

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)
2016/10/11	ME	DS	07:10	M	8.7	235.9	0.67	27.99	32.03	88.32	5.79	2.28	7.67	0.00
2016/10/11	ME	DS	07:12	M	8.8	217.6	0.16	28.01	32.05	87.76	5.75	2.23	7.82	0.00
2016/10/11	ME	US	07:15	M	7	189.8	0.26	27.78	31.56	91.5	6.03	1.99	7.86	0.00
2016/10/11	ME	US	07:16	M	7.1	47.5	0.1	27.85	31.67	90.49	5.95	2.25	7.86	0.00
2016/10/11	ME	US2	07:21	B	9.1	69.6	0.54	28.04	32.15	88.67	5.8	4.12	7.84	5.20
2016/10/11	ME	US2	07:22	M	5.5	124.8	0.5	27.88	31.64	90.83	5.97	2.27	7.82	5.20
2016/10/11	ME	US1	07:31	B	9	139.6	0.53	27.97	31.98	89.72	5.88	2.48	7.82	4.10
2016/10/11	ME	US1	07:31	M	5.4	155.9	0.25	27.7	31.58	92.84	6.13	1.92	7.82	5.70
2016/10/11	ME	US1	07:32	T	1.3	358.8	0.93	27.82	31.57	92.83	6.11	2.12	7.82	4.40
2016/10/11	ME	US1	07:33	B	8.9	190.3	0.78	28.02	32.13	87.99	5.76	3.44	7.81	4.10
2016/10/11	ME	US1	07:33	M	5.5	71.9	0.36	27.69	31.58	92.14	6.08	1.8	7.82	5.90
2016/10/11	ME	US1	07:34	T	1.2	170.4	0.16	27.84	31.57	92.79	6.11	2.02	7.82	4.20
2016/10/11	ME	DS1	07:39	B	9.8	133.9	0.19	28.04	32.2	89.38	5.84	3.71	7.81	7.40
2016/10/11	ME	DS1	07:39	M	5.8	141.3	0.23	27.99	32.02	88.66	5.81	3.28	7.8	6.30
2016/10/11	ME	DS1	07:40	T	1.2	40.7	0.29	27.7	31.55	92.7	6.12	1.87	7.81	7.90
2016/10/11	ME	DS1	07:40	B	9.8	47.8	0.54	28.04	32.15	88.72	5.8	4.07	7.8	7.20
2016/10/11	ME	DS1	07:41	M	5.6	113.7	0.43	27.93	31.9	89.16	5.85	2.71	7.8	6.50
2016/10/11	ME	DS1	07:42	T	1.1	93.6	0.61	27.71	31.56	93	6.14	1.75	7.82	8.00
2016/10/11	ME	DS2	07:47	B	21.9	92.3	0.27	28.06	32.28	89.34	5.84	2.23	7.79	4.40
2016/10/11	ME	DS2	07:48	M	12	118.5	0.51	28.04	32.18	88.78	5.81	1.93	7.79	3.30
2016/10/11	ME	DS2	07:49	T	1.1	310.7	0.9	27.82	31.63	91.16	6	2.11	7.78	3.80
2016/10/11	ME	DS2	07:50	B	22	2.2	0.74	28.06	32.28	88.94	5.81	2.28	7.79	4.50
2016/10/11	ME	DS2	07:51	M	11.7	354.9	0.66	28.04	32.2	88.69	5.8	1.89	7.78	3.10
2016/10/11	ME	DS2	07:52	T	1.2	81.5	0.73	27.8	31.62	91.73	6.04	2.06	7.79	3.80
2016/10/11	ME	DS3	07:57	B	7	131.7	0.7	28.04	32.23	89.83	5.87	2.81	7.79	4.40
2016/10/11	ME	DS3	07:57	M	4.6	117.1	0.74	28.06	32.21	88.73	5.8	1.99	7.78	5.80
2016/10/11	ME	DS3	07:58	T	1.2	168.3	0.37	27.82	31.74	89.6	5.9	2.17	7.78	3.80
2016/10/11	ME	DS3	07:59	B	6.9	116	0.28	28.06	32.23	88.57	5.79	3.07	7.79	4.50
