

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)
2016/12/02	MF	MW1	08:09	B	18.8	17.6	0.65	22.95	31.08	86.22	6.19	12.39	7.93	7.93
2016/12/02	MF	MW1	08:09	M	10.4	263.9	0.14	22.95	31.08	86.52	6.21	10.49	7.94	7.94
2016/12/02	MF	MW1	08:10	T	1.1	354.7	0.46	22.94	31.08	86.82	6.23	8.49	7.97	7.97
2016/12/02	MF	MW1	08:11	B	18.9	306.2	0.46	22.96	31.08	85.82	6.16	9.69	7.99	7.99
2016/12/02	MF	MW1	08:12	M	10.6	92.9	0.14	22.95	31.08	86.22	6.19	10.09	8	13.30
2016/12/02	MF	MW1	08:13	T	1.1	176.7	0.82	22.95	31.08	86.72	6.22	8.39	8.01	10.70
2016/12/02	MF	US2	09:26	B	6.6	332.1	0.89	22.03	30.93	93.61	6.83	20.48	8.09	13.30
2016/12/02	MF	US2	09:27	M	4.7	340.5	0.36	22.05	30.92	93.21	6.8	17.48	8.09	11.90
2016/12/02	MF	US2	09:28	T	1.1	170.5	0.12	22.06	30.92	93.31	6.81	14.49	8.08	12.00
2016/12/02	MF	US2	09:28	B	7	247.9	0.32	22.04	30.93	92.81	6.78	19.18	8.09	13.70
2016/12/02	MF	US2	09:29	M	4.5	315.7	0.76	22.06	30.93	92.81	6.77	16.18	8.09	12.50
2016/12/02	MF	US2	09:30	T	1	303.2	0.3	22.09	30.92	93.11	6.79	13.69	8.08	11.90
2016/12/02	MF	US1	09:33	B	7.7	36.5	0.52	21.91	30.87	95.12	6.96	23.38	8.08	16.50
2016/12/02	MF	US1	09:34	M	5.1	313.3	1.03	21.91	30.87	93.62	6.85	21.48	8.08	13.40
2016/12/02	MF	US1	09:35	T	1.1	287.7	0.44	21.91	30.88	93.72	6.86	18.08	8.08	13.20
2016/12/02	MF	US1	09:36	B	8	242.2	0.43	21.91	30.88	93.02	6.81	22.28	8.08	16.60
2016/12/02	MF	US1	09:36	M	5	239.5	0.71	21.92	30.88	93.22	6.82	18.18	8.08	14.00
2016/12/02	MF	US1	09:37	T	1	309.3	0.65	21.92	30.89	93.62	6.85	16.18	8.08	13.30
2016/12/02	MF	DS1	09:47	B	7.1	286.6	0.33	21.99	30.88	92.53	6.76	60.44	8.06	12.70
2016/12/02	MF	DS1	09:48	M	4.4	11.7	0.87	21.94	30.86	92.73	6.78	38.26	8.06	9.00
2016/12/02	MF	DS1	09:48	T	1	309.3	1.04	21.92	30.84	93.33	6.83	20.98	8.06	6.90
2016/12/02	MF	DS1	09:49	B	6.9	326.4	0.61	21.96	30.86	92.43	6.76	53.35	8.06	12.30
2016/12/02	MF	DS1	09:50	M	4.4	250	0.76	21.92	30.85	92.84	6.79	29.57	8.06	8.90
2016/12/02	MF	DS1	09:50	T	1.1	294.7	1.52	21.92	30.85	93.34	6.83	18.08	8.06	7.00
2016/12/02	MF	DS2	09:56	B	7.9	37.2	0.45	22.09	30.91	92.04	6.71	33.07	8.04	10.80
2016/12/02	MF	DS2	09:57	M	5	264.4	0.86	22.09	30.91	92.34	6.74	33.17	8.04	9.70
2016/12/02	MF	DS2	09:57	T	1.1	343.1	1.4	22.15	30.93	92.44	6.73	21.78	8.04	8.70
2016/12/02	MF	DS2	09:59	B	8.2	20.9	0.13	22.05	30.89	92.95	6.79	35.26	8.04	10.80
2016/12/02	MF	DS2	10:00	M	5	312.5	0.73	21.99	30.88	92.65	6.77	30.37	8.04	9.20
2016/12/02	MF	DS2	10:00	T	1.2	297	0.41	21.87	30.8	93.25	6.83	18.38	8.04	8.50
2016/12/02	MF	DS3	10:09	B	7.8	311.5	0.4	21.85	30.81	93.36	6.84	31.67	8.03	14.00
2016/12/02	MF	DS3	10:10	M	5	8.3	0.32	21.86	30.81	93.66	6.86	23.18	8.03	9.60
2016/12/02	MF	DS3	10:11	T	1.1	341.6	1.37	21.89	30.82	93.76	6.87	16.38	8.03	5.90
2016/12/02	MF	DS3	10:13	B	8	8.6	0.11	21.88	30.82	94.97	6.96	32.77	8.03	14.50
2016/12/02	MF	DS3	10:13	M	5.1	16.2	0.9	21.88	30.82	93.96	6.88	27.17	8.03	#REF!
