

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)
2016/11/18	MF	MW1	09:29	B	17.9	181.5	0.49	25.43	30.08	82.21	5.68	22.88	7.91	13.70
2016/11/18	MF	MW1	09:30	M	10.3	57.3	0.48	25.44	29.92	83.41	5.77	19.88	7.92	26.50
2016/11/18	MF	MW1	09:30	T	1.1	359.7	0.19	25.46	29.9	84.11	5.82	14.89	7.92	28.30
2016/11/18	MF	MW1	09:32	B	17.9	225.6	0.78	25.44	29.93	82.81	5.73	20.78	7.92	13.50
2016/11/18	MF	MW1	09:33	M	10.2	14.2	0.87	25.44	29.9	83.31	5.76	16.58	7.92	13.70
2016/11/18	MF	MW1	09:34	T	0.9	203.1	1.52	25.46	29.88	84.21	5.83	14.79	7.92	32.40
2016/11/18	MF	US2	10:28	M	4	298.8	1.38	25.42	29.16	86.44	6.01	32.67	7.89	15.40
2016/11/18	MF	US2	10:29	T	0.9	285.2	0.43	25.43	29.18	86.74	6.03	30.87	7.89	33.00
2016/11/18	MF	US1	10:36	B	8.9	256	0.49	25.44	28.98	87.85	6.11	27.67	7.87	23.80
2016/11/18	MF	US1	10:37	M	5.2	227	0.56	25.44	28.97	86.55	6.02	30.27	7.86	14.40
2016/11/18	MF	US1	10:37	T	1.3	235.6	0.67	25.43	28.98	86.15	5.99	32.27	7.86	27.60
2016/11/18	MF	US1	10:38	B	8.7	268.2	1.08	25.44	29.06	86.05	5.98	29.97	7.86	26.00
2016/11/18	MF	US1	10:39	M	5.8	209.9	0.31	25.47	29.1	86.15	5.98	26.87	7.87	15.80
2016/11/18	MF	US1	10:39	T	0.9	290.8	0.42	25.44	29.06	86.35	6	29.67	7.86	27.10
2016/11/18	MF	DS1	10:50	B	7.8	10.9	0.72	25.39	29.23	85.86	5.97	37.26	7.86	24.80
2016/11/18	MF	DS1	10:51	M	5.2	284.4	1.23	25.4	29.14	85.86	5.97	31.27	7.85	16.00
2016/11/18	MF	DS1	10:51	T	1.1	255.5	0.46	25.46	28.82	85.86	5.97	23.68	7.84	22.60
2016/11/18	MF	DS1	10:52	B	7.6	353.8	0.56	25.39	29.23	85.76	5.96	36.76	7.86	18.50
2016/11/18	MF	DS1	10:53	M	5.1	21.2	0.86	25.4	29.17	85.86	5.97	33.47	7.85	14.50
2016/11/18	MF	DS1	10:53	T	1.2	306.1	0.72	25.48	28.82	85.86	5.97	18.68	7.84	22.40
2016/11/18	MF	DS2	10:58	B	6.9	246.3	0.59	25.4	29.21	87.56	6.09	33.87	7.86	18.20
2016/11/18	MF	DS2	10:59	M	4.6	289.6	0.67	25.41	29.12	86.36	6	29.77	7.86	14.10
2016/11/18	MF	DS2	11:00	T	1	276.5	0.43	25.51	28.79	86.26	6	15.38	7.84	24.20
2016/11/18	MF	DS2	11:03	B	7.2	2.2	0.66	25.4	29.26	85.86	5.97	20.28	7.86	36.80
2016/11/18	MF	DS2	11:03	M	4.5	291.2	0.99	25.41	29.17	85.96	5.98	29.57	7.86	16.30
2016/11/18	MF	DS2	11:04	T	1	289.3	1.14	25.47	28.93	85.96	5.98	19.58	7.83	24.40
2016/11/18	MF	DS3	11:11	B	7.2	312	0.25	25.42	29.35	86.77	6.02	27.77	7.86	38.00
2016/11/18	MF	DS3	11:12	M	4.5	342.8	1.06	25.43	29.34	86.77	6.02	23.98	7.85	16.10
2016/11/18	MF	DS3	11:13	T	1	307.6	0.81	25.55	28.86	86.57	6.01	13.69	7.83	29.20
2016/11/18	MF	DS3	11:14	B	6.9	29.7	0.88	25.43	29.36	86.57	6.01	24.38	7.86	21.70
2016/11/18	MF	DS3	11:14	M	4.6	299.4	0.27	25.45	29.32	86.77	6.02	21.68	7.85	16.40
2016/11/18	MF	DS3	11:15	T	1.1	289.1	0.82	25.49	29.03	86.57	6.01	16.18	7.84	29.20
2016/11/18	MF	DS4	11:20	B	6.7	343.9	0.85	25.5	29	86.87	6.04	38.26	7.83	21.10
2016/11/18	MF	DS4	11:20	M	4.7	284.5	0.45	25.51	29.01	86.68	6.02	29.17	7.83	17.30
2016/11/18	MF	DS4	11:21	T	0.9	346.1	0.75	25.55	27.95	85.87	6	11.29	7.79	#REF!
