

## 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)
2017/08/04	ME	MW1	09:44	B	19	67.1	0.09	25.58	32.79	45.89	3.12	5.15	7.7	5.90
2017/08/04	ME	MW1	09:46	M	10.5	262.4	0.78	27.25	26.38	60.59	4.15	3.84	7.81	3.90
2017/08/04	ME	MW1	09:47	T	1.1	99.3	0.38	28.82	19.4	83.89	5.81	1.74	7.9	2.60
2017/08/04	ME	MW1	09:48	B	19.2	35.5	0.03	25.75	32.42	46.19	3.13	3.74	7.78	5.80
2017/08/04	ME	MW1	09:49	M	10.5	97	0.63	27.76	24.27	63.19	4.34	2.44	7.88	3.80
2017/08/04	ME	MW1	09:49	T	0.9	98.6	0.33	28.85	19.34	82.48	5.72	1.84	7.94	2.50
2017/08/04	ME	US2	11:12	B	6.9	114.2	0.42	28.11	24.93	53.07	3.61	6.55	7.82	6.60
2017/08/04	ME	US2	11:12	M	4.4	163.7	0.51	29.02	19.22	63.66	4.4	4.04	7.89	6.60
2017/08/04	ME	US2	11:13	T	1.1	314	1.09	29.28	17.8	83.95	5.82	3.44	7.91	4.50
2017/08/04	ME	US2	11:14	B	6.9	103.2	0.24	27.88	25.92	49.97	3.39	6.55	7.81	6.50
2017/08/04	ME	US2	11:14	M	4.7	138.4	0.32	28.51	22.94	51.57	3.52	5.95	7.83	6.50
2017/08/04	ME	US2	11:15	T	1	92.4	0.46	29.27	17.62	83.25	5.78	3.24	7.91	4.40
2017/08/04	ME	US1	11:20	B	7.9	69.9	0.3	27.94	25.83	51.86	3.52	15.46	7.81	11.90
2017/08/04	ME	US1	11:21	M	4.9	124.3	1.24	28.69	22.72	54.46	3.71	7.05	7.83	4.60
2017/08/04	ME	US1	11:22	T	1.3	213	1.31	29.26	17.06	84.64	5.9	3.34	7.91	3.60
2017/08/04	ME	US1	11:23	B	8.1	87.6	0.19	27.98	25.92	49.67	3.37	17.46	7.81	12.20
2017/08/04	ME	US1	11:23	M	5.2	164.6	0.63	28.39	23.41	50.16	3.42	7.25	7.82	4.60
2017/08/04	ME	US1	11:24	T	1.1	144.5	0.38	29.28	16.98	83.94	5.85	3.44	7.91	3.50
2017/08/04	ME	DS1	11:30	B	8	45.9	1.21	27.95	25.9	50.76	3.44	11.95	7.81	19.20
2017/08/04	ME	DS1	11:31	M	5	192.2	0.49	28.23	24.12	54.66	3.73	5.85	7.83	7.90
2017/08/04	ME	DS1	11:32	T	1.1	142.5	0.77	29.24	17.39	83.54	5.81	3.14	7.91	3.90
2017/08/04	ME	DS1	11:32	B	8	132.7	1.19	27.96	25.9	49.66	3.37	12.35	7.81	19.00
2017/08/04	ME	DS1	11:33	M	4.6	96.2	0.92	28.21	24.19	53.56	3.65	5.75	7.83	7.90
2017/08/04	ME	DS1	11:34	T	0.6	87.6	0.57	29.27	17.06	82.44	5.74	3.14	7.91	4.10
2017/08/04	ME	DS2	11:40	B	8.8	145.8	0.33	27.74	26.48	52.16	3.54	9.85	7.8	12.90
2017/08/04	ME	DS2	11:41	M	5.2	130.7	0.83	28.24	24.35	55.06	3.75	6.05	7.82	5.70
2017/08/04	ME	DS2	11:42	T	0.8	133.3	0.93	29.3	16.96	84.33	5.88	3.14	7.91	3.40
2017/08/04	ME	DS2	11:42	B	9	57.3	0.18	27.46	27.42	48.06	3.26	11.55	7.79	13.70
2017/08/04	ME	DS2	11:43	M	5.6	125.2	0.94	28.2	24.49	51.36	3.5	8.45	7.82	5.60
2017/08/04	ME	DS2	11:44	T	1.1	120.7	1.09	29.27	17.35	78.34	5.45	3.64	7.9	3.30
