

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)
2016/12/14	MF	MW1	06:42	B	18.4	27	0.58	22.48	30.27	92.97	6.76	14.12	7.94	14.10
2016/12/14	MF	MW1	06:43	M	10.7	80.7	0.98	22.48	30.27	93.27	6.78	16.52	7.95	16.60
2016/12/14	MF	MW1	06:44	T	1	52.7	0.29	22.48	30.25	93.87	6.83	19.61	7.95	20.60
2016/12/14	MF	MW1	06:45	B	19.2	40.3	0.44	22.48	30.29	92.46	6.72	20.11	7.96	14.00
2016/12/14	MF	MW1	06:46	M	10.6	159.4	0.16	22.48	30.21	93.26	6.78	15.02	7.96	9.00
2016/12/14	MF	MW1	06:47	T	1	44.4	0.38	22.46	30.19	94.35	6.87	11.33	7.96	5.90
2016/12/14	MF	US2	07:51	B	6.8	303.1	0.89	22.27	29.07	98.09	7.21	26.8	7.98	4.70
2016/12/14	MF	US2	07:53	M	4.5	319.7	0.64	22.27	29.08	98.08	7.21	21.41	7.98	17.30
2016/12/14	MF	US2	07:53	T	1	4.1	0.41	22.26	29.09	98.38	7.23	17.42	7.98	11.30
2016/12/14	MF	US2	07:57	B	7	228.8	0.22	22.28	29.12	98.16	7.21	15.92	7.98	4.80
2016/12/14	MF	US2	07:58	M	4.9	281.8	1.1	22.29	29.13	98.06	7.2	18.31	7.97	16.30
2016/12/14	MF	US2	07:59	T	1	281.2	0.33	22.28	29.13	98.36	7.22	18.21	7.97	10.80
2016/12/14	MF	US1	08:05	B	7.5	314.7	0.76	22.26	29.07	98.23	7.22	23.5	7.96	13.40
2016/12/14	MF	US1	08:06	M	4.8	358.5	0.41	22.26	29.07	98.13	7.21	18.01	7.96	19.80
2016/12/14	MF	US1	08:07	T	1	8.3	0.56	22.26	29.07	98.42	7.23	16.12	7.96	9.50
2016/12/14	MF	US1	08:07	B	8	324.4	0.78	22.27	29.07	97.82	7.19	21.71	7.96	13.40
2016/12/14	MF	US1	08:08	M	5.1	287.2	0.9	22.26	29.07	97.92	7.2	19.51	7.96	19.30
2016/12/14	MF	US1	08:09	T	1.5	18.5	0.36	22.26	29.07	98.31	7.23	17.12	7.96	8.90
2016/12/14	MF	DS1	08:17	B	9.2	273.8	0.63	22.3	29.25	98.48	7.23	18.61	7.97	25.30
2016/12/14	MF	DS1	08:18	M	5.4	323.4	1.19	22.28	29.05	97.98	7.2	16.92	7.96	21.00
2016/12/14	MF	DS1	08:18	T	1.2	292.1	0.38	22.27	28.85	97.28	7.16	10.83	7.94	17.60
2016/12/14	MF	DS1	08:21	B	9.1	275.1	0.05	22.29	29.16	98.07	7.2	17.02	7.96	27.10
2016/12/14	MF	DS1	08:21	M	5.4	302.4	1.04	22.28	28.97	97.57	7.17	13.82	7.94	20.60
2016/12/14	MF	DS1	08:22	T	1.2	297.2	0.64	22.28	28.89	97.37	7.16	13.82	7.94	17.10
2016/12/14	MF	DS2	08:26	B	8	13.6	0.82	22.32	29.42	99.34	7.28	21.31	7.97	14.90
2016/12/14	MF	DS2	08:27	M	4.7	352.1	0.72	22.3	29.26	98.84	7.25	13.32	7.96	22.90
2016/12/14	MF	DS2	08:28	T	1.4	306	1.26	22.26	29	98.04	7.21	10.03	7.94	31.20
2016/12/14	MF	DS2	08:28	B	7.8	39.4	0.56	22.32	29.44	98.73	7.23	21.91	7.96	14.10
2016/12/14	MF	DS2	08:29	M	5	321.2	0.91	22.31	29.35	98.93	7.25	14.22	7.96	23.20
2016/12/14	MF	DS2	08:29	T	1.2	318.5	0.76	22.26	28.97	98.23	7.22	9.13	7.94	32.10
2016/12/14	MF	DS3	08:36	B	7.7	330.5	0.92	22.32	29.54	99.3	7.27	19.41	7.97	10.70
2016/12/14	MF	DS3	08:37	M	4.7	1.4	0.33	22.29	29.46	99.49	7.29	12.13	7.97	39.00
2016/12/14	MF	DS3	08:37	T	1.1	321.3	0.57	22.24	28.9	98	7.21	6.94	7.94	24.40
2016/12/14	MF	DS3	08:38	B	7.6	313.5	0.29	22.32	29.57	99.39	7.28	31.79	7.96	10.40
2016/12/14	MF	DS3	08:39	M	4.9	310.3	1.21	22.3	29.46	99.59	7.3	13.42	7.96	#REF!
