

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)
2016/11/16	MF	MW1	07:14	B	18	282.9	0.64	25.41	30.5	83.38	5.75	25.17	7.91	26.20
2016/11/16	MF	MW1	07:16	M	10.2	68.8	0.54	25.41	30.46	83.97	5.79	22.08	7.91	28.40
2016/11/16	MF	MW1	07:18	T	1	358.8	0.33	25.41	30.42	84.77	5.85	18.58	7.91	26.60
2016/11/16	MF	MW1	07:21	B	17.8	303	0.47	25.41	30.52	84.07	5.8	22.68	7.92	27.70
2016/11/16	MF	MW1	07:22	M	10.2	339.4	0.12	25.41	30.44	84.36	5.82	20.58	7.92	12.10
2016/11/16	MF	MW1	07:23	T	0.9	59.8	0.49	25.4	30.42	84.96	5.87	15.58	7.92	26.00
2016/11/16	MF	US2	08:22	M	3.7	293.7	0.78	25.25	29.66	87.96	6.11	30.47	7.89	13.40
2016/11/16	MF	US2	08:23	T	0.8	289.9	1.34	25.25	29.66	88.26	6.14	29.77	7.89	20.70
2016/11/16	MF	US1	08:34	B	9	37.4	0.46	25.25	29.68	87.84	6.11	29.37	7.88	21.60
2016/11/16	MF	US1	08:34	M	5.1	295.5	0.68	25.25	29.69	87.94	6.11	30.67	7.88	13.70
2016/11/16	MF	US1	08:35	T	1.2	258.7	0.81	25.24	29.7	88.14	6.13	38.76	7.89	20.90
2016/11/16	MF	US1	08:36	B	8.6	243.5	0.58	25.24	29.69	87.64	6.09	36.86	7.88	13.70
2016/11/16	MF	US1	08:37	M	5.6	278.1	1.11	25.24	29.69	87.74	6.1	33.27	7.88	13.60
2016/11/16	MF	US1	08:37	T	0.8	240.8	0.67	25.25	29.68	88.04	6.12	29.67	7.88	21.20
2016/11/16	MF	DS1	08:46	B	7.4	340.2	1.05	25.25	29.69	87.63	6.09	39.06	7.88	12.80
2016/11/16	MF	DS1	08:47	M	4.7	268.6	1.41	25.24	29.71	88.02	6.12	37.86	7.88	12.80
2016/11/16	MF	DS1	08:48	T	1	296.1	0.5	25.24	29.69	88.32	6.14	32.17	7.88	25.40
2016/11/16	MF	DS1	08:50	B	7.5	251.6	1.03	25.24	29.7	88.62	6.16	40.66	7.88	28.20
2016/11/16	MF	DS1	08:51	M	5.4	267	0.68	25.24	29.7	88.12	6.12	35.46	7.87	11.80
2016/11/16	MF	DS1	08:51	T	1	296.8	0.65	25.24	29.68	88.22	6.13	32.57	7.87	27.20
2016/11/16	MF	DS2	08:57	B	8.2	324.3	0.47	25.31	29.65	87.11	6.05	44.26	7.85	26.40
2016/11/16	MF	DS2	08:57	M	4.9	35.8	0.44	25.31	29.66	86.81	6.03	40.86	7.85	11.70
2016/11/16	MF	DS2	08:58	T	0.9	292.7	0.46	25.32	29.63	87.01	6.04	26.67	7.85	19.30
2016/11/16	MF	DS2	09:01	B	8	337.3	0.72	25.31	29.67	86.4	6	40.66	7.85	28.40
2016/11/16	MF	DS2	09:01	M	4.9	250.1	0.26	25.31	29.67	86.5	6.01	40.16	7.85	11.50
2016/11/16	MF	DS2	09:02	T	0.9	309	1	25.29	29.69	86.9	6.04	38.06	7.85	19.30
2016/11/16	MF	DS3	09:08	B	7.8	335.8	0.54	25.32	29.66	87.19	6.05	51.35	7.85	28.60
2016/11/16	MF	DS3	09:09	M	5.1	354.8	0.45	25.31	29.68	86.99	6.04	39.36	7.85	11.70
2016/11/16	MF	DS3	09:09	T	1.3	295.3	0.43	25.31	29.68	86.99	6.04	34.17	7.85	20.40
2016/11/16	MF	DS3	09:10	B	8.3	247.8	0.19	25.31	29.69	86.59	6.01	62.84	7.85	20.00
2016/11/16	MF	DS3	09:11	M	4.8	292.7	0.49	25.31	29.7	86.89	6.03	47.35	7.85	9.10
2016/11/16	MF	DS3	09:12	T	0.9	272.5	0.19	25.32	29.7	87.58	6.08	29.37	7.85	20.80
2016/11/16	MF	DS4	09:19	B	8.1	334.3	0.68	25.28	29.65	88.37	6.14	70.83	7.85	20.00
2016/11/16	MF	DS4	09:20	M	5	217.4	0.29	25.29	29.68	87.67	6.09	52.45	7.85	8.50
2016/11/16	MF	DS4	09:21	T	1.1	317.6	0.97	25.3	29.68	87.87	6.1	40.96	7.85	#REF!
