

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)
2016/11/10	ME	MW1	07:48	B	18.1	147.3	0.3	25.89	31.28	85.67	5.84	4.46	8.04	6.00
2016/11/10	ME	MW1	07:48	M	10.1	319.7	0.53	25.89	31.26	85.27	5.81	4.46	8.12	6.00
2016/11/10	ME	MW1	07:49	T	1	201.5	0.03	25.86	31.25	85.38	5.82	4.36	8.15	5.50
2016/11/10	ME	MW1	07:50	B	17.9	133.5	0.55	25.88	31.25	84.28	5.74	4.36	8.17	6.20
2016/11/10	ME	MW1	07:51	M	10.2	138.7	0.29	25.88	31.24	84.48	5.76	4.56	8.17	11.70
2016/11/10	ME	MW1	07:52	T	1.2	24.2	0.46	25.83	31.22	84.78	5.78	4.16	8.18	7.50
2016/11/10	ME	US2	09:56	B	6	105.1	0.65	25.27	30.01	92.33	6.4	6.34	7.79	8.20
2016/11/10	ME	US2	09:56	M	3.7	94.6	0.56	25.14	29.74	89.46	6.23	5.34	7.84	7.60
2016/11/10	ME	US2	09:57	T	1.5	147.6	0.65	24.95	29.59	87.98	6.15	4.34	7.89	5.40
2016/11/10	ME	US2	09:58	B	6.1	108.7	1.09	25.29	29.96	86.69	6.01	6.04	7.93	8.30
2016/11/10	ME	US2	09:58	M	4	165.3	0.88	25.21	29.8	86.29	6	5.24	7.96	7.70
2016/11/10	ME	US2	09:59	T	1	204.6	0.78	24.93	29.55	87.07	6.09	4.04	7.99	5.30
2016/11/10	ME	US1	10:03	B	7	99.8	0.54	25.26	30.13	89.11	6.18	7.44	7.98	9.50
2016/11/10	ME	US1	10:04	M	4.6	341.3	0.53	25.18	29.77	87.04	6.05	5.84	8.01	7.70
2016/11/10	ME	US1	10:04	T	1.1	263.5	0.22	25.12	29.68	86.84	6.05	5.04	8.02	7.90
2016/11/10	ME	US1	10:05	B	7.2	102.7	0.53	25.27	30.12	86.34	5.98	8.14	8.05	9.70
2016/11/10	ME	US1	10:06	M	4.5	113.6	1.49	25.24	29.89	86.14	5.98	6.04	8.06	7.50
2016/11/10	ME	US1	10:06	T	1.2	132.7	1	25.03	29.57	86.43	6.03	4.44	8.07	7.70
2016/11/10	ME	DS1	10:12	B	7.1	71	0.53	25.27	30.04	89.05	6.18	6.44	8.01	6.50
2016/11/10	ME	DS1	10:13	M	4.6	122.3	0.54	25.23	29.83	86.19	5.99	6.44	8.04	6.80
2016/11/10	ME	DS1	10:13	T	1	194.1	0.48	25.1	29.61	85.79	5.98	4.64	8.06	5.70
2016/11/10	ME	DS1	10:14	B	7.2	120.7	0.43	25.26	30.06	85.29	5.91	7.04	8.07	6.10
2016/11/10	ME	DS1	10:14	M	4.4	146.2	0.32	25.26	29.94	85.19	5.91	7.24	8.08	6.80
2016/11/10	ME	DS1	10:15	T	1.1	123.4	0.95	25.11	29.61	85.38	5.95	4.44	8.09	5.80
2016/11/10	ME	DS2	10:20	B	6.2	132.6	0.6	25.35	29.92	86.83	6.02	6.34	8.04	7.10
2016/11/10	ME	DS2	10:20	M	4.1	148.9	0.92	25.34	29.92	84.66	5.87	6.14	8.06	10.00
2016/11/10	ME	DS2	10:21	T	1	136	0.48	25.19	29.73	84.76	5.9	5.24	8.08	11.60
2016/11/10	ME	DS2	10:21	B	6.2	144.6	0.64	25.38	29.95	83.86	5.81	6.34	8.08	7.00
