

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)
2017/09/15	ME	MW1	07:07	B	18.8	65.6	0.86	27.65	30.19	59.7	3.97	3.89	7.94	4.70
2017/09/15	ME	MW1	07:09	M	10.7	24.2	0.66	28.43	23.95	78.1	5.31	1.99	7.96	3.10
2017/09/15	ME	MW1	07:10	T	1.1	78.8	0.78	28.48	22.56	82.4	5.64	1.69	7.96	2.90
2017/09/15	ME	MW1	07:11	B	19	342.5	0.08	27.66	30.23	60.3	4.01	7.6	7.95	4.60
2017/09/15	ME	MW1	07:12	M	10.5	159.5	0.19	28.35	24.68	71.4	4.84	4.59	7.96	3.00
2017/09/15	ME	MW1	07:12	T	1.2	96.8	0.54	28.5	22.36	81.9	5.61	3.69	7.97	2.90
2017/09/15	ME	US2	08:36	B	6.8	173.5	0.41	28.64	23.21	72.9	4.96	14.1	7.93	16.40
2017/09/15	ME	US2	08:37	M	4.4	141.4	1.15	28.83	21.36	72.3	4.96	4.59	7.9	6.40
2017/09/15	ME	US2	08:38	T	1	101.7	1.2	28.7	17.86	80.5	5.64	3.59	7.85	2.70
2017/09/15	ME	US2	08:39	B	7.2	123.6	0.45	28.64	23.22	69.7	4.74	13.6	7.94	16.90
2017/09/15	ME	US2	08:39	M	4.7	111.5	1.31	28.81	22.05	71.8	4.9	5.3	7.92	6.40
2017/09/15	ME	US2	08:40	T	1.2	183.3	1.48	28.77	18.06	80.3	5.61	3.49	7.86	2.80
2017/09/15	ME	US1	08:46	B	7.9	228.7	1.04	28.66	23.03	72.7	4.95	18.41	7.94	17.00
2017/09/15	ME	US1	08:47	M	4.3	300.1	0.42	28.79	18.5	79	5.5	6.2	7.87	3.20
2017/09/15	ME	US1	08:47	T	0.9	194.3	0.6	28.76	18	81.9	5.73	5.3	7.86	2.70
2017/09/15	ME	US1	08:48	B	8	110.1	0.48	28.67	23.02	71.8	4.89	16.81	7.94	17.80
2017/09/15	ME	US1	08:49	M	4.9	148.7	0.79	28.83	21.4	71.9	4.93	5.5	7.9	3.20
2017/09/15	ME	US1	08:50	T	0.7	111.9	1.55	28.76	18.03	79.7	5.57	3.49	7.86	2.70
2017/09/15	ME	DS1	08:54	B	6.9	218.8	0.24	28.67	22.74	75.9	5.18	10.2	7.93	10.80
2017/09/15	ME	DS1	08:55	M	4.6	30.5	0.65	28.81	21.03	74	5.08	4.39	7.9	6.60
2017/09/15	ME	DS1	08:55	T	1.4	18.3	0.58	28.76	17.74	80.7	5.65	3.29	7.86	3.70
2017/09/15	ME	DS1	08:56	B	7	251	0.17	28.68	22.76	72	4.91	10.2	7.93	10.60
2017/09/15	ME	DS1	08:57	M	4.6	116.2	0.36	28.82	21.39	72.4	4.96	4.79	7.9	6.30
2017/09/15	ME	DS1	08:58	T	1.1	140.8	0.71	28.77	17.93	81	5.66	3.49	7.86	3.60
2017/09/15	ME	DS2	09:08	B	6.2	81	0.67	28.69	22.84	76.4	5.21	8.3	7.92	11.60
2017/09/15	ME	DS2	09:08	M	3.9	59.3	1.84	28.81	21.18	73.4	5.04	6.1	7.9	2.80
2017/09/15	ME	DS2	09:09	T	1	183.2	0.4	28.8	18.01	79.7	5.57	4.09	7.86	3.30
2017/09/15	ME	DS2	09:09	B	5.9	17.1	0.25	28.72	22.56	72.9	4.97	7.4	7.92	12.20
2017/09/15	ME	DS2	09:10	M	3.8	106.3	0.66	28.84	21.15	72.7	4.99	4.79	7.89	2.60
2017/09/15	ME	DS2	09:11	T	1.2	54.2	0.41	28.83	18.05	80	5.58	3.59	7.85	3.20
