

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)
2016/12/12	ME	MW1	10:30	B	18.8	60.1	0.86	22.49	31	85.06	6.16	7.34	7.97	3.10
2016/12/12	ME	MW1	10:31	M	11	277.9	0.43	22.49	31	85.16	6.16	3.34	7.97	3.80
2016/12/12	ME	MW1	10:32	T	1.1	78.5	0.36	22.51	31	85.96	6.22	2.84	7.97	12.30
2016/12/12	ME	MW1	10:33	B	19.2	33.5	0.29	22.49	30.99	84.36	6.11	8.43	7.98	3.30
2016/12/12	ME	MW1	10:34	M	10.7	23.3	0.62	22.49	30.99	85.06	6.16	5.04	7.98	3.30
2016/12/12	ME	MW1	10:35	T	1	50.5	0.32	22.5	30.99	86.25	6.24	3.34	7.99	8.80
2016/12/12	ME	US2	12:00	B	7.9	72.5	0.25	21.92	30.06	95.51	7.02	6.74	8.01	4.80
2016/12/12	ME	US2	12:01	M	5	118.9	0.83	21.99	29.71	95.01	6.99	5.04	8	6.30
2016/12/12	ME	US2	12:02	T	1.1	78.6	0.36	22.38	28.39	96.7	7.12	3.04	7.96	6.60
2016/12/12	ME	US2	12:02	B	7.7	80.1	0.67	21.93	30.03	95.21	7	6.64	8.01	4.70
2016/12/12	ME	US2	12:03	M	5.4	96.7	0.66	21.99	29.77	94.81	6.97	4.34	7.99	6.60
2016/12/12	ME	US2	12:03	T	1.2	166.6	0.95	22.09	28.66	96	7.09	3.44	7.97	6.70
2016/12/12	ME	US1	12:09	B	8.3	78.5	0.92	21.93	29.95	96.09	7.07	7.74	8	7.10
2016/12/12	ME	US1	12:09	M	4.6	96.3	0.45	22.01	29.58	95.99	7.07	4.64	7.98	5.80
2016/12/12	ME	US1	12:10	T	1.2	156.3	0.97	22.35	28.5	97.19	7.16	3.04	7.95	8.80
2016/12/12	ME	US1	12:11	B	8.1	72.6	0.14	21.94	29.88	95.89	7.06	6.04	8	7.00
2016/12/12	ME	US1	12:11	M	5.3	116.1	0.7	22	29.65	95.69	7.04	4.74	7.98	5.60
2016/12/12	ME	US1	12:12	T	1.4	128.8	1.16	22.26	28.49	96.69	7.13	3.14	7.95	8.70
2016/12/12	ME	DS1	12:17	B	9.1	156.6	0.54	22.06	29.47	97.08	7.14	5.04	7.99	7.00
2016/12/12	ME	DS1	12:18	M	5.3	105.7	0.42	22.07	29.41	96.98	7.14	4.04	7.99	7.00
2016/12/12	ME	DS1	12:18	T	1.2	95.4	0.45	22.5	28.48	98.17	7.21	2.94	7.96	7.70
2016/12/12	ME	DS1	12:19	B	9.1	71.4	0.35	22.04	29.6	96.47	7.1	5.04	7.99	7.20
2016/12/12	ME	DS1	12:20	M	5.5	104	1.08	22.07	29.35	96.37	7.1	5.24	7.98	7.40
2016/12/12	ME	DS1	12:20	T	1.1	146.9	0.43	22.47	28.48	98.17	7.21	2.75	7.96	8.20
2016/12/12	ME	DS2	12:24	B	7.2	89.6	0.91	22.03	29.86	96.57	7.09	5.64	7.98	6.40
2016/12/12	ME	DS2	12:25	M	4.5	92.5	1	22.07	29.59	97.06	7.14	5.54	7.98	5.90
2016/12/12	ME	DS2	12:26	T	1.1	138.8	0.53	22.45	28.81	98.26	7.21	2.94	7.95	5.90
2016/12/12	ME	DS2	12:26	B	7.3	101.8	0.74	22.03	29.87	96.56	7.09	4.94	7.98	6.10
2016/12/12	ME	DS2	12:27	M	4.2	116.6	1	22.17	29.27	97.46	7.17	3.94	7.97	5.50
2016/12/12	ME	DS2	12:27	T	1.2	129.7	1.37	22.4	28.8	98.36	7.22	2.94	7.95	6.00
2016/12/12	ME	DS3	12:32	B	7	53.5	1.19	22.01	29.91	97.05	7.13	6.14	7.98	5.30
2016/12/12	ME	DS3	12:33	M	4.5	84	0.62	22.04	29.74	97.35	7.16	5.34	7.98	9.80
2016/12/12	ME	DS3	12:33	T	0.9	138	0.56	22.48	28.75	98.94	7.26	3.34	7.96	10.70
2016/12/12	ME	DS3	12:34	B	7	87.6	1.12	22.01	29.91	96.65	7.1	7.24	7.98	5.10
2016/12/12	ME	DS3	12:35	M	4.5	167.6	0.83	22.04	29.77	97.05	7.13	5.44	7.98	#REF!
