016/11/08	ME	DS2	07:35	T	1	150.4	0.77	25.96	26.88	93.21	6.5	2.36	7.87	10.20
2016/11/08	ME	DS2	07:36	B	15.9	59.6	0.83	25.83	29	89.78	6.2	7.06	7.92	5.10
2016/11/08	ME	DS2	07:37	M	9.2	97.5	0.47	25.83	28.9	89.89	6.21	6.26	7.91	4.00
2016/11/08	ME	DS2	07:38	T	1.1	114.1	0.65	26.01	26.92	92.72	6.46	2.66	7.86	9.80
2016/11/08	ME	DS3	07:43	B	5.2	61.9	0.65	25.83	28.68	91.44	6.33	5.16	7.9	2.60
2016/11/08	ME	DS3	07:43	M	3.4	67.1	0.49	25.88	28.31	90.94	6.3	4.16	7.9	4.40
2016/11/08	ME	DS3	07:44	T	1.1	124.4	0.64	26.01	27.07	93.67	6.52	2.06	7.87	8.80
2016/11/08	ME	DS3	07:45	B	5.1	167.2	0.51	25.83	28.72	90.74	6.28	5.86	7.91	2.60
2016/11/08	ME	DS3	07:45	M	3.5	145.8	0.63	25.9	28.09	90.95	6.31	4.06	7.89	4.50
2016/11/08	ME	DS3	07:46	T	1	194.8	1.02	26.02	27.08	93.58	6.51	2.26	7.86	8.80
2016/11/08	ME	DS4	07:53	B	19.6	165.4	0.2	25.82	29.11	91.1	6.29	12.16	7.91	3.70
2016/11/08	ME	DS4	07:54	M	11.3	86.3	0.27	25.84	28.97	91.1	6.29	8.96	7.9	5.10
2016/11/08	ME	DS4	07:55	T	1	74.2	0.5	26.08	27.09	93.13	6.48	2.66	7.86	10.70
2016/11/08	ME	DS4	07:56	B	19.8	14	0.55	25.83	29.12	90.51	6.25	12.06	7.91	3.50
2016/11/08	ME	DS4	07:57	M	10.7	332.3	0.73	25.82	29.01	91.22	6.3	9.76	7.9	5.00
2016/11/08	ME	DS4	07:58	T	0.9	124.6	0.96	26.05	27.04	93.55	6.51	2.66	7.86	10.40
2016/11/08	ME	DS5	08:02	B	5.1	42.9	0.61	25.87	28.56	91.97	6.37	5.46	7.89	3.00
2016/11/08	ME	DS5	08:03	M	3.6	44.2	0.64	25.9	28.27	91.67	6.35	4.16	7.89	4.10
2016/11/08	MF	US1	13:18	B	7.3	217.8	0.64	25.94	28.94	89.27	6.16	8.36	7.93	2.50
2016/11/08	MF	US1	13:19	M	4.3	292.9	0.48	25.96	28.24	89.16	6.17	7.16	7.93	8.80
2016/11/08	MF	US1	13:19	T	1.1	276.5	0.73	26.3	27.55	93.56	6.46	2.96	7.93	11.90
2016/11/08	MF	US1	13:20	B	6.9	270.9	0.75	25.96	28.99	87.96	6.06	12.36	7.93	2.70
2016/11/08	MF	US1	13:21	M	4.6	271.9	0.76	25.96	28.91	88.06	6.07	11.46	7.93	9.20
2016/11/08	MF	US1	13:21	T	1	311	0.56	26.33	27.54	92.35	6.38	4.56	7.93	12.10
2016/11/08	MF	US2	13:26	B	5.1	272.2	1.17	26.04	28.99	89.24	6.14	9.86	7.94	#REF!
2016/11/08	MF	US2	13:27	M	3.5	300	0.61	26.28	27.83	91.03	6.28	5.16	7.94	#REF!
2016/11/08	MF	US2	13:28	T	1.2	312.5	1.04	26.54	27.5	94.23	6.49	2.66	7.95	#REF!
2016/11/08	MF	US2	13:28	B	4.7	206.8	0.26	26.05	29.18	87.34	6.01	15.06	7.94	#REF!
2016/11/08	MF	US2	13:29	M	3.6	268.1	0.57	26.03	28.46	88.43	6.11	9.26	7.94	#REF!
