

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)
2016/10/17	MF	DS	06:14	M	13	224.3	0.5	27.55	32.11	92.18	6.08	10.13	7.55	0.00
2016/10/17	MF	DS	06:15	M	13.1	318.4	0.25	27.55	32.12	92.14	6.08	10.27	7.56	0.00
2016/10/17	MF	US	06:19	M	10.4	263.7	1.04	27.56	32.27	92.27	6.08	12.69	7.57	0.00
2016/10/17	MF	US	06:20	M	9.9	261.2	0.65	27.57	32.28	92.04	6.06	11.84	7.57	0.00
2016/10/17	MF	US2	06:25	B	8	281.3	0.76	27.49	32.34	93.36	6.16	13.53	7.57	24.40
2016/10/17	MF	US2	06:26	M	5.2	281.2	0.73	27.49	32.35	92.97	6.13	12.28	7.57	15.70
2016/10/17	MF	US1	06:34	B	6.5	335.5	0.88	27.53	32.33	93.07	6.13	11.88	7.56	27.40
2016/10/17	MF	US1	06:35	M	4.2	279.6	0.88	27.53	32.34	92.48	6.09	12.42	7.56	20.60
2016/10/17	MF	US1	06:36	T	1.1	260.8	0.83	27.54	32.32	92.36	6.09	10.16	7.57	19.90
2016/10/17	MF	US1	06:37	B	6.7	253.4	1.03	27.54	32.33	92.24	6.08	10.44	7.57	28.00
2016/10/17	MF	US1	06:37	M	4.9	277.9	1.43	27.54	32.34	92.24	6.08	12.58	7.58	21.30
2016/10/17	MF	US1	06:38	T	1.3	289.3	0.45	27.54	32.34	92.22	6.08	11.75	7.58	20.20
2016/10/17	MF	DS1	06:43	B	7.9	319.2	0.62	27.56	32.34	92.64	6.1	21.23	7.57	15.90
2016/10/17	MF	DS1	06:44	M	5.1	168	0.64	27.55	32.34	92.32	6.08	13.9	7.57	9.80
2016/10/17	MF	DS1	06:45	T	1	355.1	1.11	27.56	32.34	92.16	6.07	11.47	7.57	21.70
2016/10/17	MF	DS1	06:46	B	7.6	323.2	1.26	27.55	32.35	92.1	6.07	18.45	7.58	16.50
2016/10/17	MF	DS1	06:46	M	5.2	329.2	0.62	27.55	32.35	92.07	6.06	18.38	7.59	10.00
2016/10/17	MF	DS1	06:47	T	1.4	303.5	0.5	27.55	32.34	92.1	6.07	10.45	7.59	21.40
2016/10/17	MF	DS2	06:52	B	7.7	341	1.07	27.51	32.35	92.79	6.12	24.09	7.58	29.90
2016/10/17	MF	DS2	06:53	M	4.8	330.2	0.82	27.53	32.36	92.51	6.09	13.86	7.59	15.10
2016/10/17	MF	DS2	06:54	T	1.2	276.8	0.5	27.52	32.36	92.47	6.09	12.19	7.59	15.70
2016/10/17	MF	DS2	06:55	B	7.9	276.5	0.78	27.51	32.36	92.44	6.09	20.08	7.59	31.90
2016/10/17	MF	DS2	06:55	M	5.3	16.9	0.57	27.52	32.37	92.44	6.09	14.29	7.59	14.50
2016/10/17	MF	DS2	06:56	T	1.2	321.2	0.66	27.51	32.36	92.47	6.09	8.91	7.59	16.00
2016/10/17	MF	DS3	07:01	B	7.2	304.3	0.74	27.49	32.37	93.07	6.13	19.95	7.58	25.40
2016/10/17	MF	DS3	07:02	M	4.7	309.1	0.34	27.5	32.38	92.52	6.1	16.1	7.58	19.50
2016/10/17	MF	DS3	07:04	T	0.9	320.8	0.73	27.49	32.38	92.2	6.08	12.88	7.59	38.80
2016/10/17	MF	DS3	07:05	B	7.8	327.7	1.07	27.51	32.38	92	6.06	19.87	7.59	26.10
2016/10/17	MF	DS3	07:06	M	4.9	23.4	0.41	27.5	32.38	92.11	6.07	15.66	7.59	19.60
2016/10/17	MF	DS3	07:06	T	1.2	303	0.26	27.48	32.39	92.24	6.08	11.2	7.59	41.20
2016/10/17	MF	DS4	07:11	B	8	24.6	0.52	27.53	32.18	93.02	6.13	19.79	7.57	28.90
2016/10/17	MF	DS4	07:12	M	4.7	42.7	0.32	27.53	32.19	92.68	6.11	10.38	7.57	32.10
2016/10/17	MF	DS4	07:12	T	1.1	293.3	0.79	27.51	32.18	92.74	6.12	8.78	7.58	22.10