2016/12/12	ME	DS3	12:35	T	0.8	95.8	0.89	22.48	28.71	98.84	7.25	3.24	7.95	#REF!
2016/12/12	ME	DS4	12:40	B	21.1	258.8	0.27	22.02	30.07	95.24	6.99	4.54	7.97	#REF!
2016/12/12	ME	DS4	12:41	M	11.6	53.5	0.48	22.01	30.02	95.94	7.04	5.74	7.97	#REF!
2016/12/12	ME	DS4	12:42	T	1.3	26.8	0.46	22.45	28.81	99.53	7.3	3.14	7.95	#REF!
2016/12/12	ME	DS4	12:43	B	21.3	234	0.12	22	30.03	95.44	7.01	8.43	7.97	#REF!
2016/12/12	ME	DS4	12:44	M	11.4	131.4	0.32	22.02	29.92	96.53	7.09	6.54	7.98	#REF!
2016/12/12	ME	DS4	12:45	T	1.1	41.2	0.51	22.62	28.63	99.52	7.29	3.04	7.94	#REF!
2016/12/12	ME	DS5	12:50	B	6.1	39.3	0.34	22.01	30.02	98.12	7.2	5.14	7.98	2.80
2016/12/12	ME	DS5	12:51	M	4.1	116.4	0.97	22.06	29.78	98.81	7.26	4.44	7.98	4.20
2016/12/12	MF	US2	16:28	B	7.8	321.1	0.66	22.1	29.67	101.02	7.42	10.83	8.04	3.50
2016/12/12	MF	US2	16:28	M	4.9	252.9	0.79	22.16	29.62	101.52	7.45	8.03	8.04	10.70
2016/12/12	MF	US2	16:29	T	0.7	279.8	0.46	22.36	29.38	104.51	7.65	2.75	8.04	12.50
2016/12/12	MF	US2	16:30	B	8.4	313.1	0.64	22.11	29.68	101.12	7.43	12.23	8.04	3.50
2016/12/12	MF	US2	16:30	M	5	270.5	0.42	22.13	29.63	101.31	7.44	10.73	8.04	10.30
2016/12/12	MF	US2	16:31	T	1.2	269.6	0.66	22.58	29.1	107.61	7.86	2.45	8.05	11.70
2016/12/12	MF	US1	16:36	B	10.1	321	0.74	22.1	29.69	100.2	7.36	9.73	8.03	#REF!
2016/12/12	MF	US1	16:36	M	6.2	289.9	0.67	22.14	29.65	100.8	7.4	7.54	8.03	#REF!
2016/12/12	MF	US1	16:37	T	1.1	289.9	1.05	22.45	29.23	105.59	7.73	3.24	8.04	#REF!
2016/12/12	MF	US1	16:38	B	10.2	340.7	0.98	22.1	29.69	100.39	7.37	12.33	8.03	#REF!
2016/12/12	MF	US1	16:39	M	6.4	237.3	0.63	22.17	29.62	101.09	7.42	7.34	8.03	#REF!
2016/12/12	MF	US1	16:39	T	0.9	220.3	0.99	22.41	29.25	105.18	7.7	3.44	8.04	#REF!