2016/12/02	MF	DS3	10:14	T	1.1	282	0.72	21.88	30.81	93.87	6.88	20.28	8.03	#REF!
2016/12/02	MF	DS4	10:20	B	8	356.3	0.17	21.97	30.87	95.07	6.95	23.68	8.01	#REF!
2016/12/02	MF	DS4	10:20	M	5	307.1	0.81	22	30.88	93.97	6.87	18.68	8.01	#REF!
2016/12/02	MF	DS4	10:21	T	1	34.9	0.32	22.05	30.88	93.87	6.85	12.19	8.01	#REF!
2016/12/02	MF	DS4	10:21	B	7.9	329.7	0.89	21.98	30.87	93.27	6.82	20.98	8.01	#REF!
2016/12/02	MF	DS4	10:22	M	5	220.4	0.51	21.99	30.87	93.47	6.83	19.58	8.01	#REF!
2016/12/02	MF	DS4	10:22	T	1.2	290.2	0.61	22.04	30.88	93.57	6.83	13.59	8.01	#REF!
2016/12/02	MF	DS5	10:26	B	8	342	0.62	22.02	30.89	95.78	7	18.28	8.01	8.80
2016/12/02	MF	DS5	10:27	M	4.9	305.3	0.58	22.01	30.89	93.98	6.87	16.98	8.01	9.20
2016/12/02	ME	US2	13:23	B	8	72	0.31	22.26	31.01	93.78	6.82	10.59	7.96	13.60
2016/12/02	ME	US2	13:24	M	5	29.5	0.64	22.27	31.01	92.68	6.73	10.69	7.96	13.70
2016/12/02	ME	US2	13:25	T	1.2	77.3	0.52	22.32	30.99	92.98	6.75	7.89	7.97	9.00
2016/12/02	ME	US2	13:25	B	7.9	36.2	0.23	22.26	31.01	92.28	6.71	10.89	7.97	13.10
2016/12/02	ME	US2	13:26	M	5	137.1	0.46	22.28	31.01	92.28	6.7	9.49	7.98	12.80
2016/12/02	ME	US2	13:26	T	1	180.3	0.63	22.37	30.99	93.18	6.76	7.39	7.99	9.10
2016/12/02	ME	US1	13:31	B	8.8	233.1	0.39	22.31	30.99	93.97	6.82	9.69	8	#REF!
2016/12/02	ME	US1	13:32	M	5.5	155.7	0.2	22.36	30.99	93.07	6.75	8.29	8	#REF!
2016/12/02	ME	US1	13:32	T	1	58.7	0.28	22.44	31	93.17	6.75	7.69	8	#REF!
2016/12/02	ME	US1	13:33	B	9	228.3	0.31	22.31	30.99	92.37	6.71	9.49	8	#REF!
2016/12/02	ME	US1	13:33	M	5.6	102.5	0.81	22.31	30.99	92.47	6.72	8.69	8.01	#REF!
2016/12/02	ME	US1	13:34	T	1	100.9	0.19	22.43	31	92.97	6.74	6.79	8.01	#REF!
