

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)
2017/08/21	ME	MW1	11:05	B	19.1	26.1	0.64	26.05	29.03	75.85	5.22	5.15	7.67	7.90
2017/08/21	ME	MW1	11:06	M	10.7	350.2	0.27	26.76	26.8	83.04	5.72	4.34	7.75	6.70
2017/08/21	ME	MW1	11:07	T	0.9	122	0.59	28.6	22.09	107.32	7.35	3.74	7.87	6.20
2017/08/21	ME	MW1	11:08	B	18.8	23	0.43	26	29.18	76.94	5.29	9.15	7.8	8.40
2017/08/21	ME	MW1	11:09	M	10.3	281	0.12	27.12	25.83	87.33	6.01	4.34	7.85	7.10
2017/08/21	ME	MW1	11:10	T	0.7	58.7	1.47	28.59	22.14	108.01	7.4	3.64	7.93	6.00
2017/08/21	ME	US2	12:44	B	6.6	116.8	0.81	27.36	24.26	64.43	4.45	29.27	7.86	31.90
2017/08/21	ME	US2	12:45	M	3.1	147	0.58	28.49	19.73	72.49	5.04	10.45	7.9	23.80
2017/08/21	ME	US2	12:46	T	1.2	120.2	0.55	29.9	16.23	94.9	6.57	5.35	7.98	8.70
2017/08/21	ME	US2	12:47	B	5.9	99.3	0.79	27.38	24.18	65.32	4.52	27.67	7.85	31.70
2017/08/21	ME	US2	12:47	M	3.1	123.4	1.16	28.49	19.68	71.99	5.01	13.45	7.9	25.20
2017/08/21	ME	US2	12:48	T	1.3	140.8	1	30.13	15.98	103.85	7.17	4.24	8	9.20
2017/08/21	ME	US1	12:53	B	9.8	70.3	0.94	27.67	23.25	69.69	4.82	21.66	7.87	22.00
2017/08/21	ME	US1	12:54	M	6.3	74.8	1	28.13	22.06	71.38	4.93	16.26	7.87	15.70
2017/08/21	ME	US1	12:55	T	1.1	136.8	1.27	30.4	15.56	108.01	7.45	4.74	8.02	6.50
2017/08/21	ME	US1	12:56	B	10.5	71.5	0.75	27.59	23.49	68.39	4.73	26.97	7.86	23.60
2017/08/21	ME	US1	12:57	M	5.9	75.8	1.54	28	21.83	69.38	4.81	19.16	7.86	16.10
2017/08/21	ME	US1	12:58	T	0.9	117.7	0.93	30.64	15.91	106.9	7.33	4.74	8	6.70
2017/08/21	ME	DS1	13:04	B	7.3	154.8	0.75	27.89	22.49	70.96	4.91	18.26	7.86	22.20
2017/08/21	ME	DS1	13:04	M	3.8	150.3	1.44	29.56	17.07	98.12	6.8	5.95	7.97	6.20
2017/08/21	ME	DS1	13:05	T	1.1	134.1	1.31	29.67	17.04	101.8	7.05	5.04	7.98	7.20
2017/08/21	ME	DS1	13:06	B	7.2	100.7	0.37	28.08	21.7	75.43	5.23	15.36	7.88	20.80
2017/08/21	ME	DS1	13:07	M	4.1	127.1	0.87	28.87	19.1	84.88	5.89	10.15	7.92	6.40
2017/08/21	ME	DS1	13:07	T	0.9	136	1.74	29.79	17.28	98.81	6.82	5.95	7.96	7.30
2017/08/21	ME	DS2	13:12	B	6.2	125.3	0.21	27.81	22.78	73.02	5.05	25.57	7.85	29.40
2017/08/21	ME	DS2	13:13	M	3.7	111.4	1.41	28.62	19.47	81.18	5.64	13.85	7.9	20.20
2017/08/21	ME	DS2	13:14	T	1.3	122.1	1.13	29.77	17.51	98.59	6.79	6.45	7.95	11.20
2017/08/21	ME	DS2	13:14	B	6.4	167	0.2	28.01	22.08	75.9	5.25	22.16	7.86	28.50
2017/08/21	ME	DS2	13:15	M	4.2	124.6	1.13	28.75	19.78	84.95	5.88	12.25	7.89	19.90
2017/08/21	ME	DS2	13:16	T	0.7	122.8	1.4	29.59	18.01	94.4	6.51	8.05	7.93	10.90
2017/08/21	ME	DS3	13:24	B	4.7	83.9	1.01	28.01	21.69	68.92	4.78	29.87	7.83	20.50
