

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)
2016/11/30	MF	MW1	07:04	B	18.7	98.2	0.47	23.21	31.08	88.3	6.31	11.49	7.97	8.20
2016/11/30	MF	MW1	07:05	M	10.6	15	0.33	23.22	31.08	87.89	6.28	11.39	7.99	10.90
2016/11/30	MF	MW1	07:06	T	1.1	354.6	0.57	23.21	31.08	88.38	6.31	9.39	8.02	9.80
2016/11/30	MF	MW1	07:07	B	18.9	5	0.29	23.22	31.08	87.17	6.23	14.19	8.04	8.00
2016/11/30	MF	MW1	07:07	M	10.5	122.6	0.78	23.22	31.08	87.56	6.25	11.29	8.05	11.70
2016/11/30	MF	MW1	07:08	T	1.1	184.5	0.21	23.22	31.08	88.05	6.29	11.19	8.06	9.20
2016/11/30	MF	US2	08:18	B	6.9	294.1	1.21	22.46	31.14	93.77	6.79	19.88	8.08	19.50
2016/11/30	MF	US2	08:18	M	4.4	253.1	0.36	22.52	31.13	91.98	6.65	18.68	8.07	15.40
2016/11/30	MF	US2	08:19	T	1	274.1	0.67	22.55	31.12	91.68	6.62	15.38	8.07	11.40
2016/11/30	MF	US2	08:20	B	7	295.1	0.79	22.49	31.13	91.38	6.61	21.18	8.08	19.80
2016/11/30	MF	US2	08:20	M	4.5	313.9	1.49	22.53	31.12	91.37	6.6	18.48	8.06	14.40
2016/11/30	MF	US2	08:21	T	1	286.1	0.84	22.56	31.11	91.56	6.62	14.89	8.06	10.70
2016/11/30	MF	US1	08:26	B	8.1	54.7	0.47	22.43	31.16	94.38	6.83	20.38	8.06	11.70
2016/11/30	MF	US1	08:26	M	5	333.5	0.84	22.45	31.14	92.49	6.69	17.18	8.05	11.70
2016/11/30	MF	US1	08:27	T	1.1	322.7	1.47	22.43	31.14	92.09	6.67	16.38	8.06	9.50
2016/11/30	MF	US1	08:28	B	7.9	253.3	0.49	22.41	31.15	91.59	6.63	19.98	8.06	11.50
2016/11/30	MF	US1	08:28	M	5.1	311.9	0.72	22.44	31.14	91.68	6.64	18.18	8.06	12.20
2016/11/30	MF	US1	08:29	T	1.1	253.3	0.75	22.52	31.12	91.68	6.63	14.99	8.05	10.00
2016/11/30	MF	DS1	08:34	B	7.8	269.3	1.41	22.5	31.16	93.7	6.77	24.28	8.05	14.40
2016/11/30	MF	DS1	08:35	M	4.9	253.4	0.56	22.53	31.14	91.52	6.61	20.38	8.04	9.60
2016/11/30	MF	DS1	08:35	T	1	275.2	0.16	22.57	31.12	91.31	6.6	17.88	8.04	6.20
2016/11/30	MF	DS1	08:36	B	7.6	33.8	0.64	22.51	31.15	91.1	6.59	22.58	8.05	14.50
2016/11/30	MF	DS1	08:37	M	5.3	307.4	0.84	22.52	31.14	91	6.58	20.48	8.05	9.20
2016/11/30	MF	DS1	08:38	T	1.1	349.9	0.5	22.57	31.12	91.19	6.59	17.08	8.04	6.30
2016/11/30	MF	DS2	08:42	B	7.6	302.8	0.26	22.49	31.13	93.51	6.76	23.48	8.03	13.90
2016/11/30	MF	DS2	08:43	M	4.9	316.9	0.28	22.52	31.13	91.73	6.63	20.98	8.03	8.80
2016/11/30	MF	DS2	08:43	T	1	266.6	0.57	22.52	31.13	91.42	6.61	16.98	8.03	7.60
2016/11/30	MF	DS2	08:44	B	8	279.4	0.34	22.5	31.13	91.12	6.59	24.68	8.03	13.60
2016/11/30	MF	DS2	08:44	M	5	300.2	0.51	22.51	31.14	91.02	6.58	21.88	8.03	8.50
2016/11/30	MF	DS2	08:45	T	0.9	349.6	1.13	22.5	31.14	91.21	6.6	17.58	8.04	7.60
2016/11/30	MF	DS3	08:49	B	7.6	357.4	0.35	22.31	31.06	93.72	6.8	23.18	8.03	12.90
2016/11/30	MF	DS3	08:50	M	4.5	335.5	0.54	22.31	31.07	91.55	6.65	21.08	8.02	9.70
2016/11/30	MF	DS3	08:51	T	1.1	327.8	1.45	22.3	31.08	91.54	6.65	18.08	8.03	7.70
2016/11/30	MF	DS3	08:52	B	7.8	273.7	0.49	22.31	31.07	91.14	6.62	23.68	8.03	12.70
2016/11/30	MF	DS3	08:52	M	5	99.4	0.48	22.33	31.11	91.33	6.63	18.08	8.03	#REF!
