

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)
2016/10/26	ME	DS	08:31	M	9.2	231.8	0.07	27.41	27.12	78.69	5.35	5.69	7.62	0.00
2016/10/26	ME	DS	08:32	M	9.2	101.6	0.14	27.4	27.28	77.35	5.25	6.14	7.66	0.00
2016/10/26	ME	US	08:38	M	14.3	294.9	0.3	27.36	27.72	77.32	5.24	4.85	7.71	0.00
2016/10/26	ME	US	08:39	M	14.2	304.4	0.48	27.35	27.75	76.55	5.19	4.88	7.72	0.00
2016/10/26	ME	US2	08:49	B	8.3	157.3	0.81	27.37	26.13	79.88	5.46	5.42	7.71	6.30
2016/10/26	ME	US2	08:50	M	4.8	178.8	0.61	27.51	24.35	82.47	5.68	2.8	7.72	3.70
2016/10/26	ME	US1	08:58	B	8	319.7	0.04	27.36	26.22	80.37	5.5	5.53	7.73	7.40
2016/10/26	ME	US1	08:58	M	5.2	121.6	0.47	27.49	23.91	83.85	5.8	2.72	7.73	3.30
2016/10/26	ME	US1	08:59	T	1	311.6	0.45	27.65	21.8	84.63	5.9	2.8	7.71	3.60
2016/10/26	ME	US1	09:00	B	8.6	22	0.06	27.37	26.36	79.51	5.43	5.45	7.73	7.80
2016/10/26	ME	US1	09:00	M	4.8	183.9	0.5	27.61	23.41	84.92	5.87	2.51	7.72	3.50
2016/10/26	ME	US1	09:00	T	1.5	159.8	0.84	27.65	22.15	84.57	5.89	2.77	7.7	3.80
2016/10/26	ME	DS1	09:06	B	8.2	222.6	0.68	27.39	26.75	79.13	5.39	7.23	7.72	9.80
2016/10/26	ME	DS1	09:06	M	5.7	62.6	0.84	27.5	25.24	82.49	5.66	3.7	7.73	6.00
2016/10/26	ME	DS1	09:07	T	0.9	157.4	1.37	27.62	21.83	86.38	6.03	2.64	7.71	3.20
2016/10/26	ME	DS1	09:08	B	7.9	102.9	0.48	27.39	27.03	77.79	5.29	7.47	7.73	9.10
2016/10/26	ME	DS1	09:09	M	4.8	71.3	0.71	27.44	25.81	80.3	5.5	4.19	7.74	6.00
2016/10/26	ME	DS1	09:10	T	1.2	221.1	0.86	27.73	22.22	84.65	5.88	2.89	7.7	3.10
2016/10/26	ME	DS2	09:15	B	8.1	256.9	0.28	27.39	26.8	79.12	5.39	6.2	7.72	10.20
2016/10/26	ME	DS2	09:16	M	4.8	136.5	0.45	27.49	25.43	82.92	5.68	3.73	7.73	5.40
2016/10/26	ME	DS2	09:17	T	1.3	113.9	0.34	27.75	22.55	85.95	5.96	2.67	7.69	3.40
2016/10/26	ME	DS2	09:17	B	8	160.2	1.05	27.4	26.85	78.65	5.36	6.88	7.72	10.80
2016/10/26	ME	DS2	09:18	M	4.9	75	1.46	27.48	25.55	83.28	5.7	3.94	7.73	5.50
2016/10/26	ME	DS2	09:19	T	0.7	331.1	1.03	27.58	21.81	86.4	6.03	2.53	7.7	3.60
2016/10/26	ME	DS3	09:24	B	6.9	74.4	0.7	27.4	26.8	79.44	5.41	6.78	7.71	8.00
2016/10/26	ME	DS3	09:25	M	4.8	163.2	0.33	27.5	25.25	84.48	5.79	3.35	7.73	3.90
2016/10/26	ME	DS3	09:25	T	1	128.2	1.31	27.82	22.84	87	6.02	2.55	7.7	3.20
2016/10/26	ME	DS3	09:26	B	6.9	91.5	0.57	27.4	26.86	78.77	5.36	7.46	7.72	7.60