2016/10/11	ME	DS3	07:59	M	4.7	190.3	0.24	28.06	32.22	88.54	5.79	2.12	7.79	5.60
2016/10/11	ME	DS3	08:00	T	1.2	101.5	1.02	27.91	31.75	89.16	5.86	2.15	7.78	4.00
2016/10/11	ME	DS4	08:06	B	21.9	296.5	0.45	28.05	32.28	89.52	5.85	2.08	7.77	3.50
2016/10/11	ME	DS4	08:07	M	11.6	36.6	0.42	28.04	32.13	88.16	5.77	2.26	7.77	3.30
2016/10/11	ME	DS4	08:07	T	1	136.6	0.03	27.9	31.86	88.43	5.81	2.2	7.76	6.00
2016/10/11	ME	DS4	08:08	B	22	203.5	0.62	28.06	32.27	89.03	5.82	1.93	7.78	3.40
2016/10/11	ME	DS4	08:09	M	11.8	260.2	0.53	28.05	32.18	88.25	5.77	2.03	7.77	3.20
2016/10/11	ME	DS4	08:10	T	1.2	136.9	1.4	27.88	31.83	88.29	5.8	2.2	7.76	6.10
2016/10/11	ME	DS5	08:15	B	7	64.3	0.77	28.03	32.28	90.44	5.91	2.54	7.76	4.90
2016/10/11	ME	DS5	08:16	M	4.5	123.4	0.74	27.98	32.15	88.71	5.81	1.99	7.75	5.10
2016/10/11	ME	DS5	08:17	T	1.2	102.3	0.76	27.78	31.99	89.29	5.87	2.05	7.76	4.00
2016/10/11	ME	DS5	08:18	B	6.8	34.1	0.26	28.04	32.37	89.01	5.81	2.44	7.77	4.90
2016/10/11	ME	DS5	08:18	M	4.5	164.1	0.85	27.97	32.15	88.72	5.81	1.91	7.77	5.00
2016/10/11	ME	DS5	08:19	T	1.3	316.9	0.4	27.79	31.99	88.98	5.85	2.11	7.77	3.90
2016/10/11	ME	MW1	09:13	B	19.6	94.7	0.54	28.09	18.71	90.61	6.38	2.64	7.76	4.50
2016/10/11	ME	MW1	09:15	M	10.4	88.2	0.45	28.1	20.52	90.44	6.3	1.65	7.78	6.10
2016/10/11	MF	MW1	14:35	M	10.2	51.6	0.53	28.07	22.93	89.51	6.16	2.09	7.79	2.90
2016/10/11	MF	MW1	14:36	T	1.2	315.2	0.73	28.07	22.91	89.98	6.19	1.92	7.79	7.70
2016/10/11	MF	DS	15:40	M	7.8	330.4	0.24	27.67	32.02	103.36	6.81	3.79	7.84	0.00
2016/10/11	MF	DS	15:41	M	8.1	280.4	0.24	27.68	32.01	103.06	6.79	3.71	7.84	0.00
2016/10/11	MF	US	15:46	M	12	93	1.06	27.71	32.15	100.76	6.63	4.53	7.84	0.00
2016/10/11	MF	US	15:47	M	12.1	13.5	0.05	27.7	32.21	100.57	6.61	5.06	7.84	0.00
2016/10/11	MF	US2	15:53	B	21.9	224	0.67	27.88	22.75	96.47	6.67	6.54	7.79	7.30
2016/10/11	MF	US2	15:54	M	12	319.4	1.26	27.9	25.91	95.49	6.48	6.33	7.79	10.30
2016/10/11	MF	US2	15:55	T	1.2	333.9	0.57	27.87	21.31	98.02	6.83	3.72	7.81	12.30
2016/10/11	MF	US2	15:56	B	21.8	330.7	0.25	27.88	22.63	96.26	6.66	6.76	7.8	7.00
2016/10/11	MF	US2	15:58	M	11.7	285.5	0.53	27.89	20.85	95.87	6.69	7.28	7.8	10.30
2016/10/11	MF	US2	15:58	T	1	310.3	0.43	27.87	22.44	97.24	6.73	4.02	7.8	11.50