2016/11/18	MF	DS4	11:22	B	7	21.7	0.7	25.48	29.04	86.08	5.98	36.06	7.83	#REF!
2016/11/18	MF	DS4	11:23	M	4.6	256.3	0.42	25.44	29.08	86.18	5.99	31.57	7.83	#REF!
2016/11/18	MF	DS4	11:23	T	1	38.5	1.36	25.55	27.9	85.68	5.98	12.19	7.79	#REF!
2016/11/18	MF	DS5	11:30	B	7.9	212.4	0.49	25.48	28.15	85.68	5.98	34.17	7.79	#REF!
2016/11/18	MF	DS5	11:31	M	4.7	332.3	0.31	25.46	27.95	84.88	5.94	22.58	7.78	#REF!
2016/11/18	MF	DS5	11:32	T	1.2	330.3	0.61	25.62	27.07	84.58	5.93	8.69	7.75	#REF!
2016/11/18	MF	DS5	11:35	B	7.5	307.4	0.6	25.52	28.42	84.78	5.91	32.87	7.79	#REF!
2016/11/18	MF	DS5	11:36	M	4.9	264.7	0.41	25.5	28.3	84.88	5.92	25.17	7.78	32.80
2016/11/18	MF	DS5	11:37	T	1.1	12.2	0.12	25.63	27.14	84.48	5.92	8.39	7.74	17.30
2016/11/18	ME	US1	14:20	T	1	16.4	0.98	25.77	28.33	87.23	6.06	8.39	7.82	10.30
2016/11/18	ME	US1	14:21	B	7.9	195.5	0.32	25.57	29.31	85.53	5.92	7.89	7.86	9.10
2016/11/18	ME	US1	14:22	M	5	33.7	0.45	25.67	28.9	86.13	5.97	8.79	7.85	10.20
2016/11/18	ME	US1	14:22	T	1.1	101	0.7	25.75	28.32	86.62	6.02	8.59	7.83	10.90
2016/11/18	ME	DS1	14:27	B	8	108.7	0.6	25.43	29.45	86.91	6.03	19.38	7.87	31.50
2016/11/18	ME	DS1	14:28	M	5.1	181.8	0.66	25.44	29.41	85.2	5.91	12.79	7.86	24.90
2016/11/18	ME	DS1	14:29	T	1.1	97.6	0.47	25.51	29.36	85.3	5.91	9.59	7.86	#REF!
2016/11/18	ME	DS1	14:29	B	8.1	7.3	0.41	25.43	29.46	84.7	5.88	18.08	7.86	#REF!
2016/11/18	ME	DS1	14:30	M	5	49.2	0.1	25.44	29.43	84.8	5.88	13.39	7.86	#REF!
2016/11/18	ME	DS1	14:31	T	1.2	97.5	0.05	25.52	29.36	85.19	5.9	8.99	7.86	#REF!
2016/11/18	ME	DS2	14:35	B	7	73.9	0.66	25.44	29.51	86.68	6.01	15.68	7.87	#REF!
2016/11/18	ME	DS2	14:36	M	4.6	88.8	0.39	25.45	29.47	85.18	5.91	14.19	7.87	#REF!
