

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)
2016/02/22	ME	MW1	0.490694	B	19.1	66.6	0.54	15.84	30.55	90.86	7.47	3.12	8.09	6.00
2016/02/22	ME	MW1	0.491273	M	10.7	60.9	0.62	15.85	30.54	91.07	7.49	2.92	8.07	4.70
2016/02/22	ME	MW1	0.491863	T	1.3	151.7	0.29	15.85	30.54	91.47	7.52	3.02	8.06	5.30
2016/02/22	ME	MW1	0.49265	B	18.8	47.1	0.6	15.84	30.53	90.58	7.45	7.53	8.06	5.70
2016/02/22	ME	MW1	0.493403	M	10.8	104.8	0.94	15.85	30.53	91.09	7.49	2.72	8.06	4.60
2016/02/22	ME	MW1	0.49397	T	1.2	11.3	0.49	15.86	30.52	91.6	7.53	2.52	8.06	5.10
2016/02/22	ME	US2	0.551794	B	8.8	103.7	0.72	15.71	29.49	95.52	7.92	4.82	8.09	6.20
2016/02/22	ME	US2	0.552315	M	5.6	139.8	0.71	15.7	29.37	95.32	7.92	4.32	8.09	7.30
2016/02/22	ME	US2	0.552789	T	0.8	115.8	0.38	15.89	28.52	96.54	8.03	4.02	8.1	7.30
2016/02/22	ME	US2	0.553322	B	9	89.7	1.01	15.71	29.51	95.33	7.91	4.72	8.08	6.00
2016/02/22	ME	US2	0.553796	M	5	93.2	0.76	15.73	29.22	95.54	7.94	4.32	8.09	7.20
2016/02/22	ME	US2	0.554248	T	1	79.5	0.67	15.9	28.47	96.56	8.03	4.22	8.09	7.20
2016/02/22	ME	US1	0.557604	B	11.2	157.6	0.12	15.73	29.5	95.59	7.93	5.02	8.08	4.90
2016/02/22	ME	US1	0.558183	M	6.6	86.2	1.11	15.73	29.46	95.5	7.92	4.32	8.08	6.60
2016/02/22	ME	US1	0.558692	T	0.9	98.5	1.23	15.86	28.69	96.72	8.04	3.82	8.09	7.30
2016/02/22	ME	US1	0.559282	B	10.8	77.5	0.37	15.73	29.48	95.41	7.91	4.32	8.09	5.20
2016/02/22	ME	US1	0.559988	M	6.3	145.8	0.97	15.78	29.04	95.92	7.97	3.92	8.09	6.40
2016/02/22	ME	US1	0.560683	T	1.1	129.4	0.42	15.94	27.92	96.34	8.03	3.72	8.09	7.50
2016/02/22	ME	DS1	0.563704	B	8.2	260.9	0.23	15.77	29.31	96.37	7.99	6.02	8.08	10.20
2016/02/22	ME	DS1	0.564225	M	4.8	17.6	0.34	15.82	28.9	96.38	8.01	4.82	8.08	6.70
2016/02/22	ME	DS1	0.564583	T	1.2	164.6	1.46	15.9	28.35	96.69	8.05	4.02	8.08	5.20
2016/02/22	ME	DS1	0.565185	B	8.2	38.8	0.61	15.77	29.3	95.89	7.95	5.32	8.07	10.40
2016/02/22	ME	DS1	0.565556	M	5.1	290.3	0.1	15.81	28.96	95.99	7.97	5.02	8.08	6.20
2016/02/22	ME	DS1	0.566053	T	0.9	149.4	1.22	15.93	28.04	96.4	8.03	3.92	8.08	5.20
2016/02/22	ME	DS2	0.569086	B	7	25.8	0.75	15.77	29.36	96.34	7.99	4.92	8.07	6.80
2016/02/22	ME	DS2	0.569468	M	4.3	90.7	0.48	15.79	29.16	96.14	7.98	4.42	8.08	5.60
2016/02/22	ME	DS2	0.570174	T	1.2	90.9	1.25	15.84	28.85	96.76	8.04	4.12	8.08	8.60
2016/02/22	ME	DS2	0.570729	B	6.8	157.8	0.71	15.78	29.34	95.85	7.95	4.62	8.08	6.90
2016/02/22	ME	DS2	0.571053	M	4.6	84.4	0.69	15.79	29.18	95.96	7.96	4.32	8.08	5.20
2016/02/22	ME	DS2	0.571505	T	0.8	95.6	0.26	15.87	28.63	96.77	8.05	4.52	8.08	8.60
