

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)
2016/11/25	ME	MW1	09:32	B	19.6	101.7	0.5	24.61	31.14	88.48	6.17	4.9	7.92	12.20
2016/11/25	ME	MW1	09:33	M	10.4	47.1	0.45	24.6	31.13	88.08	6.14	4.1	7.94	15.90
2016/11/25	ME	MW1	09:34	T	1	134	0.08	24.56	31.05	86.98	6.07	4.6	7.94	13.20
2016/11/25	ME	MW1	09:35	B	19	269.2	0.3	24.61	31.14	86.98	6.06	3.4	7.98	11.50
2016/11/25	ME	MW1	09:36	M	10.5	341.8	0.15	24.58	31.04	86.47	6.03	4.4	7.97	16.10
2016/11/25	ME	MW1	09:37	T	1	124.7	1.01	24.56	31.03	86.47	6.04	4.1	7.97	15.30
2016/11/25	ME	US2	11:01	B	7.8	44.6	0.21	23.99	30.66	93.24	6.59	12.09	8	17.60
2016/11/25	ME	US2	11:01	M	4.8	212.2	0.22	23.9	30.29	91.25	6.47	7.19	7.98	14.10
2016/11/25	ME	US2	11:02	T	1.2	93.1	0.49	23.96	30.12	90.55	6.42	4.3	7.96	14.00
2016/11/25	ME	US2	11:03	B	7.9	49	0.24	24	30.67	90.05	6.36	12.89	8	18.50
2016/11/25	ME	US2	11:03	M	5	149.1	0.83	23.88	30.34	90.25	6.4	7.09	7.99	13.80
2016/11/25	ME	US2	11:04	T	1	148.9	0.99	23.96	30.11	89.85	6.37	4.2	7.96	15.10
2016/11/25	ME	US1	11:08	B	8	35	0.41	23.93	30.32	92.02	6.52	16.28	7.98	26.60
2016/11/25	ME	US1	11:09	M	5	144.2	0.5	23.97	30.23	90.33	6.4	10.59	7.96	18.90
2016/11/25	ME	US1	11:09	T	1.3	115.7	1.18	24	30.12	89.53	6.34	4.9	7.95	15.30
2016/11/25	ME	US1	11:10	B	8	106.1	0.41	23.93	30.37	89.53	6.34	16.18	7.98	27.60
2016/11/25	ME	US1	11:10	M	5.2	80.4	0.68	23.93	30.38	89.73	6.35	14.09	7.98	17.80
2016/11/25	ME	US1	11:11	T	1.2	37.4	0.46	23.98	30.18	89.53	6.34	7.09	7.96	14.80
2016/11/25	ME	DS1	11:15	B	7	13.7	0.04	24.18	30.21	90.01	6.35	11.39	7.93	13.70
2016/11/25	ME	DS1	11:16	M	4.4	39.6	0.77	24.21	30.23	87.22	6.15	9.29	7.92	24.70
2016/11/25	ME	DS1	11:16	T	1.2	84.4	0.6	24.19	30.21	87.32	6.16	10.79	7.93	18.40
2016/11/25	ME	DS1	11:17	B	7	160	0.53	24.2	30.23	86.62	6.11	13.89	7.93	12.90
2016/11/25	ME	DS1	11:17	M	4.5	199.8	0.37	24.15	30.19	86.92	6.14	13.09	7.93	25.50
2016/11/25	ME	DS1	11:18	T	0.8	157.4	0.43	24.14	30.18	87.71	6.2	11.39	7.93	17.20
2016/11/25	ME	DS2	11:23	B	8.2	109.1	0.85	24.23	30.2	86.7	6.11	11.79	7.91	19.70
2016/11/25	ME	DS2	11:24	M	4.9	222.5	0.21	24.21	30.17	86.7	6.12	8.89	7.92	16.40
2016/11/25	ME	DS2	11:24	T	1.1	106.7	0.4	24.18	30.14	87.39	6.17	5.39	7.92	29.50
2016/11/25	ME	DS2	11:25	B	7.9	161.5	0.35	24.22	30.19	86.59	6.11	8.59	7.92	19.70
2016/11/25	ME	DS2	11:26	M	4.7	130.6	0.71	24.18	30.14	86.99	6.14	5.99	7.93	15.80
2016/11/25	ME	DS2	11:26	T	1.2	187.1	0.57	24.19	30.14	87.09	6.15	5.89	7.93	31.00
2016/11/25	ME	DS3	11:30	B	5.8	66.4	0.73	24.27	30.2	89.16	6.28	11.59	7.91	33.30
2016/11/25	ME	DS3	11:31	M	4	47.1	0.63	24.26	30.18	86.67	6.11	10.19	7.91	12.60
2016/11/25	ME	DS3	11:31	T	0.8	212.2	0.14	24.25	30.17	86.77	6.12	6.79	7.91	23.50
2016/11/25	ME	DS3	11:33	B	6	115.7	0.5	24.27	30.19	85.17	6	13.79	7.91	34.30
2016/11/25	ME	DS3	11:34	M	3.8	160	1.01	24.25	30.17	85.77	6.05	8.09	7.91	#REF!
