

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)
2017/09/18	ME	MW1	10:19	B	19	1.6	1.1	27.92	29.72	68.81	4.57	11.5	7.85	9.50
2017/09/18	ME	MW1	10:20	M	10.3	64.8	0.4	28.38	26.94	72.99	4.89	6.2	7.89	6.20
2017/09/18	ME	MW1	10:21	T	0.9	137.7	0.36	29.1	23.39	85.74	5.78	4.09	7.92	3.00
2017/09/18	ME	MW1	10:22	B	18.6	355.5	0.53	28.04	29.08	68.08	4.53	7.3	7.91	9.40
2017/09/18	ME	MW1	10:23	M	10.7	75.5	0.67	28.4	26.83	72.15	4.83	5.6	7.91	6.00
2017/09/18	ME	MW1	10:24	T	1	52.6	1.23	29.05	23.71	87.09	5.87	3.69	7.93	3.10
2017/09/18	ME	US2	11:49	B	7.2	101.4	0.34	28.92	24.97	70.11	4.7	14.6	7.89	11.70
2017/09/18	ME	US2	11:50	M	4.5	94.8	0.41	28.93	24.72	66.27	4.45	15.21	7.88	10.90
2017/09/18	ME	US2	11:51	T	1.1	341.5	0.79	29.73	20.54	81.9	5.55	6.3	7.87	4.80
2017/09/18	ME	US2	11:51	B	7	121.6	0.71	28.91	25.01	67.34	4.52	17.21	7.88	11.90
2017/09/18	ME	US2	11:52	M	4.4	77.8	1.26	28.95	24.4	65.76	4.42	15.81	7.87	10.10
2017/09/18	ME	US2	11:53	T	1	141.7	1.6	29.74	20.5	84.43	5.73	5.7	7.87	4.90
2017/09/18	ME	US1	11:58	B	7.8	52.4	0.28	29.02	24.11	72.17	4.86	13.6	7.87	13.10
2017/09/18	ME	US1	11:59	M	5.2	112.7	1.29	29.11	23.57	70.01	4.72	15.21	7.86	13.60
2017/09/18	ME	US1	11:59	T	1.3	133	0.51	29.56	21.1	81	5.49	6.3	7.86	5.70
2017/09/18	ME	US1	12:00	B	8.1	23.9	0.62	29	24.21	69.41	4.67	22.31	7.86	12.90
2017/09/18	ME	US1	12:01	M	4.9	53.1	0.6	29.32	21.94	70.38	4.77	9.5	7.83	13.10
2017/09/18	ME	US1	12:02	T	1.1	117	1.08	30.02	19.66	91.47	6.2	4.09	7.88	5.80
2017/09/18	ME	DS1	12:07	B	6.7	126.3	0.56	29.03	23.88	74.04	4.99	12	7.86	11.20
2017/09/18	ME	DS1	12:07	M	4.7	66.7	0.48	29.29	22.37	76	5.14	7.5	7.84	6.00
2017/09/18	ME	DS1	12:08	T	1.2	104.5	1.09	29.48	21.25	80.6	5.47	5.5	7.85	7.10
2017/09/18	ME	DS1	12:09	B	7	35.1	0.35	29.08	23.57	70.1	4.73	12.4	7.85	11.10
2017/09/18	ME	DS1	12:10	M	4.4	138.2	0.65	29.26	22.48	73.23	4.95	8.6	7.84	6.00
2017/09/18	ME	DS1	12:10	T	1.2	145.9	0.87	29.56	21.08	81.26	5.51	5.4	7.85	6.70
2017/09/18	ME	DS2	12:18	B	9.9	199.5	0.51	28.83	25.13	67.36	4.52	17.61	7.86	13.60
2017/09/18	ME	DS2	12:19	M	5.8	119	0.3	28.95	24.38	66.27	4.46	13.8	7.86	8.70
2017/09/18	ME	DS2	12:19	T	1	137.7	1.55	29.46	21.42	78.21	5.3	6	7.85	5.60
2017/09/18	ME	DS2	12:20	B	9.9	113.3	0.35	28.83	25.16	66.46	4.46	17.71	7.85	12.90
2017/09/18	ME	DS2	12:20	M	5.9	101.6	0.99	28.95	24.33	65.67	4.42	15.11	7.85	9.20
2017/09/18	ME	DS2	12:21	T	0.8	106.7	0.99	29.53	21.09	79.55	5.4	5.7	7.85	5.50