2017/08/21	ME	DS3	13:24	M	3.7	74.5	1.24	28.38	21.04	76.47	5.29	19.56	7.85	11.80
2017/08/21	ME	DS3	13:25	T	0.8	130.9	0.52	29.17	19.45	87.71	6.04	10.45	7.88	31.00
2017/08/21	ME	DS3	13:28	B	5.9	104.7	1.25	27.92	22.41	70.3	4.86	34.57	7.83	19.20
2017/08/21	ME	DS3	13:28	M	4.2	44.4	0.21	28.18	21.59	74.47	5.15	23.16	7.84	11.70
2017/08/21	ME	DS3	13:29	T	0.8	112.7	0.66	29.07	19.86	84.51	5.82	13.45	7.87	18.50
2017/08/21	ME	DS4	13:39	B	15.2	274.3	0.19	26.26	28.57	68.18	4.69	23.56	7.81	18.50
2017/08/21	ME	DS4	13:40	M	8.7	113.5	0.62	27.84	22.62	68.48	4.74	29.47	7.82	25.50
2017/08/21	ME	DS4	13:41	T	1.3	91.9	1.42	28.58	21.42	79.01	5.44	16.56	7.84	17.80
2017/08/21	ME	DS4	13:42	B	15	300.3	0.4	26.39	28.14	68.08	4.68	25.17	7.81	17.60
2017/08/21	ME	DS4	13:42	M	8.8	72.1	0.52	27.92	22.44	70.06	4.85	28.77	7.82	23.70
2017/08/21	ME	DS4	13:43	T	0.8	118.6	1.6	28.57	21.27	79.2	5.46	17.96	7.84	16.90
2017/08/21	ME	DS5	13:49	B	6	60.4	1.14	27.82	22.63	71.04	4.92	26.47	7.81	21.50
2017/08/21	ME	DS5	13:50	M	3.8	93.5	0.31	27.97	22.26	71.04	4.91	23.06	7.81	25.60
2017/08/21	MF	DS1	17:55	B	6.8	284.1	1.01	28.95	18.98	78.71	5.46	22.96	7.7	17.00
2017/08/21	MF	DS1	17:56	M	4.5	142	0.45	29.82	16.11	82.1	5.7	15.36	7.72	16.00
2017/08/21	MF	DS1	17:56	T	1	337.7	0.49	30.11	15.22	84.89	5.89	13.25	7.72	15.00
2017/08/21	MF	DS1	17:57	B	6.9	323.6	0.51	28.53	20.36	76.4	5.29	18.26	7.7	16.40
2017/08/21	MF	DS1	17:58	M	4.5	46.8	0.58	29.77	16.19	81.78	5.68	14.55	7.72	16.50
2017/08/21	MF	DS1	17:59	T	1	282	0.42	30.18	14.99	85.67	5.95	12.15	7.73	15.40
2017/08/21	MF	DS2	18:09	B	5.5	249.9	0.52	29.96	15.54	83.81	5.82	12.95	7.74	12.80
2017/08/21	MF	DS2	18:10	M	4	130.1	0.23	30.12	15.02	84.3	5.86	12.75	7.74	13.50
2017/08/21	MF	DS2	18:11	T	1.1	272.3	0.46	30.19	14.79	85.3	5.93	13.45	7.74	12.50
2017/08/21	MF	DS2	18:12	B	5.9	10.4	0.47	29.82	15.85	81.1	5.64	14.35	7.72	13.10
2017/08/21	MF	DS2	18:12	M	4	277.2	0.41	30.03	15.28	82.69	5.74	12.85	7.73	13.00
2017/08/21	MF	DS2	18:13	T	1.1	331	0.3	30.13	14.98	84.48	5.87	13.25	7.74	12.40
2017/08/21	MF	DS3	18:20	B	6	90.7	0.16	30	15.36	83.04	5.77	14.35	7.75	14.90
2017/08/21	MF	DS3	18:21	M	4.1	139.9	0.43	30.04	15.29	83.44	5.8	13.55	7.74	15.50

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2017/08/21	MF	DS3	18:21	T	1.1	277.2	0.25	30.06	15.15	83.83	5.82	14.25	7.74	12.90
2017/08/21	MF	DS3	18:25	B	6	238	0.4	30.02	15.16	83.61	5.81	16.46	7.74	14.20
2017/08/21	MF	DS3	18:25	M	4	332.9	0.74	30.06	15	83.11	5.78	14.35	7.74	15.90