2017/08/04	ME	DS3	11:50	B	7.2	144.7	0.22	27.97	25.47	56.55	3.84	9.95	7.8	4.10
2017/08/04	ME	DS3	11:50	M	4.4	111.3	1.22	28.22	24.14	55.35	3.77	6.05	7.83	4.00
2017/08/04	ME	DS3	11:51	T	1.1	131.5	0.9	29.2	18.07	81.73	5.67	3.24	7.89	16.30
2017/08/04	ME	DS3	11:52	B	6.9	73.1	0.29	27.82	25.91	48.86	3.32	12.25	7.81	4.10
2017/08/04	ME	DS3	11:53	M	4.2	153.3	0.92	28.32	24.4	56.15	3.82	5.35	7.81	4.10
2017/08/04	ME	DS3	11:53	T	1.6	149.3	1.36	29.19	18.03	80.23	5.57	3.14	7.88	14.20
2017/08/04	ME	DS4	11:59	B	17.8	270.5	0.43	26.3	30.94	41.96	2.84	13.25	7.78	14.20
2017/08/04	ME	DS4	12:00	M	10	55.8	0.51	26.64	29.83	41.06	2.78	12.35	7.8	14.00
2017/08/04	ME	DS4	12:01	T	1.1	81.7	1.51	29.19	17.9	77.03	5.35	3.94	7.9	3.10
2017/08/04	ME	DS4	12:02	B	17.7	212.5	0.23	26.3	30.93	40.26	2.73	12.65	7.79	15.30
2017/08/04	ME	DS4	12:03	M	10.1	342.7	0.45	26.63	29.86	40.36	2.74	11.95	7.8	14.70
2017/08/04	ME	DS4	12:03	T	1.2	129.6	1.41	29.25	17.63	78.73	5.47	3.64	7.9	3.00
2017/08/04	ME	DS5	12:09	B	7.9	269.2	0.07	27.77	26.37	51.95	3.52	10.95	7.8	14.30
2017/08/04	ME	DS5	12:10	M	5.4	73.9	0.64	28.39	23.31	57.44	3.92	4.54	7.82	4.10
2017/08/04	MF	DS1	16:49	B	7.1	34.5	0.56	28.21	23.93	57.22	3.91	14.35	7.68	13.90
2017/08/04	MF	DS1	16:49	M	4.5	59.8	1.16	28.62	21.05	57.42	3.96	9.45	7.71	9.70
2017/08/04	MF	DS1	16:50	T	1.1	273.8	0.45	29.44	16.06	76.25	5.33	16.26	7.76	15.50
2017/08/04	MF	DS1	16:51	B	6.8	198.8	0.64	28.32	23.38	55.32	3.78	10.75	7.68	14.40
2017/08/04	MF	DS1	16:51	M	4.6	100.3	0.12	28.67	20.73	58	4	8.35	7.71	10.20
2017/08/04	MF	DS1	16:52	T	1.2	294	0.55	29.44	16.03	75.84	5.3	15.36	7.76	14.50
2017/08/04	MF	DS2	16:59	B	6.8	332.3	0.49	28.26	23.7	52.38	3.58	16.16	7.69	9.90
2017/08/04	MF	DS2	17:00	M	4.6	203.8	0.1	28.8	19.66	60.94	4.22	8.85	7.73	7.60
2017/08/04	MF	DS2	17:00	T	1.1	108.3	0.28	29.34	16.87	71.99	5.02	6.55	7.75	6.70
2017/08/04	MF	DS2	17:01	B	7.1	340.9	0.61	28.42	23.48	55.86	3.81	9.35	7.68	10.10
2017/08/04	MF	DS2	17:02	M	4.6	180.8	1.26	28.85	19.39	63.02	4.37	7.25	7.71	7.50
2017/08/04	MF	DS2	17:02	T	1.1	242.6	1.05	29.29	17.32	72.47	5.04	6.15	7.73	6.70
2017/08/04	MF	DS3	17:09	B	6.2	213.6	0.53	28.51	21.39	57.11	3.93	7.65	7.69	9.80
2017/08/04	MF	DS3	17:10	M	3.9	159.2	1.11	28.78	19.87	61.18	4.23	7.05	7.71	8.50

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2017/08/04	MF	DS3	17:10	T	1.2	10.2	0.79	29.64	15.34	78.58	5.49	5.95	7.76	6.70
2017/08/04	MF	DS3	17:11	B	5.9	10.1	0.39	28.68	20.42	60.48	4.18	8.05	7.69	9.60
2017/08/04	MF	DS3	17:12	M	4.1	257.5	0.19	28.8	19.61	61.27	4.24	7.65	7.7	8.60
