

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)
2017/09/22	MF	MW1	06:36	B	19	149.4	0.73	29.17	25.66	69.58	4.63	11.5	7.79	12.00
2017/09/22	MF	MW1	06:37	M	10.7	114.3	0.7	29.21	25.33	69.18	4.61	10.5	7.81	6.20
2017/09/22	MF	MW1	06:38	T	1.1	29.2	0.11	29.39	23.71	71.47	4.79	8.1	7.81	7.10
2017/09/22	MF	MW1	06:39	B	19.1	99.8	0.52	29.05	26.52	67.47	4.48	12.8	7.84	11.90
2017/09/22	MF	MW1	06:40	M	10.3	51.1	0.6	29.09	26.22	67.96	4.51	12	7.84	6.30
2017/09/22	MF	MW1	06:41	T	1	346.8	0.88	29.29	24.53	69.55	4.65	9.3	7.83	7.40
2017/09/22	MF	DS1	07:48	B	7.8	235.4	0.59	29.21	25.28	69.86	4.66	128.42	7.84	7.90
2017/09/22	MF	DS1	07:49	M	5.1	266.3	0.37	29.58	22.42	68.96	4.64	42.83	7.81	20.40
2017/09/22	MF	DS1	07:50	T	0.9	294.9	0.54	29.6	21.38	71.83	4.86	22.51	7.78	16.70
2017/09/22	MF	DS1	07:53	B	8.1	289.1	0.38	29.18	25.51	67.16	4.47	114.8	7.85	7.60
2017/09/22	MF	DS1	07:53	M	5	308.9	0.67	29.63	22.08	68.34	4.6	55.45	7.79	19.10
2017/09/22	MF	DS1	07:54	T	1	12	0.33	29.57	21.31	71.9	4.87	19.11	7.77	17.50
2017/09/22	MF	DS2	08:01	B	7	312.3	0.69	29.27	24.77	66.8	4.46	108.3	7.83	13.20
2017/09/22	MF	DS2	08:01	M	4.4	297	0.72	29.62	22.07	68.48	4.61	44.23	7.79	7.20
2017/09/22	MF	DS2	08:02	T	1.1	275.8	0.63	29.58	21.33	71.35	4.83	18.61	7.77	13.10
2017/09/22	MF	DS2	08:04	B	7.3	279.1	0.15	29.25	25.01	68.96	4.6	130.72	7.83	13.10
2017/09/22	MF	DS2	08:05	M	4.5	334.8	1.07	29.65	21.84	68.75	4.64	42.53	7.78	7.30
2017/09/22	MF	DS2	08:05	T	1.1	266.1	0.38	29.64	21.33	70.04	4.74	14.4	7.75	12.80
2017/09/22	MF	DS3	08:12	B	7	318.4	1.13	29.47	23.11	67.81	4.55	57.55	7.81	8.40
2017/09/22	MF	DS3	08:13	M	4.5	274.1	0.7	29.63	21.73	68.9	4.65	45.84	7.79	11.30
2017/09/22	MF	DS3	08:13	T	0.8	54.3	0.75	29.62	21.57	69.78	4.71	30.12	7.79	13.50
2017/09/22	MF	DS3	08:14	B	6.9	250.3	0.74	29.52	22.73	67.9	4.57	56.95	7.8	8.70
2017/09/22	MF	DS3	08:15	M	4.5	346.2	0.86	29.62	21.87	69.08	4.66	48.34	7.8	10.90
2017/09/22	MF	DS3	08:16	T	1	265.1	0.74	29.62	21.65	69.67	4.7	31.52	7.79	13.70
2017/09/22	MF	DS4	08:23	B	6.8	313.1	0.44	29.62	21.21	73.56	4.98	30.22	7.76	6.80
2017/09/22	MF	DS4	08:23	M	4.3	329.9	0.55	29.58	21.15	71.58	4.85	22.81	7.75	18.10
2017/09/22	MF	DS4	08:24	T	1.2	348.1	0.84	29.57	21.15	71.97	4.88	15.71	7.75	8.70
2017/09/22	MF	DS4	08:27	B	7.1	285.3	0.6	29.62	21.27	69.98	4.74	34.52	7.75	7.10
2017/09/22	MF	DS4	08:28	M	4.2	327.8	0.66	29.61	21.27	70.56	4.78	20.41	7.75	18.40
