

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)
2016/12/21	ME	MW1	06:49	B	19	62.9	0.66	21.34	30.08	96.9	7.2	3.04	7.99	7.00
2016/12/21	ME	MW1	06:50	M	10.2	294.2	0.19	21.33	30.06	97.7	7.26	2.65	8	6.00
2016/12/21	ME	MW1	06:50	T	1.1	67.9	0.49	21.22	29.88	99.49	7.42	2.15	8.01	4.10
2016/12/21	ME	MW1	06:52	B	19	129	0.24	21.34	30.07	96.89	7.2	2.84	8.01	7.30
2016/12/21	ME	MW1	06:53	M	10.7	52.2	0.45	21.32	30.03	97.69	7.26	2.84	8.02	5.90
2016/12/21	ME	MW1	06:54	T	1.1	40.4	0.78	21.2	29.83	99.78	7.44	2.15	8.03	5.90
2016/12/21	ME	US2	08:24	B	7	99.7	0.51	21.17	27.88	98.07	7.4	3.94	7.94	18.90
2016/12/21	ME	US2	08:25	M	4.5	180.5	0.57	21.19	27.58	98.66	7.46	3.64	7.93	11.40
2016/12/21	ME	US2	08:25	T	0.9	166.8	0.75	21.01	26.51	99.86	7.62	2.94	7.93	5.90
2016/12/21	ME	US2	08:26	B	7	84.3	0.15	21.17	27.95	98.16	7.41	3.64	7.94	18.70
2016/12/21	ME	US2	08:27	M	4.7	73.1	0.47	21.19	27.68	98.56	7.45	3.14	7.93	12.20
2016/12/21	ME	US2	08:28	T	1	143.1	1.25	21.07	26.7	99.65	7.59	3.84	7.92	6.20
2016/12/21	ME	US1	08:32	B	8.9	120.6	1.01	21.14	28.23	97.54	7.35	4.64	7.95	4.10
2016/12/21	ME	US1	08:33	M	5.7	110	0.31	21.18	27.55	98.53	7.45	3.14	7.93	7.80
2016/12/21	ME	US1	08:34	T	1.2	141.6	0.4	21.17	26.97	99.22	7.53	2.65	7.91	3.60
2016/12/21	ME	US1	08:35	B	9	329.7	0.19	21.16	27.97	97.92	7.39	3.94	7.93	4.20
2016/12/21	ME	US1	08:36	M	5.6	27.5	0.43	21.18	27.62	98.42	7.44	2.94	7.92	7.70
2016/12/21	ME	US1	08:36	T	1.3	159.2	0.69	21.16	26.93	99.31	7.54	2.75	7.91	3.60
2016/12/21	ME	DS1	08:41	B	7.1	56.5	0.49	21.15	27.73	98.59	7.45	3.74	7.93	8.80
2016/12/21	ME	DS1	08:42	M	4.7	73.1	0.63	21.16	27.57	98.59	7.46	3.14	7.93	5.20
2016/12/21	ME	DS1	08:42	T	1.1	165.1	0.92	21.14	27.16	99.48	7.55	2.65	7.92	8.80
2016/12/21	ME	DS1	08:43	B	7.1	71.4	0.63	21.15	27.81	98.38	7.43	3.64	7.93	8.50
2016/12/21	ME	DS1	08:44	M	4.5	103.8	0.91	21.16	27.56	98.68	7.46	3.04	7.92	4.90
2016/12/21	ME	DS1	08:44	T	1.2	353.6	0.32	21.16	27.25	99.47	7.54	2.75	7.92	9.40
2016/12/21	ME	DS2	08:49	B	7.1	172.5	0.38	21.15	28.04	98.36	7.42	4.64	7.93	7.00
2016/12/21	ME	DS2	08:49	M	4.6	163.9	0.48	21.15	27.8	98.46	7.44	4.14	7.92	5.50
2016/12/21	ME	DS2	08:50	T	1.1	328.5	0.68	21.07	26.88	99.74	7.59	3.04	7.91	7.30
2016/12/21	ME	DS2	08:50	B	7.1	111	0.99	21.15	27.94	98.35	7.42	4.84	7.92	6.90
2016/12/21	ME	DS2	08:51	M	4.5	104.4	0.6	21.16	27.67	98.55	7.45	4.04	7.92	5.60
2016/12/21	ME	DS2	08:52	T	1.1	113.5	0.58	21.16	27.38	99.24	7.51	2.94	7.91	7.70
2016/12/21	ME	DS3	08:56	B	7.1	345	0.15	21.04	28.43	98.22	7.41	5.44	7.95	13.40
2016/12/21	ME	DS3	08:57	M	4.6	251.1	0.49	21.16	27.8	98.52	7.44	4.34	7.92	4.30
2016/12/21	ME	DS3	08:58	T	1.1	170.4	0.2	21.14	27.24	100.01	7.58	2.94	7.92	6.20
2016/12/21	ME	DS3	08:58	B	7	289	0.53	21.05	28.33	98.21	7.41	4.74	7.95	12.60
2016/12/21	ME	DS3	08:59	M	4.5	97.6	0.38	21.16	27.8	98.51	7.44	3.94	7.92	#REF!
