

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)
2016/10/28	ME	DS	09:56	M	13	27.3	0.04	27.64	33.67	79.61	5.2	7.56	7.59	0.00
2016/10/28	ME	DS	09:57	M	13.1	198	0.27	27.63	31.9	79.16	5.22	7.26	7.61	0.00
2016/10/28	ME	US	10:01	M	13.3	170.7	1.12	27.64	31.72	79.21	5.23	9.68	7.67	0.00
2016/10/28	ME	US	10:02	M	13.3	194	0.28	27.63	32	78.43	5.17	9.34	7.68	0.00
2016/10/28	ME	US2	10:11	B	7.9	75.4	0.7	27.6	29.91	84.84	5.66	5.93	7.73	7.60
2016/10/28	ME	US2	10:12	M	4.9	122.4	0.86	27.78	28.64	84.46	5.66	3.76	7.72	5.90
2016/10/28	ME	US1	10:19	B	8.2	237.6	0.15	27.71	32.74	83.31	5.46	6.55	7.71	8.90
2016/10/28	ME	US1	10:20	M	5.1	160.9	0.35	27.91	27.53	85.39	5.74	3.2	7.7	5.40
2016/10/28	ME	US1	10:20	T	1.2	254.7	0.17	28.16	26.34	85.98	5.8	2.38	7.67	9.50
2016/10/28	ME	US1	10:21	B	8.2	81.4	0.63	27.75	30.58	82.85	5.49	4.7	7.71	8.60
2016/10/28	ME	US1	10:22	M	5.1	162.3	0.15	27.87	29.63	85.24	5.67	3.23	7.7	5.10
2016/10/28	ME	US1	10:23	T	1.3	224.7	0.42	28.15	26.82	85.75	5.77	2.55	7.67	10.00
2016/10/28	ME	DS1	10:28	B	8.1	110	0.09	27.63	34.15	80.74	5.26	6.19	7.71	8.00
2016/10/28	ME	DS1	10:29	M	4.9	117	0.6	27.68	33.72	80.13	5.23	6.75	7.7	4.70
2016/10/28	ME	DS1	10:29	T	1.1	133.1	1.19	28.08	30.69	86.81	5.72	2.99	7.7	3.50
2016/10/28	ME	DS1	10:30	B	8.4	119.2	0.32	27.62	34.34	79.69	5.18	6.57	7.71	8.40
2016/10/28	ME	DS1	10:31	M	4.9	19.5	0.5	27.67	33.93	79.82	5.2	7.02	7.71	4.90
2016/10/28	ME	DS1	10:31	T	1.2	276	1.64	28.11	29.52	85.84	5.69	2.75	7.69	3.50
2016/10/28	ME	DS2	10:36	B	6.9	148.3	0.51	27.64	34.01	82.08	5.35	6.15	7.7	9.30
2016/10/28	ME	DS2	10:37	M	4.2	94.2	1.31	27.82	32.33	84.26	5.53	5.43	7.71	7.80
2016/10/28	ME	DS2	10:38	T	1.3	23.7	0.23	28.09	29.14	89	5.91	2.07	7.7	4.00
2016/10/28	ME	DS2	10:38	B	6.8	41.9	0.08	27.66	32.2	81.38	5.35	6.01	7.7	9.20
2016/10/28	ME	DS2	10:39	M	4.7	199.6	0.95	27.78	30.93	82.87	5.48	6.2	7.7	8.10
2016/10/28	ME	DS2	10:40	T	1.1	69.8	0.88	28.09	29.46	89.21	5.92	2.13	7.71	4.20
2016/10/28	ME	DS3	10:45	B	6.9	46.7	0.14	27.67	33.18	82.91	5.42	4.93	7.71	7.60
2016/10/28	ME	DS3	10:46	M	4.6	148.6	0.51	27.78	31.63	85.48	5.63	4.22	7.72	8.80
2016/10/28	ME	DS3	10:46	T	1.2	142.4	0.78	28.26	30.85	90.27	5.93	1.84	7.69	3.00
2016/10/28	ME	DS3	10:47	B	6.8	166.5	0.19	27.69	32.49	82.44	5.41	4.85	7.7	7.70
