

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)
2016/11/28	ME	MW1	10:56	B	20	346.2	0.29	23.63	31.1	90.74	6.43	6.99	7.91	9.00
2016/11/28	ME	MW1	10:57	M	11	198.4	0.33	23.63	31.11	89.64	6.36	5.1	7.93	6.50
2016/11/28	ME	MW1	10:58	T	1.1	144.5	0.19	23.66	31.11	90.34	6.4	5.1	7.96	7.60
2016/11/28	ME	MW1	10:59	B	19.9	70.9	0.56	23.62	31.11	88.94	6.31	7.19	7.98	8.60
2016/11/28	ME	MW1	11:00	M	10.9	216.9	0.79	23.63	31.11	89.34	6.33	6.29	7.99	13.50
2016/11/28	ME	MW1	11:01	T	1.1	233.3	0.67	23.65	31.1	89.84	6.37	5.49	8.01	13.30
2016/11/28	ME	US2	12:22	B	8	134.1	0.52	22.94	30.95	94.2	6.77	13.59	8.07	14.50
2016/11/28	ME	US2	12:22	M	5.1	168.9	0.33	22.86	30.86	91.51	6.59	9.79	8.06	9.60
2016/11/28	ME	US2	12:23	T	1	66.1	0.29	22.98	30.86	91.7	6.59	7.09	8.06	7.40
2016/11/28	ME	US2	12:24	B	7.9	108.9	0.93	22.94	30.95	90.61	6.51	10.49	8.06	13.90
2016/11/28	ME	US2	12:24	M	5.1	130.8	0.73	22.81	30.84	90.41	6.51	8.69	8.06	9.00
2016/11/28	ME	US2	12:25	T	0.9	127.9	0.71	22.94	30.85	91.2	6.55	6.99	8.06	7.20
2016/11/28	ME	US1	12:29	B	8	68.6	0.64	23.14	30.98	92.79	6.64	6.99	8.05	32.30
2016/11/28	ME	US1	12:30	M	5	279.5	0.33	23.23	30.98	91.59	6.54	7.09	8.05	23.20
2016/11/28	ME	US1	12:31	T	0.9	147	0.39	23.35	30.98	92.09	6.57	6.39	8.05	8.20
2016/11/28	ME	US1	12:31	B	8.1	124.8	0.89	22.99	30.98	90.49	6.49	8.89	8.05	31.40
2016/11/28	ME	US1	12:32	M	5.1	143.5	0.96	23.07	31	90.59	6.49	8.59	8.05	22.50
2016/11/28	ME	US1	12:32	T	0.8	227.8	0.57	23.36	30.99	91.59	6.53	6.69	8.05	8.40
2016/11/28	ME	DS1	12:37	B	8	192.2	0.66	22.96	30.97	92.08	6.61	13.49	8.04	22.80
2016/11/28	ME	DS1	12:38	M	5	112.9	1.11	23.01	30.97	91.58	6.57	10.09	8.04	18.00
2016/11/28	ME	DS1	12:38	T	0.9	271.8	0.26	23.09	30.98	91.58	6.56	7.59	8.05	9.80
2016/11/28	ME	DS1	12:39	B	8	74.2	0.38	22.92	30.95	90.48	6.5	12.49	8.04	22.40
2016/11/28	ME	DS1	12:40	M	5	169.8	0.41	23.07	30.98	91.08	6.53	7.39	8.05	17.80
2016/11/28	ME	DS1	12:40	T	1.1	352.4	0.08	23.14	30.99	91.68	6.56	6.69	8.05	9.90
2016/11/28	ME	DS2	12:44	B	7.7	108.8	0.2	23.09	31	92.27	6.61	9.39	8.03	23.40
2016/11/28	ME	DS2	12:45	M	5.2	46.2	0.07	23.17	31.02	91.27	6.53	6.99	8.03	16.30
2016/11/28	ME	DS2	12:46	T	1	196.8	0.28	23.26	31.02	91.77	6.55	5.49	8.03	9.00
2016/11/28	ME	DS2	12:46	B	7.9	135.2	0.74	23.06	31	90.37	6.48	10.69	8.03	22.50
2016/11/28	ME	DS2	12:47	M	4.9	153.6	0.38	23.14	31.01	90.57	6.48	8.99	8.03	16.60
2016/11/28	ME	DS2	12:47	T	1	131.6	0.29	23.23	31.02	91.57	6.54	6.29	8.03	9.10
2016/11/28	ME	DS3	12:51	B	8.1	40.9	0.25	23.12	31.01	93.16	6.67	9.29	8.03	25.30
2016/11/28	ME	DS3	12:52	M	4.9	131.7	0.84	23.21	31.02	91.66	6.55	7.39	8.03	16.30
2016/11/28	ME	DS3	12:53	T	1	138.6	0.58	23.34	31.03	91.76	6.54	5.1	8.03	11.90
2016/11/28	ME	DS3	12:53	B	8	301.2	0.26	23.13	31.01	90.76	6.5	10.69	8.03	24.40
2016/11/28	ME	DS3	12:54	M	4.8	127.8	0.54	23.21	31.02	91.06	6.51	7.89	8.03	#REF!