2016/12/02	ME	DS1	13:39	B	9	115.5	0.6	22.47	31.02	93.17	6.75	9.99	8.01	#REF!
2016/12/02	ME	DS1	13:39	M	5.5	211.2	0.25	22.54	31.04	91.97	6.65	8.89	8	#REF!

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2016/12/02	ME	DS1	13:40	T	1	219	0.22	22.55	31.04	91.47	6.61	9.49	8	#REF!
2016/12/02	ME	DS1	13:41	B	9	51.1	0.04	22.45	31.02	91.17	6.6	10.19	8.01	#REF!
2016/12/02	ME	DS1	13:41	M	5.4	128.8	0.57	22.51	31.04	91.37	6.61	9.29	8.01	#REF!
2016/12/02	ME	DS1	13:42	T	1.2	183.7	0.25	22.63	31.06	91.17	6.58	8.49	8.01	#REF!
2016/12/02	ME	DS2	13:46	B	8	144	0.12	22.57	31.05	92.36	6.67	11.99	8.02	#REF!
2016/12/02	ME	DS2	13:47	M	5.5	110.3	0.35	22.67	31.07	90.56	6.53	10.49	8.01	#REF!
2016/12/02	ME	DS2	13:47	T	0.9	46.4	1.18	22.69	31.06	90.56	6.53	9.29	8.01	#REF!
2016/12/02	ME	DS2	13:48	B	8	134.1	0.61	22.57	31.05	89.96	6.5	11.69	8.02	#REF!
2016/12/02	ME	DS2	13:49	M	5.5	79.2	0.27	22.65	31.07	89.96	6.49	13.09	8.02	#REF!
2016/12/02	ME	DS2	13:49	T	1	111	0.45	22.67	31.07	90.16	6.5	10.79	8.02	#REF!
2016/12/02	ME	DS3	13:53	B	8	333.6	0.25	22.68	31.07	91.76	6.62	8.89	8.01	#REF!
2016/12/02	ME	DS3	13:54	M	5	14	0.23	22.72	31.07	90.26	6.5	7.59	8.01	#REF!
2016/12/02	ME	DS3	13:54	T	1.1	182.7	0.28	22.81	31.08	90.36	6.5	5.59	8.01	#REF!
2016/12/02	ME	DS3	13:55	B	7.6	325.8	0.48	22.69	31.07	89.46	6.45	9.29	8.01	#REF!
2016/12/02	ME	DS3	13:56	M	5.1	102.3	0.15	22.72	31.08	89.56	6.45	6.99	8.01	#REF!
2016/12/02	ME	DS3	13:56	T	1	6.5	0.53	22.82	31.08	89.96	6.47	5.1	8.01	#REF!
2016/12/02	ME	DS4	14:02	B	20.9	105.7	0.13	22.67	31.06	89.65	6.47	7.79	8.01	#REF!
2016/12/02	ME	DS4	14:03	M	11.5	136.7	0.31	22.68	31.07	89.75	6.47	7.29	8.01	#REF!
2016/12/02	ME	DS4	14:03	T	1.2	268.1	0.27	22.74	31.07	90.55	6.52	6.09	8.02	#REF!
2016/12/02	ME	DS4	14:05	B	20.9	297.4	0.03	22.66	31.06	88.95	6.42	7.69	8.02	#REF!
2016/12/02	ME	DS4	14:05	M	11.4	47.7	0.3	22.69	31.07	89.45	6.45	8.49	8.02	#REF!
2016/12/02	ME	DS4	14:06	T	1.1	156.4	0.34	22.76	31.07	90.45	6.51	5.99	8.02	#REF!
2016/12/02	ME	DS5	14:10	B	6.9	354.4	0.3	22.55	31.05	91.95	6.65	8.89	8.01	#REF!
2016/12/02	ME	DS5	14:11	M	4.5	117.8	0.33	22.67	31.07	91.15	6.57	7.29	8.01	#REF!
2016/12/02	ME	DS5	14:11	T	1.1	92	0.62	22.92	31.08	91.25	6.55	5	8.01	#REF!
2016/12/02	ME	DS5	14:12	B	6.9	52.4	0.37	22.6	31.06	90.45	6.53	7.79	8.01	#REF!