

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)
2016/12/29	MF	MW1	06:51	B	18.9	15.2	0.18	20.47	30.33	96.97	7.31	5.14	8.11	11.00
2016/12/29	MF	MW1	06:52	M	10.5	13.9	0.08	20.47	30.33	96.97	7.31	5.64	8.12	11.40
2016/12/29	MF	MW1	06:53	T	1.1	58	0.74	20.45	30.33	97.56	7.36	5.24	8.13	12.40
2016/12/29	MF	MW1	06:54	B	18.8	290.6	0.66	20.47	30.34	96.16	7.25	5.64	8.14	11.50
2016/12/29	MF	MW1	06:55	M	10.7	79.3	0.12	20.46	30.34	96.75	7.29	5.74	8.15	5.60
2016/12/29	MF	MW1	06:55	T	1.1	192.7	1.03	20.42	30.34	97.44	7.35	4.34	8.15	8.00
2016/12/29	MF	US2	07:48	M	4.5	295.9	0.56	19.42	29.98	99.02	7.63	8.83	8.23	8.30
2016/12/29	MF	US2	07:49	T	1	315.3	0.97	19.43	29.98	99.32	7.65	8.33	8.22	5.40
2016/12/29	MF	US1	07:54	B	7	290.2	0.84	19.36	29.94	100.28	7.73	9.93	8.22	5.10
2016/12/29	MF	US1	07:54	M	4.7	302.8	0.65	19.34	29.95	98.98	7.64	7.04	8.21	8.50
2016/12/29	MF	US1	07:55	T	1.3	223.1	0.57	19.33	29.95	98.88	7.63	6.64	8.2	5.60
2016/12/29	MF	US1	07:55	B	6.9	264.9	0.62	19.35	29.95	98.38	7.59	8.03	8.2	5.50
2016/12/29	MF	US1	07:56	M	4.5	73.4	0.37	19.34	29.95	98.38	7.59	7.93	8.2	6.10
2016/12/29	MF	US1	07:57	T	1.3	333.9	1.9	19.35	29.95	98.67	7.61	7.44	8.2	5.50
2016/12/29	MF	DS1	08:00	B	6.9	277	0.4	19.39	29.92	99.74	7.69	8.13	8.2	5.70
2016/12/29	MF	DS1	08:01	M	4.4	289.2	0.94	19.38	29.93	99.34	7.66	7.54	8.19	5.80
2016/12/29	MF	DS1	08:01	T	1.4	32.6	0.4	19.38	29.93	99.54	7.67	7.64	8.2	10.10
2016/12/29	MF	DS1	08:02	B	6.9	331.2	0.24	19.38	29.93	99.04	7.63	7.74	8.19	6.90
2016/12/29	MF	DS1	08:03	M	4.4	282.5	0.2	19.37	29.93	99.13	7.64	8.33	8.19	8.60
2016/12/29	MF	DS1	08:03	T	1.2	325.1	0.72	19.38	29.93	99.43	7.66	8.73	8.19	9.90
2016/12/29	MF	DS2	08:08	B	6.9	328.7	0.58	19.39	29.88	101.19	7.8	13.62	8.2	7.20
2016/12/29	MF	DS2	08:08	M	4.5	52.6	0.08	19.4	29.88	100.09	7.72	14.22	8.19	8.40
2016/12/29	MF	DS2	08:09	T	1.1	333.4	0.87	19.38	29.89	100.09	7.72	10.73	8.19	8.10
2016/12/29	MF	DS2	08:09	B	7	12	0.35	19.4	29.88	99.69	7.68	13.02	8.19	9.80
2016/12/29	MF	DS2	08:10	M	4.4	326.4	0.43	19.4	29.89	99.78	7.69	10.03	8.19	8.10
2016/12/29	MF	DS2	08:10	T	1.4	314.2	0.64	19.39	29.89	100.08	7.72	8.43	8.19	8.40
2016/12/29	MF	DS3	08:15	B	6.9	227.5	0.03	19.64	29.9	101.84	7.81	12.33	8.18	9.50
2016/12/29	MF	DS3	08:15	M	4.4	321.3	0.33	19.61	29.89	99.45	7.64	10.13	8.17	7.60
2016/12/29	MF	DS3	08:16	T	1.1	293.4	0.83	19.56	29.89	99.45	7.64	8.63	8.17	10.50
2016/12/29	MF	DS3	08:17	B	7.1	260.5	0.4	19.6	29.89	98.75	7.58	10.53	8.17	8.30
2016/12/29	MF	DS3	08:17	M	4.5	346.7	0.13	19.64	29.91	98.75	7.58	11.03	8.16	5.50
2016/12/29	MF	DS3	08:18	T	1.4	250.7	0.74	19.62	29.9	98.94	7.59	10.83	8.17	10.40
2016/12/29	MF	DS4	08:23	B	7	80.7	0.32	19.97	29.92	98.32	7.5	11.13	8.13	8.60
2016/12/29	MF	DS4	08:23	M	4.6	180.2	0.71	19.98	29.92	97.32	7.42	11.53	8.13	5.50
2016/12/29	MF	DS4	08:24	T	1.3	169.6	0.65	19.97	29.92	97.32	7.42	10.03	8.12	#REF!