2016/11/30	MF	DS3	08:53	T	1.1	313.7	1.11	22.35	31.13	91.51	6.64	17.08	8.03	#REF!
2016/11/30	MF	DS4	08:58	B	7.4	72	0.29	22.39	31.1	93.63	6.79	23.48	8.01	#REF!
2016/11/30	MF	DS4	08:58	M	5	339.9	0.97	22.38	31.09	91.66	6.64	21.48	8.01	#REF!
2016/11/30	MF	DS4	08:59	T	1	321.7	0.69	22.36	31.08	91.75	6.65	15.48	8.01	#REF!
2016/11/30	MF	DS4	09:03	B	8	94.5	0.2	22.37	31.07	93.48	6.78	22.38	8.01	#REF!
2016/11/30	MF	DS4	09:04	M	5.1	279.1	0.76	22.36	31.06	91.7	6.65	21.48	8.01	#REF!
2016/11/30	MF	DS4	09:04	T	1.1	304.9	1.03	22.35	31.06	91.69	6.65	15.38	8.01	#REF!
2016/11/30	MF	DS5	09:09	B	7.6	285.7	0.43	22.6	31.05	91.84	6.63	26.47	7.99	14.10
2016/11/30	MF	DS5	09:10	M	4.8	335.9	0.65	22.61	31.05	90.46	6.53	19.08	7.99	10.60
2016/11/30	ME	US2	12:16	B	8	103.1	1.04	22.57	31.11	93.27	6.74	10.99	7.99	14.10
2016/11/30	ME	US2	12:16	M	5	92.3	0.1	22.62	31.1	91.77	6.62	8.79	7.99	11.30
2016/11/30	ME	US2	12:17	T	0.9	328.2	0.36	22.72	31.11	91.86	6.62	6.89	7.99	11.40
2016/11/30	ME	US2	12:18	B	7.8	115.5	0.17	22.58	31.12	91.06	6.58	10.89	7.99	13.20
2016/11/30	ME	US2	12:18	M	5.1	81.7	0.73	22.61	31.11	91.26	6.59	9.49	7.99	11.40
2016/11/30	ME	US2	12:19	T	1.2	58.4	0.75	22.7	31.1	92.15	6.64	7.89	8	11.50
2016/11/30	ME	US1	12:24	B	9.1	55.9	0.45	22.56	31.11	91.32	6.6	9.69	8	#REF!
2016/11/30	ME	US1	12:25	M	5.5	90.3	0.21	22.75	31.11	91.22	6.57	8.09	8	#REF!
2016/11/30	ME	US1	12:25	T	1	135.5	0.39	22.88	31.11	91.72	6.59	6.39	8	#REF!
2016/11/30	ME	US1	12:26	B	8.7	106.3	0.19	22.58	31.11	90.81	6.56	9.29	8	#REF!
2016/11/30	ME	US1	12:27	M	5.4	161.2	0.17	22.75	31.11	91.01	6.55	7.99	7.99	#REF!
2016/11/30	ME	US1	12:27	T	1	93.6	1.24	22.89	31.11	91.5	6.57	6.09	7.99	#REF!