2017/09/18	ME	DS3	12:27	B	7	88.6	0.67	28.92	24.53	72.05	4.85	15.81	7.86	7.80
2017/09/18	ME	DS3	12:28	M	4.3	115.9	0.73	29.19	22.44	70.58	4.78	10.8	7.85	6.30
2017/09/18	ME	DS3	12:28	T	1.1	198.2	0.36	29.58	21.08	82.4	5.59	5.2	7.86	13.70
2017/09/18	ME	DS3	12:29	B	7	13.1	0.49	28.92	24.49	67.83	4.56	18.31	7.85	8.30
2017/09/18	ME	DS3	12:30	M	4.4	125.7	1.64	29.09	23.5	68.21	4.6	11.5	7.84	6.70
2017/09/18	ME	DS3	12:30	T	0.9	202.4	1.17	29.58	21.07	81.2	5.51	5.5	7.85	15.40
2017/09/18	ME	DS4	12:37	B	8.9	60.4	0.61	28.96	24.26	69.79	4.7	19.41	7.84	15.40
2017/09/18	ME	DS4	12:38	M	5.9	56.6	0.84	29.01	23.94	68.13	4.59	12.2	7.84	10.30
2017/09/18	ME	DS4	12:39	T	1.2	142	0.82	29.43	21.61	79.34	5.38	5.3	7.83	9.00
2017/09/18	ME	DS4	12:39	B	9.1	339.6	0.29	28.94	24.39	67.62	4.55	20.61	7.84	15.10
2017/09/18	ME	DS4	12:40	M	5.5	73.9	0.74	29.02	23.89	66.84	4.5	14.3	7.83	10.20
2017/09/18	ME	DS4	12:41	T	0.8	97.3	1.13	29.45	21.64	78.24	5.3	5.8	7.84	9.40
2017/09/18	ME	DS5	12:51	B	6	88.6	0.97	29.01	24.26	67.4	4.53	23.11	7.85	13.70
2017/09/18	ME	DS5	12:52	M	4.5	83.4	0.71	29.08	23.61	68.57	4.62	17.11	7.84	16.70
2017/09/18	MF	DS1	17:22	B	7.8	349.6	0.37	29.14	22.99	73.57	4.97	11.5	7.8	12.20
2017/09/18	MF	DS1	17:23	M	5	315.4	1.15	29.29	22.31	71.27	4.82	12.5	7.8	10.70
2017/09/18	MF	DS1	17:24	T	1	6.6	0.77	30.03	19.35	87.44	5.94	6.7	7.82	7.90
2017/09/18	MF	DS1	17:25	B	8	347.8	0.27	29.19	22.77	69.97	4.73	12.9	7.79	11.90
2017/09/18	MF	DS1	17:25	M	5.1	322.6	0.65	29.3	22.29	70.47	4.77	12.9	7.79	10.60
2017/09/18	MF	DS1	17:26	T	0.9	324.8	0.61	29.97	19.57	83.74	5.69	7	7.81	7.60
2017/09/18	MF	DS2	17:32	B	6.7	307.8	1.13	29.11	23.06	73.83	4.99	10.8	7.78	12.00
2017/09/18	MF	DS2	17:33	M	4.5	273.4	0.55	29.27	22.33	70.74	4.79	10.7	7.78	10.70
2017/09/18	MF	DS2	17:33	T	0.8	322.2	0.67	30.14	18.9	89.49	6.08	6.4	7.83	7.40
2017/09/18	MF	DS2	17:34	B	6.8	126.7	0.07	29.09	23.15	69.43	4.69	10.7	7.78	12.20
2017/09/18	MF	DS2	17:35	M	4.6	332	1.28	29.29	22.23	69.93	4.73	10.3	7.78	10.40
2017/09/18	MF	DS2	17:36	T	1	349	0.69	29.98	19.53	84.19	5.72	7.1	7.8	7.30
2017/09/18	MF	DS3	17:41	B	6.9	319.5	0.41	29.3	21.92	75.99	5.15	13.4	7.78	10.90
2017/09/18	MF	DS3	17:41	M	4.7	286.9	0.64	29.96	19.18	79.28	5.4	8.2	7.79	8.80

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2017/09/18	MF	DS3	17:42	T	0.9	328.9	1.18	30.23	17.97	92.74	6.33	6.2	7.84	6.10
2017/09/18	MF	DS3	17:43	B	7.2	329.3	0.83	29.26	22.3	71.99	4.87	15	7.78	10.70
2017/09/18	MF	DS3	17:44	M	4.4	353.7	0.51	29.69	20.54	74.98	5.09	8.5	7.77	8.80
