

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)
2017/08/09	MF	MW1	06:54	B	19.2	153.4	0.18	26.28	30	49.4	3.37	6.35	7.49	8.70
2017/08/09	MF	MW1	06:55	M	10.5	75.3	0.15	27.33	26.85	54.58	3.72	4.24	7.66	6.30
2017/08/09	MF	MW1	06:56	T	1	30	0.09	29.38	18.84	73.13	5.04	4.24	7.74	5.20
2017/08/09	MF	MW1	06:57	B	19.3	16.9	0.07	26.32	29.94	47.69	3.25	6.75	7.7	8.70
2017/08/09	MF	MW1	06:58	M	10.5	105	0.26	27.55	25.96	55.36	3.78	3.64	7.75	6.20
2017/08/09	MF	MW1	06:59	T	1	307.5	0.14	29.37	18.99	73.81	5.08	4.04	7.81	5.00
2017/08/09	MF	DS1	08:06	B	7.9	265.6	0.31	28.43	23.35	59.61	4.07	18.36	7.8	20.10
2017/08/09	MF	DS1	08:07	M	4.8	295.9	0.5	29.11	20.56	68.43	4.69	26.47	7.83	30.80
2017/08/09	MF	DS1	08:07	T	1	292.3	0.66	29.51	18.38	76.16	5.25	9.85	7.85	8.00
2017/08/09	MF	DS1	08:08	B	8.1	305	0.2	28.54	22.94	61.88	4.22	18.36	7.79	20.50
2017/08/09	MF	DS1	08:08	M	5.1	299.7	0.75	29.16	20.58	68.42	4.68	22.06	7.83	29.80
2017/08/09	MF	DS1	08:09	T	1.1	343.6	0.67	29.52	18.1	75.85	5.23	7.85	7.84	7.80
2017/08/09	MF	DS2	08:19	B	8.2	294.3	0.27	29.09	20.98	69.05	4.72	35.88	7.81	26.80
2017/08/09	MF	DS2	08:20	M	5.1	335.4	0.39	29.37	19.71	73.6	5.05	28.67	7.84	26.80
2017/08/09	MF	DS2	08:21	T	1.3	296.1	0.62	29.55	17.98	76.67	5.29	7.85	7.82	6.70
2017/08/09	MF	DS2	08:21	B	7.8	322.2	0.3	29.08	21.02	68.74	4.7	33.57	7.8	26.40
2017/08/09	MF	DS2	08:22	M	5.2	275.8	0.48	29.29	20.29	72.4	4.95	36.18	7.83	25.30
2017/08/09	MF	DS2	08:23	T	1.1	292.4	0.8	29.58	17.84	77.94	5.38	8.85	7.82	6.50
2017/08/09	MF	DS3	08:28	B	7	304	0.47	29.21	20.45	82.76	5.67	7.15	7.82	29.20
2017/08/09	MF	DS3	08:28	M	4.5	300	0.68	29.42	19.21	76.22	5.23	9.35	7.83	6.70
2017/08/09	MF	DS3	08:29	T	1.1	319.2	0.67	29.59	17.94	78.5	5.41	6.15	7.81	6.80
2017/08/09	MF	DS3	08:30	B	7.1	281.6	0.24	29.17	20.66	71.96	4.92	23.26	7.81	29.50
2017/08/09	MF	DS3	08:31	M	4.4	307.6	0.68	29.4	19.18	75.12	5.16	12.15	7.83	6.90
2017/08/09	MF	DS3	08:31	T	1	323	0.58	29.57	17.94	77.39	5.34	6.65	7.82	7.20
2017/08/09	MF	DS4	08:36	B	6.7	313.2	0.44	29.27	20.11	74.59	5.11	19.26	7.8	30.20
2017/08/09	MF	DS4	08:37	M	4.3	330	0.59	29.54	18.43	76.47	5.26	6.85	7.81	7.40
2017/08/09	MF	DS4	08:37	T	1.1	334.4	0.48	29.63	17.83	77.75	5.36	6.05	7.8	8.80
2017/08/09	MF	DS4	08:39	B	6.8	317.9	0.54	29.26	20.19	72.59	4.97	16.56	7.8	28.70
2017/08/09	MF	DS4	08:40	M	4.5	338.8	0.48	29.51	18.58	76.05	5.23	6.95	7.81	7.40
2017/08/09	MF	DS4	08:40	T	1.1	331.7	0.57	29.64	17.84	76.94	5.3	6.45	7.81	8.70