2016/11/16	MF	DS4	09:26	B	8.1	5.1	0.81	25.3	29.93	87.66	6.08	75.92	7.86	#REF!
2016/11/16	MF	DS4	09:27	M	5.4	357.3	0.79	25.3	29.96	87.86	6.09	51.95	7.86	#REF!
2016/11/16	MF	DS4	09:27	T	1.1	211.1	0.24	25.31	29.82	87.76	6.09	33.17	7.85	#REF!
2016/11/16	MF	DS5	09:32	B	8.3	289.6	0.44	25.28	29.33	87.65	6.1	45.85	7.82	#REF!
2016/11/16	MF	DS5	09:33	M	4.8	324.7	0.3	25.28	29.23	87.15	6.07	27.57	7.82	#REF!
2016/11/16	MF	DS5	09:33	T	0.9	353.5	0.42	25.29	28.68	86.25	6.02	15.58	7.79	#REF!
2016/11/16	MF	DS5	09:36	B	8.2	205.6	0.19	25.27	29.51	86.45	6.01	62.54	7.83	#REF!
2016/11/16	MF	DS5	09:37	M	4.8	324	0.55	25.28	29.28	86.74	6.04	26.47	7.82	24.60
2016/11/16	MF	DS5	09:38	T	1.1	340.4	0.42	25.29	28.7	85.95	6	18.68	7.79	19.10
2016/11/16	ME	US1	12:52	T	1.1	20.1	1.18	25.4	29.79	87.78	6.08	14.39	7.86	13.00
2016/11/16	ME	US1	12:53	B	8.2	221	0.25	25.33	29.85	87.38	6.06	15.38	7.87	16.30
2016/11/16	ME	US1	12:54	M	5	133.3	0.24	25.36	29.83	87.67	6.08	13.89	7.87	13.30
2016/11/16	ME	US1	12:55	T	1.3	69.5	1	25.43	29.81	88.17	6.1	13.29	7.87	13.40
2016/11/16	ME	DS1	13:00	B	7.9	99.9	0.59	25.39	30.1	87.97	6.08	18.48	7.87	24.60
2016/11/16	ME	DS1	13:01	M	5.1	101.6	1.58	25.36	29.96	86.87	6.02	13.89	7.87	30.60
2016/11/16	ME	DS1	13:02	T	1.3	342.6	0.48	25.47	29.86	88.56	6.13	10.29	7.87	#REF!
2016/11/16	ME	DS1	13:03	B	8.1	151.4	0.8	25.39	30.12	85.56	5.92	20.18	7.87	#REF!
2016/11/16	ME	DS1	13:03	M	5	58.4	0.52	25.36	29.9	86.56	6	12.69	7.87	#REF!
2016/11/16	ME	DS1	13:04	T	1	120.4	1.38	25.42	29.86	88.16	6.1	10.89	7.87	#REF!
2016/11/16	ME	DS2	13:10	B	8	90	0.58	25.4	30.27	86.26	5.96	23.58	7.87	#REF!
2016/11/16	ME	DS2	13:10	M	5.1	85.4	0.47	25.38	30.04	85.95	5.95	13.19	7.86	#REF!