2016/12/29	MF	DS4	08:24	B	6.9	298.6	0.44	19.93	29.92	97.02	7.4	11.23	8.13	#REF!
2016/12/29	MF	DS4	08:25	M	4.5	332.9	0.64	19.96	29.92	97.01	7.4	9.73	8.12	#REF!
2016/12/29	MF	DS4	08:25	T	1.2	49.5	0.99	19.97	29.92	97.31	7.42	8.93	8.12	#REF!
2016/12/29	MF	DS5	08:31	B	6.6	1	0.12	19.94	29.69	97.97	7.48	7.54	8.11	#REF!
2016/12/29	MF	DS5	08:31	M	4.5	19.1	0.57	19.92	29.7	95.98	7.33	6.34	8.09	#REF!
2016/12/29	MF	DS5	08:32	T	1.2	5.2	1.51	19.92	29.7	96.18	7.35	6.44	8.09	#REF!
2016/12/29	MF	DS5	08:33	B	6.8	70.6	0.15	19.94	29.74	95.77	7.31	6.74	8.09	#REF!
2016/12/29	MF	DS5	08:33	M	4.5	105.8	0.56	19.92	29.72	95.87	7.33	5.74	8.09	9.00
2016/12/29	MF	DS5	08:34	T	1	235.8	0.1	19.91	29.71	96.26	7.36	5.94	8.09	8.60
2016/12/29	ME	US1	12:12	T	1.2	167.5	1.1	19.9	29.94	102.12	7.8	3.94	8.16	6.50
2016/12/29	ME	US1	12:13	B	8.1	63.2	0.93	19.62	29.98	100.82	7.73	4.74	8.17	5.60
2016/12/29	ME	US1	12:13	M	5.1	88.6	0.53	19.69	29.96	101.62	7.79	4.64	8.17	7.10
2016/12/29	ME	US1	12:14	T	1.1	339.4	0.11	19.87	29.94	102.81	7.85	4.04	8.17	6.60
2016/12/29	ME	DS1	12:19	B	8	13.4	0.59	20.06	30.05	101.69	7.74	4.24	8.16	7.90
2016/12/29	ME	DS1	12:19	M	5	223.7	0.16	19.97	29.99	101.49	7.74	5.64	8.16	6.80
2016/12/29	ME	DS1	12:20	T	1	211.7	0.7	19.93	29.97	102.19	7.8	4.14	8.16	#REF!
2016/12/29	ME	DS1	12:21	B	7.6	152	0.34	20.09	30.07	101.09	7.68	4.04	8.15	#REF!
2016/12/29	ME	DS1	12:21	M	5.1	205.2	0.15	19.98	30	101.98	7.77	3.64	8.16	#REF!
2016/12/29	ME	DS1	12:22	T	1.2	151.6	0.73	19.98	30	102.98	7.85	3.54	8.16	#REF!
2016/12/29	ME	DS2	12:27	B	7	337.8	1.08	20.2	30.15	101.26	7.68	4.64	8.17	#REF!
2016/12/29	ME	DS2	12:28	M	4.6	67	0.54	20.21	30.16	101.06	7.66	3.64	8.16	#REF!