2016/11/10	ME	DS2	10:22	M	3.8	120.3	0.14	25.27	29.81	83.86	5.82	5.54	8.09	9.60
2016/11/10	ME	DS2	10:22	T	1.1	97.6	0.63	25.19	29.75	84.55	5.88	4.84	8.1	12.40
2016/11/10	ME	DS3	10:27	B	6	79.6	0.53	25.4	29.95	84.32	5.84	6.14	8.06	11.00
2016/11/10	ME	DS3	10:28	M	4	99.5	0.78	25.18	29.71	84.51	5.88	5.04	8.08	9.90
2016/11/10	ME	DS3	10:28	T	1	64.8	0.99	25.16	29.68	85.1	5.92	4.44	8.09	8.30
2016/11/10	ME	DS3	10:29	B	6	55	0.4	25.32	29.86	83.22	5.77	5.84	8.09	10.40
2016/11/10	ME	DS3	10:30	M	3.6	342.2	0.28	25.22	29.73	83.81	5.83	4.94	8.1	9.80
2016/11/10	ME	DS3	10:30	T	1.4	101.4	0.18	25.2	29.73	84.2	5.86	4.74	8.1	8.10
2016/11/10	ME	DS4	10:35	B	8.2	165.6	0.43	25.25	29.83	87.32	6.06	7.24	8.05	9.40
2016/11/10	ME	DS4	10:35	M	4.8	96.9	0.35	25.22	29.8	84.46	5.87	6.84	8.07	7.60
2016/11/10	ME	DS4	10:36	T	1.1	54.4	0.61	25.19	29.77	84.26	5.86	5.64	8.08	8.60
2016/11/10	ME	DS4	10:36	B	7.9	114.9	0.38	25.25	29.81	83.37	5.79	6.14	8.09	10.10
2016/11/10	ME	DS4	10:37	M	5	54.3	0.58	25.22	29.79	83.37	5.79	5.74	8.09	7.80
2016/11/10	ME	DS4	10:37	T	1	122.4	1.23	25.09	29.66	84.45	5.89	4.04	8.1	8.20
2016/11/10	ME	DS5	10:42	B	5.1	54.5	0.22	25.23	29.81	88.06	6.12	8.14	8.05	11.20
2016/11/10	ME	DS5	10:42	M	3.6	60.8	0.71	25.21	29.8	84.51	5.87	8.04	8.06	10.90
2016/11/10	MF	US2	14:44	B	6.1	325.6	0.17	25.16	29.72	89.5	6.23	9.24	7.94	10.50
2016/11/10	MF	US2	14:44	M	3.8	298.4	0.58	25.16	29.71	88.5	6.16	7.74	7.94	8.70
2016/11/10	MF	US2	14:45	T	1.4	301.4	0.91	25.15	29.67	88.4	6.16	4.54	7.95	7.30
2016/11/10	MF	US2	14:45	B	6.1	256.6	0.42	25.17	29.72	87.2	6.07	8.04	7.95	10.30
2016/11/10	MF	US2	14:46	M	4.2	289.1	0.79	25.17	29.72	87	6.05	8.34	7.95	8.50
2016/11/10	MF	US2	14:46	T	1.1	283.4	0.94	25.14	29.67	87.8	6.11	4.84	7.96	6.90
2016/11/10	MF	US1	14:51	B	6.5	279.3	0.5	25.16	29.72	90.79	6.32	7.14	7.93	#REF!
2016/11/10	MF	US1	14:52	M	4.1	255.5	0.71	25.18	29.71	88.79	6.18	7.24	7.95	#REF!
2016/11/10	MF	US1	14:52	T	1.4	264	0.84	25.18	29.7	88.39	6.15	6.34	7.96	#REF!
2016/11/10	MF	US1	14:53	B	6.1	338.8	0.69	25.18	29.71	87.79	6.11	6.74	7.97	#REF!
2016/11/10	MF	US1	14:54	M	4.1	261.2	1.13	25.18	29.69	87.79	6.11	6.34	7.97	#REF!
2016/11/10	MF	US1	14:54	T	1	271.9	1.11	25.18	29.69	87.99	6.12	5.84	7.97	#REF!