2016/11/25	ME	DS3	11:35	T	1.2	3.4	1.13	24.25	30.17	86.06	6.07	6.39	7.91	#REF!
2016/11/25	ME	DS4	11:39	B	6.7	59.9	0.42	24.29	30.25	88.33	6.22	13.29	7.9	#REF!
2016/11/25	ME	DS4	11:40	M	4.5	90.2	1.02	24.29	30.25	85.75	6.04	12.59	7.89	#REF!
2016/11/25	ME	DS4	11:40	T	1.2	253.8	0.33	24.29	30.23	85.84	6.05	10.29	7.9	#REF!
2016/11/25	ME	DS4	11:41	B	7.2	72	0.57	24.29	30.25	85.15	6	15.38	7.9	#REF!
2016/11/25	ME	DS4	11:42	M	4.6	186.3	0.75	24.28	30.25	85.34	6.01	13.89	7.9	#REF!
2016/11/25	ME	DS4	11:43	T	1.1	57.7	0.63	24.29	30.22	85.64	6.03	9.79	7.9	#REF!
2016/11/25	ME	DS5	11:47	B	7	137.6	0.53	24.22	30.21	88.7	6.26	8.89	7.89	10.70
2016/11/25	ME	DS5	11:48	M	4.6	119.9	0.63	24.23	30.2	86.02	6.07	8.69	7.89	11.50
2016/11/25	MF	US2	15:02	B	7.9	295.1	0.47	24.27	30.31	89.52	6.31	10.59	7.9	21.80
2016/11/25	MF	US2	15:02	M	4.7	336.7	0.72	24.26	30.28	88.42	6.23	9.59	7.89	15.00
2016/11/25	MF	US2	15:03	T	1.1	326.1	0.55	24.34	30.2	88.12	6.2	6.49	7.88	7.70
2016/11/25	MF	US2	15:03	B	7.6	185.7	0.14	24.27	30.31	87.52	6.16	10.29	7.9	23.00
2016/11/25	MF	US2	15:04	M	5.1	271.9	1.02	24.26	30.29	87.72	6.18	10.09	7.9	15.70
2016/11/25	MF	US2	15:05	T	0.8	238.5	1.38	24.37	30.2	87.52	6.16	6.69	7.87	7.50
2016/11/25	MF	US1	15:09	B	8.1	239.6	0.64	24.3	30.28	89.5	6.3	12.69	7.88	#REF!
2016/11/25	MF	US1	15:09	M	5.2	291.9	1.21	24.3	30.28	87.6	6.17	11.59	7.88	#REF!
2016/11/25	MF	US1	15:10	T	1	293.5	0.65	24.3	30.24	87.9	6.19	8.19	7.88	#REF!
2016/11/25	MF	US1	15:10	B	8	312.7	0.5	24.3	30.28	86.9	6.12	11.79	7.88	#REF!
2016/11/25	MF	US1	15:11	M	5.1	270.3	0.96	24.3	30.28	86.9	6.12	12.19	7.88	#REF!
2016/11/25	MF	US1	15:12	T	0.9	233.2	0.35	24.29	30.26	87.4	6.16	8.49	7.88	#REF!
