

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)
2016/11/21	MF	MW1	12:31	B	19	77.6	0.47	25.53	29.85	82.65	5.71	7.49	7.84	12.20
2016/11/21	MF	MW1	12:32	M	10.3	344.8	0.31	25.53	29.77	82.65	5.71	5.69	7.84	10.50
2016/11/21	MF	MW1	12:33	T	1	229.3	0.57	25.56	29.54	82.95	5.74	5.29	7.85	14.30
2016/11/21	MF	MW1	12:34	B	19	148.2	0.61	25.53	29.84	81.84	5.66	7.59	7.84	12.40
2016/11/21	MF	MW1	12:34	M	10.6	342.5	0.66	25.53	29.78	82.34	5.69	5.89	7.85	18.50
2016/11/21	MF	MW1	12:35	T	0.9	130.7	1.48	25.55	29.69	83.24	5.76	4.9	7.84	14.10
2016/11/21	MF	US2	14:02	B	5.9	41.5	0.35	25.68	28.67	89.65	6.22	18.48	7.81	10.20
2016/11/21	MF	US2	14:03	M	4	216.7	0.08	25.69	28.63	87.66	6.08	20.08	7.8	10.00
2016/11/21	MF	US2	14:04	T	0.9	293.1	0.29	25.73	28.59	88.65	6.15	17.48	7.8	9.90
2016/11/21	MF	US2	14:04	B	6	211.8	0.77	25.69	28.64	87.06	6.04	19.18	7.8	9.70
2016/11/21	MF	US2	14:05	M	4.1	286.8	0.76	25.72	28.61	87.85	6.09	17.08	7.8	9.80
2016/11/21	MF	US2	14:05	T	1.1	350.3	0.46	25.77	28.59	88.65	6.14	12.69	7.81	10.10
2016/11/21	MF	US1	14:10	B	6.9	225.9	0.89	25.7	28.61	89.34	6.2	12.89	7.8	8.80
2016/11/21	MF	US1	14:11	M	4.5	166.3	0.26	25.73	28.6	88.34	6.13	11.39	7.8	8.30
2016/11/21	MF	US1	14:11	T	0.9	207	1.84	25.79	28.53	88.74	6.15	8.99	7.8	10.60
2016/11/21	MF	US1	14:12	B	7.2	254.9	0.27	25.71	28.62	87.34	6.06	14.69	7.8	9.00
2016/11/21	MF	US1	14:13	M	4.6	301.2	0.77	25.71	28.62	87.54	6.07	13.79	7.8	8.00
2016/11/21	MF	US1	14:13	T	0.8	3.3	1.06	25.79	28.54	88.53	6.14	8.89	7.8	10.70
2016/11/21	MF	DS1	14:17	B	7.2	339.7	0.15	25.65	28.78	87.23	6.05	18.48	7.8	9.10
2016/11/21	MF	DS1	14:18	M	4.3	317.5	0.81	25.65	28.74	86.23	5.98	14.89	7.8	8.80
2016/11/21	MF	DS1	14:19	T	1	322.2	0.51	25.71	28.46	87.43	6.07	10.79	7.8	7.30
2016/11/21	MF	DS1	14:19	B	7.3	202	0.91	25.65	28.79	85.43	5.93	18.68	7.8	9.40
2016/11/21	MF	DS1	14:20	M	4.5	303	0.54	25.66	28.71	85.83	5.96	14.19	7.8	8.30
2016/11/21	MF	DS1	14:20	T	0.8	292.7	0.82	25.71	28.46	87.02	6.04	11.09	7.8	7.10
2016/11/21	MF	DS2	14:25	B	7.1	290.8	0.84	25.64	28.69	87.81	6.1	17.28	7.8	15.00
2016/11/21	MF	DS2	14:25	M	4.4	292.6	0.57	25.65	28.64	86.52	6.01	11.39	7.8	10.40
2016/11/21	MF	DS2	14:26	T	1	226.3	0.46	25.82	28.18	88.71	6.16	11.99	7.78	9.20
2016/11/21	MF	DS2	14:27	B	6.8	307	0.14	25.64	28.69	86.01	5.97	18.78	7.79	13.80
2016/11/21	MF	DS2	14:27	M	4.5	90.8	0.15	25.65	28.66	85.91	5.96	12.49	7.79	9.70
2016/11/21	MF	DS2	14:28	T	1.1	275.4	0.22	25.82	28.18	88.4	6.14	13.49	7.78	9.10
2016/11/21	MF	DS3	14:33	B	6.8	248.2	0.53	25.67	28.44	86.2	5.99	13.29	7.79	18.00
2016/11/21	MF	DS3	14:34	M	4.6	291.4	0.29	25.73	28.17	88.29	6.14	11.19	7.78	9.10
2016/11/21	MF	DS3	14:34	T	1	265	1.05	25.77	28.16	89.29	6.2	9.79	7.78	8.10
2016/11/21	MF	DS3	14:35	B	7.1	58.6	0.21	25.64	28.6	86.3	5.99	15.88	7.79	17.80
2016/11/21	MF	DS3	14:35	M	4.6	271.3	0.66	25.72	28.22	87.79	6.1	12.69	7.78	#REF!
