

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)
2017/09/13	MF	MW1	11:36	B	19.1	27.4	0.22	27.72	29.78	58.74	3.91	5.5	7.94	12.30
2017/09/13	MF	MW1	11:37	M	10.4	118.2	0.54	28.17	26.89	60.44	4.06	4.19	7.94	6.40
2017/09/13	MF	MW1	11:38	T	1	252.6	0.56	28.77	22.38	66.64	4.55	2.39	7.9	11.70
2017/09/13	MF	MW1	11:39	B	19.1	292.1	0.23	27.72	29.85	57.84	3.85	6.6	7.96	12.40
2017/09/13	MF	MW1	11:40	M	10.6	104.2	0.09	28.14	27.07	60.14	4.04	4.49	7.95	6.40
2017/09/13	MF	MW1	11:41	T	1	114.2	0.59	28.9	21.56	68.55	4.69	1.89	7.91	11.20
2017/09/13	MF	DS1	12:47	B	8.9	281.3	0.31	28.63	24.02	66.21	4.49	17.41	7.86	12.80
2017/09/13	MF	DS1	12:48	M	5.6	135	0.19	28.85	21.96	64.91	4.43	11	7.88	9.90
2017/09/13	MF	DS1	12:48	T	1.1	347.1	0.9	29.64	18.51	72.73	5	5.2	7.82	3.50
2017/09/13	MF	DS1	12:49	B	9.1	15.6	0.6	28.61	24.11	61.8	4.19	16.21	7.84	12.80
2017/09/13	MF	DS1	12:50	M	5.6	307.3	0.53	28.68	23.33	61	4.15	17.31	7.87	9.80
2017/09/13	MF	DS1	12:50	T	1	338.7	0.63	29.71	18.42	72.84	5	5.2	7.81	3.60
2017/09/13	MF	DS2	12:55	B	7.2	37	0.57	28.84	21.96	69.44	4.74	12.4	7.88	11.00
2017/09/13	MF	DS2	12:56	M	4.3	318	1.11	29.39	18.78	72.35	4.98	5.6	7.81	7.60
2017/09/13	MF	DS2	12:57	T	1.1	26.1	0.92	29.73	17.72	77.17	5.32	4.49	7.78	3.80
2017/09/13	MF	DS2	12:57	B	6.6	300.3	0.38	28.94	21.41	69.75	4.77	7.4	7.86	11.40
2017/09/13	MF	DS2	12:58	M	4.9	320.3	0.81	29.37	18.82	72.46	4.99	5.1	7.82	7.60
2017/09/13	MF	DS2	12:59	T	1	358.4	0.78	29.74	17.26	76.48	5.28	4.19	7.77	3.80
2017/09/13	MF	DS3	13:03	B	7.1	313.2	1	28.88	21.7	70.97	4.85	24.31	7.87	11.70
2017/09/13	MF	DS3	13:04	M	4.6	259	0.35	29.2	19.5	69.87	4.81	7.7	7.83	11.90
2017/09/13	MF	DS3	13:05	T	1.1	63	0.69	29.56	16.94	71.98	4.99	5.4	7.78	4.90
2017/09/13	MF	DS3	13:06	B	7.2	289	0.4	28.86	21.88	66.26	4.53	24.11	7.85	11.90
2017/09/13	MF	DS3	13:06	M	4.5	8.8	0.4	29.27	19.06	69.97	4.82	6.7	7.84	11.70
2017/09/13	MF	DS3	13:07	T	1.1	33.6	0.76	29.68	16.51	74.19	5.15	4.69	7.75	5.30
2017/09/13	MF	DS4	13:13	B	7	323.3	0.39	29.02	20.82	69.39	4.75	10.1	7.78	11.60
2017/09/13	MF	DS4	13:14	M	4.4	296.8	0.57	29.1	20.07	66.28	4.55	9.6	7.81	13.20
2017/09/13	MF	DS4	13:14	T	1	32.1	0.54	29.81	16.34	72.6	5.03	5.1	7.72	4.30
2017/09/13	MF	DS4	13:15	B	7	344.2	0.62	29.03	20.77	64.87	4.45	9.5	7.78	10.80
2017/09/13	MF	DS4	13:16	M	4.5	199.4	0.18	29.15	19.51	65.38	4.5	7.9	7.8	13.60
