

## 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)
2017/09/08	MF	MW1	06:46	B	19.1	46.8	0.4	27.2	28.05	64.32	4.37	12.85	7.72	13.10
2017/09/08	MF	MW1	06:47	M	10.4	314.1	0.32	27.47	25.76	66.13	4.52	7.65	7.71	6.20
2017/09/08	MF	MW1	06:48	T	1.1	101.1	0.76	27.94	21.51	70.33	4.89	5.35	7.69	6.00
2017/09/08	MF	MW1	06:49	B	19.1	5.4	0.82	27.17	28.32	64.13	4.35	13.15	7.7	13.80
2017/09/08	MF	MW1	06:50	M	10.6	78	0.32	27.43	26.06	65.63	4.49	8.45	7.7	6.20
2017/09/08	MF	MW1	06:51	T	1.1	158.9	0.28	27.95	21.45	70.73	4.92	5.75	7.68	6.00
2017/09/08	MF	DS1	07:57	B	8.1	280.3	1.1	27.76	23.45	67.03	4.62	24.26	7.71	14.50
2017/09/08	MF	DS1	07:58	M	4.8	333.6	0.67	27.93	21.72	67.83	4.71	12.45	7.7	14.20
2017/09/08	MF	DS1	07:59	T	1.1	331.5	1.26	28.14	19.74	69.54	4.87	6.15	7.65	8.80
2017/09/08	MF	DS1	08:00	B	7.9	346.6	0.67	27.76	23.42	66.23	4.57	22.76	7.7	14.20
2017/09/08	MF	DS1	08:01	M	4.8	290.9	0.69	27.85	22.54	66.73	4.62	18.96	7.7	13.40
2017/09/08	MF	DS1	08:02	T	1.1	316.4	0.66	28.09	20.12	69.44	4.85	7.55	7.67	9.20
2017/09/08	MF	DS2	08:10	B	8	278.5	0.87	27.68	24.04	65.34	4.5	58.7	7.71	15.20
2017/09/08	MF	DS2	08:11	M	4.6	303.8	1.3	27.88	22.34	66.35	4.6	22.56	7.7	14.40
2017/09/08	MF	DS2	08:11	T	0.9	348.7	1.39	28.05	20.63	68.75	4.79	9.65	7.68	11.40
2017/09/08	MF	DS2	08:15	B	7.8	302.2	0.49	27.67	24.16	65.15	4.48	58.8	7.7	15.50
2017/09/08	MF	DS2	08:16	M	5	270.1	0.87	27.74	23.51	65.65	4.53	24.96	7.7	13.50
2017/09/08	MF	DS2	08:16	T	1.2	259.3	1.04	28.18	19.38	69.36	4.86	6.25	7.65	11.60
2017/09/08	MF	DS3	08:26	B	8	208	0.47	27.72	23.79	65.67	4.52	35.88	7.69	11.90
2017/09/08	MF	DS3	08:27	M	4.7	30.8	0.3	27.92	22.04	66.47	4.61	19.56	7.7	15.90
2017/09/08	MF	DS3	08:27	T	1.1	300	1.17	28.23	19.32	69.58	4.87	7.65	7.65	20.70
2017/09/08	MF	DS3	08:28	B	7.8	306.6	0.99	27.73	23.68	65.67	4.53	27.87	7.68	11.80
2017/09/08	MF	DS3	08:29	M	5	317.9	0.51	27.89	22.26	66.27	4.59	20.56	7.68	16.70
2017/09/08	MF	DS3	08:29	T	0.9	335.8	0.72	28.26	19.06	69.48	4.87	7.35	7.64	20.50
2017/09/08	MF	DS4	08:35	B	7.3	338.9	0.49	27.96	21.59	67.49	4.69	41.98	7.68	19.40
2017/09/08	MF	DS4	08:36	M	5.5	320.5	1.03	28.1	20.46	68.09	4.75	30.77	7.67	16.30
2017/09/08	MF	DS4	08:36	T	1.1	350.5	1.06	28.24	19.17	69.49	4.87	7.75	7.64	7.80
2017/09/08	MF	DS4	08:38	B	7.7	322.2	0.85	27.83	22.87	65.79	4.55	42.28	7.68	19.60
2017/09/08	MF	DS4	08:39	M	4.9	0	0.57	28.07	20.76	67.69	4.72	23.66	7.67	17.00