2017/08/04	MF	DS3	17:12	T	1.2	291.2	0.43	29.46	16.33	74.69	5.21	6.35	7.74	7.10
2017/08/04	MF	DS4	17:17	B	5.9	42.6	0.92	28.48	21.18	55.27	3.81	7.95	7.68	8.70
2017/08/04	MF	DS4	17:17	M	4	212.7	0.58	28.76	20.24	56.86	3.93	7.45	7.69	6.90
2017/08/04	MF	DS4	17:18	T	1.2	242.9	0.71	29.52	16.04	73.75	5.15	6.15	7.74	7.50
2017/08/04	MF	DS4	17:19	B	5.7	207.9	0.28	28.55	20.9	56.35	3.89	7.45	7.67	8.50
2017/08/04	MF	DS4	17:19	M	3.8	231.7	0.15	28.87	19.87	59.53	4.11	6.85	7.69	6.50
2017/08/04	MF	DS4	17:20	T	1.2	312.6	0.54	29.61	14.64	74.03	5.2	6.15	7.75	7.60
2017/08/04	MF	DS5	17:25	B	5.9	308.7	0.53	28.39	21.81	53.14	3.66	8.15	7.65	7.20
2017/08/04	MF	DS5	17:25	M	4	270.7	0.39	28.78	20.3	56.22	3.88	7.65	7.67	9.10
2017/08/04	MF	DS5	17:26	T	1.1	220.5	0.58	29.44	18.36	66.34	4.58	6.95	7.73	8.20
2017/08/04	MF	DS5	17:26	B	5.7	20.1	0.53	28.46	21.49	54.13	3.73	8.45	7.65	7.10
2017/08/04	MF	DS5	17:27	M	4.1	285.7	1.2	28.66	20.63	54.82	3.78	7.85	7.67	9.00
2017/08/04	MF	DS5	17:27	T	1.2	265.3	0.41	29.62	15.14	68.62	4.8	6.75	7.73	8.10
2017/08/04	MF	US1	17:47	B	8	110.3	0.41	28.21	24.06	52.23	3.56	15.66	7.69	9.50
2017/08/04	MF	US1	17:48	M	4.9	267.6	0.45	28.9	19.61	63.72	4.4	5.85	7.73	6.40
2017/08/04	MF	US1	17:49	T	1.3	270.3	0.97	29.46	15.16	78.08	5.48	5.25	7.78	6.00
2017/08/04	MF	US1	17:50	B	7.8	219.6	1.04	28.59	21.79	56.57	3.88	8.55	7.72	8.90
2017/08/04	MF	US1	17:50	M	5.1	256.9	0.94	28.9	19.65	63.5	4.39	5.85	7.74	6.70
2017/08/04	MF	US1	17:51	T	1.1	346.6	0.9	29.32	16.48	72.12	5.04	5.35	7.76	5.90
2017/08/04	MF	US2	17:56	B	8.1	285.9	0.66	28.35	22.99	58.42	4	10.95	7.71	13.80
2017/08/04	MF	US2	17:57	M	5.1	19.1	0.29	28.72	20.67	62.97	4.34	6.25	7.74	7.70
2017/08/04	MF	US2	17:58	T	1.3	245.8	0.91	29.4	16.3	80.98	5.65	5.04	7.78	5.80
2017/08/04	MF	US2	17:59	B	8	261.4	0.18	28.36	22.75	58.11	3.98	10.25	7.72	13.50
2017/08/04	MF	US2	17:59	M	5	276.7	1.41	28.76	20.47	64.14	4.42	6.05	7.75	7.50
2017/08/04	MF	US2	18:00	T	1.2	264.3	0.87	29.37	16.36	78.98	5.51	5.15	7.79	5.50
2017/07/31	MF	MW1	19:00	B	18.9	187.2	0.17	25.93	31.45	46.53	3.17	7.25	7.79	9.10
2017/07/31	MF	MW1	19:01	M	10.5	115.3	0.58	26.49	29.74	48	3.27	5.65	7.79	7.00
2017/07/31	MF	MW1	19:01	T	1.2	270.9	0.68	27.58	26.09	62.36	4.25	3.34	7.82	4.70
2017/07/31	MF	MW1	19:02	B	18.8	182.3	0.23	25.87	31.58	44.45	3.02	7.55	7.77	9.10
2017/07/31	MF	MW1	19:03	M	10.6	32.3	0.88	26.5	29.65	47.4	3.23	5.65	7.78	6.70
2017/07/31	MF	MW1	19:04	T	1.2	14.4	1.48	27.59	26.02	62.64	4.27	3.44	7.82	4.50