2017/08/09	MF	DS5	08:48	B	8	307.4	0.38	29.36	19.63	72.44	4.97	27.37	7.79	23.00
2017/08/09	MF	DS5	08:49	M	5.1	8.3	0.43	29.58	18.21	71.75	4.94	18.26	7.78	7.50
2017/08/09	MF	DS5	08:49	T	1	10.2	0.45	29.66	17.59	76.09	5.25	7.45	7.78	30.90
2017/08/09	MF	DS5	08:50	B	8.2	305.9	0.47	29.34	19.75	72.03	4.94	30.97	7.78	23.20
2017/08/09	MF	DS5	08:51	M	4.9	4.4	0.51	29.58	18.12	71.93	4.96	13.85	7.8	8.10
2017/08/09	MF	DS5	08:51	T	1	43.5	0.65	29.59	17.72	75.48	5.21	7.05	7.78	10.00
2017/08/09	MF	US1	09:05	B	9.1	310.8	0.33	28.65	22.35	67.7	4.63	9.05	7.79	10.00
2017/08/09	MF	US1	09:06	M	5.5	273.9	0.37	28.93	21.04	68.58	4.7	6.85	7.78	8.20
2017/08/09	MF	US1	09:06	T	1.2	358.4	0.39	29.23	19.6	71.74	4.93	5.55	7.79	6.20
2017/08/09	MF	US1	09:07	B	9.1	180	0.09	28.67	22.27	65.91	4.51	7.55	7.76	9.50
2017/08/09	MF	US1	09:07	M	5.5	307.3	0.42	28.91	21.07	67.78	4.65	6.45	7.77	8.10
2017/08/09	MF	US1	09:08	T	1.1	332.1	0.32	29.2	19.76	71.63	4.92	5.45	7.77	6.00
2017/08/09	MF	US2	09:12	B	7.8	324.4	0.49	28.94	21.06	70.12	4.81	8.75	7.77	10.80
2017/08/09	MF	US2	09:13	M	4.9	307.6	0.54	29.09	20.45	71.3	4.89	6.95	7.78	8.90
2017/08/09	ME	US2	12:43	B	6.9	136.4	0.68	29.18	19.95	73.87	5.07	13.65	7.72	13.50
2017/08/09	ME	US2	12:44	M	4.9	142.6	0.75	29.28	19.35	76.36	5.25	8.95	7.72	8.80
2017/08/09	ME	US2	12:45	T	0.6	125.5	0.96	29.56	18.67	83.93	5.77	6.25	7.74	6.70
2017/08/09	ME	US2	12:45	B	7	117.1	0.56	29.2	19.89	73.76	5.07	11.55	7.73	14.00
2017/08/09	ME	US2	12:46	M	4.6	128.9	0.94	29.39	18.99	78.24	5.38	7.65	7.73	8.70
2017/08/09	ME	US2	12:47	T	1.2	88	1.08	29.56	18.69	83.52	5.74	6.15	7.75	6.60
2017/08/09	ME	US1	13:04	B	9.7	107.4	0.62	29.17	20.13	73.83	5.07	22.26	7.75	25.00
2017/08/09	ME	US1	13:05	M	6.1	118.8	0.8	29.34	19.27	76.11	5.23	9.15	7.75	8.90
2017/08/09	ME	US1	13:06	T	1.3	111	1.11	29.46	18.36	84.46	5.82	7.45	7.78	17.60
2017/08/09	ME	US1	13:07	B	9.7	115.5	0.47	29.18	20.07	71.72	4.92	24.96	7.75	25.30
2017/08/09	ME	US1	13:08	M	6	134.2	0.88	29.31	19.42	74.1	5.09	11.85	7.75	9.10
2017/08/09	ME	US1	13:09	T	1.1	123.2	1.02	29.45	18.59	81.66	5.62	8.35	7.77	16.90
2017/08/09	ME	DS1	13:15	B	8.8	104.8	0.78	28.75	22	67.3	4.6	18.96	7.73	22.50
2017/08/09	ME	DS1	13:16	M	5.1	113.6	0.99	29.4	18.92	77.73	5.35	8.65	7.76	9.20

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2017/08/09	ME	DS1	13:16	T	1.1	113.6	1.3	29.47	18.46	83.69	5.77	7.45	7.77	8.10
2017/08/09	ME	DS1	13:17	B	8.4	108.6	0.79	28.82	21.35	66.39	4.55	18.66	7.73	23.80
2017/08/09	ME	DS1	13:18	M	6	105.3	1.03	29.32	19.33	75.83	5.21	9.95	7.75	9.30
