

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)
2016/10/15	ME	DS	10:25	M	7.7	112.4	0.63	27.37	32.37	91.51	6.04	4.54	7.56	0.00
2016/10/15	ME	DS	10:26	M	7.6	110.1	0.84	27.37	32.39	91.06	6.01	4.86	7.77	0.00
2016/10/15	ME	US	10:30	M	14.3	155.3	0.84	27.38	32.46	90.8	5.99	4.96	7.82	0.00
2016/10/15	ME	US	10:31	M	14	104.9	0.36	27.38	32.47	90.76	5.99	4.68	7.82	0.00
2016/10/15	ME	US2	10:39	B	8.9	144.4	0.46	27.33	32.48	91.21	6.02	9.9	7.8	9.20
2016/10/15	ME	US2	10:40	M	5.4	35.7	0.6	27.29	32.46	91.53	6.05	6.89	7.8	9.60
2016/10/15	ME	US1	10:48	B	9.1	143.8	0.73	27.37	32.51	91.21	6.02	8.58	7.8	6.50
2016/10/15	ME	US1	10:49	M	5.3	149.5	0.82	27.39	32.51	91.36	6.03	5.39	7.8	7.70
2016/10/15	ME	US1	10:50	T	1.2	58.7	0.37	27.46	32.51	93.34	6.15	4.54	7.81	10.60
2016/10/15	ME	US1	10:50	B	8.8	105.3	0.14	27.38	32.51	90.72	5.99	7.76	7.81	6.60
2016/10/15	ME	US1	10:51	M	5.4	137.1	0.44	27.39	32.51	91.02	6.01	6.33	7.81	7.80
2016/10/15	ME	US1	10:52	T	1.3	197.4	1.51	27.47	32.51	93.06	6.13	4.48	7.82	11.50
2016/10/15	ME	DS1	10:57	B	9.6	107.1	1.04	27.38	32.52	91.14	6.01	8.54	7.81	8.30
2016/10/15	ME	DS1	10:58	M	5.6	119.2	0.73	27.48	32.52	92.72	6.11	10.59	7.81	10.80
2016/10/15	ME	DS1	10:59	T	1.6	112.5	1.32	27.47	32.53	93	6.13	5.22	7.81	8.40
2016/10/15	ME	DS1	11:01	B	9.8	71	0.9	27.38	32.52	90.83	5.99	6.72	7.81	8.60
2016/10/15	ME	DS1	11:01	M	5.6	42.7	0.7	27.41	32.52	91.77	6.05	5.19	7.81	11.50
2016/10/15	ME	DS1	11:02	T	1.2	104.1	1.03	27.46	32.53	92.59	6.1	13.32	7.82	8.70
2016/10/15	ME	DS2	11:07	B	17.9	91.9	1.04	27.38	32.54	90.76	5.99	6.99	7.79	9.20
2016/10/15	ME	DS2	11:08	M	10.2	148.2	0.48	27.38	32.53	90.56	5.98	6.66	7.8	9.90
2016/10/15	ME	DS2	11:09	T	1.1	121.8	0.39	27.38	32.52	90.55	5.98	6.58	7.8	10.10
2016/10/15	ME	DS2	11:10	B	17.8	181.6	0.15	27.38	32.53	90.4	5.96	7.41	7.8	9.20
2016/10/15	ME	DS2	11:11	M	10.1	123.7	0.13	27.39	32.53	90.43	5.97	6.78	7.8	9.30
2016/10/15	ME	DS2	11:12	T	1	73.2	0.22	27.39	32.53	90.6	5.98	6.61	7.8	10.20
2016/10/15	ME	DS3	11:19	B	6.8	97.4	0.7	27.37	32.53	90.89	6	10.54	7.79	8.00
2016/10/15	ME	DS3	11:19	M	4.7	93	0.4	27.38	32.53	90.58	5.98	8.46	7.79	11.80
2016/10/15	ME	DS3	11:20	T	0.8	12.2	0.2	27.42	32.53	91.07	6.01	5.14	7.8	12.30
2016/10/15	ME	DS3	11:21	B	6.9	108.1	0.4	27.38	32.54	90.55	5.97	10.1	7.8	8.10