2016/12/14	MF	DS3	08:39	T	1	246.5	0.55	22.23	28.92	98.49	7.25	7.74	7.93	#REF!
2016/12/14	MF	DS4	08:45	B	7.5	316.1	0.79	22.27	29.45	99.66	7.31	17.22	7.96	#REF!
2016/12/14	MF	DS4	08:45	M	5	265.1	0.21	22.28	29.3	99.26	7.28	18.51	7.95	#REF!
2016/12/14	MF	DS4	08:46	T	1.3	315.6	0.59	22.18	28.97	99.26	7.31	6.44	7.94	#REF!
2016/12/14	MF	DS4	08:47	B	7.6	0.3	0.42	22.28	29.48	99.25	7.28	23	7.96	#REF!
2016/12/14	MF	DS4	08:47	M	4.5	301.1	1.07	22.26	29.18	98.85	7.26	16.12	7.95	#REF!
2016/12/14	MF	DS4	08:48	T	1.1	108.2	0.7	22.17	28.94	99.35	7.32	6.54	7.94	#REF!
2016/12/14	MF	DS5	08:52	B	8	223.9	0.46	22.24	28.63	97.15	7.16	18.21	7.93	28.00
2016/12/14	MF	DS5	08:53	M	5	278.9	0.15	22.27	28.33	95.65	7.06	12.23	7.9	22.90
2016/12/14	ME	US2	11:54	B	7.8	26.6	0.29	22.31	29.3	100.9	7.4	4.74	8.02	14.10
2016/12/14	ME	US2	11:55	M	5.1	191.6	0.52	22.3	28.92	100.7	7.4	4.44	8	11.70
2016/12/14	ME	US2	11:56	T	0.9	164.6	1.08	22.29	28.64	99.9	7.36	5.94	7.99	13.30
2016/12/14	ME	US2	11:56	B	8.1	65	0.33	22.3	29.33	100.1	7.34	4.74	8.01	13.40
2016/12/14	ME	US2	11:57	M	4.8	105.3	0.31	22.3	28.91	100.5	7.39	4.64	8	11.10
2016/12/14	ME	US2	11:57	T	0.9	108	0.63	22.3	28.61	100.1	7.37	6.14	7.99	13.20
2016/12/14	ME	US1	12:02	B	10.2	155.3	0.14	22.3	29.4	99.7	7.31	5.34	8.02	#REF!
2016/12/14	ME	US1	12:03	M	5.8	65.2	0.48	22.3	29.22	99.9	7.33	4.74	8.02	#REF!
2016/12/14	ME	US1	12:03	T	1.2	56.6	0.8	22.32	28.38	101.6	7.49	4.84	8	#REF!
2016/12/14	ME	US1	12:04	B	10.1	178.3	0.07	22.3	29.4	99.2	7.27	4.64	8.02	#REF!
2016/12/14	ME	US1	12:05	M	5.7	243.2	0.28	22.3	29.33	99.7	7.31	4.84	8.02	#REF!
2016/12/14	ME	US1	12:05	T	1	124	0.68	22.31	28.46	101.4	7.47	4.84	7.99	#REF!
