

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)
2016/11/04	MF	MW1	09:30	B	18.2	39.4	0.57	26.33	27.99	92.82	6.39	6.97	7.92	8.20
2016/11/04	MF	MW1	09:31	M	10.1	87.4	0.48	26.33	28.63	92.78	6.37	5.88	7.92	10.40
2016/11/04	MF	MW1	09:32	T	0.9	182.1	0.41	26.32	26.45	92.77	6.45	5.5	7.92	10.20
2016/11/04	MF	MW1	09:33	B	18.3	241.3	0.06	26.33	25.95	92.6	6.45	6.87	7.92	7.90
2016/11/04	MF	MW1	09:34	M	10.1	66.7	0.25	26.33	26.37	92.56	6.43	7.74	7.92	7.00
2016/11/04	MF	MW1	09:34	T	0.9	78.1	0.46	26.33	24.93	92.76	6.5	4.65	7.92	6.60
2016/11/04	MF	US1	10:55	B	7.9	207.7	0.46	25.89	30.05	95.91	6.58	7.7	7.91	8.60
2016/11/04	MF	US1	10:56	M	5.1	248.5	0.31	25.88	30.04	95.73	6.57	7.4	7.91	10.20
2016/11/04	MF	US1	10:56	T	1	252	0.64	25.89	30.03	95.91	6.58	5.38	7.91	9.00
2016/11/04	MF	US1	10:57	B	7.6	316.7	1.01	25.91	30.08	95.47	6.55	9.43	7.91	8.90
2016/11/04	MF	US1	10:58	M	4.8	218	0.67	25.91	30.07	95.44	6.54	8.62	7.91	10.00
2016/11/04	MF	US1	10:58	T	1	279.4	0.81	25.9	30.05	95.64	6.56	6.54	7.91	9.20
2016/11/04	MF	US2	11:02	B	6.8	313	0.51	25.91	30.07	95.71	6.56	11.56	7.91	12.20
2016/11/04	MF	US2	11:03	M	4.3	324.6	0.76	25.89	30.06	95.53	6.55	7.77	7.91	11.10
2016/11/04	MF	US2	11:04	T	1.1	336.1	0.92	25.9	30.04	95.89	6.58	5.35	7.91	7.00
2016/11/04	MF	US2	11:05	B	7	335.6	0.75	25.9	30.07	95.37	6.54	7.69	7.91	11.90
2016/11/04	MF	US2	11:05	M	4.2	298	0.52	25.9	30.07	95.18	6.53	8.63	7.9	10.80
2016/11/04	MF	US2	11:06	T	1.1	78.1	0.95	25.92	30.07	95.44	6.54	5.8	7.9	7.20
2016/11/04	MF	DS1	11:13	B	6.8	335.8	0.49	25.84	30.01	96.42	6.62	5.38	7.93	7.40
2016/11/04	MF	DS1	11:14	M	4.4	324	0.84	25.84	30	96.21	6.61	5.32	7.92	5.20
2016/11/04	MF	DS1	11:15	T	0.9	36.1	0.44	25.85	30	96.31	6.61	4.59	7.92	7.10
2016/11/04	MF	DS1	11:15	B	7	142	0.31	25.84	30.01	95.79	6.58	6.63	7.92	7.50
2016/11/04	MF	DS1	11:16	M	4.7	237.8	0.24	25.84	30.01	95.8	6.58	6.39	7.92	4.90
2016/11/04	MF	DS1	11:17	T	1.2	292	0.37	25.86	30	96.1	6.6	4.11	7.92	7.40
2016/11/04	MF	DS2	11:21	B	7	240.5	0.65	25.81	29.99	96.58	6.64	5.33	7.91	10.00
2016/11/04	MF	DS2	11:22	M	4.6	251.2	0.9	25.83	30	96.55	6.63	4.73	7.92	8.40
2016/11/04	MF	DS2	11:23	T	1	72.7	0.4	25.86	30	96.85	6.65	4.45	7.91	5.20
2016/11/04	MF	DS2	11:23	B	6.8	314	0.42	25.82	30	96.14	6.61	5.94	7.91	10.20