2017/08/09	ME	DS1	13:18	T	1.5	118.6	1.21	29.45	18.65	82.08	5.65	7.75	7.77	8.60
2017/08/09	ME	DS2	13:25	B	8.6	112.8	0.98	29.19	20.01	75.38	5.17	11.65	7.75	11.90
2017/08/09	ME	DS2	13:26	M	5.1	109.4	0.85	29.45	18.71	80.74	5.56	7.75	7.76	7.30
2017/08/09	ME	DS2	13:26	T	1.6	111.3	1.03	29.49	18.51	83.71	5.76	7.75	7.77	8.10
2017/08/09	ME	DS2	13:27	B	7.3	103.6	0.84	29.35	19.2	77.05	5.3	8.45	7.75	11.50
2017/08/09	ME	DS2	13:28	M	5.1	108.6	1.05	29.41	18.92	76.85	5.29	8.15	7.76	7.30
2017/08/09	ME	DS2	13:28	T	1.4	104.3	1.26	29.51	18.5	83.2	5.73	6.85	7.77	8.60
2017/08/09	ME	DS3	13:35	B	8.1	101.7	0.58	29.33	19.28	78.98	5.43	10.55	7.76	13.20
2017/08/09	ME	DS3	13:36	M	5.3	99.9	0.85	29.36	19.15	77.99	5.36	9.65	7.75	9.80
2017/08/09	ME	DS3	13:36	T	1.1	111.4	1.1	29.52	18.62	82.25	5.66	7.15	7.76	7.50
2017/08/09	ME	DS3	13:37	B	7.5	107.5	0.8	29.32	19.32	76.49	5.26	12.65	7.75	13.30
2017/08/09	ME	DS3	13:38	M	4.9	107.9	0.93	29.39	19.04	77.97	5.36	8.85	7.75	10.30
2017/08/09	ME	DS3	13:39	T	1.1	125.1	1.2	29.55	18.66	81.53	5.6	7.25	7.75	7.30
2017/08/09	ME	DS4	13:45	B	13.8	39.3	0.03	27.7	26.46	64.24	4.36	17.56	7.71	20.10
2017/08/09	ME	DS4	13:46	M	7.6	88.2	0.58	29.3	19.36	75.53	5.19	12.75	7.77	14.50
2017/08/09	ME	DS4	13:46	T	0.8	108.6	1.22	29.66	18.66	80.59	5.53	7.95	7.76	6.60
2017/08/09	ME	DS4	13:48	B	13.1	73.1	0.37	29.01	20.95	72.35	4.95	17.26	7.74	19.70
2017/08/09	ME	DS4	13:49	M	7.4	75	0.63	29.31	19.35	76.01	5.23	12.35	7.74	13.80
2017/08/09	ME	DS4	13:50	T	1.2	86.6	0.92	29.8	18.16	82.54	5.67	7.05	7.75	6.80
2017/08/09	ME	DS5	13:55	B	8.4	80.2	0.57	29.32	19.26	78.54	5.4	15.96	7.76	20.20
2017/08/09	ME	DS5	13:56	M	5.3	94.6	0.82	29.39	19.1	78.64	5.41	10.55	7.75	11.20
2017/08/09	ME	DS5	13:57	T	0.8	111.6	0.97	29.63	18.48	81.2	5.58	7.45	7.75	8.30
2017/08/09	ME	DS5	13:57	B	8	92.1	0.61	29.33	19.22	77.93	5.36	16.86	7.75	20.20
2017/08/09	ME	DS5	13:58	M	5.1	105.2	0.73	29.41	19.03	78.12	5.37	9.55	7.75	11.90
2017/08/09	ME	DS5	13:59	T	0.8	88.3	1.1	29.62	18.52	80.49	5.53	7.65	7.75	8.20
2017/07/31	MF	MW1	14:35	B	19.5	27.8	0.19	29.13	20.91	75.89	5.19	6.95	7.79	7.10
2017/07/31	MF	MW1	14:36	M	10.6	51.9	0.39	29.18	20.73	76.38	5.22	7.25	7.78	7.10
2017/07/31	MF	MW1	14:36	T	0.6	99.3	0.9	29.75	18.95	82.49	5.64	4.44	7.79	4.90
2017/07/31	MF	MW1	14:37	B	18.9	35.4	0.14	29.15	20.84	75.78	5.18	7.65	7.77	7.40
2017/07/31	MF	MW1	14:38	M	10.5	74	0.47	29.1	20.97	75.47	5.16	6.75	7.77	7.10
2017/07/31	MF	MW1	14:39	T	0.6	109.2	0.78	29.46	19.81	78.62	5.38	4.54	7.78	4.80