2017/08/21	MF	DS3	18:26	T	1.1	43.8	0.49	30.23	14.4	84.8	5.9	13.85	7.74	12.90
2017/08/21	MF	DS4	18:32	B	6	286.1	0.59	29.86	15.7	82.47	5.73	14.05	7.73	12.10
2017/08/21	MF	DS4	18:33	M	4	286	1.2	29.95	15.66	82.46	5.72	13.55	7.73	12.10
2017/08/21	MF	DS4	18:33	T	0.9	285.3	0.08	30.37	12.49	85.35	5.99	11.25	7.76	15.30
2017/08/21	MF	DS4	18:34	B	6	125	0.48	29.95	15.66	82.75	5.74	12.85	7.72	12.30
2017/08/21	MF	DS4	18:35	M	4	259	0.72	30.05	15.33	84.15	5.84	12.55	7.74	11.60
2017/08/21	MF	DS4	18:36	T	1	221.5	0.34	30.4	12.42	85.33	5.98	11.25	7.76	15.60
2017/08/21	MF	DS5	18:41	B	6.1	245.7	0.56	29.4	16.78	77.24	5.38	17.16	7.71	10.60
2017/08/21	MF	DS5	18:42	M	4	67.3	0.55	29.7	16.24	79.02	5.49	14.65	7.72	11.70
2017/08/21	MF	DS5	18:42	T	0.9	231.8	0.13	30.14	14.51	81.61	5.68	12.95	7.74	11.00
2017/08/21	MF	DS5	18:43	B	6	23.1	0.77	29.6	16.3	77.72	5.41	15.76	7.71	10.20
2017/08/21	MF	DS5	18:44	M	4	236.7	0.05	29.87	15.99	79.71	5.53	13.75	7.72	12.10
2017/08/21	MF	DS5	18:44	T	1	92.5	0.58	30.31	13.92	83.78	5.84	11.85	7.74	11.80
2017/08/21	MF	US1	18:59	B	6	236.5	0.62	28.63	20.15	79.51	5.51	20.36	7.79	23.30
2017/08/21	MF	US1	19:00	M	4.2	320.3	0.34	29.11	18.96	82.89	5.73	13.25	7.81	16.80
2017/08/21	MF	US1	19:01	T	0.9	297.9	1.29	30.36	14.26	89.05	6.19	9.25	7.83	9.70
2017/08/21	MF	US1	19:01	B	5.9	264.7	1.08	28.73	19.84	81.19	5.62	13.95	7.78	22.10
2017/08/21	MF	US1	19:02	M	4.1	335	0.63	29.45	17.52	84.87	5.88	12.05	7.82	16.40
2017/08/21	MF	US1	19:02	T	1.1	11.2	1.55	30.36	14.23	89.43	6.21	8.75	7.83	9.80
2017/08/21	MF	US2	19:07	B	9.7	258	0.17	27.69	23.82	75.89	5.23	24.26	7.77	29.10
2017/08/21	MF	US2	19:07	M	6	3.5	0.56	28.3	21.86	78.97	5.45	18.56	7.8	18.90
2017/08/21	MF	US2	19:08	T	1.1	39.5	0.25	30.15	15.48	92.38	6.4	9.05	7.86	11.50
2017/08/21	MF	US2	19:09	B	9.9	346.9	0.5	27.71	23.8	75.78	5.22	23.06	7.79	30.10
2017/08/21	MF	US2	19:09	M	6	308.3	1.05	28.84	20.18	83.43	5.75	13.25	7.83	17.80
2017/08/21	MF	US2	19:10	T	1.1	322.8	0.43	30.13	15.8	95.64	6.61	7.65	7.87	12.00
2017/07/31	MF	MW1	20:06	B	19.2	74.7	0.22	25.52	30.49	67.25	4.63	16.56	7.83	12.90
2017/07/31	MF	MW1	20:07	M	10.4	226.7	0.27	26.18	28.79	70.01	4.81	14.35	7.84	12.10
2017/07/31	MF	MW1	20:08	T	1	31.7	0.34	26.93	26.54	77.32	5.32	9.35	7.87	11.50
2017/07/31	MF	MW1	20:09	B	19.1	44.3	0.23	25.47	30.6	65.55	4.52	15.56	7.83	12.40
2017/07/31	MF	MW1	20:10	M	10.6	36.4	0.94	26.17	28.82	70	4.81	13.55	7.85	11.50
2017/07/31	MF	MW1	20:10	T	1.1	244.8	0.3	26.96	26.31	77.01	5.3	8.85	7.87	11.30