2016/11/25	MF	DS1	15:16	B	8	245.7	0.92	24.18	30.29	90.87	6.41	12.39	7.9	#REF!
2016/11/25	MF	DS1	15:16	M	4.9	240.3	0.25	24.27	30.26	88.48	6.23	9.59	7.88	#REF!

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2016/11/25	MF	DS1	15:17	T	0.7	318.9	0.6	24.34	30.22	87.48	6.16	6.99	7.88	#REF!
2016/11/25	MF	DS1	15:18	B	8	245.6	0.19	24.23	30.28	87.28	6.15	11.09	7.89	#REF!
2016/11/25	MF	DS1	15:18	M	5.2	273.4	1.01	24.29	30.26	87.17	6.14	9.59	7.88	#REF!
2016/11/25	MF	DS1	15:19	T	1.1	261.1	1.1	24.33	30.23	87.07	6.13	7.69	7.88	#REF!
2016/11/25	MF	DS2	15:23	B	7.7	313.9	0.71	24.1	30.29	91.85	6.49	14.79	7.9	#REF!
2016/11/25	MF	DS2	15:24	M	4.8	255.5	0.82	24.16	30.27	90.25	6.37	13.39	7.89	#REF!
2016/11/25	MF	DS2	15:24	T	1.1	304.2	0.88	24.27	30.24	90.25	6.36	7.09	7.89	#REF!
2016/11/25	MF	DS2	15:25	B	8	104.6	0.13	24.09	30.3	89.45	6.32	17.88	7.9	#REF!
2016/11/25	MF	DS2	15:25	M	5	292.6	0.6	24.15	30.29	89.35	6.31	13.69	7.89	#REF!
2016/11/25	MF	DS2	15:26	T	1	303.8	1.13	24.28	30.25	89.14	6.28	7.39	7.88	#REF!
2016/11/25	MF	DS3	15:30	B	8.1	299.6	0.52	23.97	30.35	95.61	6.77	9.59	7.91	#REF!
2016/11/25	MF	DS3	15:30	M	5	290.9	0.28	23.97	30.35	90.82	6.43	13.49	7.91	#REF!
2016/11/25	MF	DS3	15:31	T	1	231.2	0.91	24.17	30.24	91.32	6.45	7.29	7.9	#REF!
2016/11/25	MF	DS3	15:31	B	8.2	233.7	0.27	23.97	30.36	90.12	6.38	16.48	7.91	#REF!
2016/11/25	MF	DS3	15:32	M	5.2	312.2	0.1	23.98	30.34	90.12	6.38	13.79	7.91	#REF!
2016/11/25	MF	DS3	15:32	T	0.9	326.1	0.77	24.17	30.24	90.92	6.42	7.59	7.9	#REF!
2016/11/25	MF	DS4	15:36	B	8	313.5	0.19	23.94	30.35	93.39	6.61	14.69	7.9	#REF!
2016/11/25	MF	DS4	15:37	M	5.2	286.8	0.3	23.98	30.32	91.7	6.49	11.29	7.9	#REF!
2016/11/25	MF	DS4	15:37	T	0.9	351.6	0.38	24.12	30.26	91.7	6.48	6.49	7.89	#REF!
2016/11/25	MF	DS4	15:38	B	8	262	0.3	23.95	30.35	90.8	6.43	13.59	7.9	#REF!
2016/11/25	MF	DS4	15:39	M	5	210	0.19	23.97	30.31	90.8	6.43	10.59	7.9	#REF!
2016/11/25	MF	DS4	15:39	T	0.8	298.1	0.65	24.13	30.26	91.39	6.45	6.99	7.89	#REF!
2016/11/25	MF	DS5	15:44	B	8.1	313.7	0.38	23.91	30.38	92.67	6.57	9.39	7.91	#REF!
2016/11/25	MF	DS5	15:44	M	5	349.2	0.45	23.98	30.3	92.17	6.53	7.09	7.9	#REF!
2016/11/25	MF	DS5	15:45	T	0.9	267.1	0.45	24.22	30.13	93.36	6.59	3.5	7.9	#REF!
2016/11/25	MF	DS5	15:46	B	8.2	92	0.47	23.91	30.4	91.57	6.49	10.49	7.91	#REF!