2017/09/18	MF	DS3	17:45	T	0.9	280.4	0.73	30.17	18.59	91.03	6.2	6.5	7.84	6.30
2017/09/18	MF	DS4	17:50	B	6.9	318.4	0.6	29.59	21.07	77.45	5.25	14	7.75	18.90
2017/09/18	MF	DS4	17:51	M	4.4	244	0.42	29.74	20.27	74.85	5.08	11.2	7.76	10.80
2017/09/18	MF	DS4	17:51	T	0.9	287.4	0.52	30.26	17.18	85.32	5.84	8.1	7.79	8.60
2017/09/18	MF	DS4	17:54	B	7	354.1	0.71	29.49	21.41	70.16	4.76	18.31	7.76	19.60
2017/09/18	MF	DS4	17:54	M	4.3	148.7	0.88	29.79	20	74.84	5.09	9.9	7.76	10.60
2017/09/18	MF	DS4	17:55	T	1	346.4	0.83	30.19	17.76	86.3	5.9	7.8	7.79	8.90
2017/09/18	MF	DS5	18:01	B	6.9	182.6	0.09	29.7	20.31	83.78	5.69	10.6	7.73	12.90
2017/09/18	MF	DS5	18:02	M	4.2	159.6	0.08	29.92	19.42	75.11	5.11	10.7	7.72	9.90
2017/09/18	MF	DS5	18:02	T	1	75.1	0.25	30.29	16.66	87.06	5.98	8.2	7.78	8.70
2017/09/18	MF	DS5	18:03	B	7	345	0.38	29.63	20.54	71.92	4.89	15	7.72	13.50
2017/09/18	MF	DS5	18:04	M	4.6	288.2	0.85	29.89	19.61	74.3	5.05	10.6	7.73	10.10
2017/09/18	MF	DS5	18:04	T	1	317.3	0.91	30.15	17.91	78.48	5.36	8.5	7.75	8.50
2017/09/18	MF	US1	18:21	B	10	258	0.72	28.85	24.98	71.15	4.78	23.21	7.84	14.50
2017/09/18	MF	US1	18:22	M	5.8	229.1	0.33	29.01	24.15	70.15	4.72	20.11	7.84	13.90
2017/09/18	MF	US1	18:22	T	1.1	304.6	1.23	29.64	21.88	89.06	6	10.1	7.96	7.80
2017/09/18	MF	US1	18:23	B	9.9	356	0.39	29.7	21.8	98.3	6.62	7	7.98	14.70
2017/09/18	MF	US1	18:24	M	5.9	296.7	0.78	29.32	22.93	81.58	5.5	15	7.88	13.40
2017/09/18	MF	US1	18:25	T	1	214.8	0.66	29.72	21.66	102.87	6.94	7.5	8	7.50
2017/09/18	MF	US2	18:41	B	20.8	335.5	0.43	28.57	26.51	65.21	4.36	28.22	7.85	26.30
2017/09/18	MF	US2	18:42	M	11.5	277.6	0.69	28.59	26.4	64.91	4.34	29.82	7.85	16.70
2017/09/18	MF	US2	18:43	T	1.1	286.7	1.28	29.35	22.72	79.42	5.36	8.7	7.91	6.10
2017/09/18	MF	US2	18:48	B	20.7	118.1	0.08	28.58	26.48	64.29	4.3	29.12	7.84	25.70
2017/09/18	MF	US2	18:49	M	11.7	289.2	0.5	28.65	26.14	65.38	4.38	27.52	7.84	17.20
2017/09/18	MF	US2	18:50	T	1.2	6	0.36	29.36	22.74	84.55	5.7	6	7.9	6.30
2017/09/18	MF	MW1	19:50	B	19.2	298.4	0.29	28.07	29.45	67.35	4.47	14	7.93	10.60
2017/09/18	MF	MW1	19:51	M	10.6	104	0.59	28.19	29.05	67.64	4.49	11.5	7.92	10.40
2017/09/18	MF	MW1	19:52	T	0.6	237.3	0.89	28.56	26.84	71.01	4.74	7.5	7.9	8.30
2017/09/18	MF	MW1	19:53	B	19	324.8	0.25	28.05	29.54	64.47	4.28	13.7	7.89	10.60
2017/09/18	MF	MW1	19:54	M	10.8	260.4	0.2	28.22	28.81	66.64	4.43	11.6	7.89	11.20
2017/09/18	MF	MW1	19:55	T	1.1	229.5	0.76	28.56	26.83	70.8	4.73	6.4	7.89	8.30