2016/10/28	ME	DS3	10:48	M	4.4	178.1	1.15	27.9	30.54	86.8	5.74	5.88	7.71	8.40
2016/10/28	ME	DS3	10:48	T	1.6	145.1	1.56	28.23	28.4	89.75	5.98	1.92	7.7	3.20
2016/10/28	ME	DS4	10:53	B	8	105.9	0.68	27.7	31.33	84.18	5.56	6.96	7.71	9.30
2016/10/28	ME	DS4	10:53	M	4.9	165.1	0.2	27.86	29.94	87.31	5.8	3.79	7.71	5.30
2016/10/28	ME	DS4	10:54	T	1	142.4	0.88	28.3	29.82	91.19	6.02	1.83	7.69	3.10
2016/10/28	ME	DS4	10:55	B	7.9	30.6	0.7	27.76	30.14	84.84	5.64	5.74	7.71	8.80
2016/10/28	ME	DS4	10:55	M	4.9	166.5	0.11	27.92	29.6	87.91	5.84	3.45	7.71	5.30
2016/10/28	ME	DS4	10:56	T	1.2	160.7	0.88	28.17	30.96	91.06	5.98	1.92	7.71	3.00
2016/10/28	ME	DS5	11:01	B	5.9	106	1	27.71	31.24	83.97	5.55	6.38	7.71	8.30
2016/10/28	ME	DS5	11:01	M	3.9	95.3	1.34	27.91	29.55	88.26	5.87	3.93	7.72	8.40
2016/10/28	ME	DS5	11:02	T	1	148.1	1.22	28.17	28.11	91.88	6.13	2.43	7.72	4.40
2016/10/28	ME	DS5	11:02	B	6.2	45	0.34	27.7	31.3	82.63	5.46	9.78	7.71	8.80
2016/10/28	ME	DS5	11:03	M	4.1	130	0.51	27.88	29.91	87.31	5.8	3.89	7.72	8.90
2016/10/28	ME	DS5	11:03	T	1.2	85.2	1.21	28.18	26.28	91.48	6.17	2.09	7.71	4.40
2016/10/28	ME	MW1	11:53	B	19.6	284.1	0.52	27.55	29.38	84.77	5.68	6	7.73	23.80
2016/10/28	ME	MW1	11:53	M	11.3	287.5	0.15	27.56	26.42	84.84	5.78	5.31	7.73	5.40
2016/10/28	MF	MW1	16:19	M	10.5	132.2	0.27	27.88	26.7	91.14	6.16	3.22	7.76	5.20
2016/10/28	MF	MW1	16:20	T	1.2	229.2	0.29	28.4	24.93	104.25	7.06	2.02	7.81	4.20
2016/10/28	MF	DS	17:26	M	12.2	46.7	0.98	27.72	26.38	81.15	5.51	12.96	7.73	0.00
2016/10/28	MF	DS	17:28	M	12.2	332.2	0.77	27.73	26.19	80.83	5.49	13.05	7.73	0.00
2016/10/28	MF	US	17:34	M	13.9	18.1	0.45	27.91	25.47	84.09	5.72	10.56	7.72	0.00
2016/10/28	MF	US	17:35	M	13.9	342.1	0.6	27.94	25.37	84.32	5.74	10.27	7.72	0.00
2016/10/28	MF	US2	17:44	B	7	303.6	0.63	27.66	27.49	81.28	5.49	47.27	7.72	76.10
2016/10/28	MF	US2	17:44	M	4.7	282.3	0.71	27.74	26.99	81.91	5.54	24.38	7.72	45.10
2016/10/28	MF	US2	17:45	T	1.1	307.3	1.41	28.17	24.68	89.09	6.06	6.71	7.73	12.50
2016/10/28	MF	US2	17:47	B	7.2	354.1	0.61	27.67	27.41	82.12	5.55	51.02	7.72	81.90
2016/10/28	MF	US2	17:48	M	4.6	311.5	0.8	27.73	27.09	81.93	5.54	33.63	7.73	44.20
2016/10/28	MF	US2	17:48	T	1.2	284.9	0.77	28.06	24.92	86.67	5.9	5.37	7.72	11.60
