

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)
2016/11/14	ME	MW1	10:56	B	18.8	37.1	0.06	25.35	31.16	81.44	5.6	9.69	7.86	12.80
2016/11/14	ME	MW1	10:57	M	10.6	87.9	0.56	25.36	31.16	81.64	5.62	10.49	7.87	14.10
2016/11/14	ME	MW1	10:58	T	0.9	151.5	0.59	25.38	31.12	82.94	5.71	6.69	7.88	11.00
2016/11/14	ME	MW1	10:59	B	18.9	149.8	0.48	25.36	31.17	81.15	5.58	11.19	7.89	13.00
2016/11/14	ME	MW1	11:00	M	10.4	161.1	0.12	25.35	31.16	81.55	5.61	9.69	7.9	11.00
2016/11/14	ME	MW1	11:01	T	1	102.8	0.31	25.33	31.14	82.45	5.68	11.19	7.89	11.20
2016/11/14	ME	US	12:40	M	11.7	55	0.02	24.92	30.38	88.58	6.17	76.12	7.96	17.50
2016/11/14	ME	US	12:40	M	11.7	137.4	0.74	24.92	30.36	88.58	6.17	78.22	7.96	9.60
2016/11/14	ME	US2	12:47	B	7.1	94.8	0.81	24.85	30.5	89.5	6.23	21.68	7.96	28.80
2016/11/14	ME	US2	12:48	M	4.6	235.5	0.48	24.88	30.33	88.5	6.17	11.59	7.95	23.20
2016/11/14	ME	US2	12:48	T	1.1	111.3	0.5	25.17	29.5	88.91	6.19	8.29	7.91	12.40
2016/11/14	ME	US2	12:49	B	6.8	73.8	0.62	24.85	30.5	88.51	6.17	24.98	7.96	27.30
2016/11/14	ME	US2	12:50	M	4.6	101.2	0.51	24.94	30.26	88.01	6.13	10.59	7.94	23.30
2016/11/14	ME	US2	12:51	T	0.8	74.1	1.09	25.57	29.21	89.31	6.19	5.89	7.9	12.40
2016/11/14	ME	US1	13:02	B	6.8	114.9	0.64	24.86	30.45	88.25	6.15	24.68	7.94	21.60
2016/11/14	ME	US1	13:02	M	4.4	102.2	0.53	25.14	29.89	88.25	6.14	10.09	7.92	16.90
2016/11/14	ME	US1	13:03	T	0.7	154.4	1.18	25.59	28.94	89.36	6.2	6.29	7.89	16.50
2016/11/14	ME	US1	13:04	B	6.9	106.1	0.51	24.86	30.46	88.15	6.14	28.07	7.94	21.80
2016/11/14	ME	US1	13:05	M	4.7	121	1.27	25.17	29.79	88.56	6.16	10.99	7.91	17.90
2016/11/14	ME	US1	13:05	T	1.2	135	0.07	25.42	29.02	89.06	6.2	6.89	7.89	16.60
2016/11/14	ME	DS1	13:32	B	6.6	149.2	0.65	24.95	30.16	88.34	6.15	20.18	7.92	24.00
2016/11/14	ME	DS1	13:32	M	4.3	98.9	0.99	24.97	30.07	88.55	6.17	19.18	7.92	20.70
2016/11/14	ME	DS1	13:33	T	1	100.9	0.93	25.3	29.31	88.85	6.18	8.79	7.89	19.40
2016/11/14	ME	DS1	13:34	B	6.9	137.4	0.93	24.93	30.18	88.25	6.15	21.88	7.92	22.80
2016/11/14	ME	DS1	13:34	M	4.5	107.7	0.99	24.95	30.14	88.35	6.16	18.68	7.92	20.10
2016/11/14	ME	DS1	13:35	T	1.2	104.6	0.45	25.17	29.43	88.45	6.16	8.79	7.89	19.10
2016/11/14	ME	DS2	13:40	B	6	108.2	0.35	25.03	30.03	90.08	6.27	21.08	7.94	23.60