2016/11/30	ME	DS1	12:33	B	9	321.3	0.31	22.71	31.11	90.18	6.5	17.48	7.99	#REF!
2016/11/30	ME	DS1	12:34	M	5.5	188.3	0.42	22.79	31.11	90.27	6.5	12.09	7.99	#REF!

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2016/11/30	ME	DS1	12:35	T	1.1	110.3	0.41	22.84	31.11	90.67	6.52	8.39	7.99	#REF!
2016/11/30	ME	DS1	12:35	B	8.9	140.4	0.34	22.72	31.11	89.57	6.45	15.58	7.99	#REF!
2016/11/30	ME	DS1	12:36	M	5.5	88.5	0.5	22.82	31.12	90.26	6.49	9.99	7.99	#REF!
2016/11/30	ME	DS1	12:37	T	1	130.6	0.56	22.92	31.11	91.05	6.54	6.19	8	#REF!
2016/11/30	ME	DS2	12:41	B	8	108.3	0.39	22.92	31.11	91.43	6.56	8.99	7.99	#REF!
2016/11/30	ME	DS2	12:42	M	5	151.5	0.39	22.94	31.11	91.03	6.53	8.79	7.99	#REF!
2016/11/30	ME	DS2	12:42	T	1	120.5	0.27	23	31.12	91.12	6.53	6.59	7.99	#REF!
2016/11/30	ME	DS2	12:43	B	7.9	85	0.7	22.93	31.12	90.42	6.49	9.49	7.99	#REF!
2016/11/30	ME	DS2	12:44	M	5	261.9	0.8	22.94	31.12	90.52	6.5	8.49	7.99	#REF!
2016/11/30	ME	DS2	12:44	T	1.1	331.7	0.43	22.98	31.12	90.91	6.52	6.69	7.99	#REF!
2016/11/30	ME	DS3	12:49	B	7.9	316	0.47	22.91	31.11	91.88	6.6	10.99	7.99	#REF!
2016/11/30	ME	DS3	12:50	M	4.9	175.6	0.3	22.92	31.11	90.48	6.5	7.29	7.98	#REF!
2016/11/30	ME	DS3	12:50	T	1.1	111.2	1.05	23.17	31.12	91.77	6.56	5.39	7.99	#REF!
2016/11/30	ME	DS3	12:51	B	7.9	36.9	0.41	22.92	31.11	90.18	6.47	10.09	7.99	#REF!
2016/11/30	ME	DS3	12:52	M	5	140.2	0.85	22.93	31.11	89.97	6.46	7.59	7.99	#REF!
2016/11/30	ME	DS3	12:52	T	1.1	126	0.48	23.1	31.12	91.07	6.52	5.69	7.99	#REF!
2016/11/30	ME	DS4	12:58	B	21.6	340.5	0.26	22.68	31.09	89.44	6.45	10.29	7.98	#REF!
2016/11/30	ME	DS4	12:58	M	12.2	335.6	0.17	22.96	31.11	90.04	6.46	7.29	7.98	#REF!
2016/11/30	ME	DS4	12:59	T	1.1	325.7	0.68	23.13	31.12	91.63	6.55	5.89	7.99	#REF!
2016/11/30	ME	DS4	13:00	B	22	104.4	0.71	22.74	31.09	88.73	6.39	9.69	7.98	#REF!
2016/11/30	ME	DS4	13:01	M	11.9	248.4	0.36	22.97	31.11	89.82	6.44	7.49	7.99	#REF!
2016/11/30	ME	DS4	13:02	T	1	215.4	0.86	23.15	31.12	91.51	6.54	5.39	7.98	#REF!
2016/11/30	ME	DS5	13:06	B	7	97.9	0.42	22.86	31.13	92.48	6.65	7.79	7.98	#REF!
2016/11/30	ME	DS5	13:07	M	4.5	90	0.21	22.98	31.11	91.28	6.55	7.59	7.97	#REF!
2016/11/30	ME	DS5	13:07	T	1	92.6	1.09	23.22	31.11	92.08	6.58	5.89	7.98	#REF!
2016/11/30	ME	DS5	13:08	B	7	358.3	0.54	22.9	31.11	90.48	6.5	9.99	7.97	#REF!