2016/10/15	ME	DS3	11:21	M	4.2	165.2	0.99	27.38	32.54	90.46	5.97	8.46	7.8	11.90
2016/10/15	ME	DS3	11:22	T	1	200.6	0.63	27.39	32.54	90.57	5.97	6.1	7.8	12.90
2016/10/15	ME	DS4	11:27	B	21.9	15.5	0.42	27.4	32.57	92.33	6.09	6.94	7.8	10.80
2016/10/15	ME	DS4	11:28	M	12	170.3	0.21	27.41	32.56	91.61	6.04	6.4	7.8	10.70
2016/10/15	ME	DS4	11:29	T	1.3	109.2	0.84	27.42	32.55	91.31	6.02	7.25	7.8	9.50
2016/10/15	ME	DS4	11:30	B	22.1	281.4	0.1	27.4	32.57	91.62	6.04	5.73	7.8	10.60
2016/10/15	ME	DS4	11:31	M	12.1	172.3	0.67	27.41	32.57	91.45	6.03	6.39	7.8	10.30
2016/10/15	ME	DS4	11:32	T	1.1	104.4	0.55	27.42	32.55	91.2	6.01	7.13	7.8	9.30
2016/10/15	ME	DS5	11:37	B	6.8	91.9	0.83	27.43	32.56	93.18	6.14	7.76	7.79	6.70
2016/10/15	ME	DS5	11:38	M	4.4	151.1	0.66	27.43	32.57	92.92	6.12	6.87	7.79	10.40
2016/10/15	ME	DS5	11:39	T	1	135.6	0.78	27.48	32.56	92.72	6.11	4.83	7.79	10.90
2016/10/15	ME	DS5	11:39	B	6.8	140.5	0.55	27.43	32.57	92.69	6.11	8.89	7.8	6.40
2016/10/15	ME	DS5	11:40	M	4.6	106.8	1.14	27.43	32.57	92.51	6.1	6.32	7.8	9.70
2016/10/15	ME	DS5	11:41	T	1	100.8	0.72	27.47	32.56	92.3	6.08	5.39	7.8	11.60
2016/10/15	ME	MW1	12:31	B	18.6	155.3	0.58	27.74	32.81	84.59	5.54	16.91	7.78	19.00
2016/10/15	ME	MW1	12:32	M	10.2	55	0.7	27.75	32.78	84.03	5.5	17.58	7.77	26.80
2016/10/15	MF	MW1	16:53	M	10.9	57.8	0.09	27.77	32.52	84.52	5.54	10.92	7.73	9.00
2016/10/15	MF	MW1	16:54	T	1.3	24.6	0.44	27.77	32.52	84.65	5.55	8.45	7.74	13.50
2016/10/15	MF	DS	17:55	M	12.9	144.5	0.46	27.54	32.69	94.13	6.19	10.12	7.8	0.00
2016/10/15	MF	DS	17:56	M	13	321.2	0.07	27.54	32.68	94	6.18	9.94	7.79	0.00
2016/10/15	MF	US	18:00	M	9.8	281.8	0.7	27.56	32.61	94.85	6.24	16.42	7.8	0.00
2016/10/15	MF	US	18:01	M	9.8	254.7	0.38	27.56	32.62	94.72	6.23	21.87	7.8	0.00
2016/10/15	MF	US2	18:06	B	10.3	302.4	0.84	27.56	32.62	95.63	6.29	20.68	7.81	18.30
2016/10/15	MF	US2	18:07	M	5.9	280.3	0.58	27.55	32.62	95.55	6.28	14.69	7.81	23.70
2016/10/15	MF	US2	18:08	T	1.1	311.8	1.2	27.54	32.61	95.5	6.28	10.88	7.81	31.10
2016/10/15	MF	US2	18:09	B	10	261.5	0.52	27.55	32.61	95.41	6.27	15.31	7.81	18.20
2016/10/15	MF	US2	18:09	M	6	214.2	0.1	27.54	32.6	95.41	6.28	14.01	7.81	23.90
2016/10/15	MF	US2	18:10	T	1.2	330.2	0.28	27.54	32.6	95.37	6.27	12.54	7.81	29.20
2016/10/15	MF	US1	18:16	B	8.6	269.3	1.01	27.58	32.59	94.85	6.24	16.42	7.8	24.00
