

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)
2017/08/02	ME	MW1	08:20	B	18.7	110.1	0.12	25.83	32.68	42.69	2.89	4.14	7.62	7.50
2017/08/02	ME	MW1	08:21	M	10.5	16.1	0.11	26.5	30.51	42.29	2.86	2.74	7.69	4.20
2017/08/02	ME	MW1	08:22	T	0.9	90.7	0.17	29.78	16.08	96.57	6.71	1.94	7.91	3.80
2017/08/02	ME	MW1	08:23	B	19.2	357.8	1.46	25.88	32.54	40.38	2.73	4.44	7.73	7.60
2017/08/02	ME	MW1	08:24	M	10.5	253.4	0.15	27.47	25.06	50.08	3.44	3.14	7.8	4.00
2017/08/02	ME	MW1	08:24	T	1.2	15.1	0.18	29.64	16.78	92.86	6.44	1.94	7.95	3.70
2017/08/02	ME	US2	09:48	B	7	61.5	0.7	28.52	23.15	59.4	4.05	7.05	7.84	4.50
2017/08/02	ME	US2	09:49	M	4.4	117.8	0.75	29.74	16.1	77.66	5.4	3.74	7.94	6.00
2017/08/02	ME	US2	09:50	T	0.7	128.6	0.73	30.04	13.47	99.63	6.99	3.84	8.04	6.10
2017/08/02	ME	US2	09:50	B	6.8	142.8	0.63	28.83	22.1	69.18	4.72	3.34	7.87	4.40
2017/08/02	ME	US2	09:52	M	4.5	134.3	0.27	29.88	15.09	89.44	6.24	3.94	7.97	5.50
2017/08/02	ME	US2	09:53	T	0.9	283	0.31	30.05	13.47	101.42	7.11	4.04	8.04	5.90
2017/08/02	ME	US1	09:59	B	7.8	103.3	0.42	28.68	22.72	67.77	4.62	9.05	7.86	7.10
2017/08/02	ME	US1	10:00	M	5	186.2	0.92	29.89	15.96	85.14	5.91	4.44	7.94	3.90
2017/08/02	ME	US1	10:01	T	0.9	142.8	1.81	30.07	13.56	103.4	7.25	3.94	8.05	5.60
2017/08/02	ME	US1	10:03	B	8	114.9	0.35	28.24	24.59	56.89	3.87	20.36	7.83	7.50
2017/08/02	ME	US1	10:04	M	5.1	281.5	0.93	29.89	16.33	82.74	5.73	6.15	7.94	4.00
2017/08/02	ME	US1	10:05	T	0.7	289.5	0.49	29.99	14.19	94.91	6.64	4.14	7.99	5.20
2017/08/02	ME	DS1	10:13	B	9.1	95.9	0.23	28.12	24.99	54.48	3.7	6.05	7.82	11.10
2017/08/02	ME	DS1	10:14	M	5.3	39.1	0.39	29.55	18.3	75.14	5.18	9.55	7.9	11.80
2017/08/02	ME	DS1	10:14	T	0.7	156.1	0.78	30.04	13.87	100.98	7.07	4.34	8.04	5.40
2017/08/02	ME	DS1	10:15	B	9.1	183.5	0.82	28.2	24.78	57.58	3.91	12.35	7.82	11.70
2017/08/02	ME	DS1	10:16	M	5.6	123.7	0.1	28.97	21.33	63.46	4.34	5.85	7.84	12.40
2017/08/02	ME	DS1	10:17	T	1	105	1.35	29.96	14.46	93.3	6.52	4.24	7.99	5.30
2017/08/02	ME	DS2	10:23	B	8	16.3	0.23	28.07	25.37	57.97	3.94	6.75	7.81	6.30
2017/08/02	ME	DS2	10:24	M	4.7	131.6	1.16	29.55	18.08	77.82	5.37	5.95	7.89	7.50
2017/08/02	ME	DS2	10:25	T	1.1	117.4	1.06	29.96	14.45	97.08	6.78	3.94	8	6.80
2017/08/02	ME	DS2	10:25	B	8	102.4	0.48	27.97	25.59	54.37	3.69	7.55	7.8	6.20
2017/08/02	ME	DS2	10:26	M	4.7	119.9	0.76	29.02	20.06	61.96	4.26	6.85	7.86	8.10
2017/08/02	ME	DS2	10:27	T	1.1	124.9	0.67	30.03	14.15	96.57	6.75	4.34	8	6.60