2016/10/28	MF	US1	17:53	B	7.6	255.8	0.84	27.69	27.17	81.57	5.52	29.13	7.72	27.60
2016/10/28	MF	US1	17:53	M	4.8	271	0.77	27.88	26.23	84.37	5.72	12.61	7.73	18.20

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2016/10/28	MF	US1	17:54	T	1.7	293.4	0.94	28.14	24.93	89.61	6.09	7.23	7.74	7.70
2016/10/28	MF	US1	17:55	B	7.9	229.4	0.32	27.76	26.88	82.52	5.58	20.11	7.72	26.60
2016/10/28	MF	US1	17:56	M	5.2	296.6	0.91	28.06	25.24	87.35	5.94	7.51	7.73	18.00
2016/10/28	MF	US1	17:56	T	1.3	327.9	0.34	28.36	23.91	93.95	6.4	4.06	7.75	7.70
2016/10/28	MF	DS1	18:05	B	7.8	331.5	0.98	27.74	26.78	81.9	5.55	21.69	7.72	19.40
2016/10/28	MF	DS1	18:06	M	4.8	318.7	1.35	27.89	26.04	83.75	5.68	17.2	7.72	19.40
2016/10/28	MF	DS1	18:06	T	1	352.9	1.03	28.37	23.7	92.61	6.31	3.6	7.74	8.60
2016/10/28	MF	DS1	18:07	B	7.9	317.1	0.99	27.77	26.64	82.49	5.59	23.33	7.72	20.10
2016/10/28	MF	DS1	18:08	M	4.8	339	0.61	27.87	26.18	83.17	5.64	14.49	7.72	19.00
2016/10/28	MF	DS1	18:08	T	1.2	316.9	1.07	28.36	23.82	93.3	6.36	3.73	7.73	8.30
2016/10/28	MF	DS2	18:13	B	7.8	297.6	0.94	27.67	26.83	80.77	5.48	18.14	7.7	31.00
2016/10/28	MF	DS2	18:13	M	5.1	263.6	0.39	27.81	25.72	81.24	5.53	13.78	7.7	26.80
2016/10/28	MF	DS2	18:14	T	1.2	278.5	0.96	28.25	24.01	88.34	6.02	4.66	7.71	28.60
2016/10/28	MF	DS2	18:15	B	7.9	290.7	0.29	27.65	26.96	79.31	5.37	22.76	7.7	30.60
2016/10/28	MF	DS2	18:15	M	5.3	348.4	0.5	27.72	26.37	80.16	5.44	14.86	7.71	27.10
2016/10/28	MF	DS2	18:16	T	1.5	338.4	1.6	28.2	24.27	87.97	6	5.79	7.71	26.40
2016/10/28	MF	DS3	18:22	B	7.7	80	0.52	27.72	26.31	80.04	5.44	16.11	7.7	23.60
2016/10/28	MF	DS3	18:22	M	5	331.7	0.17	27.92	24.66	83.86	5.73	11.21	7.71	22.10
2016/10/28	MF	DS3	18:23	T	1.1	341.5	1.08	28.63	22.53	97.51	6.66	2.2	7.74	12.80
2016/10/28	MF	DS3	18:24	B	7.8	338.2	0.62	27.72	26.34	79.33	5.39	17.29	7.7	24.30
2016/10/28	MF	DS3	18:25	M	5.1	296.7	0.99	27.9	24.94	81.97	5.59	11	7.7	23.00
2016/10/28	MF	DS3	18:26	T	1.2	324	1.72	28.57	22.56	96.07	6.57	2.39	7.74	13.00
2016/10/28	MF	DS4	18:33	B	8	310.9	0.3	27.82	25.68	80.37	5.47	22.91	7.69	34.00
2016/10/28	MF	DS4	18:34	M	5.1	196	0.11	27.95	24.5	85.19	5.82	23.72	7.7	36.60
2016/10/28	MF	DS4	18:34	T	1.1	345.2	0.2	28.67	22.37	100.16	6.85	2.21	7.75	19.40
2016/10/28	MF	DS4	18:35	B	8.1	271.3	0.83	27.84	25.57	81.38	5.54	27.85	7.68	33.90