2016/11/21	MF	DS3	14:36	T	0.9	7.9	0.26	25.77	28.17	89.08	6.19	10.69	7.78	#REF!
2016/11/21	MF	DS4	14:40	B	6.9	330.5	1.08	25.74	28.18	90.57	6.3	10.19	7.78	#REF!
2016/11/21	MF	DS4	14:41	M	4.6	314.7	0.28	25.75	28.16	89.67	6.23	9.29	7.78	#REF!
2016/11/21	MF	DS4	14:42	T	1	301.2	1.44	25.81	28.09	89.77	6.24	8.99	7.77	#REF!
2016/11/21	MF	DS4	14:42	B	7.1	26	0.67	25.73	28.2	89.27	6.21	13.39	7.78	#REF!
2016/11/21	MF	DS4	14:43	M	4.6	198.5	0.35	25.75	28.19	89.37	6.21	9.69	7.78	#REF!
2016/11/21	MF	DS4	14:43	T	1	227.7	0.96	25.83	28.1	89.67	6.23	8.49	7.77	#REF!
2016/11/21	MF	DS5	14:48	B	8.3	295.4	0.67	25.81	28.09	91.05	6.32	11.89	7.78	17.50
2016/11/21	MF	DS5	14:49	M	5	342.3	0.67	25.85	27.97	90.25	6.27	11.09	7.77	15.00
2016/11/21	ME	US2	18:27	B	8.3	351.4	0.42	25.67	28.92	90.31	6.26	8.79	7.82	11.40
2016/11/21	ME	US2	18:27	M	5	51.2	0.4	25.66	28.89	88.81	6.16	8.89	7.81	10.70
2016/11/21	ME	US2	18:28	T	0.8	121.7	0.53	25.73	28.48	90	6.25	6.69	7.81	7.30
2016/11/21	ME	US2	18:28	B	8.1	140.2	0.47	25.66	28.92	88.5	6.13	8.49	7.82	11.50
2016/11/21	ME	US2	18:29	M	5.2	83	0.86	25.66	28.91	88.3	6.12	8.39	7.82	10.80
2016/11/21	ME	US2	18:30	T	1	131.5	0.18	25.73	28.44	89.99	6.25	6.49	7.81	7.50
2016/11/21	ME	US1	18:34	B	8.1	166.1	0.32	25.63	29.04	86.76	6.01	14.19	7.81	#REF!
2016/11/21	ME	US1	18:34	M	5.3	59.5	0.5	25.6	28.91	86.06	5.97	9.69	7.82	#REF!
2016/11/21	ME	US1	18:35	T	0.9	325.2	0.2	25.59	28.9	86.96	6.04	7.89	7.82	#REF!
2016/11/21	ME	US1	18:36	B	8.1	138.7	0.33	25.63	29	85.26	5.91	9.69	7.81	#REF!
2016/11/21	ME	US1	18:36	M	4.9	29.3	0.6	25.6	28.92	85.85	5.96	8.69	7.82	#REF!
2016/11/21	ME	US1	18:37	T	1	97.4	0.66	25.59	28.9	86.74	6.02	7.69	7.82	#REF!