2017/08/02	ME	DS3	10:32	B	7.8	344.9	0.22	28.4	24.81	58.66	3.97	8.05	7.82	4.40
2017/08/02	ME	DS3	10:33	M	4.9	108.8	0.59	29.06	22.16	65.44	4.45	4.94	7.83	5.40
2017/08/02	ME	DS3	10:34	T	1.3	122	1.5	29.92	14.7	95.56	6.67	4.04	7.99	6.90
2017/08/02	ME	DS3	10:34	B	8.2	320	0.23	28.48	24.7	60.75	4.11	6.85	7.81	4.40
2017/08/02	ME	DS3	10:36	M	4.9	114.8	0.39	28.92	21.44	61.15	4.18	5.55	7.83	5.40
2017/08/02	ME	DS3	10:36	T	1	82.7	0.87	29.99	14.37	92.97	6.5	4.24	7.99	8.10
2017/08/02	ME	DS4	10:43	B	20	14.5	0.35	26.86	29.45	43.19	2.92	7.75	7.79	8.10
2017/08/02	ME	DS4	10:44	M	11	86.1	0.25	27.45	27.27	41.79	2.84	7.65	7.8	7.00
2017/08/02	ME	DS4	10:44	T	1.3	33.4	1.55	29.9	15.29	87.77	6.11	4.44	7.95	5.10
2017/08/02	ME	DS4	10:46	B	19.8	295	0.2	26.88	29.4	43.19	2.92	6.85	7.78	7.60
2017/08/02	ME	DS4	10:47	M	11	35.8	0.62	27.18	28.34	41.69	2.83	7.55	7.78	7.20
2017/08/02	ME	DS4	10:47	T	1.3	177.4	0.22	29.96	14.48	89.06	6.22	4.44	7.98	4.80
2017/08/02	ME	DS5	10:54	B	7.7	93.5	0.61	28.53	23.53	61.83	4.21	4.84	7.84	3.60
2017/08/02	ME	DS5	10:54	M	5.1	91.8	1.09	29.82	16.04	82.77	5.75	6.55	7.93	6.20
2017/08/02	MF	DS1	15:19	B	7	276.7	0.91	28.68	22.2	57.32	3.92	14.15	7.68	10.30
2017/08/02	MF	DS1	15:20	M	4.3	43.1	0.32	29.59	15.98	75.97	5.3	7.65	7.73	5.90
2017/08/02	MF	DS1	15:21	T	1	326	0.88	29.95	13.84	96.62	6.77	8.15	7.83	7.30
2017/08/02	MF	DS1	15:22	B	6.9	297.8	0.49	29.09	20.12	67.26	4.62	11.15	7.71	10.80
2017/08/02	MF	DS1	15:22	M	4.6	87.9	0.44	29.59	16.01	75.38	5.25	7.65	7.75	5.90
2017/08/02	MF	DS1	15:23	T	1.1	337.2	1.18	29.94	13.98	96.23	6.74	7.75	7.83	7.00
2017/08/02	MF	DS2	15:31	B	6.8	161.6	0.17	29.23	18.89	70.01	4.83	9.35	7.75	11.00
2017/08/02	MF	DS2	15:32	M	4.4	52.8	0.4	29.62	15.58	77.53	5.41	8.05	7.77	4.90
2017/08/02	MF	DS2	15:33	T	1.1	309	0.59	29.99	14.1	94.49	6.61	7.25	7.84	6.60
2017/08/02	MF	DS2	15:34	B	6.9	311.4	0.29	29.21	19.06	66.41	4.58	9.95	7.72	10.60
2017/08/02	MF	DS2	15:35	M	4.6	312.1	0.55	29.71	15.28	80.45	5.62	7.85	7.77	4.80
2017/08/02	MF	DS2	15:35	T	1.1	1.9	1.18	30.04	13.84	95.41	6.68	7.05	7.84	6.40
2017/08/02	MF	DS3	15:43	B	7.1	275.9	0.38	29.07	19.74	66.35	4.57	12.85	7.75	14.70
2017/08/02	MF	DS3	15:44	M	4.4	51.5	0.28	29.65	15.69	76.29	5.32	8.75	7.79	5.00

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2017/08/02	MF	DS3	15:45	T	1	82.8	0.76	30.11	12.31	96.57	6.81	7.25	7.86	7.00
2017/08/02	MF	DS3	15:45	B	7	193.3	0.97	29.07	19.73	65.95	4.54	12.25	7.72	14.00
2017/08/02	MF	DS3	15:46	M	4.2	229.3	0.52	29.69	15.61	79.51	5.55	8.15	7.77	4.80