2016/02/22	ME	DS3	0.574606	B	5.8	48.8	0.71	15.77	29.37	96.31	7.99	4.82	8.08	6.70
2016/02/22	ME	DS3	0.575035	M	3.9	85.9	0.54	15.79	29.26	96.21	7.98	4.32	8.08	6.20
2016/02/22	ME	DS3	0.575428	T	1.1	86.1	0.49	15.81	29.12	96.62	8.02	4.12	8.07	6.00
2016/02/22	ME	DS3	0.575926	B	5.9	91.3	0.68	15.77	29.38	96.12	7.97	9.23	8.07	6.40
2016/02/22	ME	DS3	0.576262	M	3.9	57.9	0.7	15.79	29.25	96.13	7.97	4.82	8.08	6.30
2016/02/22	ME	DS3	0.576759	T	1	73.6	0.52	15.82	29.09	96.74	8.03	4.02	8.07	6.20
2016/02/22	ME	DS4	0.580174	B	5.1	48.8	1.08	15.76	29.42	96.78	8.02	4.12	8.07	5.80
2016/02/22	ME	DS4	0.580567	M	3.5	78.3	0.58	15.77	29.38	96.48	8	4.12	8.08	10.60
2016/02/22	ME	DS4	0.580984	T	1.3	96.9	0.75	15.8	29.27	96.69	8.02	4.02	8.08	6.80
2016/02/22	ME	DS4	0.581481	B	4.9	70.5	0.67	15.76	29.41	96.19	7.98	4.52	8.08	5.90
2016/02/22	ME	DS4	0.581898	M	3.4	85.4	0.67	15.77	29.39	96.3	7.98	4.22	8.08	10.40
2016/02/22	ME	DS4	0.582523	T	1.3	78.4	1.05	15.79	29.32	96.61	8.01	4.12	8.08	6.60
2016/02/22	ME	DS5	0.585729	B	5.9	109.6	0.38	15.79	29.32	97.36	8.07	6.12	8.08	5.70
2016/02/22	ME	DS5	0.586192	M	4.2	47.8	0.22	15.78	29.41	97.26	8.06	5.32	8.08	7.80
2016/02/22	MF	DS1	0.709873	B	10.1	311.9	0.19	15.76	29.08	95.63	7.95	15.24	8.02	11.70
2016/02/22	MF	DS1	0.710394	M	6	243.3	0.15	15.77	28.91	95.43	7.94	18.65	8.03	11.60
2016/02/22	MF	DS1	0.710891	T	1.1	282.1	0.27	15.86	28.39	95.73	7.97	4.82	8.02	5.60
2016/02/22	MF	DS1	0.711435	B	10.1	1.5	0.31	15.75	29.26	95.23	7.91	11.23	8.02	11.20
2016/02/22	MF	DS1	0.711898	M	6.1	282.9	1.02	15.77	28.94	95.43	7.93	9.03	8.03	12.30
2016/02/22	MF	DS1	0.712292	T	1.2	246	0.23	15.85	28.41	95.73	7.97	4.92	8.02	5.50
2016/02/22	MF	DS2	0.715104	B	9.1	304.6	0.57	15.78	28.79	96.04	7.99	8.23	8.02	18.80
2016/02/22	MF	DS2	0.715718	M	5.6	231.3	0.5	15.83	28.47	95.64	7.96	12.34	8.02	10.50
2016/02/22	MF	DS2	0.716262	T	1.2	309.6	0.42	15.88	28.35	95.74	7.97	3.92	8.02	7.30
2016/02/22	MF	DS2	0.716852	B	9.2	254.8	0.62	15.77	28.82	95.44	7.94	9.63	8.02	19.10
2016/02/22	MF	DS2	0.717396	M	5.6	297.4	0.93	15.82	28.48	95.54	7.96	7.93	8.03	10.60
2016/02/22	MF	DS2	0.717905	T	1.1	154.7	0.78	15.89	28.35	95.84	7.98	3.92	8.02	7.80
2016/02/22	MF	DS3	0.721713	B	23.8	302.1	0.13	15.72	29.3	94.45	7.84	5.82	8.01	8.90
2016/02/22	MF	DS3	0.722407	M	13.8	264.6	0.86	15.86	28.49	94.85	7.89	5.02	8.01	9.70

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2016/02/22	MF	DS3	0.72309	T	1.3	235.7	0.1	15.9	28.31	95.55	7.95	3.82	8.01	6.80
2016/02/22	MF	DS3	0.724086	B	21.3	0.4	0.76	15.73	29.27	94.35	7.83	5.42	8.02	8.90
2016/02/22	MF	DS3	0.72463	M	13.3	256.7	0.65	15.84	28.54	94.85	7.89	6.42	8.01	8.90