2016/12/12	MF	DS1	16:45	B	8.5	334.5	0.59	22.08	29.59	99.38	7.31	6.04	8.03	#REF!
2016/12/12	MF	DS1	16:45	M	5.9	344	0.62	22.08	29.6	99.17	7.29	6.04	8.03	#REF!

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2016/12/12	MF	DS1	16:46	T	0.7	262.8	0.26	22.23	29.5	101.97	7.48	4.34	8.04	#REF!
2016/12/12	MF	DS1	16:48	B	8.7	266.1	0.67	22.08	29.62	98.97	7.27	7.93	8.03	#REF!
2016/12/12	MF	DS1	16:48	M	5.7	266.9	1.33	22.12	29.61	99.86	7.34	7.44	8.03	#REF!
2016/12/12	MF	DS1	16:49	T	1.3	261.1	1.15	22.34	29.37	103.16	7.56	4.14	8.05	#REF!
2016/12/12	MF	DS2	16:55	B	7.9	210.4	0.41	22.14	29.52	100.44	7.38	8.73	8.04	#REF!
2016/12/12	MF	DS2	16:56	M	5	329.8	0.57	22.2	29.49	101.54	7.45	6.44	8.04	#REF!
2016/12/12	MF	DS2	16:56	T	1.2	285.7	0.94	22.19	29.51	102.14	7.5	5.64	8.04	#REF!
2016/12/12	MF	DS2	16:58	B	8.1	289.9	0.57	22.15	29.54	100.64	7.39	11.43	8.04	#REF!
2016/12/12	MF	DS2	16:58	M	5	268.9	0.64	22.17	29.54	101.14	7.43	7.34	8.04	#REF!
2016/12/12	MF	DS2	16:59	T	1.2	301.6	1.05	22.23	29.49	102.63	7.53	4.74	8.04	#REF!
2016/12/12	MF	DS3	17:03	B	8.1	8.7	0.44	22.14	29.45	99.82	7.34	8.23	8.03	#REF!
2016/12/12	MF	DS3	17:04	M	5	327.9	0.74	22.14	29.45	100.12	7.36	6.24	8.03	#REF!
2016/12/12	MF	DS3	17:04	T	1	239.6	0.51	22.14	29.44	100.62	7.4	6.54	8.03	#REF!
2016/12/12	MF	DS3	17:05	B	8.2	226.5	0.39	22.14	29.45	99.92	7.34	9.73	8.03	#REF!
2016/12/12	MF	DS3	17:05	M	5.1	232.3	0.87	22.14	29.45	100.12	7.36	9.13	8.03	#REF!
2016/12/12	MF	DS3	17:06	T	1	295.5	0.63	22.16	29.45	101.01	7.42	9.43	8.03	#REF!
2016/12/12	MF	DS4	17:11	B	8.3	318.6	0.94	22.14	29.43	99.9	7.34	6.34	8.02	#REF!
2016/12/12	MF	DS4	17:11	M	5	277.8	0.63	22.14	29.43	100.6	7.39	5.44	8.03	#REF!
2016/12/12	MF	DS4	17:12	T	1	63.5	0.51	22.14	29.42	101.5	7.46	5.54	8.03	#REF!
2016/12/12	MF	DS4	17:14	B	8.5	6.6	0.53	22.14	29.43	100.69	7.4	11.63	8.03	#REF!
2016/12/12	MF	DS4	17:15	M	5.1	328.4	1.11	22.15	29.43	101.19	7.44	8.73	8.03	#REF!
2016/12/12	MF	DS4	17:15	T	1	299	0.6	22.18	29.41	102.28	7.51	5.54	8.03	#REF!
2016/12/12	MF	DS5	17:20	B	9.3	250.4	0.42	22.17	29.36	100.57	7.39	12.92	8.02	#REF!
2016/12/12	MF	DS5	17:21	M	5.2	37.4	0.61	22.16	29.37	100.77	7.41	9.03	8.02	#REF!
2016/12/12	MF	DS5	17:21	T	0.8	354.2	0.61	22.16	29.37	101.47	7.46	5.44	8.03	#REF!
2016/12/12	MF	DS5	17:22	B	9.2	342.6	0.72	22.16	29.39	100.77	7.41	13.32	8.03	#REF!