2016/11/10	MF	DS1	15:00	B	7.1	301.8	0.76	25.19	29.72	92.27	6.42	6.24	7.94	#REF!
2016/11/10	MF	DS1	15:00	M	4.6	158.7	0.7	25.18	29.73	89.17	6.2	6.34	7.95	#REF!

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2016/11/10	MF	DS1	15:01	T	1.4	245.6	0.59	25.17	29.64	88.87	6.19	4.54	7.97	#REF!
2016/11/10	MF	DS1	15:02	B	7.1	346	0.54	25.19	29.74	87.97	6.12	6.94	7.97	#REF!
2016/11/10	MF	DS1	15:02	M	4.4	255.1	0.68	25.2	29.72	87.87	6.11	6.84	7.98	#REF!
2016/11/10	MF	DS1	15:03	T	1.1	351.3	0.63	25.19	29.65	88.17	6.14	4.84	7.98	#REF!
2016/11/10	MF	DS2	15:07	B	6.1	136.9	0.64	25.21	29.69	91.36	6.35	7.44	7.95	#REF!
2016/11/10	MF	DS2	15:08	M	4	272.6	0.59	25.19	29.66	88.86	6.18	6.14	7.96	#REF!
2016/11/10	MF	DS2	15:08	T	1.2	22.7	2.28	25.17	29.64	88.76	6.18	5.04	7.97	#REF!
2016/11/10	MF	DS2	15:09	B	6.2	308.5	0.67	25.2	29.68	87.76	6.11	6.94	7.97	#REF!
2016/11/10	MF	DS2	15:10	M	4	288.8	0.64	25.18	29.66	87.96	6.12	6.04	7.97	#REF!
2016/11/10	MF	DS2	15:10	T	1	263.3	0.66	25.16	29.64	88.26	6.15	5.14	7.97	#REF!
2016/11/10	MF	DS3	15:15	B	6.2	8.3	0.66	25.21	29.7	91.24	6.35	6.64	7.95	#REF!
2016/11/10	MF	DS3	15:15	M	4	184.7	0.23	25.18	29.65	89.05	6.2	5.04	7.96	#REF!
2016/11/10	MF	DS3	15:16	T	1	158.6	0.15	25.12	29.62	88.75	6.18	4.04	7.97	#REF!
2016/11/10	MF	DS3	15:16	B	6.2	34.4	0.63	25.23	29.73	87.75	6.1	6.24	7.98	#REF!
2016/11/10	MF	DS3	15:17	M	4.1	302.2	0.42	25.2	29.69	87.75	6.1	5.44	7.98	#REF!
2016/11/10	MF	DS3	15:17	T	1.2	145.7	0.39	25.14	29.62	88.14	6.14	4.04	7.98	#REF!
2016/11/10	MF	DS4	15:22	B	6	317.9	0.33	25.21	29.64	90.73	6.31	5.74	7.94	#REF!
2016/11/10	MF	DS4	15:22	M	4	312.4	0.69	25.21	29.64	88.43	6.15	5.94	7.95	#REF!
2016/11/10	MF	DS4	15:23	T	1.1	46.3	0.7	25.19	29.64	88.23	6.14	4.74	7.96	#REF!
2016/11/10	MF	DS4	15:24	B	6.2	214.7	0.87	25.22	29.64	87.53	6.09	6.84	7.96	#REF!
2016/11/10	MF	DS4	15:24	M	4.2	306.2	0.84	25.19	29.64	87.63	6.1	5.54	7.96	#REF!
2016/11/10	MF	DS4	15:25	T	0.8	319.8	0.74	25.18	29.63	87.93	6.12	5.24	7.96	#REF!
2016/11/10	MF	DS5	15:29	B	6.1	356.7	0.5	25.27	29.66	92.01	6.39	6.24	7.92	#REF!
2016/11/10	MF	DS5	15:30	M	4.2	337.8	0.53	25.26	29.66	88.62	6.16	6.14	7.93	#REF!
2016/11/10	MF	DS5	15:30	T	1	152.7	0.24	25.24	29.66	88.12	6.13	5.54	7.94	#REF!
2016/11/10	MF	DS5	15:31	B	6.1	312.4	0.22	25.28	29.66	87.22	6.06	5.84	7.95	#REF!