2016/11/04	MF	DS2	11:24	M	4.4	328.8	0.93	25.82	30	96.11	6.6	5.78	7.91	8.00
2016/11/04	MF	DS2	11:24	T	1	355.3	0.38	25.87	30	96.77	6.64	4.23	7.91	5.20
2016/11/04	MF	DS3	11:29	B	6.7	349.3	0.28	25.72	30	97.35	6.7	5.98	7.91	9.70
2016/11/04	MF	DS3	11:29	M	4.3	223.6	0.22	25.77	30	96.87	6.66	4.8	7.92	8.30
2016/11/04	MF	DS3	11:30	T	1.1	326.3	0.32	25.86	30	97.44	6.69	3.69	7.92	4.70
2016/11/04	MF	DS3	11:31	B	6.9	47.8	0.24	25.74	30	96.61	6.65	5.69	7.91	9.40
2016/11/04	MF	DS3	11:32	M	4.6	189.8	0.45	25.82	30	96.89	6.66	4.1	7.91	8.10
2016/11/04	MF	DS3	11:32	T	0.9	344.8	1.15	25.88	30	97.36	6.68	3.61	7.91	4.50
2016/11/04	MF	DS4	11:36	B	6.8	285.6	0.37	25.66	29.93	96.93	6.68	12.58	7.91	15.00
2016/11/04	MF	DS4	11:37	M	4.8	319.4	0.61	25.66	29.93	96.38	6.64	7.18	7.92	11.50
2016/11/04	MF	DS4	11:38	T	0.9	0.3	0.21	25.83	29.95	97.85	6.72	4.4	7.92	7.80
2016/11/04	MF	DS4	11:38	B	7.1	336.1	0.08	25.65	29.93	96.06	6.62	10.32	7.91	14.80
2016/11/04	MF	DS4	11:39	M	4.5	256	0.54	25.67	29.93	96.18	6.63	7.51	7.91	11.40
2016/11/04	MF	DS4	11:39	T	1.2	9.4	0.45	25.87	29.95	97.92	6.72	4.29	7.92	8.00
2016/11/04	MF	DS5	11:46	B	6.8	348.7	0.65	25.7	29.91	96.51	6.65	6.54	7.91	9.10
2016/11/04	MF	DS5	11:47	M	4.5	301	0.44	25.81	29.63	96.83	6.67	3.97	7.9	5.00
2016/11/04	ME	US2	14:10	B	7	90.2	0.72	25.7	29.95	95.66	6.59	4.56	7.95	7.90
2016/11/04	ME	US2	14:11	M	4.4	40.7	0.34	25.75	29.93	95.92	6.6	4.54	7.95	8.20
2016/11/04	ME	US2	14:12	T	1	230.6	0.59	25.8	29.92	96.64	6.65	4.61	7.94	5.60
2016/11/04	ME	US2	14:13	B	7	114	0.18	25.75	29.99	95.94	6.6	3.86	7.94	8.20
2016/11/04	ME	US2	14:13	M	4.4	32.6	0.26	25.72	29.94	95.58	6.58	4.7	7.94	8.00
2016/11/04	ME	US2	14:14	T	1.1	109	0.73	25.84	29.93	96.82	6.65	4.28	7.94	6.10
2016/11/04	ME	US1	14:19	B	8.1	77.7	0.4	25.9	30.09	95.26	6.53	5.79	7.93	#REF!
2016/11/04	ME	US1	14:20	M	5.1	46.4	0.95	25.75	30.01	95.22	6.55	5.03	7.94	#REF!
2016/11/04	ME	US1	14:20	T	1.1	237.1	0.14	25.96	29.98	98.4	6.75	3.45	7.95	#REF!
2016/11/04	ME	US1	14:21	B	8.1	350.5	0.91	25.89	30.1	95.14	6.53	5.6	7.94	#REF!
2016/11/04	ME	US1	14:22	M	4.9	139.4	0.25	25.76	30.01	95.32	6.56	4.57	7.94	#REF!
2016/11/04	ME	US1	14:22	T	0.9	111.6	0.92	25.96	29.98	98.16	6.73	3.46	7.95	#REF!
2016/11/04	ME	DS1	14:27	B	8.1	143.2	0.23	25.98	30.15	94.95	6.5	5.25	7.92	#REF!