2017/09/15	ME	DS3	09:17	B	5.9	106.4	0.6	28.68	22.69	75.5	5.15	9.6	7.92	4.90
2017/09/15	ME	DS3	09:17	M	3.8	110.9	0.78	28.78	21.66	72.6	4.97	5.5	7.9	2.90
2017/09/15	ME	DS3	09:18	T	1	89.7	1	28.85	18.12	80	5.58	4.99	7.84	12.90
2017/09/15	ME	DS3	09:19	B	6.1	305.2	0.5	28.67	22.78	71	4.84	15.71	7.92	4.80
2017/09/15	ME	DS3	09:20	M	4.1	28.1	0.22	28.76	21.84	71.5	4.89	8.8	7.89	3.00
2017/09/15	ME	DS3	09:20	T	0.9	130.9	1.51	28.9	18.19	79.6	5.55	5.8	7.84	8.20
2017/09/15	ME	DS4	09:26	B	15.9	184.2	0.3	28.23	26.99	57.8	3.88	8.9	7.88	8.20
2017/09/15	ME	DS4	09:26	M	8.5	211.1	0.68	28.6	23.86	62.4	4.23	9.7	7.89	9.90
2017/09/15	ME	DS4	09:27	T	0.8	150.1	0.46	28.94	18.22	79.3	5.52	3.29	7.84	2.90
2017/09/15	ME	DS4	09:29	B	15.1	9.8	0.73	28.26	26.8	57.2	3.84	7.9	7.88	7.70
2017/09/15	ME	DS4	09:29	M	8.5	44.1	0.09	28.61	23.67	63.3	4.3	12.4	7.9	9.20
2017/09/15	ME	DS4	09:30	T	0.9	130.5	0.89	28.96	18.06	80.2	5.59	5.8	7.82	2.70
2017/09/15	ME	DS5	09:36	B	6.7	22.7	0.56	28.67	22.97	70.8	4.82	9.1	7.91	8.90
2017/09/15	ME	DS5	09:36	M	4.7	56.9	1.16	28.76	21.92	73.1	5	5.8	7.9	5.40
2017/09/15	MF	DS1	14:43	B	7.1	145.8	0.34	28.65	24.38	66.2	4.48	8.9	7.82	10.80
2017/09/15	MF	DS1	14:44	M	4.4	303.2	0.44	29.26	18.36	74.08	5.13	5.9	7.78	3.40
2017/09/15	MF	DS1	14:45	T	1.1	7.1	0.3	29.75	16.97	80.55	5.57	9.3	7.77	8.30
2017/09/15	MF	DS1	14:46	B	6.9	319.1	0.16	28.68	24.11	63.4	4.29	10.8	7.82	10.70
2017/09/15	MF	DS1	14:47	M	4.3	318.3	1.34	29.22	18.55	74.36	5.14	7.2	7.79	3.50
2017/09/15	MF	DS1	14:47	T	1.1	359.2	0.15	29.74	17.03	79.43	5.49	9.3	7.77	8.20
2017/09/15	MF	DS2	14:55	B	5.9	112.6	0.28	29.13	19.3	73.4	5.06	12.2	7.79	12.70
2017/09/15	MF	DS2	14:55	M	3.9	291	0.13	29.57	17.29	78.37	5.43	5.3	7.76	5.00
2017/09/15	MF	DS2	14:56	T	1	344.5	0.12	29.73	16.68	79.66	5.52	5.4	7.76	4.70
2017/09/15	MF	DS2	14:57	B	6	293.1	0.39	29.05	20.2	71.19	4.89	13.9	7.79	13.50
2017/09/15	MF	DS2	14:58	M	4	306.1	0.7	29.38	17.98	73.38	5.08	9.4	7.77	5.30
2017/09/15	MF	DS2	14:58	T	1	131	0.2	29.77	16.52	79.24	5.49	5.4	7.76	4.60
2017/09/15	MF	DS3	15:06	B	6.1	334.3	0.26	29.21	19.75	75.01	5.15	20.41	7.79	12.40
2017/09/15	MF	DS3	15:07	M	4	307.2	0.52	29.49	17.56	75.79	5.25	12.9	7.76	21.30

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2017/09/15	MF	DS3	15:07	T	0.9	269.8	0.26	29.54	17.09	77.28	5.36	6.7	7.75	6.40
2017/09/15	MF	DS3	15:08	B	6	201.1	0.72	29.05	20.51	69.52	4.77	17.61	7.78	12.20
2017/09/15	MF	DS3	15:09	M	4.1	57.6	0.57	29.33	17.92	74.38	5.15	6.4	7.75	22.30