2016/10/26	ME	DS3	09:27	M	4.4	71.8	0.73	27.55	24.96	84.69	5.81	3.13	7.73	4.00
2016/10/26	ME	DS3	09:27	T	0.7	185.6	0.2	27.74	22.48	86.62	6.01	2.58	7.71	3.20
2016/10/26	ME	DS4	09:32	B	14.2	34.6	0.32	27.38	27.56	79.07	5.36	7.08	7.72	3.50
2016/10/26	ME	DS4	09:33	M	7.9	107.9	0.66	27.42	26.63	79.59	5.42	4.92	7.73	3.30
2016/10/26	ME	DS4	09:34	T	1.1	131.1	1.09	27.81	22.42	87.82	6.09	2.51	7.7	2.50
2016/10/26	ME	DS4	09:35	B	13.8	173.8	0.29	27.38	27.52	78.31	5.31	6.89	7.71	3.30
2016/10/26	ME	DS4	09:36	M	7.6	72.1	0.41	27.43	25.74	82.93	5.68	3.98	7.72	3.10
2016/10/26	ME	DS4	09:37	T	1.4	83.2	0.64	27.81	22.75	88.01	6.09	2.46	7.71	2.50
2016/10/26	ME	DS5	09:42	B	6.1	164.2	0.4	27.37	26.01	84.49	5.78	3.44	7.71	9.30
2016/10/26	ME	DS5	09:43	M	3.2	121.3	0.57	27.54	24.74	86.47	5.94	2.93	7.73	5.40
2016/10/26	ME	DS5	09:44	T	0.8	33.4	0.24	27.9	22.59	90.01	6.22	2.33	7.7	3.30
2016/10/26	ME	DS5	09:45	B	5.9	90.2	0.33	27.34	25.78	84.75	5.81	2.92	7.72	9.70
2016/10/26	ME	DS5	09:46	M	4	77.5	1.52	27.59	24.32	87.49	6.02	2.77	7.72	5.70
2016/10/26	ME	DS5	09:47	T	1.1	106.3	0.47	27.87	22.56	89.8	6.21	2.36	7.69	3.20
2016/10/26	ME	MW1	10:38	B	19	9.7	0.59	27.26	29.66	81.69	5.49	2.99	7.75	4.30
2016/10/26	ME	MW1	10:39	M	10.7	79.7	0.72	27.29	29.03	82.01	5.53	2.73	7.74	4.00
2016/10/26	MF	MW1	15:33	M	10.5	220.2	0.13	27.56	26.69	85.16	5.79	2.8	7.7	6.50
2016/10/26	MF	MW1	15:34	T	0.9	297.6	0.37	27.94	25.78	92.18	6.26	2.07	7.72	3.80
2016/10/26	MF	DS	16:37	M	12.3	226.3	0.45	27.39	27.92	75.79	5.13	8.46	7.68	0.00
2016/10/26	MF	DS	16:38	M	12.3	34.8	0.51	27.38	27.97	75.4	5.1	9.09	7.68	0.00
2016/10/26	MF	US	16:42	M	13.3	212.6	0.23	27.42	28.27	77.33	5.22	13.89	7.68	0.00
2016/10/26	MF	US	16:43	M	13	311	0.3	27.44	27.92	76.96	5.21	12.11	7.68	0.00
2016/10/26	MF	US2	16:51	B	7	291.3	0.45	27.48	26.56	78.8	5.58	22.32	7.69	25.60
2016/10/26	MF	US2	16:52	M	4.8	310.3	0.2	27.57	26.08	80.04	5.68	12.06	7.69	21.70
2016/10/26	MF	US2	16:53	T	1.1	289.6	0.74	28.08	26.82	90.09	6.31	4.17	7.71	9.30
2016/10/26	MF	US2	16:53	B	7.2	300	0.42	27.5	28.28	79.09	5.33	19.37	7.69	26.30
2016/10/26	MF	US2	16:54	M	4.5	294	0.64	27.58	27.59	80.3	5.43	13.4	7.69	20.80
2016/10/26	MF	US2	16:55	T	0.9	1.8	0.98	27.95	25.54	87.94	5.98	5.4	7.71	8.90