2016/11/14	ME	DS2	13:41	M	3.9	98.8	0.73	25.11	29.83	89.38	6.22	19.28	7.92	20.30
2016/11/14	ME	DS2	13:41	T	0.9	97.6	0.81	25.33	29.44	89.48	6.22	10.09	7.9	23.10
2016/11/14	ME	DS2	13:42	B	6.1	185.6	0.19	25.03	30.01	88.78	6.18	20.28	7.92	22.00
2016/11/14	ME	DS2	13:43	M	4	131.1	0.32	25.15	29.73	88.78	6.18	16.28	7.91	20.80
2016/11/14	ME	DS2	13:43	T	1.1	95.8	0.73	25.39	29.42	89.39	6.21	10.29	7.9	22.80
2016/11/14	ME	DS3	13:50	B	5.7	118.1	0.5	25.06	29.96	88.7	6.18	24.68	7.91	24.00
2016/11/14	ME	DS3	13:51	M	4	112.1	0.7	25.13	29.81	88.91	6.19	19.08	7.91	22.40
2016/11/14	ME	DS3	13:51	T	1	116.1	0.76	25.44	29.39	89.61	6.22	8.09	7.89	16.50
2016/11/14	ME	DS3	13:52	B	5.8	93.2	0.89	25.08	29.91	88.61	6.17	21.48	7.91	24.50
2016/11/14	ME	DS3	13:52	M	3.8	118	0.92	25.21	29.67	88.81	6.18	15.88	7.9	21.60
2016/11/14	ME	DS3	13:53	T	0.8	84	1.13	25.39	29.43	89.42	6.21	8.99	7.89	16.00
2016/11/14	ME	DS4	13:59	B	7.8	75	0.37	25.03	30.19	90.04	6.26	36.16	7.94	15.70
2016/11/14	ME	DS4	14:00	M	4.9	227.3	0.5	25.1	29.89	89.44	6.22	27.17	7.92	17.80
2016/11/14	ME	DS4	14:00	T	1.2	164.3	0.97	25.31	29.53	89.75	6.24	10.89	7.9	15.60
2016/11/14	ME	DS4	14:01	B	7.8	122.8	0.14	25.07	30.01	88.84	6.18	29.67	7.91	15.60
2016/11/14	ME	DS4	14:02	M	5.1	202.7	0.74	25.13	29.81	88.84	6.18	18.18	7.9	6.30
2016/11/14	ME	DS4	14:02	T	1.1	86.9	0.86	25.39	29.49	89.65	6.22	10.39	7.89	6.60
2016/11/14	MF	US	17:08	M	14	285.9	0.3	25.1	29.75	88.84	6.19	11.29	7.82	0.00
2016/11/14	MF	US	17:08	M	13.8	232.1	0.53	25.09	29.77	88.14	6.14	11.99	7.83	0.00
2016/11/14	MF	US1	17:15	B	8.1	272.4	0.15	25.14	29.85	88.63	6.17	21.38	7.88	17.20
2016/11/14	MF	US1	17:16	M	4.7	294.8	0.66	25.22	29.68	88.93	6.18	10.19	7.87	11.60
2016/11/14	MF	US1	17:16	T	1	256.7	0.78	25.26	29.63	89.32	6.21	8.39	7.87	11.30
2016/11/14	MF	US1	17:17	B	7.6	296.4	1.06	25.17	29.8	88.62	6.16	23.38	7.88	18.00
2016/11/14	MF	US1	17:18	M	5	309.3	0.9	25.2	29.71	89.12	6.2	11.79	7.87	#REF!
2016/11/14	MF	US1	17:19	T	1.1	278.2	1.39	25.28	29.61	89.52	6.22	6.99	7.87	#REF!
2016/11/14	MF	US2	17:28	B	6	256.8	0.75	25.2	30.1	89.3	6.2	26.67	7.92	#REF!
2016/11/14	MF	US2	17:28	M	3.8	275.6	1.01	25.21	29.96	89.4	6.21	21.18	7.91	#REF!
2016/11/14	MF	US2	17:29	T	1	248.4	0.95	25.23	29.72	89.5	6.22	7.29	7.89	#REF!
2016/11/14	MF	US2	17:30	B	6.1	292.5	0.82	25.2	30.11	89.3	6.2	26.27	7.92	#REF!