2016/10/11	MF	US1	16:04	B	10.6	296.8	0.8	27.93	27.09	93.89	6.33	14.94	7.76	5.80
2016/10/11	MF	US1	16:05	M	6.7	262.6	0.63	27.86	23.4	96.47	6.64	5.46	7.78	6.80

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2016/10/11	MF	US1	16:05	T	1.3	331.3	0.49	27.79	23.21	100.18	6.92	3.47	7.8	8.40
2016/10/11	MF	US1	16:06	B	10.9	257.8	0.54	27.91	23.76	94.21	6.47	17.28	7.78	6.20
2016/10/11	MF	US1	16:07	M	6.5	16.5	0.15	27.83	23.5	97.29	6.7	5.03	7.8	7.30
2016/10/11	MF	US1	16:08	T	1.5	308.4	1.06	27.8	19.81	99.34	6.99	4.09	7.81	7.90
2016/10/11	MF	DS1	16:13	B	9	271.4	0.12	27.72	20.89	100.86	7.06	4.58	7.81	7.10
2016/10/11	MF	DS1	16:14	M	5.4	39.3	0.45	27.72	23.4	100.63	6.95	4.54	7.81	7.60
2016/10/11	MF	DS1	16:15	T	1.4	307	0.61	27.72	22.01	100.77	7.01	3.74	7.81	9.00
2016/10/11	MF	DS1	16:15	B	9.1	243.8	0.56	27.75	25.04	99.65	6.81	5.75	7.81	6.90
2016/10/11	MF	DS1	16:16	M	5.8	349.9	0.2	27.75	23.35	99.79	6.89	4.33	7.81	7.10
2016/10/11	MF	DS1	16:17	T	1.4	284.4	0.53	27.74	21.79	100.29	6.98	4.3	7.81	8.60
2016/10/11	MF	DS2	16:22	B	8.1	189.2	0.17	27.68	26.9	103.02	6.98	9.54	7.8	6.00
2016/10/11	MF	DS2	16:23	M	5.2	345.5	1.02	27.7	23.2	103.25	7.14	4.12	7.8	9.60
2016/10/11	MF	DS2	16:24	T	1.3	329.9	0.54	27.71	21.39	103.75	7.25	2.88	7.81	13.00
2016/10/11	MF	DS2	16:24	B	8.1	3.3	0.28	27.7	23.16	102.76	7.11	8.38	7.81	5.80
2016/10/11	MF	DS2	16:25	M	5.3	293	0.53	27.71	23.25	102.84	7.11	6.87	7.81	9.90
2016/10/11	MF	DS2	16:26	T	1.3	300.8	0.52	27.73	24.03	103.05	7.09	3.32	7.82	12.80
2016/10/11	MF	DS3	16:31	B	7.5	15.4	0.27	27.72	20.51	104.6	7.34	11.15	7.8	9.50
2016/10/11	MF	DS3	16:32	M	5	347.2	1.16	27.72	22.34	104.39	7.25	7.45	7.8	12.80
2016/10/11	MF	DS3	16:33	T	0.8	306.9	0.72	27.73	22.02	105.43	7.33	3.81	7.81	11.90
2016/10/11	MF	DS3	16:34	B	7.9	245.2	0.16	27.72	21.27	104.26	7.28	12.48	7.82	9.50
2016/10/11	MF	DS3	16:34	M	5	304.6	1.22	27.73	22.16	104.28	7.25	7.78	7.82	12.70
2016/10/11	MF	DS3	16:35	T	1.1	331.5	0.27	27.73	26.32	104.68	7.11	5.01	7.82	11.30
2016/10/11	MF	DS4	16:40	B	8	295.4	0.31	27.64	26.58	106.53	7.24	9.95	7.81	8.30
2016/10/11	MF	DS4	16:40	M	5	164.2	0.43	27.66	24.3	106.42	7.32	6.71	7.81	10.10
2016/10/11	MF	DS4	16:41	T	1.3	354.6	0.47	27.67	25.24	106.83	7.31	4.05	7.82	12.20
2016/10/11	MF	DS4	16:42	B	7.9	24	0.47	27.65	24.76	106.19	7.28	8.86	7.82	8.60