2016/10/26	MF	US1	17:00	B	8.2	337	0.58	27.42	28.34	78.47	5.3	20.39	7.68	29.00
2016/10/26	MF	US1	17:00	M	5.1	192	0.67	27.53	27.66	79.31	5.36	12.43	7.69	17.80

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2016/10/26	MF	US1	17:01	T	1.2	321.9	1.06	28.19	23.82	94.72	6.47	3.1	7.73	3.70
2016/10/26	MF	US1	17:03	B	8.6	328.7	0.53	27.42	28.35	77.25	5.21	21.98	7.68	28.90
2016/10/26	MF	US1	17:03	M	5.9	321.9	0.39	27.53	27.75	80.26	5.43	12.72	7.68	17.40
2016/10/26	MF	US1	17:04	T	1.4	283.3	1.42	28.09	24.87	91.69	6.24	3.62	7.71	3.60
2016/10/26	MF	DS1	17:10	B	8.1	15.5	0.52	27.44	27.89	78.02	5.28	12.17	7.67	18.30
2016/10/26	MF	DS1	17:11	M	5	12.1	0.27	27.56	27.25	80.22	5.44	8.77	7.68	12.90
2016/10/26	MF	DS1	17:12	T	1	30.4	0.4	28.02	24.46	90.61	6.19	3.76	7.7	5.10
2016/10/26	MF	DS1	17:13	B	8.5	67.3	0.42	27.43	27.95	76.96	5.21	14	7.67	18.20
2016/10/26	MF	DS1	17:13	M	4.8	283	1.04	27.54	27.34	79.09	5.36	8.79	7.68	12.60
2016/10/26	MF	DS1	17:14	T	1.4	358.7	1.38	28.03	24.54	89.94	6.14	3.83	7.7	5.30
2016/10/26	MF	DS2	17:18	B	7.7	108.2	0.09	27.39	27.81	75.16	5.09	31.65	7.66	41.80
2016/10/26	MF	DS2	17:19	M	5.1	317.4	0.88	27.52	26.86	78.78	5.35	9.14	7.67	14.30
2016/10/26	MF	DS2	17:20	T	1.1	1.5	1.05	27.96	24.2	89.63	6.14	3.45	7.69	4.80
2016/10/26	MF	DS2	17:23	B	7.7	115	0.17	27.4	27.9	74.63	5.05	34.91	7.66	41.30
2016/10/26	MF	DS2	17:24	M	5.4	72.1	0.27	27.49	27.05	77.77	5.28	9.83	7.67	14.20
2016/10/26	MF	DS2	17:25	T	1.4	302.6	1.84	27.98	24.64	89.27	6.09	3.71	7.7	4.90
2016/10/26	MF	DS3	17:29	B	7.8	33.1	0.74	27.42	27.22	77.28	5.25	14.22	7.65	14.80
2016/10/26	MF	DS3	17:30	M	5.2	310.6	0.7	27.45	25.91	78.39	5.36	12.01	7.64	15.90
2016/10/26	MF	DS3	17:31	T	1.3	355.9	0.4	27.81	24.47	87.56	6	3.96	7.67	5.70
2016/10/26	MF	DS3	17:32	B	7.7	301.5	0.46	27.42	27.17	76.77	5.22	13.14	7.65	15.10
2016/10/26	MF	DS3	17:32	M	5.1	324.3	0.17	27.46	25.63	78.53	5.38	12.34	7.65	15.60
2016/10/26	MF	DS3	17:33	T	1.3	332.4	0.65	27.83	24.48	87.44	5.99	3.84	7.67	5.80
2016/10/26	MF	DS4	17:38	B	7.9	351.7	0.49	27.46	25.97	79.88	5.46	34.01	7.64	38.90
2016/10/26	MF	DS4	17:38	M	5.4	345.9	1.24	27.47	25.5	80.15	5.49	15	7.65	14.80
2016/10/26	MF	DS4	17:39	T	1.2	71.1	0.44	27.98	22.74	95.05	6.56	2.53	7.7	2.90
2016/10/26	MF	DS4	17:40	B	7.8	357.3	0.7	27.47	25.75	79.96	5.47	30.16	7.65	39.40