

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)
2016/12/23	ME	MW1	07:17	B	19.2	314.9	0.51	21.48	30.24	94.26	6.98	2.65	8.01	5.30
2016/12/23	ME	MW1	07:18	M	10.5	212.3	0.36	21.47	30.22	95.05	7.04	2.55	8.03	3.70
2016/12/23	ME	MW1	07:19	T	1	119.9	0.05	21.25	29.95	95.05	7.08	1.95	8.02	3.00
2016/12/23	ME	MW1	07:20	B	19.2	108.6	0.18	21.48	30.24	94.24	6.98	2.75	8.04	5.40
2016/12/23	ME	MW1	07:21	M	10.5	104.5	0.37	21.47	30.22	95.03	7.04	2.55	8.05	7.80
2016/12/23	ME	MW1	07:22	T	1.2	163.5	0.2	21.28	29.99	95.22	7.09	1.75	8.04	4.80
2016/12/23	ME	US2	08:42	B	7.9	45.9	0.35	21.23	28.36	98.27	7.39	3.24	8.04	8.00
2016/12/23	ME	US2	08:42	M	4.4	180.8	0.74	21.03	28.03	98.47	7.45	2.84	8.05	5.30
2016/12/23	ME	US2	08:43	T	1.1	287.6	0.13	20.92	27.6	100.44	7.63	3.84	8.05	4.20
2016/12/23	ME	US2	08:44	B	8.1	289.5	0.61	21.3	28.48	97.16	7.29	3.44	8.02	7.80
2016/12/23	ME	US2	08:45	M	5.1	162.9	0.03	21.01	27.98	98.64	7.46	2.65	8.04	5.40
2016/12/23	ME	US2	08:46	T	1.1	98.8	0.67	20.96	27.59	100.42	7.62	5.04	8.05	4.30
2016/12/23	ME	US1	08:51	B	7.9	259.5	0.09	21.32	28.59	97.11	7.28	3.54	8.02	12.60
2016/12/23	ME	US1	08:52	M	4.8	128.9	0.39	20.98	28.09	98.39	7.44	2.55	8.04	9.40
2016/12/23	ME	US1	08:52	T	1.1	45.1	0.29	20.86	27.82	99.97	7.59	2.35	8.04	6.50
2016/12/23	ME	US1	08:53	B	8	10.5	0.37	21.22	28.36	97.59	7.34	3.34	8.02	13.40
2016/12/23	ME	US1	08:54	M	4.9	79.6	0.53	21.01	28.13	98.37	7.44	2.65	8.03	9.40
2016/12/23	ME	US1	08:55	T	1	114.1	0.41	20.85	27.79	100.05	7.6	2.35	8.04	6.70
2016/12/23	ME	DS1	09:01	B	9.2	328.2	0.54	21.38	29.13	96.04	7.17	4.14	8.02	8.50
2016/12/23	ME	DS1	09:02	M	5.3	100.4	0.67	21.19	28.54	97.22	7.31	2.84	8.02	5.50
2016/12/23	ME	DS1	09:02	T	1	313.8	1.23	21.14	28.47	97.71	7.36	2.65	8.02	4.00
2016/12/23	ME	DS1	09:03	B	8.9	306.7	0.75	21.38	29.1	95.53	7.13	4.34	8.01	8.20
2016/12/23	ME	DS1	09:04	M	5.4	196.1	0.43	21.33	28.72	95.92	7.18	3.74	8.02	5.20
2016/12/23	ME	DS1	09:05	T	1.1	288.3	0.29	21.12	28.45	97.59	7.35	2.55	8.02	3.90
2016/12/23	ME	DS2	09:10	B	8	77.3	0.33	21.39	29.31	96.56	7.2	3.24	8.01	7.60
2016/12/23	ME	DS2	09:10	M	4.7	342.8	0.31	21.17	28.66	97.25	7.31	2.75	8.01	7.00
2016/12/23	ME	DS2	09:11	T	1.1	253.5	1.35	21.06	28.51	98.53	7.43	2.55	8.02	4.40
2016/12/23	ME	DS2	09:12	B	8.1	35.5	0.1	21.38	29.21	95.76	7.15	3.64	8	7.40
2016/12/23	ME	DS2	09:13	M	4.9	136.5	0.84	21.34	28.98	96.54	7.22	2.94	8.01	7.10
2016/12/23	ME	DS2	09:13	T	1.2	294.3	1.03	21.1	28.56	98.22	7.39	2.55	8.02	4.50
2016/12/23	ME	DS3	09:19	B	8.1	107.7	0.7	21.38	29.41	96.3	7.18	4.34	8.01	10.50
2016/12/23	ME	DS3	09:19	M	5.2	180.7	0.52	21.21	28.7	96.49	7.24	3.24	8.01	3.20
2016/12/23	ME	DS3	09:20	T	1.2	205.9	0.85	21.1	28.56	97.97	7.38	2.65	8.01	4.30
2016/12/23	ME	DS3	09:21	B	7.8	357.1	0.37	21.37	29.37	95.98	7.16	5.94	8	10.60
2016/12/23	ME	DS3	09:22	M	5	39.4	0.34	21.27	28.85	96.67	7.24	3.04	8.01	#REF!