2016/12/21	ME	DS3	09:00	T	1	201.7	0.43	21.13	27.17	99.8	7.57	3.14	7.92	#REF!
2016/12/21	ME	DS4	09:05	B	19.9	231.6	0.29	21.07	28.21	97.09	7.33	5.54	7.93	#REF!
2016/12/21	ME	DS4	09:05	M	11.3	85.7	0.13	21.11	28.04	97.79	7.38	4.44	7.93	#REF!
2016/12/21	ME	DS4	09:06	T	1.2	218.8	0.79	21.15	27.26	99.57	7.55	3.14	7.91	#REF!
2016/12/21	ME	DS4	09:08	B	19.5	141.6	0.29	21.07	28.19	97.08	7.33	7.24	7.93	#REF!
2016/12/21	ME	DS4	09:09	M	11.2	222.2	0.13	21.12	27.96	97.77	7.38	4.64	7.92	#REF!
2016/12/21	ME	DS4	09:10	T	1.3	199.8	0.8	21.15	27.36	99.36	7.53	3.24	7.91	#REF!
2016/12/21	ME	DS5	09:13	B	6.1	143	0.24	21.05	28.34	98.44	7.43	4.64	7.94	6.50
2016/12/21	ME	DS5	09:14	M	4.1	74	0.24	21.14	27.79	98.94	7.48	4.04	7.92	7.00
2016/12/21	MF	US2	12:16	B	7.2	236.4	0.82	21.11	28.12	100.04	7.55	5.54	8.01	9.30
2016/12/21	MF	US2	12:17	M	4.4	86.6	0.29	21.18	27.88	100.74	7.6	4.04	8.01	5.30
2016/12/21	MF	US2	12:17	T	1.2	349.2	0.69	21.31	27.51	105.14	7.93	2.35	8.01	7.90
2016/12/21	MF	US2	12:18	B	6.9	276.5	0.53	21.1	28.21	100.64	7.59	5.04	8.01	9.10
2016/12/21	MF	US2	12:19	M	4.7	339.6	0.48	21.11	28.21	100.04	7.55	5.84	8.01	5.10
2016/12/21	MF	US2	12:19	T	0.8	58.3	0.35	21.32	27.49	104.93	7.92	2.45	8.01	7.70
2016/12/21	MF	US1	12:24	B	7.8	295.6	0.33	21.11	27.98	100.12	7.56	4.64	8.01	#REF!
2016/12/21	MF	US1	12:25	M	5.1	336.7	0.98	21.13	27.92	100.72	7.61	4.74	8.01	#REF!
2016/12/21	MF	US1	12:26	T	1.1	339.9	0.64	21.3	27.45	105.12	7.94	2.55	8.01	#REF!
2016/12/21	MF	US1	12:27	B	7.7	196.8	0.18	21.11	27.99	100.52	7.59	4.54	8.01	#REF!
2016/12/21	MF	US1	12:27	M	5.1	334.5	1.5	21.12	27.93	100.52	7.59	5.44	8.01	#REF!
2016/12/21	MF	US1	12:28	T	1.2	197	0.43	21.32	27.46	104.91	7.92	2.55	8.02	#REF!