2016/10/15	MF	US1	18:16	M	5.3	271.5	0.92	27.58	32.59	94.62	6.22	14.22	7.81	21.80

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2016/10/15	MF	US1	18:17	T	1.2	281.4	0.79	27.58	32.59	94.56	6.22	13.69	7.81	22.30
2016/10/15	MF	US1	18:18	B	8.8	244.5	0.85	27.58	32.59	94.51	6.21	14.07	7.81	22.60
2016/10/15	MF	US1	18:19	M	5.4	251.3	0.84	27.58	32.59	94.48	6.21	13.45	7.81	22.50
2016/10/15	MF	US1	18:19	T	1	317	0.81	27.58	32.59	94.44	6.21	14.75	7.81	23.50
2016/10/15	MF	DS1	18:24	B	7.7	322.7	0.84	27.56	32.53	95.77	6.3	19.59	7.81	24.90
2016/10/15	MF	DS1	18:25	M	4.8	327	0.6	27.56	32.54	95.58	6.29	18.55	7.81	30.20
2016/10/15	MF	DS1	18:26	T	1.3	352.4	0.46	27.57	32.54	95.36	6.27	16.89	7.82	33.00
2016/10/15	MF	DS1	18:26	B	7.7	319.9	0.23	27.57	32.53	95.29	6.27	21.29	7.82	24.20
2016/10/15	MF	DS1	18:27	M	4.8	299.1	0.51	27.57	32.54	95.23	6.26	21.21	7.82	30.20
2016/10/15	MF	DS1	18:27	T	1.2	340.1	0.62	27.57	32.54	95.17	6.26	19.62	7.82	32.30
2016/10/15	MF	DS2	18:35	B	7.9	12.1	0.33	27.53	32.55	95.43	6.28	30.75	7.82	22.10
2016/10/15	MF	DS2	18:36	M	5.4	9.7	0.78	27.54	32.53	95.53	6.29	16.94	7.82	27.00
2016/10/15	MF	DS2	18:37	T	1.3	356.5	0.41	27.55	32.53	95.5	6.28	11.68	7.83	44.50
2016/10/15	MF	DS2	18:40	B	7.9	249.3	0.5	27.55	32.56	95.21	6.26	31.27	7.83	21.40
2016/10/15	MF	DS2	18:41	M	4.8	283.6	1.3	27.55	32.57	95.18	6.26	15.84	7.84	27.70
2016/10/15	MF	DS2	18:42	T	1.2	307.1	0.52	27.55	32.57	95.17	6.26	11.98	7.83	45.10
2016/10/15	MF	DS3	18:46	B	7.9	61.2	0.34	27.49	32.49	96.6	6.36	25.38	7.83	16.80
2016/10/15	MF	DS3	18:47	M	5.2	247.5	0.49	27.48	32.5	96.44	6.35	14.76	7.83	17.20
2016/10/15	MF	DS3	18:48	T	1.6	2.7	0.89	27.46	32.51	96.3	6.35	9.9	7.83	39.00
2016/10/15	MF	DS3	18:48	B	7.9	180.6	0.31	27.47	32.51	96.4	6.35	24.23	7.83	17.00
2016/10/15	MF	DS3	18:49	M	5.2	317.3	0.7	27.47	32.53	96.05	6.33	11.53	7.84	17.90
2016/10/15	MF	DS3	18:50	T	1.2	303.1	0.55	27.51	32.54	95.64	6.3	10.22	7.83	38.00
2016/10/15	MF	DS4	18:55	B	8.1	1.2	1.02	27.43	32.55	98.02	6.46	28.38	7.85	12.70
2016/10/15	MF	DS4	18:56	M	5.2	309	0.46	27.44	32.56	97.97	6.46	11.78	7.85	16.80
2016/10/15	MF	DS4	18:57	T	1.3	319.4	0.78	27.44	32.56	98.17	6.47	8.21	7.85	24.00
2016/10/15	MF	DS4	19:00	B	7.9	220.9	0.2	27.44	32.56	97.62	6.43	29.27	7.86	12.40