2017/09/13	MF	DS4	13:16	T	1.1	25.1	0.53	29.75	16.33	72.81	5.05	4.69	7.72	4.40
2017/09/13	MF	DS5	13:21	B	7	266.8	0.36	28.87	21.68	63.08	4.31	10.2	7.76	4.60
2017/09/13	MF	DS5	13:21	M	4.5	11	0.13	29.15	19.43	65.09	4.49	5.9	7.73	4.50
2017/09/13	MF	DS5	13:22	T	1	75.5	0.38	30	15.54	72.12	5.01	5.3	7.7	12.10
2017/09/13	MF	DS5	13:23	B	7	39.8	0.5	28.91	21.34	62.58	4.28	7.3	7.75	4.60
2017/09/13	MF	DS5	13:23	M	4.5	280.7	0.09	29.1	19.7	63.18	4.35	5.2	7.73	4.30
2017/09/13	MF	DS5	13:24	T	0.9	256.8	1.77	30.16	15.42	73.83	5.11	4.89	7.71	8.00
2017/09/13	MF	US1	13:37	B	9.1	284.3	0.26	28.74	23.29	68.95	4.68	7.5	7.85	8.00
2017/09/13	MF	US1	13:38	M	5.5	307.8	0.73	28.82	22.87	66.44	4.52	7.2	7.85	6.20
2017/09/13	MF	US1	13:39	T	0.9	322.9	0.47	29.5	19.65	72.97	4.99	4.49	7.85	3.70
2017/09/13	MF	US1	13:40	B	8.7	330.8	0.38	28.79	22.82	66.14	4.5	7	7.83	7.50
2017/09/13	MF	US1	13:41	M	5.7	10.8	0.29	28.72	23.07	63.22	4.3	10.3	7.84	6.60
2017/09/13	MF	US1	13:41	T	1.1	289.3	0.55	29.12	21.11	68.75	4.7	5.8	7.83	3.50
2017/09/13	MF	US2	13:46	B	8.2	330.5	0.77	28.55	24.42	68.36	4.63	8.1	7.85	12.10
2017/09/13	MF	US2	13:46	M	5.1	36.9	0.92	28.64	23.67	63.14	4.29	8.1	7.84	8.80
2017/09/13	ME	US2	17:10	B	7.1	145.2	0.95	28.69	23.6	65.3	4.43	23.71	7.89	10.00
2017/09/13	ME	US2	17:11	M	4.5	168.8	0.61	28.85	22.18	62.9	4.29	11	7.84	11.10
2017/09/13	ME	US2	17:12	T	1	77.2	0.92	29.64	17.03	70.88	4.91	5.5	7.74	4.20
2017/09/13	ME	US2	17:12	B	6.9	141.9	0.39	28.73	23.36	63.79	4.33	12.5	7.89	10.50
2017/09/13	ME	US2	17:13	M	4.6	172.4	0.65	28.88	21.75	62.89	4.3	9.2	7.83	11.70
2017/09/13	ME	US2	17:14	T	1.1	149.4	0.59	29.94	15.81	77.36	5.37	5.2	7.76	4.40
2017/09/13	ME	US1	17:19	B	8.1	77.1	0.33	28.74	23.31	66.46	4.51	11.9	7.85	15.30
2017/09/13	ME	US1	17:20	M	5.1	161.8	0.42	28.82	22.3	63.06	4.3	10.8	7.85	9.80
2017/09/13	ME	US1	17:20	T	1	29.9	0.25	29.61	16.77	73.04	5.07	5.1	7.74	4.20
2017/09/13	ME	US1	17:21	B	8.1	111.3	0.97	28.75	23.23	63.56	4.32	11.9	7.85	15.50
2017/09/13	ME	US1	17:22	M	5.1	137.2	1.12	28.84	22	61.66	4.21	10.6	7.83	9.30
2017/09/13	ME	US1	17:23	T	1	200.6	0.4	29.67	16.4	73.63	5.11	5.1	7.75	4.10
2017/09/13	ME	DS1	17:28	B	8	80	0.08	28.59	24.14	65.82	4.46	8.9	7.85	9.40
2017/09/13	ME	DS1	17:29	M	5.1	50.6	0.9	28.64	23.89	63.03	4.27	7.9	7.86	7.40