2016/11/28	ME	DS3	12:54	T	1.1	115.9	0.64	23.33	31.02	91.36	6.51	5.1	8.03	#REF!
2016/11/28	ME	DS4	12:59	B	21.1	241.6	0.26	23.12	31.01	90.95	6.51	9.19	8.02	#REF!
2016/11/28	ME	DS4	13:00	M	11.6	66.2	0.81	23.25	31.01	91.25	6.52	6.29	8.01	#REF!
2016/11/28	ME	DS4	13:01	T	0.9	178.2	0.42	23.35	31.02	91.65	6.53	4.7	8.02	#REF!
2016/11/28	ME	DS4	13:02	B	20.9	310.9	0.33	23.13	31.01	90.35	6.47	8.39	8.02	#REF!
2016/11/28	ME	DS4	13:02	M	11.7	332.3	0.14	23.12	31.01	90.94	6.51	8.09	8.02	#REF!
2016/11/28	ME	DS4	13:03	T	1	199.9	0.28	23.35	31.02	91.34	6.51	5.1	8.02	#REF!
2016/11/28	ME	DS5	13:07	B	7	83.8	1.12	23.15	31.01	93.33	6.68	12.69	8.01	14.50
2016/11/28	ME	DS5	13:08	M	4.6	109	0.94	23.23	31.02	92.03	6.57	8.09	8.01	9.00
2016/11/28	MF	US2	16:39	B	8.1	288	0.68	22.96	30.93	93.61	6.72	20.58	7.98	25.80
2016/11/28	MF	US2	16:39	M	5.1	237.7	0.33	23.03	30.94	92.5	6.63	16.28	7.98	18.00
2016/11/28	MF	US2	16:40	T	0.9	287.7	0.23	23.1	30.95	92.6	6.63	7.89	7.98	9.40
2016/11/28	MF	US2	16:41	B	7.9	187.8	0.05	23.01	30.94	91.69	6.58	21.28	7.98	26.60
2016/11/28	MF	US2	16:41	M	5	286.7	0.25	23.07	30.95	91.88	6.58	13.09	7.98	18.50
2016/11/28	MF	US2	16:42	T	0.8	301.8	0.82	23.09	30.95	92.17	6.6	8.79	7.98	9.40
2016/11/28	MF	US1	16:46	B	8	262	0.92	22.92	30.93	94	6.76	10.99	7.98	#REF!
2016/11/28	MF	US1	16:47	M	5.1	263.6	0.53	23	30.95	92.5	6.64	10.79	7.98	#REF!
2016/11/28	MF	US1	16:47	T	1.2	252.1	0.75	23.03	30.95	92.39	6.63	8.19	7.98	#REF!
2016/11/28	MF	US1	16:48	B	8	68.6	0.19	22.86	30.94	91.79	6.6	12.79	7.98	#REF!
2016/11/28	MF	US1	16:48	M	4.8	285.7	0.54	23.02	30.95	92.08	6.6	9.59	7.98	#REF!
2016/11/28	MF	US1	16:49	T	1.2	288.2	1.17	23.03	30.95	91.97	6.6	9.19	7.98	#REF!