2017/09/08	MF	DS4	08:39	T	1	29.6	0.86	28.25	18.94	69.9	4.9	6.25	7.63	7.20
2017/09/08	MF	DS5	08:49	B	7.4	312.5	1.28	28.07	20.82	68.11	4.74	50.29	7.67	10.30
2017/09/08	MF	DS5	08:50	M	5.1	249.7	0.57	28.25	19.03	69.82	4.89	9.05	7.64	7.10
2017/09/08	MF	DS5	08:50	T	1.1	15.5	0.96	28.44	16.41	70.22	4.98	6.15	7.65	30.50
2017/09/08	MF	DS5	08:51	B	7.6	304.4	1.26	28.07	20.75	67.91	4.73	49.19	7.66	10.30
2017/09/08	MF	DS5	08:52	M	5.3	346.7	0.91	28.26	18.72	69.32	4.87	13.85	7.64	7.20
2017/09/08	MF	DS5	08:53	T	1	16.9	0.91	28.4	16.54	69.52	4.93	6.75	7.65	20.60
2017/09/08	MF	US1	09:13	B	8.9	268.1	0.21	27.58	25.17	66.74	4.57	55.7	7.7	20.60
2017/09/08	MF	US1	09:13	M	5.3	239.3	0.54	27.78	23.48	67.14	4.63	42.58	7.7	13.10
2017/09/08	MF	US1	09:14	T	1.1	254.1	1.04	28.17	20.76	70.26	4.89	7.85	7.68	11.10
2017/09/08	MF	US1	09:15	B	8.4	246.5	0.13	27.73	23.98	67.15	4.62	33.07	7.69	19.80
2017/09/08	MF	US1	09:16	M	5.7	234.8	0.88	27.81	23.25	67.55	4.66	26.87	7.7	13.40
2017/09/08	MF	US1	09:16	T	1.2	295.7	0.7	28.16	20.71	69.86	4.86	10.65	7.68	11.10
2017/09/08	MF	US2	09:23	B	8.6	245.6	0.62	27.41	26.28	65.95	4.5	34.47	7.71	58.60
2017/09/08	MF	US2	09:24	M	5.6	280.2	0.52	27.79	23.1	67.26	4.65	19.86	7.7	14.50
2017/09/08	ME	US2	12:50	B	7.6	65.7	1.3	28.03	22.22	69.95	4.84	50.69	7.67	27.10
2017/09/08	ME	US2	12:50	M	5.4	146.1	0.89	28.11	20.99	68.35	4.75	15.66	7.64	13.60
2017/09/08	ME	US2	12:51	T	0.7	149.8	1.18	28.43	19.64	72.14	5.03	6.55	7.62	7.60
2017/09/08	ME	US2	12:52	B	7.9	51.2	0.58	27.99	22.79	69.94	4.82	67.81	7.67	25.30
2017/09/08	ME	US2	12:52	M	4	116.2	0.68	28.1	20.97	68.24	4.75	20.96	7.64	13.90
2017/09/08	ME	US2	12:53	T	1.4	154.6	0.87	28.32	19.82	71.64	4.99	6.95	7.63	7.70
2017/09/08	ME	US1	13:01	B	8.4	128.4	0.73	28.03	22.21	70.33	4.86	55.6	7.68	28.40
2017/09/08	ME	US1	13:02	M	5.3	79.2	0.51	28.12	21.16	69.73	4.84	17.46	7.66	14.70
2017/09/08	ME	US1	13:03	T	1.1	141.4	1.01	28.66	19.27	73.92	5.14	6.75	7.64	7.20
2017/09/08	ME	US1	13:04	B	9.2	117.6	0.9	28.02	22.31	69.62	4.81	55.09	7.67	28.60
2017/09/08	ME	US1	13:05	M	5.2	136.6	1.36	28.2	20.66	71.12	4.95	10.05	7.66	15.40
2017/09/08	ME	US1	13:06	T	1	68.8	0.54	28.54	19.04	72.52	5.06	6.85	7.62	7.00
2017/09/08	ME	DS1	13:16	B	7.4	69	0.98	28.03	22.2	71	4.91	42.98	7.69	33.10
2017/09/08	ME	DS1	13:17	M	5	90	1.17	28.05	21.83	69.6	4.82	36.78	7.69	28.40