2016/11/14	MF	US2	17:30	M	4.2	285.2	0.93	25.2	30.05	89.4	6.21	23.38	7.92	#REF!
2016/11/14	MF	US2	17:31	T	1.2	269.1	1.28	25.24	29.72	89.59	6.23	7.49	7.9	#REF!

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2016/11/14	MF	DS1	17:43	B	8	260.6	0.98	25.17	29.84	88.37	6.14	34.17	7.91	#REF!
2016/11/14	MF	DS1	17:43	M	4.8	318.4	0.56	25.16	29.84	88.47	6.15	20.78	7.91	#REF!
2016/11/14	MF	DS1	17:44	T	0.8	281.9	1.08	25.2	29.75	88.97	6.19	12.49	7.91	#REF!
2016/11/14	MF	DS1	17:45	B	7.8	349.5	0.45	25.17	29.88	88.47	6.15	23.98	7.92	#REF!
2016/11/14	MF	DS1	17:45	M	4.8	345.2	0.66	25.16	29.85	88.47	6.15	21.38	7.92	#REF!
2016/11/14	MF	DS1	17:46	T	1.2	345.9	1.28	25.16	29.8	88.76	6.17	13.49	7.91	#REF!
2016/11/14	MF	DS2	17:53	B	7.8	321.4	0.76	25.13	29.77	89.45	6.23	18.88	7.92	#REF!
2016/11/14	MF	DS2	17:54	M	5	327	0.34	25.12	29.78	88.25	6.14	15.98	7.92	#REF!
2016/11/14	MF	DS2	17:55	T	0.9	347.5	1.09	25.15	29.8	88.65	6.17	14.49	7.92	#REF!
2016/11/14	MF	DS2	17:55	B	7.6	292.6	0.75	25.13	29.8	87.85	6.11	20.68	7.92	#REF!
2016/11/14	MF	DS2	17:57	M	4.6	290.1	0.71	25.16	29.83	88.54	6.16	20.08	7.93	#REF!
2016/11/14	MF	DS2	17:58	T	1.2	299.1	0.34	25.17	29.81	89.04	6.19	12.09	7.93	#REF!
2016/11/14	MF	DS3	18:05	B	7.9	83	0.52	25.18	29.66	88.23	6.14	21.88	7.91	#REF!
2016/11/14	MF	DS3	18:05	M	5	297.9	0.89	25.2	29.65	88.03	6.12	19.08	7.91	#REF!
2016/11/14	MF	DS3	18:06	T	1.3	25	0.5	25.22	29.65	88.32	6.14	18.98	7.91	#REF!
2016/11/14	MF	DS3	18:12	B	8	250.3	1	25.19	29.8	88.11	6.13	29.87	7.93	#REF!
2016/11/14	MF	DS3	18:13	M	5.1	331.3	0.56	25.19	29.81	88.41	6.15	28.07	7.93	#REF!
2016/11/14	MF	DS3	18:13	T	1.3	345	0.71	25.18	29.83	88.81	6.17	21.18	7.94	#REF!
2016/11/14	MF	DS4	18:18	B	7.8	305.1	1.37	25.14	29.69	88.6	6.17	20.08	7.92	#REF!
2016/11/14	MF	DS4	18:19	M	4.7	282.6	0.75	25.21	29.67	88.3	6.14	18.28	7.92	#REF!
2016/11/14	MF	DS4	18:20	T	1.4	334.3	0.45	25.23	29.69	88.99	6.19	13.89	7.92	#REF!
2016/11/14	MF	DS4	18:20	B	7.8	349.5	0.2	25.22	29.72	88.59	6.16	23.08	7.92	#REF!
2016/11/14	MF	DS4	18:21	M	5.5	19.9	0.7	25.22	29.74	88.89	6.18	18.78	7.92	#REF!
2016/11/14	MF	DS4	18:21	T	1.2	311.2	0.87	25.24	29.68	89.19	6.2	19.68	7.92	#REF!
2016/11/14	MF	DS5	18:27	B	7.5	333.6	0.36	25.25	29.49	87.78	6.11	28.37	7.91	#REF!
2016/11/14	MF	DS5	18:28	M	5	321.8	1.04	25.26	29.49	87.88	6.11	24.38	7.9	#REF!