2016/12/23	ME	DS3	09:22	T	0.9	42.7	0.53	21.1	28.55	97.95	7.37	2.65	8.01	#REF!
2016/12/23	ME	DS4	09:28	B	18	259.3	0.38	21.43	29.65	93.65	6.96	4.74	8	#REF!
2016/12/23	ME	DS4	09:29	M	10.1	315.2	0.18	21.4	29.63	94.54	7.03	3.14	8.01	#REF!
2016/12/23	ME	DS4	09:30	T	1	48.6	1.76	21.09	28.55	97.39	7.33	2.45	8.01	#REF!
2016/12/23	ME	DS4	09:35	B	18.1	177.8	0.23	21.43	29.66	93.51	6.95	4.04	7.99	#REF!
2016/12/23	ME	DS4	09:35	M	10.1	166.5	0.1	21.41	29.64	94.19	7.01	3.54	7.99	#REF!
2016/12/23	ME	DS4	09:36	T	1	352.7	0.23	21.03	28.49	97.54	7.36	2.45	8.01	#REF!
2016/12/23	ME	DS5	09:40	B	6.1	165.6	0.65	21.34	29.2	96.82	7.23	2.75	7.99	3.30
2016/12/23	ME	DS5	09:41	M	4	99.5	0.27	21.27	28.86	96.72	7.25	2.65	7.99	4.40
2016/12/23	MF	US2	13:57	B	8.1	297.7	0.63	21.23	28.7	101.57	7.62	5.54	8.06	7.80
2016/12/23	MF	US2	13:58	M	5.2	312.1	0.46	21.21	28.6	102.36	7.69	4.04	8.07	5.00
2016/12/23	MF	US2	13:59	T	0.9	337.4	0.48	21.31	27.99	109.85	8.27	2.35	8.1	3.90
2016/12/23	MF	US2	14:00	B	7.9	12.7	0.47	21.25	28.78	101.65	7.62	6.24	8.04	7.90
2016/12/23	MF	US2	14:00	M	5	18.5	1.05	21.23	28.75	101.25	7.6	3.34	8.05	4.90
2016/12/23	MF	US2	14:01	T	1.3	277.3	0.41	21.21	28.1	109.24	8.23	2.65	8.09	3.80
2016/12/23	MF	US1	14:06	B	8.9	278.6	0.07	21.22	28.71	100.02	7.51	6.14	8.04	#REF!
2016/12/23	MF	US1	14:07	M	5.6	2	0.47	21.12	28.36	103.51	7.8	3.44	8.06	#REF!
2016/12/23	MF	US1	14:08	T	1	261.3	0.79	21.31	27.95	111.1	8.36	1.95	8.1	#REF!
2016/12/23	MF	US1	14:09	B	9.1	275.5	0.52	21.26	28.83	101.01	7.57	4.14	8.04	#REF!
2016/12/23	MF	US1	14:09	M	5.6	280.9	0.66	21.14	28.42	102.11	7.69	3.74	8.06	#REF!
2016/12/23	MF	US1	14:10	T	1.3	154.1	0.17	21.3	28.01	109.29	8.22	2.25	8.1	#REF!
