

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)
2016/10/05	ME	MW1	13:48	B	18.9	74.5	0.4	28.28	30.55	76.04	5	6.46	7.52	7.30
2016/10/05	ME	MW1	13:49	M	10.6	47.5	0.24	28.26	30.49	76.92	5.06	5.38	7.74	6.70
2016/10/05	ME	MW1	13:50	T	1.1	98.8	0.12	28.29	30.41	78.03	5.13	4.84	7.8	7.40
2016/10/05	ME	MW1	13:50	B	19	230.6	0.13	28.27	30.54	76.3	5.02	5.1	7.83	7.30
2016/10/05	ME	MW1	13:51	M	10.2	145.6	0.1	28.27	30.52	76.82	5.05	5.16	7.84	6.90
2016/10/05	ME	MW1	13:52	T	0.9	105.1	0.89	28.31	30.37	78.29	5.15	4.66	7.86	7.80
2016/10/05	ME	US2	15:33	M	4.6	161.4	0.79	28.49	28.47	88.8	5.88	11.23	7.91	51.20
2016/10/05	ME	US2	15:33	T	1.2	136.9	1.07	28.7	26.71	86.92	5.8	4.53	7.87	7.60
2016/10/05	ME	US2	15:34	B	8	359.5	0.22	28.47	29.15	89.18	5.89	42.12	7.89	0.00
2016/10/05	ME	US2	15:34	M	5.3	105.8	0.24	28.52	27.92	88.22	5.86	7.69	7.91	0.00
2016/10/05	ME	US2	15:35	T	0.9	149.2	0.64	28.67	26.98	87.81	5.85	4.95	7.87	0.00
2016/10/05	ME	US1	15:40	B	8.1	158.4	0.61	28.5	29.09	90.6	5.98	37.02	7.9	18.20
2016/10/05	ME	US1	15:40	M	4.5	149.1	0.83	28.56	27.6	88.42	5.88	7.61	7.89	19.10
2016/10/05	ME	US1	15:41	T	1.1	140.4	1.11	28.72	26.72	87.85	5.86	3.67	7.84	3.60
2016/10/05	ME	US1	15:41	B	7.8	84.4	0.3	28.5	29.08	89.99	5.94	35.06	7.88	19.00
2016/10/05	ME	US1	15:42	M	5.1	112.7	0.3	28.55	27.98	88.75	5.89	9.32	7.9	19.50
2016/10/05	ME	US1	15:42	T	1	117	0.37	28.81	26.46	89.63	5.97	2.89	7.85	3.60
2016/10/05	ME	US1	15:43	B	7.9	108.1	0.54	28.51	28.98	89.94	5.94	29.19	7.88	0.00
2016/10/05	ME	US1	15:44	M	5.1	296.9	0.23	28.54	28.1	88.7	5.88	11.75	7.89	0.00
2016/10/05	ME	US1	15:44	T	1.2	156	0.47	28.81	26.43	89.67	5.98	2.71	7.85	0.00
2016/10/05	ME	DS1	15:50	B	7.8	289.1	0.41	28.49	29.04	90.01	5.95	27.26	7.89	26.90
2016/10/05	ME	DS1	15:50	M	4.7	261.3	0.4	28.63	28.12	92.64	6.14	9.56	7.9	16.60
2016/10/05	ME	DS1	15:51	T	1	156.2	0.45	28.59	26.88	86.82	5.79	5.17	7.86	7.10
2016/10/05	ME	DS1	15:52	B	8.1	74.3	0.38	28.5	29.04	89.47	5.91	27.08	7.9	27.60
2016/10/05	ME	DS1	15:52	M	4.7	149.1	0.86	28.62	28.31	92.27	6.11	12.77	7.91	16.50
2016/10/05	ME	DS1	15:53	T	1.2	233	0.64	28.6	26.77	86.35	5.77	4.77	7.86	7.10
2016/10/05	ME	DS1	15:53	B	7.8	308.8	0.35	28.5	29.04	89.54	5.91	31.07	7.91	0.00
2016/10/05	ME	DS1	15:54	M	4.8	86.7	0.49	28.61	28.33	91.95	6.09	12.34	7.91	0.00