2016/02/22	MF	DS3	0.725289	T	1.2	348.3	0.59	15.89	28.31	95.55	7.96	4.12	8.01	6.70
2016/02/22	MF	DS4	0.728576	B	8.8	275.6	0.65	15.85	28.67	95.26	7.92	6.52	8	10.10
2016/02/22	MF	DS4	0.729039	M	5.7	341.7	0.84	15.89	28.39	95.36	7.94	4.02	8.01	7.90
2016/02/22	MF	DS4	0.729549	T	1.1	344.2	0.26	15.9	28.36	95.66	7.96	3.32	8.01	6.30
2016/02/22	MF	DS4	0.730069	B	8.9	293.2	0.63	15.86	28.67	94.96	7.89	6.52	8.01	10.10
2016/02/22	MF	DS4	0.730509	M	5.4	239.6	0.33	15.89	28.38	95.26	7.93	3.92	8.01	8.50
2016/02/22	MF	DS4	0.730995	T	1.3	91.6	0.07	15.89	28.37	95.86	7.98	3.52	8.01	6.20
2016/02/22	MF	DS5	0.734363	B	9	289.3	0.76	15.86	28.47	95.67	7.96	8.33	8	4.40
2016/02/22	MF	DS5	0.735093	M	5.6	184.1	0.18	15.91	28.35	95.37	7.94	3.92	8	3.40
2016/02/22	MF	DS5	0.735625	T	1.1	264.4	0.45	15.92	28.31	95.77	7.97	3.72	8	4.30
2016/02/22	MF	DS5	0.736157	B	9	229.8	0.43	15.87	28.45	94.97	7.9	8.73	8	4.40
2016/02/22	MF	DS5	0.736655	M	5.4	281.1	0.53	15.9	28.37	95.27	7.93	4.52	8	3.50
2016/02/22	MF	DS5	0.737083	T	1.2	335	0.82	15.92	28.28	95.67	7.96	3.52	8	4.20
2016/02/22	MF	US1	0.746944	B	7.9	263.9	0.51	15.78	28.94	96.49	8.02	7.22	8	8.70
2016/02/22	MF	US1	0.747442	M	5.7	273.6	0.86	15.77	28.95	96.59	8.03	7.93	8.01	9.40
2016/02/22	MF	US1	0.74794	T	1.2	335	0.24	15.81	28.73	96.59	8.03	4.12	8.01	6.50
2016/02/22	MF	US1	0.748449	B	7.9	340.3	0.87	15.77	29	96.29	8	8.23	8.02	9.30
2016/02/22	MF	US1	0.748854	M	5.2	258.4	0.26	15.77	28.98	96.59	8.03	6.32	8.01	9.40
2016/02/22	MF	US1	0.74934	T	1.2	267.7	1.03	15.82	28.67	96.59	8.04	3.62	8.01	6.20
2016/02/22	MF	US2	0.753067	B	7.2	348.6	0.28	15.82	29	96.2	7.99	8.13	8.01	7.70
2016/02/22	MF	US2	0.753565	M	4.7	189.4	0.64	15.82	28.98	96.4	8	7.63	8.01	6.20
2016/02/22	MF	US2	0.754097	T	1.5	276.7	1.41	15.82	28.89	96.5	8.02	4.32	8.01	4.40
2016/02/22	MF	US2	0.75456	B	7.2	268.6	1.1	15.82	29.05	96.2	7.98	6.82	8.02	7.60
2016/02/22	MF	US2	0.755035	M	4.7	290.9	0.61	15.82	29.04	96.3	7.99	6.32	8.02	5.80
2016/02/22	MF	US2	0.755521	T	1.2	248.4	0.2	15.82	28.96	96.5	8.01	5.62	8.02	4.50
2016/02/22	MF	MW1	0.794572	B	17.5	58.8	0.5	15.88	30.35	92.76	7.63	2.82	8.01	11.60
2016/02/22	MF	MW1	0.795255	M	10.3	164.6	0.36	15.88	30.32	92.86	7.64	2.52	8.01	5.10
2016/02/22	MF	MW1	0.795787	T	1.3	60.9	0.32	15.88	30.28	93.47	7.69	2.42	8.01	4.70
2016/02/22	MF	MW1	0.796678	B	18	350.5	0.24	15.88	30.33	92.37	7.6	2.82	8	11.00
2016/02/22	MF	MW1	0.797164	M	10.2	283.1	0.38	15.88	30.31	92.57	7.62	2.92	8.01	4.90
2016/02/22	MF	MW1	0.797743	T	1.3	71.8	1.05	15.88	30.28	93.27	7.67	2.52	8	4.70