2016/12/23	MF	DS1	14:16	B	8.3	302.3	0.45	21.38	29.13	96.18	7.18	5.24	8.03	#REF!
2016/12/23	MF	DS1	14:17	M	4.7	316	0.37	21.19	28.51	97.18	7.31	4.24	8.05	#REF!

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2016/12/23	MF	DS1	14:18	T	1.3	1.7	0.37	21.16	27.8	110.64	8.36	2.65	8.12	#REF!
2016/12/23	MF	DS1	14:18	B	7.9	171.2	0.35	21.38	29.13	97.37	7.27	4.84	8.03	#REF!
2016/12/23	MF	DS1	14:19	M	5.2	244.5	0.74	21.34	28.96	96.27	7.2	3.84	8.03	#REF!
2016/12/23	MF	DS1	14:20	T	1	275.6	0.66	21.14	27.8	110.43	8.35	2.65	8.12	#REF!
2016/12/23	MF	DS2	14:24	B	7.8	47.2	0.11	21.36	28.96	97.34	7.28	9.23	8.03	#REF!
2016/12/23	MF	DS2	14:25	M	5	323.8	0.8	21.26	28.7	97.34	7.3	6.14	8.03	#REF!
2016/12/23	MF	DS2	14:26	T	1.1	290.8	0.91	21.21	27.82	109.2	8.24	2.84	8.11	#REF!
2016/12/23	MF	DS2	14:26	B	8.1	229.5	0.98	21.35	28.95	105.31	7.87	5.64	8.02	#REF!
2016/12/23	MF	DS2	14:27	M	5.1	257.4	1.34	21.26	28.67	98.22	7.37	3.84	8.04	#REF!
2016/12/23	MF	DS2	14:28	T	1.2	304.3	1.12	21.2	27.82	110.68	8.35	2.65	8.11	#REF!
2016/12/23	MF	DS3	14:33	B	7.8	238.3	0.34	21.27	28.65	96.9	7.27	6.24	8.03	#REF!
2016/12/23	MF	DS3	14:34	M	5.1	6.2	0.66	21.13	28.32	100.38	7.56	4.84	8.05	#REF!
2016/12/23	MF	DS3	14:35	T	1.3	86.1	0.71	21.26	27.73	113.14	8.53	2.45	8.12	#REF!
2016/12/23	MF	DS3	14:35	B	8	131.5	0.14	21.26	28.6	98.78	7.41	6.14	8.03	#REF!
2016/12/23	MF	DS3	14:36	M	4.9	328.8	0.64	21.14	28.35	99.77	7.52	5.64	8.05	#REF!
2016/12/23	MF	DS3	14:37	T	1	41	0.22	21.36	27.7	114.92	8.65	2.45	8.13	#REF!
2016/12/23	MF	DS4	14:42	B	8.1	67.3	0.38	21.18	28.32	99.64	7.5	6.44	8.06	#REF!
2016/12/23	MF	DS4	14:43	M	5	124.1	0.65	21.14	28.18	99.54	7.51	5.74	8.05	#REF!
2016/12/23	MF	DS4	14:44	T	1.1	301.1	0.47	21.29	27.74	113.19	8.53	2.75	8.12	#REF!
2016/12/23	MF	DS4	14:45	B	8	331.3	0.56	21.19	28.31	99.53	7.49	5.94	8.04	#REF!
2016/12/23	MF	DS4	14:45	M	4.9	76.2	0.42	21.09	28.13	100.82	7.61	4.94	8.05	#REF!
2016/12/23	MF	DS4	14:46	T	1.2	21	0.38	21.24	27.75	114.27	8.62	2.65	8.12	#REF!
2016/12/23	MF	DS5	14:51	B	8.2	333.1	0.81	21.16	28.62	99.8	7.5	8.93	8.07	#REF!
2016/12/23	MF	DS5	14:51	M	5.2	355.2	0.72	21.08	27.85	107.67	8.14	3.44	8.09	#REF!
2016/12/23	MF	DS5	14:52	T	1.2	320.8	0.76	21.41	27.62	116.13	8.74	3.24	8.14	#REF!
2016/12/23	MF	DS5	14:53	B	8	34.4	1.27	21.16	28.58	100.99	7.59	8.33	8.06	#REF!