2016/10/05	ME	DS1	15:54	T	1.4	156.8	0.37	28.59	26.79	86.24	5.76	4.76	7.87	0.00
2016/10/05	ME	DS2	16:00	B	6.8	234.8	0.4	28.51	28.66	89.93	5.95	18.64	7.87	11.00
2016/10/05	ME	DS2	16:00	M	4.3	92.6	0.71	28.66	27.66	92.45	6.14	7.34	7.89	7.70
2016/10/05	ME	DS2	16:01	T	1.1	171.7	0.37	28.69	26.93	89.16	5.94	3.99	7.86	6.10
2016/10/05	ME	DS2	16:02	B	7.2	98	0.53	28.64	28.09	92.01	6.09	14.9	7.87	10.80
2016/10/05	ME	DS2	16:02	M	4.4	169.1	0.68	28.66	27.5	91.62	6.09	6.17	7.88	7.80
2016/10/05	ME	DS2	16:03	T	1.2	123.6	0.59	28.79	26.59	90.44	6.03	2.98	7.84	5.70
2016/10/05	ME	DS3	16:08	B	6.7	135.7	0.73	28.55	28.7	90.87	6.01	35.31	7.88	44.20
2016/10/05	ME	DS3	16:09	M	4.2	128	0.79	28.61	28.13	91.54	6.06	12.37	7.88	35.80
2016/10/05	ME	DS3	16:09	T	1.3	237	0.69	28.83	26.68	91.25	6.07	2.9	7.85	5.50
2016/10/05	ME	DS3	16:10	B	6.6	87	0.53	28.6	28.7	92.12	6.09	45.07	7.88	43.40
2016/10/05	ME	DS3	16:11	M	4.5	333.9	0.05	28.63	28.18	91.95	6.09	15.09	7.9	34.50
2016/10/05	ME	DS3	16:11	T	1.3	127.2	0.9	28.78	26.9	90.83	6.04	3.24	7.87	5.20
2016/10/05	ME	DS3	16:14	B	6.9	50.7	0.84	28.6	28.92	93.57	6.17	37.55	7.9	0.00
2016/10/05	ME	DS3	16:14	M	4.6	122.8	0.97	28.63	28.21	92.47	6.12	15.35	7.9	0.00
2016/10/05	ME	DS3	16:15	T	0.8	106.3	1.02	28.75	26.66	90.43	6.03	3.25	7.86	0.00
2016/10/05	ME	DS4	16:34	T	1.4	102.1	0.39	28.77	26.9	90.6	6.03	3.7	7.85	0.00
2016/10/05	ME	DS5	16:39	B	5.9	93.9	0.64	28.57	28.29	90.7	6.01	14.53	7.86	13.00
2016/10/05	ME	DS5	16:40	M	3.9	124.6	0.09	28.72	27.65	92.99	6.17	11.16	7.87	15.20
2016/10/05	ME	DS5	16:40	T	0.9	141.2	1.18	28.81	26.91	91.65	6.09	3.19	7.83	8.20
2016/10/05	ME	DS5	16:41	B	5.7	9.3	0.71	28.6	28.23	91.35	6.05	15.9	7.87	13.30
2016/10/05	ME	DS5	16:41	M	4	58	0.26	28.72	27.66	92.47	6.13	10.41	7.87	15.80
2016/10/05	ME	DS5	16:42	T	0.9	83	1.37	28.78	27.02	91.52	6.08	3.88	7.85	8.20
2016/10/05	MF	MW1	19:00	B	18	233.4	0.39	28.3	30.24	77.4	5.09	4.81	7.59	7.30
2016/10/05	MF	MW1	19:01	M	10.1	168.3	0.26	28.34	30.07	78.35	5.16	3.74	7.63	6.70
2016/10/05	MF	MW1	19:01	T	1.3	206.3	0.67	28.69	29.21	87.53	5.76	3.22	7.67	7.40
2016/10/05	MF	MW1	19:02	B	18.4	42.8	0.28	28.3	30.25	76.83	5.06	4.6	7.7	7.30
2016/10/05	MF	MW1	19:03	M	10.1	256.8	0.68	28.34	30.09	77.95	5.13	3.92	7.71	6.90