2016/12/21	MF	DS1	12:33	B	8.2	295.5	0.46	21.18	29.17	97.9	7.33	11.93	8.02	#REF!
2016/12/21	MF	DS1	12:34	M	4.9	289.2	0.79	21.13	28.47	98	7.38	5.74	8.01	#REF!

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2016/12/21	MF	DS1	12:35	T	0.8	273	0.87	21.29	27.4	103.99	7.86	2.75	8.02	#REF!
2016/12/21	MF	DS1	12:36	B	8.1	350.9	0.36	21.18	29.16	97.8	7.33	10.53	8.02	#REF!
2016/12/21	MF	DS1	12:36	M	4.8	322.4	0.87	21.12	28.5	98.1	7.39	5.54	8.02	#REF!
2016/12/21	MF	DS1	12:37	T	1	331.1	0.47	21.27	27.43	104.69	7.91	2.84	8.03	#REF!
2016/12/21	MF	DS2	12:42	B	7	33.1	0.08	21.12	28.51	98.08	7.38	6.34	8.02	#REF!
2016/12/21	MF	DS2	12:43	M	4.5	301.3	0.6	21.12	28.13	99.18	7.48	5.84	8.02	#REF!
2016/12/21	MF	DS2	12:43	T	1	43.1	0.65	21.36	27.29	106.27	8.02	2.35	8.03	#REF!
2016/12/21	MF	DS2	12:44	B	7	162	0.2	21.12	28.54	99.08	7.46	6.84	8.02	#REF!
2016/12/21	MF	DS2	12:45	M	4.4	327.2	1.06	21.12	28.2	98.57	7.43	5.54	8.02	#REF!
2016/12/21	MF	DS2	12:46	T	1.2	326	1	21.34	27.34	105.66	7.98	2.55	8.02	#REF!
2016/12/21	MF	DS3	12:50	B	7.1	262	0.16	21.11	27.9	99.46	7.52	5.44	8.02	#REF!
2016/12/21	MF	DS3	12:51	M	4.3	245.3	0.35	21.17	27.63	101.26	7.66	3.94	8.01	#REF!
2016/12/21	MF	DS3	12:52	T	1.2	357	0.51	21.25	27.22	104.15	7.88	2.45	8.01	#REF!
2016/12/21	MF	DS3	12:52	B	7.2	342.6	0.12	21.11	27.89	99.56	7.52	5.64	8.01	#REF!
2016/12/21	MF	DS3	12:53	M	4.5	25.3	0.06	21.13	27.82	99.55	7.52	6.04	8	#REF!
2016/12/21	MF	DS3	12:54	T	1.3	245	0.46	21.22	27.45	102.65	7.76	3.24	8.01	#REF!
2016/12/21	MF	DS4	12:58	B	8.2	64.8	0.62	21.13	27.71	98.24	7.43	6.94	7.99	#REF!
2016/12/21	MF	DS4	12:58	M	5	356.5	0.44	21.19	27.1	100.74	7.64	3.84	7.99	#REF!
2016/12/21	MF	DS4	12:59	T	1.3	73.6	0.45	21.3	25.53	103.43	7.9	2.65	7.96	#REF!
2016/12/21	MF	DS4	13:00	B	8	199.6	0.11	21.13	27.71	98.64	7.46	6.44	7.99	#REF!
2016/12/21	MF	DS4	13:01	M	5	265.8	0.54	21.16	27.5	99.84	7.55	4.34	7.99	#REF!
2016/12/21	MF	DS4	13:01	T	1	280.8	0.15	21.28	25.61	103.73	7.92	2.55	7.97	#REF!
2016/12/21	MF	DS5	13:06	B	8.3	317.6	0.67	21.13	27.61	98.53	7.46	9.23	7.99	#REF!
2016/12/21	MF	DS5	13:06	M	5	272.4	0.12	21.15	27.43	99.12	7.51	7.24	7.99	#REF!
2016/12/21	MF	DS5	13:07	T	1.2	307	0.22	21.24	25.6	100.62	7.69	2.55	7.95	#REF!
2016/12/21	MF	DS5	13:08	B	8.1	13.3	0.73	21.13	27.64	98.62	7.46	6.94	7.99	#REF!