2017/08/02	MF	DS3	15:47	T	1	327.9	0.35	30.05	13.5	93.67	6.57	7.25	7.83	7.10
2017/08/02	MF	DS4	15:54	B	6	113.6	1.1	29.18	18.3	64.38	4.46	11.05	7.71	7.90
2017/08/02	MF	DS4	15:54	M	4	17.7	0.78	29.74	15.52	78.25	5.46	7.45	7.76	5.30
2017/08/02	MF	DS4	15:55	T	1	136.5	0.34	30.01	13.69	88.4	6.2	7.35	7.81	8.70
2017/08/02	MF	DS4	15:58	B	6.1	3.3	0.31	29.25	18.33	71.94	4.98	9.45	7.72	7.80
2017/08/02	MF	DS4	15:58	M	4.2	171.8	0.13	29.64	16.21	76.56	5.33	7.45	7.75	5.10
2017/08/02	MF	DS4	15:59	T	1.1	234.1	0.66	30.11	11.6	92.94	6.58	8.15	7.83	8.50
2017/08/02	MF	DS5	16:07	B	7.1	27.7	0.17	29.15	18.46	64.44	4.46	9.95	7.7	5.90
2017/08/02	MF	DS5	16:08	M	4.6	211.5	0.44	29.2	17.91	63.84	4.43	9.45	7.69	4.90
2017/08/02	MF	DS5	16:09	T	1.1	72.6	0.42	29.98	13.12	84.96	5.98	8.65	7.77	8.90
2017/08/02	MF	DS5	16:10	B	7.1	225.7	0.22	29.17	18.4	65.46	4.53	9.95	7.68	5.90
2017/08/02	MF	DS5	16:11	M	4.3	276.4	0.32	29.25	17.67	64.46	4.48	9.35	7.68	4.70
2017/08/02	MF	DS5	16:11	T	1	215.3	0.35	29.93	13.67	83.16	5.84	8.35	7.76	9.50
2017/08/02	MF	US1	16:25	B	7.9	204.9	0.24	29.07	19.99	72.37	4.98	8.55	7.79	4.20
2017/08/02	MF	US1	16:26	M	4.9	281.2	0.67	29.73	16.56	92.2	6.39	5.25	7.88	7.60
2017/08/02	MF	US1	16:27	T	1	196.7	0.41	29.93	13.73	94.52	6.63	7.55	7.9	6.70
2017/08/02	MF	US1	16:28	B	8.1	113.1	0.32	29.23	19.23	77.72	5.35	7.65	7.82	4.20
2017/08/02	MF	US1	16:28	M	5	281.5	0.94	29.75	16.1	90.81	6.31	5.55	7.88	7.30
2017/08/02	MF	US1	16:29	T	1.1	358.3	1	29.92	13.91	95.95	6.73	7.35	7.91	6.40
2017/08/02	MF	US2	16:34	B	8.3	163.3	0.35	29.26	19.29	79.76	5.49	6.75	7.82	8.50
2017/08/02	MF	US2	16:35	M	5.1	307.2	0.23	29.8	16.55	97.29	6.74	4.64	7.9	3.30
2017/08/02	MF	US2	16:36	T	1.1	342.9	0.39	29.91	14.34	98.1	6.86	6.45	7.94	5.80
2017/08/02	MF	US2	16:36	B	8.3	239.7	1.66	29.21	19.51	77.96	5.36	7.55	7.82	8.00
2017/08/02	MF	US2	16:37	M	4.8	47.5	0.55	29.79	16.54	96.5	6.68	4.74	7.89	3.60
2017/08/02	MF	US2	16:38	T	1	16.7	0.95	29.94	13.9	97.72	6.85	6.85	7.93	5.70
2017/07/31	MF	MW1	17:31	B	18.6	116.7	0.32	26	32.14	42.46	2.87	9.85	7.76	6.20
2017/07/31	MF	MW1	17:32	M	10.6	257	0.48	27.12	28.06	49.44	3.36	4.14	7.79	5.60
2017/07/31	MF	MW1	17:32	T	1.2	228.8	1.49	29.23	19.18	81.39	5.61	3.04	7.9	5.30
2017/07/31	MF	MW1	17:34	B	18.9	202.4	0.25	26.08	31.94	42.47	2.87	9.95	7.75	5.90
2017/07/31	MF	MW1	17:34	M	10.6	17.3	0.38	26.87	29.07	47.62	3.23	4.24	7.77	5.80
2017/07/31	MF	MW1	17:35	T	1.2	26.4	0.68	28.91	20.51	76.04	5.23	3.04	7.86	4.90