2016/11/21	ME	DS1	18:41	B	8	325.8	0.22	25.65	29.16	85.62	5.93	8.09	7.81	#REF!
2016/11/21	ME	DS1	18:42	M	5.1	205.2	0.17	25.65	29.08	84.42	5.85	7.89	7.81	#REF!

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2016/11/21	ME	DS1	18:42	T	1	320.1	0.29	25.63	28.94	86.7	6.01	7.39	7.82	#REF!
2016/11/21	ME	DS1	18:43	B	7.9	60.8	0.33	25.65	29.19	84.41	5.84	8.19	7.8	#REF!
2016/11/21	ME	DS1	18:43	M	5.2	13.8	0.32	25.62	28.97	84.6	5.87	8.19	7.81	#REF!
2016/11/21	ME	DS1	18:44	T	1	219.1	0.29	25.62	28.93	86.89	6.03	7.39	7.82	#REF!
2016/11/21	ME	DS2	18:48	B	8.2	263.2	0.28	25.65	29.03	88.34	6.12	7.09	7.82	#REF!
2016/11/21	ME	DS2	18:48	M	5	18.1	0.84	25.65	29.01	87.15	6.04	6.79	7.82	#REF!
2016/11/21	ME	DS2	18:49	T	1.1	84.5	0.76	25.65	29.01	87.34	6.05	6.39	7.82	#REF!
2016/11/21	ME	DS2	18:49	B	7.9	190.2	0.56	25.65	29.01	86.54	6	6.69	7.82	#REF!
2016/11/21	ME	DS2	18:50	M	5.2	149.9	0.35	25.64	29	86.64	6	6.89	7.82	#REF!
2016/11/21	ME	DS2	18:51	T	1	198	0.15	25.64	29	86.93	6.02	6.59	7.82	#REF!
2016/11/21	ME	DS3	18:55	B	6	200.7	0.29	25.62	29.22	86.9	6.02	6.89	7.82	#REF!
2016/11/21	ME	DS3	18:55	M	3.8	157.9	0.82	25.66	29.07	85.7	5.94	6.79	7.82	#REF!
2016/11/21	ME	DS3	18:55	T	1.1	300.9	1.13	25.66	29.03	86.89	6.02	6.19	7.82	#REF!
2016/11/21	ME	DS3	18:56	B	6	92.4	0.55	25.62	29.22	84.01	5.82	7.59	7.82	#REF!
2016/11/21	ME	DS3	18:57	M	4.2	37.7	0.39	25.66	29.07	85.29	5.91	6.89	7.82	#REF!
2016/11/21	ME	DS3	18:57	T	0.9	87.5	0.87	25.66	29.03	86.78	6.01	5.89	7.82	#REF!
2016/11/21	ME	DS4	19:01	B	7.2	115.1	0.42	25.6	29.22	86.55	5.99	9.99	7.8	#REF!
2016/11/21	ME	DS4	19:02	M	4.3	1.6	1.6	25.62	29.08	85.85	5.95	7.09	7.81	#REF!
2016/11/21	ME	DS4	19:02	T	1	171.6	0.67	25.61	29.05	86.44	5.99	6.09	7.81	#REF!
2016/11/21	ME	DS4	19:03	B	7.1	353.2	0.57	25.6	29.24	84.05	5.82	11.29	7.81	#REF!
2016/11/21	ME	DS4	19:03	M	4.5	356.9	0.33	25.62	29.09	84.94	5.89	7.19	7.81	#REF!
2016/11/21	ME	DS4	19:04	T	1	28.5	0.26	25.61	29.04	86.33	5.98	5.79	7.82	#REF!
2016/11/21	ME	DS5	19:08	B	7	89.2	0.36	25.56	29.57	85.4	5.91	14.49	7.82	#REF!
2016/11/21	ME	DS5	19:09	M	4.3	123.6	0.12	25.57	29.1	85.2	5.91	7.89	7.82	#REF!
2016/11/21	ME	DS5	19:09	T	0.9	8.8	0.53	25.59	29.08	86.29	5.98	6.39	7.82	#REF!
2016/11/21	ME	DS5	19:10	B	7.1	87.1	0.4	25.56	29.58	82.31	5.69	16.08	7.82	#REF!