2016/11/28	MF	DS1	16:54	B	8.1	324.8	0.49	22.65	30.97	95.08	6.86	12.09	7.98	#REF!
2016/11/28	MF	DS1	16:55	M	4.8	291.9	0.61	22.84	30.91	93.68	6.74	8.29	7.97	#REF!

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2016/11/28	MF	DS1	16:55	T	1.2	266.5	0.88	23.17	30.96	93.58	6.69	5.99	7.98	#REF!
2016/11/28	MF	DS1	16:56	B	8	310.4	1.05	22.66	30.96	93.17	6.73	9.29	7.98	#REF!
2016/11/28	MF	DS1	16:56	M	4.9	288.8	1.03	22.9	30.92	92.86	6.68	7.79	7.97	#REF!
2016/11/28	MF	DS1	16:57	T	1	325.9	0.77	23.14	30.96	93.06	6.66	5.99	7.98	#REF!
2016/11/28	MF	DS2	17:04	B	8	290.1	0.58	22.47	31.02	93.95	6.8	31.87	7.99	#REF!
2016/11/28	MF	DS2	17:04	M	5	297.5	1.07	22.64	30.99	94.44	6.82	16.78	7.99	#REF!
2016/11/28	MF	DS2	17:05	T	1	333	0.78	23	30.94	93.74	6.73	6.79	7.98	#REF!
2016/11/28	MF	DS2	17:06	B	8	274.5	0.93	22.51	31.01	94.02	6.8	17.48	7.99	#REF!
2016/11/28	MF	DS2	17:06	M	5	344.4	0.58	22.6	30.99	94.21	6.81	12.89	7.99	#REF!
2016/11/28	MF	DS2	17:07	T	0.9	309	0.84	22.95	30.94	93.61	6.72	10.09	7.98	#REF!
2016/11/28	MF	DS3	17:14	B	8	208.5	0.81	22.44	31.06	94.01	6.81	23.78	8	#REF!
2016/11/28	MF	DS3	17:14	M	5	106	0.32	22.65	30.98	94.3	6.81	16.08	7.99	#REF!
2016/11/28	MF	DS3	17:15	T	1.1	321.1	0.55	22.77	30.96	94.59	6.81	11.39	7.99	#REF!
2016/11/28	MF	DS3	17:15	B	8	288.4	0.47	22.42	31.06	94.19	6.82	21.38	7.99	#REF!
2016/11/28	MF	DS3	17:16	M	4.8	145.1	0.31	22.63	30.98	94.38	6.82	13.29	7.98	#REF!
2016/11/28	MF	DS3	17:16	T	1.1	304.2	0.43	22.78	30.97	94.57	6.81	10.59	7.98	#REF!
2016/11/28	MF	DS4	17:20	B	7.8	280.7	0.68	22.51	30.99	95.89	6.94	18.78	7.99	#REF!
2016/11/28	MF	DS4	17:21	M	5.2	319.6	0.21	22.54	30.99	94.8	6.86	15.18	7.98	#REF!
2016/11/28	MF	DS4	17:21	T	1	327.3	0.5	22.63	30.98	94.69	6.84	9.49	7.98	#REF!
2016/11/28	MF	DS4	17:23	B	8.1	331.5	0.39	22.5	30.99	93.98	6.8	22.28	7.98	#REF!
2016/11/28	MF	DS4	17:24	M	5	355.2	0.57	22.59	31	94.07	6.8	14.19	7.98	#REF!
2016/11/28	MF	DS4	17:24	T	0.9	314	0.83	22.85	30.97	94.45	6.79	9.99	7.98	#REF!
2016/11/28	MF	DS5	17:31	B	8.1	300.1	0.32	22.61	30.97	93.97	6.79	19.48	7.98	#REF!
2016/11/28	MF	DS5	17:31	M	5.1	9.9	0.65	22.58	30.96	93.86	6.78	16.38	7.98	#REF!
2016/11/28	MF	DS5	17:32	T	1	159.7	0.32	22.56	30.96	94.45	6.83	9.59	7.98	#REF!
2016/11/28	MF	DS5	17:33	B	7.8	8.8	0.72	22.59	30.97	93.65	6.77	22.28	7.98	#REF!