2017/09/22	MF	DS4	08:29	T	0.9	292.6	0.31	29.58	21.14	70.95	4.81	12.6	7.74	9.20
2017/09/22	MF	DS5	08:34	B	6.7	348.1	0.5	29.64	20.36	71.21	4.84	18.71	7.71	5.30
2017/09/22	MF	DS5	08:35	M	4.7	8	0.28	29.61	20.21	69.33	4.72	15	7.71	9.90
2017/09/22	MF	DS5	08:36	T	1.3	127.3	0.12	29.62	18.98	67.55	4.63	9.9	7.66	10.30
2017/09/22	MF	DS5	08:36	B	7	300.1	0.71	29.64	20.36	67.55	4.59	21.51	7.71	5.30
2017/09/22	MF	DS5	08:37	M	4.6	13.3	1.03	29.6	19.72	68.13	4.65	14.5	7.78	10.30
2017/09/22	MF	DS5	08:38	T	1.2	2.9	1.27	29.63	18.94	67.14	4.6	9.9	7.66	17.80
2017/09/22	MF	US1	08:55	B	7	324.4	0.32	29.37	23.78	71.94	4.82	19.71	7.8	17.80
2017/09/22	MF	US1	08:56	M	4.3	247.3	0.63	29.41	23.31	70.76	4.75	20.51	7.8	15.40
2017/09/22	MF	US1	08:57	T	0.9	17.9	0.73	29.43	22.87	71.64	4.82	16.11	7.79	14.10
2017/09/22	MF	US1	08:58	B	7	257.1	0.64	29.36	23.84	68.97	4.62	22.41	7.8	16.90
2017/09/22	MF	US1	08:58	M	4.6	317.8	0.72	29.43	23.04	69.56	4.68	20.41	7.8	15.90
2017/09/22	MF	US1	08:59	T	1	190.7	0.24	29.43	22.88	71.13	4.79	18.01	7.79	14.70
2017/09/22	MF	US2	09:03	B	11.1	219.3	0.36	29.31	24.48	69.42	4.64	35.43	7.81	28.40
2017/09/22	MF	US2	09:04	M	6.5	337.6	0.33	29.35	24.11	68.73	4.6	33.92	7.81	18.50
2017/09/22	ME	US2	12:57	B	6.1	112.4	0.33	29.33	24.28	75.39	5.04	22.51	7.89	14.00
2017/09/22	ME	US2	12:57	M	4.5	88.3	0.43	29.44	23.15	73.29	4.92	15.71	7.86	12.90
2017/09/22	ME	US2	12:58	T	1.3	263.9	0.23	30.3	21.41	71.69	4.79	8.8	7.79	6.90
2017/09/22	ME	US2	12:59	B	6.5	90.3	0.44	29.33	24.28	72.69	4.86	23.31	7.88	13.70
2017/09/22	ME	US2	12:59	M	4.3	151.7	0.22	29.46	22.85	72.39	4.87	15.51	7.85	13.30
2017/09/22	ME	US2	13:00	T	0.7	86.2	0.63	29.95	21.05	69.39	4.68	9.6	7.77	7.20
2017/09/22	ME	US1	13:05	B	8.1	94.1	0.87	29.41	23.7	74.99	5.02	24.61	7.88	15.50
2017/09/22	ME	US1	13:06	M	5.1	87.7	1.3	29.81	21.71	71.59	4.82	12	7.81	11.50
2017/09/22	ME	US1	13:07	T	0.8	167.3	1.01	30.18	20.25	67.49	4.55	7.5	7.72	6.70
2017/09/22	ME	US1	13:08	B	7.8	64.6	0.45	29.43	23.44	71.98	4.83	18.11	7.86	15.40
2017/09/22	ME	US1	13:08	M	5	134	0.74	29.71	22.03	70.88	4.77	11.4	7.81	11.60
2017/09/22	ME	US1	13:09	T	0.7	116.8	0.89	30.8	20.07	69.18	4.62	7	7.72	6.50
2017/09/22	ME	DS1	13:14	B	6.3	112	0.35	29.54	22.72	74.18	4.99	31.52	7.85	14.20
2017/09/22	ME	DS1	13:15	M	4.3	172.1	0.93	29.71	21.92	71.58	4.82	12.4	7.81	6.10