2017/09/15	MF	DS3	15:10	T	0.9	145.8	1.24	29.49	17.16	76.17	5.28	5.2	7.75	6.30
2017/09/15	MF	DS4	15:15	B	5.9	331.8	0.7	29.16	19.94	73.54	5.05	5.2	7.76	8.80
2017/09/15	MF	DS4	15:15	M	4	110.8	0.47	29.52	17.15	76.22	5.29	4.79	7.75	4.10
2017/09/15	MF	DS4	15:16	T	1	130.9	0.34	30.1	14.45	78.21	5.45	6.2	7.73	9.70
2017/09/15	MF	DS4	15:17	B	5.9	306.9	0.2	29.15	19.88	71.34	4.9	5.4	7.75	8.80
2017/09/15	MF	DS4	15:18	M	3.9	356.4	1.41	29.55	16.71	77.1	5.36	5.3	7.74	4.00
2017/09/15	MF	DS4	15:19	T	1	135.6	1.46	30.47	13.06	78.68	5.49	7.2	7.69	10.40
2017/09/15	MF	DS5	15:23	B	5.9	71.6	0.19	29.08	20.41	70.6	4.84	4.59	7.74	3.70
2017/09/15	MF	DS5	15:24	M	4.2	314.7	0.46	29.4	17.9	74.86	5.18	4.29	7.74	4.00
2017/09/15	MF	DS5	15:25	T	0.9	128.6	0.57	30.4	10.86	74.86	5.3	7.2	7.65	6.50
2017/09/15	MF	DS5	15:26	B	5.9	2	1.24	29.1	20.31	67.41	4.63	6.4	7.74	3.70
2017/09/15	MF	DS5	15:26	M	4.1	224	0.46	29.41	18.62	73.76	5.08	6.7	7.74	3.70
2017/09/15	MF	DS5	15:27	T	1	241	0.55	30.41	11.36	75.04	5.29	9.7	7.66	6.80
2017/09/15	MF	US1	15:38	B	7.3	272.6	0.35	28.63	22.5	76.55	5.23	18.11	7.89	14.00
2017/09/15	MF	US1	15:38	M	4.4	301	1.27	28.9	20.92	80.8	5.55	8.8	7.9	8.40
2017/09/15	MF	US1	15:39	T	1	12.1	0.47	29.49	17.69	83.18	5.75	5.1	7.81	3.40
2017/09/15	MF	US1	15:40	B	6.7	328.3	0.36	28.67	22.36	74.94	5.12	15.61	7.89	13.60
2017/09/15	MF	US1	15:41	M	4.5	194.5	0.54	29.17	19.38	85.64	5.9	5.8	7.89	8.10
2017/09/15	MF	US1	15:42	T	1	59.2	0.6	30.08	16.21	86.03	5.94	5.2	7.8	3.20
2017/09/15	MF	US2	15:56	B	7.2	337.8	0.75	28.67	23.7	77.19	5.24	9.8	7.89	12.40
2017/09/15	MF	US2	15:57	M	4.7	273.4	0.51	29.07	20.59	84.61	5.8	8.6	7.93	7.40
2017/09/15	MF	US2	15:58	T	1	327.2	0.68	29.57	18.01	88.56	6.11	5.4	7.87	5.50
2017/09/15	MF	US2	15:58	B	7	275.9	0.3	28.68	23.6	75.69	5.14	10.4	7.87	12.90
2017/09/15	MF	US2	15:59	M	4.5	325.4	0.37	29.25	19.47	87.07	5.99	5.7	7.9	7.60
2017/09/15	MF	US2	16:00	T	1.1	47.4	0.4	29.57	17.89	88.05	6.08	4.49	7.85	5.50
2017/09/15	MF	MW1	17:05	B	19.1	337.7	0.1	27.77	29.32	67.42	4.5	8	7.97	7.90
2017/09/15	MF	MW1	17:06	M	10.6	67.7	0.39	27.83	28.98	63.19	4.22	7.9	7.95	8.80
2017/09/15	MF	MW1	17:07	T	1	243.2	0.22	28.45	25.66	72.52	4.88	7.5	7.95	10.20
2017/09/15	MF	MW1	17:08	B	19	358.3	0.31	27.75	29.59	62.1	4.14	11.2	7.94	7.70
2017/09/15	MF	MW1	17:09	M	10.6	35	0.44	27.84	29.18	62.68	4.18	10.4	7.93	9.10
2017/09/15	MF	MW1	17:09	T	1.2	276.1	0.33	28.49	25.79	74.37	5	6.8	7.95	10.40