2016/11/18	ME	DS2	14:36	T	0.8	258.1	0.11	25.54	29.38	85.57	5.93	9.19	7.87	#REF!
2016/11/18	ME	DS2	14:37	B	7.1	55.6	0.21	25.44	29.51	84.57	5.86	15.68	7.87	#REF!

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2016/11/18	ME	DS2	14:38	M	4.4	114	0.25	25.46	29.46	84.67	5.87	13.99	7.87	#REF!
2016/11/18	ME	DS2	14:39	T	1	80.3	0.63	25.54	29.38	85.27	5.91	9.09	7.86	#REF!
2016/11/18	ME	DS3	14:43	B	7	82	0.55	25.43	29.49	84.55	5.86	24.48	7.87	#REF!
2016/11/18	ME	DS3	14:44	M	4.7	122.7	1.14	25.45	29.47	84.55	5.86	17.68	7.87	#REF!
2016/11/18	ME	DS3	14:45	T	1	202.4	0.55	25.59	29.37	86.14	5.96	8.09	7.86	#REF!
2016/11/18	ME	DS3	14:46	B	7	30.9	0.69	25.42	29.5	84.44	5.86	24.68	7.87	#REF!
2016/11/18	ME	DS3	14:47	M	4.6	24.8	0.21	25.47	29.47	84.14	5.83	13.69	7.86	#REF!
2016/11/18	ME	DS3	14:48	T	1	84.5	0.43	25.58	29.38	85.73	5.94	7.79	7.86	#REF!
2016/11/18	ME	DS4	14:52	B	8.2	162	0.46	25.46	29.72	83.42	5.78	16.48	7.86	#REF!
2016/11/18	ME	DS4	14:53	M	5	169.4	0.46	25.51	29.54	84.81	5.87	13.29	7.87	#REF!
2016/11/18	ME	DS4	14:54	T	1.1	116.6	1.19	25.58	29.47	86.51	5.99	8.79	7.87	#REF!
2016/11/18	ME	DS4	14:54	B	8	141.9	0.18	25.46	29.75	83.71	5.79	13.09	7.86	#REF!
2016/11/18	ME	DS4	14:55	M	5.1	80	0.77	25.53	29.51	85.01	5.89	10.89	7.87	#REF!
2016/11/18	ME	DS4	14:56	T	1.1	92.8	0.29	25.59	29.47	86.5	5.98	8.09	7.87	#REF!
2016/11/18	ME	DS5	15:00	B	5.7	190.7	1.34	25.45	29.75	85.09	5.89	15.28	7.87	#REF!
2016/11/18	ME	DS5	15:00	M	4.2	83.1	0.32	25.48	29.62	84.49	5.85	11.59	7.87	#REF!
2016/11/18	ME	DS5	15:01	T	1.2	132.4	0.14	25.55	29.5	85.78	5.94	8.99	7.87	#REF!
2016/11/18	ME	DS5	15:02	B	6	207.4	0.86	25.45	29.75	83.29	5.77	17.08	7.86	#REF!
2016/11/18	ME	DS5	15:02	M	3.8	163.4	0.56	25.48	29.62	83.98	5.82	12.39	7.86	#REF!
2016/11/18	ME	DS5	15:03	T	0.9	189.9	0.69	25.58	29.48	86.28	5.97	8.19	7.86	#REF!
2016/11/18	ME	MW1	15:49	B	19	89	0.41	25.52	30.28	84.41	5.82	9.79	7.81	#REF!
2016/11/18	ME	MW1	15:50	M	10.6	51.4	0.59	25.53	30.26	82.82	5.71	8.69	7.81	#REF!
2016/11/18	ME	MW1	15:51	T	1	80.9	0.68	25.55	30.14	82.72	5.7	7.09	7.82	#REF!
2016/11/18	ME	MW1	15:52	B	18.7	287.5	0.39	25.52	30.27	81.22	5.6	8.59	7.82	#REF!
2016/11/18	ME	MW1	15:53	M	10.8	127.9	0.18	25.53	30.25	81.32	5.61	8.99	7.82	#REF!
2016/11/18	ME	MW1	15:54	T	0.9	83.3	0.77	25.56	30.13	82.71	5.7	6.79	7.82	#REF!