2016/12/14	ME	DS1	12:10	B	8	202.1	0.22	22.34	29.49	99.7	7.3	5.84	8.02	#REF!
2016/12/14	ME	DS1	12:10	M	5.1	185.9	0.17	22.33	29.48	99.8	7.31	4.94	8.02	#REF!

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2016/12/14	ME	DS1	12:11	T	1.2	93.6	0.7	22.35	29.45	101.4	7.42	4.24	8.02	#REF!
2016/12/14	ME	DS1	12:12	B	8	32.7	0.29	22.34	29.49	99.9	7.31	4.94	8.01	#REF!
2016/12/14	ME	DS1	12:12	M	4.8	60.7	0.44	22.34	29.45	100.5	7.36	3.84	8.02	#REF!
2016/12/14	ME	DS1	12:13	T	1.2	133.9	0.42	22.37	29.44	101.9	7.46	3.74	8.03	#REF!
2016/12/14	ME	DS2	12:18	B	8	350.5	0.31	22.45	29.95	97.1	7.08	6.94	8	#REF!
2016/12/14	ME	DS2	12:18	M	4.8	110.9	0.38	22.38	29.44	99.8	7.3	4.04	8.03	#REF!
2016/12/14	ME	DS2	12:19	T	1.1	124.4	0.5	22.4	29.42	103.4	7.57	3.94	8.04	#REF!
2016/12/14	ME	DS2	12:20	B	8	190.5	0.3	22.44	29.91	97.3	7.09	5.04	8	#REF!
2016/12/14	ME	DS2	12:20	M	4.7	100.5	0.22	22.37	29.47	99.4	7.27	4.04	8.02	#REF!
2016/12/14	ME	DS2	12:21	T	1.2	141.1	0.41	22.41	29.43	103.1	7.54	3.44	8.04	#REF!
2016/12/14	ME	DS3	12:25	B	7	44.1	1.12	22.44	30	97.2	7.08	4.84	7.99	#REF!
2016/12/14	ME	DS3	12:26	M	4.6	128.7	0.68	22.38	29.57	98.8	7.23	4.24	8.01	#REF!
2016/12/14	ME	DS3	12:27	T	1.1	30.9	0.34	22.41	29.42	102.9	7.53	3.84	8.03	#REF!
2016/12/14	ME	DS3	12:27	B	7	72.1	0.24	22.45	30.01	96.4	7.02	5.74	7.99	#REF!
2016/12/14	ME	DS3	12:28	M	4.6	223.1	1.09	22.38	29.58	98.2	7.18	4.44	8.01	#REF!
2016/12/14	ME	DS3	12:28	T	1.1	114.5	0.35	22.41	29.43	102.5	7.5	3.64	8.03	#REF!
2016/12/14	ME	DS4	12:33	B	22.2	239.1	0.49	22.48	30.18	93.7	6.82	4.84	7.99	#REF!
2016/12/14	ME	DS4	12:35	M	12.1	136	0.98	22.43	29.74	97.5	7.12	3.24	8.01	#REF!
2016/12/14	ME	DS4	12:36	T	1.4	121.6	0.63	22.46	29.5	102.2	7.47	3.84	8.03	#REF!
2016/12/14	ME	DS4	12:37	B	22.1	350	0.53	22.47	30.11	94.2	6.86	4.64	7.99	#REF!
2016/12/14	ME	DS4	12:38	M	11.9	153.3	0.65	22.46	29.92	96.4	7.03	3.24	8	#REF!
2016/12/14	ME	DS4	12:38	T	1.2	107.5	0.28	22.47	29.46	102.5	7.49	3.64	8.03	#REF!
2016/12/14	ME	DS5	12:43	B	6.8	93.4	0.62	22.49	30.21	94.9	6.9	11.53	7.98	#REF!
2016/12/14	ME	DS5	12:44	M	4.2	1.9	0.09	22.46	29.83	98.9	7.21	4.64	8	#REF!
2016/12/14	ME	DS5	12:44	T	0.9	257.4	0.18	22.47	29.44	103.1	7.53	3.84	8.03	#REF!
2016/12/14	ME	DS5	12:45	B	6.7	146.6	0.41	22.49	30.25	95.8	6.96	8.73	7.97	#REF!