2016/11/08	MF	US2	13:29	T	1.1	343.3	0.65	26.34	27.71	92.92	6.41	3.26	7.95	#REF!
2016/11/08	MF	DS1	13:37	B	6.9	291.2	0.52	26	28.51	88.8	6.13	11.06	7.97	#REF!
2016/11/08	MF	DS1	13:38	M	4.3	338.1	0.32	25.99	28.39	88.4	6.11	9.36	7.97	#REF!

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2016/11/08	MF	DS1	13:38	T	1.1	317.8	0.26	26.38	27.32	93.69	6.47	2.96	7.96	#REF!
2016/11/08	MF	DS1	13:39	B	7.1	265.5	0.38	25.99	28.56	88.6	6.12	9.56	7.96	#REF!
2016/11/08	MF	DS1	13:39	M	4.6	33.2	0.77	25.99	28.55	88	6.08	10.36	7.95	#REF!
2016/11/08	MF	DS1	13:40	T	1	263.4	0.31	26.38	27.33	93.68	6.47	3.16	7.95	#REF!
2016/11/08	MF	DS2	13:45	B	6	195.2	1.04	25.96	28.12	90.47	6.27	6.66	7.96	#REF!
2016/11/08	MF	DS2	13:45	M	4	284.7	0.51	26.11	27.7	91.07	6.31	4.86	7.96	#REF!
2016/11/08	MF	DS2	13:46	T	1.1	44.3	0.46	26.39	27.22	93.36	6.45	2.96	7.96	#REF!
2016/11/08	MF	DS2	13:46	B	6	17.9	0.19	25.96	28.11	89.87	6.23	6.66	7.96	#REF!
2016/11/08	MF	DS2	13:47	M	3.9	294.1	0.42	26.02	27.84	90.37	6.26	6.36	7.95	#REF!
2016/11/08	MF	DS2	13:47	T	1.1	228.7	1.35	26.39	27.21	93.56	6.47	2.86	7.95	#REF!
2016/11/08	MF	DS3	13:53	B	5.6	88.8	0.05	26.22	27.36	93.04	6.44	4.46	7.98	#REF!
2016/11/08	MF	DS3	13:53	M	4.2	251.4	0.78	26.41	27.13	94.13	6.51	2.76	7.98	#REF!
2016/11/08	MF	DS3	13:54	T	1.2	25	0.24	26.54	26.75	94.53	6.53	2.36	7.97	#REF!
2016/11/08	MF	DS3	13:59	B	5.9	337	0.48	26.1	27.58	91.72	6.36	4.66	7.96	#REF!
2016/11/08	MF	DS3	13:59	M	4.2	166.2	0.07	26.5	26.53	93.91	6.5	2.56	7.96	#REF!
2016/11/08	MF	DS3	14:00	T	1.2	62	0.9	26.5	25.83	94.21	6.55	2.26	7.93	#REF!
2016/11/08	MF	DS4	14:05	B	6.1	159.4	0.74	26.13	27.56	90.9	6.3	7.46	7.97	#REF!
2016/11/08	MF	DS4	14:06	M	4.1	12.9	0.63	26.42	25.89	93.29	6.49	2.96	7.97	#REF!
2016/11/08	MF	DS4	14:07	T	1	45.5	0.41	26.38	25.67	93.39	6.51	2.26	7.93	#REF!
2016/11/08	MF	DS4	14:07	B	5.7	6.1	0.42	26.13	27.52	91.1	6.31	5.96	7.95	#REF!
2016/11/08	MF	DS4	14:08	M	4.2	347.7	0.45	26.29	27.06	92.49	6.41	3.56	7.95	#REF!
2016/11/08	MF	DS4	14:09	T	1.1	93.6	0.91	26.39	25.7	93.38	6.51	2.36	7.92	#REF!
2016/11/08	MF	DS5	14:15	B	6.2	296.7	0.59	26.17	27.49	90.97	6.3	5.96	7.98	#REF!
2016/11/08	MF	DS5	14:15	M	4.2	103	0.4	26.39	26.4	92.36	6.41	3.16	7.96	#REF!
2016/11/08	MF	DS5	14:16	T	0.8	190.1	0.74	26.34	25.67	92.56	6.46	2.36	7.94	#REF!
2016/11/08	MF	DS5	14:17	B	5.8	293.8	0.75	26.19	27.39	91.16	6.32	4.86	7.97	#REF!