2016/10/05	MF	MW1	19:04	T	1.3	356.2	0.32	28.68	29.26	86.83	5.71	3.29	7.73	7.80
2016/10/05	MF	US2	20:07	B	7.2	275	0.83	28.52	28.79	87.44	5.78	12.94	7.79	15.50

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2016/10/05	MF	US2	20:08	B	4.3	16.6	1.32	28.57	28.32	88.28	5.85	8.36	7.8	13.30
2016/10/05	MF	US2	20:08	T	1.1	337	1.24	28.43	27.73	86.64	5.77	4.56	7.79	9.40
2016/10/05	MF	US2	20:09	B	7.3	268.4	1.05	28.53	28.79	86.63	5.73	14.69	7.8	16.20
2016/10/05	MF	US2	20:10	M	4.3	281.1	0.64	28.56	28.46	88.08	5.83	9.17	7.81	12.70
2016/10/05	MF	US2	20:10	T	1.2	310.4	0.94	28.52	27.92	86.77	5.76	4.9	7.79	9.40
2016/10/05	MF	US1	20:15	B	8.7	327.6	0.46	28.52	28.59	88.19	5.84	10.72	7.79	14.40
2016/10/05	MF	US1	20:16	M	5.5	117.8	0.29	28.53	28.38	87.73	5.81	9.19	7.8	12.30
2016/10/05	MF	US1	20:16	T	1.2	283.7	0.63	28.53	27.67	87.02	5.79	4.75	7.77	7.90
2016/10/05	MF	US1	20:17	B	8.9	292.4	1.04	28.52	28.63	87.56	5.79	11.53	7.8	14.50
2016/10/05	MF	US1	20:17	M	5.5	212.4	0.21	28.53	28.38	87.62	5.8	9.25	7.8	11.70
2016/10/05	MF	US1	20:18	T	1	341	0.66	28.54	27.55	87.09	5.8	4.2	7.78	7.70
2016/10/05	MF	DS1	20:23	B	7.5	344.1	0.43	28.5	28.7	88.09	5.83	12.93	7.78	15.30
2016/10/05	MF	DS1	20:23	M	4.9	82.3	0.34	28.51	28.32	87.29	5.79	9.46	7.79	16.70
2016/10/05	MF	DS1	20:24	T	1.1	326.8	1.53	28.52	27.65	85.82	5.71	5.07	7.77	7.50
2016/10/05	MF	DS1	20:24	B	8	259.6	0.6	28.5	28.75	87.36	5.78	15.25	7.79	15.40
2016/10/05	MF	DS1	20:25	M	5	291.1	0.6	28.51	28.34	86.95	5.76	9.28	7.79	15.80
2016/10/05	MF	DS1	20:26	T	1.1	304.9	0.89	28.48	27.58	85.7	5.71	4.67	7.77	7.30
2016/10/05	MF	DS2	20:30	B	7.1	12.2	0.52	28.51	28.55	88.2	5.84	14.26	7.78	15.40
2016/10/05	MF	DS2	20:30	M	4.6	45	0.55	28.51	28.46	87.67	5.81	11.99	7.79	16.00
2016/10/05	MF	DS2	20:31	T	1	236.4	0.67	28.51	28.03	86.72	5.76	7.33	7.78	11.00
2016/10/05	MF	DS2	20:32	B	6.8	355.5	0.27	28.51	28.51	87.31	5.78	14.1	7.79	15.70
2016/10/05	MF	DS2	20:32	M	4.4	1.1	0.8	28.51	28.46	87.53	5.8	10.9	7.8	16.00
2016/10/05	MF	DS2	20:32	T	1.1	331.3	0.53	28.51	28.05	86.71	5.76	7.25	7.79	10.40
2016/10/05	MF	DS3	20:37	B	6.8	347	0.82	28.47	28.21	85.85	5.7	16.76	7.76	16.30
2016/10/05	MF	DS3	20:37	M	4.6	15.8	0.28	28.47	27.88	84.65	5.63	6.92	7.76	12.50
2016/10/05	MF	DS3	20:38	T	1.5	86.9	0.19	28.72	26.99	87.02	5.79	3.17	7.74	4.10