2016/11/16	ME	DS2	13:11	T	0.9	61	0.61	25.47	29.89	88.85	6.14	9.39	7.86	#REF!
2016/11/16	ME	DS2	13:12	B	7.9	123.5	0.53	25.4	30.21	85.35	5.9	17.98	7.87	#REF!

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2016/11/16	ME	DS2	13:12	M	4.9	99.9	0.62	25.38	30	85.65	5.93	11.59	7.86	#REF!
2016/11/16	ME	DS2	13:13	T	0.9	52	0.64	25.45	29.89	88.55	6.13	9.59	7.87	#REF!
2016/11/16	ME	DS3	13:19	B	7.2	56.9	0.71	25.4	30.18	86.24	5.96	21.28	7.86	#REF!
2016/11/16	ME	DS3	13:19	M	4.4	29.5	0.23	25.38	30.01	85.94	5.95	11.59	7.86	#REF!
2016/11/16	ME	DS3	13:20	T	1	196.1	0.13	25.53	29.89	88.64	6.12	8.99	7.87	#REF!
2016/11/16	ME	DS3	13:21	B	7.1	116.2	1.05	25.39	30.1	85.64	5.92	14.09	7.86	#REF!
2016/11/16	ME	DS3	13:21	M	4.5	119.7	1.35	25.4	29.91	86.64	6	10.09	7.87	#REF!
2016/11/16	ME	DS3	13:22	T	1.1	122.4	0.8	25.56	29.88	89.14	6.16	8.49	7.87	#REF!
2016/11/16	ME	DS4	13:27	B	10.2	163	0.92	25.4	30.24	86.23	5.96	27.47	7.86	#REF!
2016/11/16	ME	DS4	13:28	M	6.1	77.4	0.76	25.39	30.18	84.83	5.87	24.98	7.86	#REF!
2016/11/16	ME	DS4	13:29	T	0.9	51	0.78	25.55	29.88	88.63	6.12	8.69	7.86	#REF!
2016/11/16	ME	DS4	13:36	B	9.8	135.9	0.86	25.39	30.2	85.32	5.9	20.58	7.86	#REF!
2016/11/16	ME	DS4	13:36	M	6.1	106.4	0.76	25.45	29.9	87.62	6.06	10.19	7.86	#REF!
2016/11/16	ME	DS4	13:37	T	1.2	103.9	0.58	25.57	29.88	89.12	6.15	8.19	7.86	#REF!
2016/11/16	ME	DS5	13:42	B	5.9	130.5	0.63	25.41	30.47	86.21	5.95	25.08	7.86	#REF!
2016/11/16	ME	DS5	13:43	M	4	107.1	0.36	25.39	30.15	85.51	5.91	20.58	7.86	#REF!
2016/11/16	ME	DS5	13:44	T	0.8	76.9	1.56	25.53	29.91	88.71	6.13	8.39	7.86	#REF!
2016/11/16	ME	DS5	13:45	B	5.9	127.8	1.03	25.41	30.43	83.81	5.78	28.67	7.86	#REF!
2016/11/16	ME	DS5	13:46	M	4.2	126.5	1.09	25.39	30.19	85.01	5.88	22.08	7.86	#REF!
2016/11/16	ME	DS5	13:46	T	1.3	82.5	0.93	25.52	29.95	87.41	6.04	11.29	7.86	#REF!
2016/11/16	ME	MW1	14:33	B	18.9	14.9	0.48	25.48	30.77	83.65	5.76	11.79	7.91	#REF!
2016/11/16	ME	MW1	14:33	M	10.6	289.6	0.33	25.48	30.77	83.45	5.74	9.59	7.89	#REF!
2016/11/16	ME	MW1	14:34	T	1	54.6	1.19	25.62	30.69	85.85	5.9	5.49	7.88	#REF!
2016/11/16	ME	MW1	14:35	B	18.8	91.1	0.42	25.45	30.79	82.35	5.67	11.69	7.85	#REF!
2016/11/16	ME	MW1	14:36	M	10.2	343.6	0.76	25.45	30.79	82.45	5.68	7.79	7.85	#REF!
2016/11/16	ME	MW1	14:37	T	1	88.6	1.26	25.67	30.69	84.95	5.83	5.99	7.86	#REF!