2016/11/04	ME	DS1	14:27	M	4.9	173.2	0.21	25.96	30.13	94.77	6.49	7.44	7.93	#REF!

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2016/11/04	ME	DS1	14:28	T	0.9	110.3	0.9	25.97	30.1	95.25	6.52	5.71	7.93	#REF!
2016/11/04	ME	DS1	14:29	B	8.1	68.6	0.38	25.98	30.15	94.5	6.47	6.38	7.92	#REF!
2016/11/04	ME	DS1	14:30	M	5.1	127.9	0.36	25.98	30.14	94.47	6.47	6.61	7.92	#REF!
2016/11/04	ME	DS1	14:30	T	1	110.4	0.97	25.99	30.11	95.4	6.53	5.67	7.93	#REF!
2016/11/04	ME	DS2	14:36	B	8.1	176.4	0.22	26.11	30.3	94.38	6.44	10.43	7.92	#REF!
2016/11/04	ME	DS2	14:36	M	4.9	35.1	0.28	26.06	30.23	94.01	6.42	6.48	7.93	#REF!
2016/11/04	ME	DS2	14:36	T	0.8	266.5	0.35	26.14	30.13	96.38	6.58	4.64	7.93	#REF!
2016/11/04	ME	DS2	14:37	B	8	38.2	0.2	26.08	30.26	93.81	6.41	7.52	7.93	#REF!
2016/11/04	ME	DS2	14:38	M	5	11.8	0.28	26.04	30.21	93.95	6.42	5.17	7.93	#REF!
2016/11/04	ME	DS2	14:38	T	1.2	37.2	1.14	26.16	30.14	97.34	6.64	3.93	7.93	#REF!
2016/11/04	ME	DS3	14:43	B	6	257.4	0.24	26.36	30.51	93.5	6.35	4.78	7.91	#REF!
2016/11/04	ME	DS3	14:43	M	4	112.3	0.77	26.25	30.35	94.43	6.43	4.82	7.92	#REF!
2016/11/04	ME	DS3	14:44	T	1	76.2	1.4	26.06	30.17	95.52	6.53	4.94	7.92	#REF!
2016/11/04	ME	DS3	14:45	B	6.1	192.7	0.58	26.37	30.49	93.54	6.35	3.59	7.91	#REF!
2016/11/04	ME	DS3	14:45	M	3.8	122.9	0.41	26.17	30.29	94.57	6.45	4.16	7.92	#REF!
2016/11/04	ME	DS3	14:46	T	0.9	14.4	0.74	26.05	30.15	95.75	6.55	4.85	7.92	#REF!
2016/11/04	ME	DS4	14:54	B	20.2	257.3	0.38	26.38	30.62	90.4	6.13	7.47	7.9	#REF!
2016/11/04	ME	DS4	14:55	M	11	209.9	0.2	26.3	30.46	92.18	6.27	3.94	7.91	#REF!
2016/11/04	ME	DS4	14:56	T	0.9	18.3	0.97	26.35	30.41	94.78	6.44	2.97	7.91	#REF!
2016/11/04	ME	DS4	14:59	B	20	154.4	0.34	26.38	30.62	90.48	6.14	7.34	7.89	#REF!
2016/11/04	ME	DS4	15:00	M	11.1	117.7	0.39	26.36	30.44	93.63	6.36	3.03	7.9	#REF!
2016/11/04	ME	DS4	15:01	T	1.1	92.4	0.38	26.21	30.25	96.1	6.55	3.32	7.91	#REF!
2016/11/04	ME	DS5	15:06	B	5.9	139.4	0.63	26.35	30.57	92.05	6.25	5.46	7.89	#REF!
2016/11/04	ME	DS5	15:06	M	3.9	224.9	0.38	26.34	30.54	91.86	6.24	4.65	7.9	#REF!
2016/11/04	ME	DS5	15:07	T	0.9	64.9	0.34	26.31	30.34	95.47	6.49	2.83	7.91	#REF!
2016/11/04	ME	DS5	15:07	B	6.1	133.1	0.53	26.36	30.58	91.38	6.2	5.5	7.9	#REF!