2016/12/29	ME	DS2	12:28	T	1.1	260.2	0.48	20.23	30.16	101.45	7.69	3.24	8.16	#REF!
2016/12/29	ME	DS2	12:29	B	6.9	112.6	0.35	20.2	30.15	100.85	7.65	3.54	8.15	#REF!

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2016/12/29	ME	DS2	12:30	M	4.3	4.5	0.55	20.18	30.14	101.05	7.66	3.64	8.16	#REF!
2016/12/29	ME	DS2	12:30	T	1.2	116.8	0.41	20.18	30.13	101.55	7.7	3.64	8.16	#REF!
2016/12/29	ME	DS3	12:36	B	7	229.1	0.29	20.31	30.2	100.33	7.59	3.54	8.16	#REF!
2016/12/29	ME	DS3	12:36	M	4.6	69.4	0.76	20.32	30.21	100.32	7.59	3.24	8.16	#REF!
2016/12/29	ME	DS3	12:37	T	1.2	109.7	0.18	20.34	30.21	100.82	7.62	3.14	8.16	#REF!
2016/12/29	ME	DS3	12:38	B	6.4	127.5	0.14	20.31	30.2	99.82	7.55	3.74	8.15	#REF!
2016/12/29	ME	DS3	12:38	M	4.4	138	0.32	20.32	30.21	100.22	7.58	3.84	8.15	#REF!
2016/12/29	ME	DS3	12:39	T	1.1	65.3	0.39	20.34	30.21	100.81	7.62	2.94	8.16	#REF!
2016/12/29	ME	DS4	12:45	B	7.9	88.5	0.55	20.29	30.19	101.59	7.69	4.54	8.16	#REF!
2016/12/29	ME	DS4	12:45	M	5.1	19.2	0.65	20.29	30.19	100.49	7.6	4.54	8.15	#REF!
2016/12/29	ME	DS4	12:46	T	1.1	73.2	0.39	20.26	30.18	101.48	7.68	4.34	8.15	#REF!
2016/12/29	ME	DS4	12:47	B	7.9	144.9	0.41	20.29	30.19	100.48	7.6	4.04	8.15	#REF!
2016/12/29	ME	DS4	12:47	M	5.2	53.3	0.54	20.3	30.2	100.48	7.6	4.04	8.15	#REF!
2016/12/29	ME	DS4	12:48	T	1.4	122.3	0.4	20.31	30.2	101.08	7.65	3.94	8.15	#REF!
2016/12/29	ME	DS5	12:54	B	7	21.9	0.57	19.94	30.06	101.75	7.76	4.54	8.17	#REF!
2016/12/29	ME	DS5	12:54	M	4.7	174.9	0.36	19.94	30.06	101.45	7.73	3.94	8.16	#REF!
2016/12/29	ME	DS5	12:55	T	1.1	233.5	0.49	19.95	30.06	102.04	7.78	4.14	8.16	#REF!
2016/12/29	ME	DS5	12:55	B	6.9	116.6	0.54	19.94	30.07	101.04	7.7	6.34	8.16	#REF!
2016/12/29	ME	DS5	12:56	M	4.5	143.7	0.68	19.98	30.07	101.34	7.72	5.94	8.16	#REF!
2016/12/29	ME	DS5	12:56	T	1.2	165.8	0.48	19.97	30.06	102.24	7.79	3.84	8.16	#REF!
2016/12/29	ME	MW1	13:48	B	19.7	48.5	0.27	20.39	30.28	97.25	7.34	4.14	8.14	#REF!
2016/12/29	ME	MW1	13:48	M	11	270	0.07	20.39	30.28	97.34	7.35	4.14	8.14	#REF!
2016/12/29	ME	MW1	13:49	T	1.2	30.9	0.29	20.41	30.29	98.53	7.44	3.54	8.13	#REF!
2016/12/29	ME	MW1	13:50	B	19.9	56.1	0.18	20.39	30.29	96.54	7.29	8.33	8.12	#REF!
2016/12/29	ME	MW1	13:51	M	11.1	58.1	0.67	20.4	30.3	96.94	7.32	4.04	8.13	#REF!
2016/12/29	ME	MW1	13:52	T	1.2	92.9	0.58	20.39	30.3	97.83	7.38	3.94	8.12	#REF!