2016/10/17	MF	DS4	07:13	B	8.2	342.2	1.4	27.53	32.21	92.47	6.1	15.04	7.58	29.90
2016/10/17	MF	DS4	07:14	M	5	8.1	0.96	27.53	32.2	92.46	6.1	13	7.58	33.60
2016/10/17	MF	DS4	07:15	T	1.1	275.2	0.7	27.52	32.18	92.66	6.11	10.4	7.58	21.30
2016/10/17	MF	DS5	07:20	B	7.7	348.6	0.47	27.52	32.1	92.89	6.13	12.6	7.58	36.90
2016/10/17	MF	DS5	07:21	M	4.6	250.3	0.92	27.52	32.11	92.84	6.13	10.22	7.58	32.40
2016/10/17	MF	DS5	07:21	T	1.3	313.3	0.32	27.51	32.11	92.8	6.12	8.87	7.59	26.90
2016/10/17	MF	DS5	07:22	B	7.4	24.6	0.92	27.52	32.12	92.65	6.11	9.8	7.59	39.20
2016/10/17	MF	DS5	07:23	M	5.2	329	0.97	27.52	32.12	92.64	6.11	10.68	7.59	31.30
2016/10/17	MF	DS5	07:24	T	1	276.3	0.98	27.51	32.11	92.69	6.12	9.26	7.59	26.40
2016/10/17	MF	MW1	09:00	B	19.2	157.5	0.13	27.65	32.82	83.25	5.46	23.92	7.62	29.80
2016/10/17	MF	MW1	09:02	M	10.5	275.7	0.39	27.65	32.78	82.48	5.41	20.88	7.61	21.10
2016/10/17	ME	MW1	10:44	M	10.8	35.7	0.34	27.65	32.54	82.19	5.4	8.79	7.76	15.30
2016/10/17	ME	MW1	10:45	T	0.9	342.4	0.21	27.68	32.53	82.64	5.43	4.52	7.76	17.90
2016/10/17	ME	DS	11:54	M	13.4	182.3	0.28	27.57	32.73	89.13	5.86	7.24	7.85	0.00
2016/10/17	ME	DS	11:55	M	13.3	96.3	0.16	27.56	32.72	89.01	5.85	7.2	7.83	0.00
2016/10/17	ME	US	12:00	M	14	134.8	0.76	27.57	32.68	89.21	5.86	5.61	7.8	0.00
2016/10/17	ME	US	12:01	M	14	309.4	0.48	27.58	32.67	88.67	5.83	5.74	7.79	0.00
2016/10/17	ME	US2	12:09	B	8.9	230.4	0.1	27.35	32.63	93.18	6.15	17.8	7.82	13.60
2016/10/17	ME	US2	12:10	M	5.3	144.2	0.43	27.37	32.62	93.07	6.14	9.99	7.81	13.40
2016/10/17	ME	US2	12:10	T	1.3	205.4	0.66	27.5	32.59	93.73	6.17	6.74	7.81	14.90
2016/10/17	ME	US2	12:11	B	9	180.6	0.27	27.35	32.63	92.6	6.11	16.36	7.81	13.40
2016/10/17	ME	US2	12:12	M	5.6	74.7	0.59	27.35	32.64	92.53	6.1	14.53	7.81	12.90
2016/10/17	ME	US2	12:13	T	1.3	202.5	0.41	27.46	32.59	93.75	6.18	6.65	7.81	15.00
2016/10/17	ME	US1	12:18	B	10.2	117.6	0.59	27.49	32.63	91.7	6.04	20.03	7.79	9.90
2016/10/17	ME	US1	12:18	M	5.9	346.4	0.18	27.57	32.63	91.87	6.04	5.3	7.79	9.30

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2016/10/17	ME	US1	12:19	T	1	69.4	0.68	27.62	32.63	91.82	6.03	4.41	7.79	34.30
2016/10/17	ME	US1	12:20	B	10.2	339.2	0.11	27.58	32.64	91.95	6.04	6.46	7.8	9.30
2016/10/17	ME	US1	12:21	M	5.7	159.8	0.75	27.63	32.63	92.31	6.06	4.58	7.8	9.30
2016/10/17	ME	US1	12:21	T	1.2	110.9	0.61	27.63	32.63	92.3	6.06	4.27	7.8	32.40
2016/10/17	ME	DS1	12:26	B	9.2	148.7	0.55	27.55	32.63	89.93	5.91	12.21	7.77	8.00
2016/10/17	ME	DS1	12:27	M	5.5	146.7	0.66	27.55	32.63	89.38	5.88	6.61	7.78	13.10
2016/10/17	ME	DS1	12:28	T	1.1	183.1	0.65	27.61	32.63	88.89	5.84	4.21	7.78	16.00
2016/10/17	ME	DS1	12:30	B	9.1	93.1	1.2	27.54	32.63	89.9	5.91	12.63	7.79	7.60
2016/10/17	ME	DS1	12:31	M	5.7	120.1	0.29	27.55	32.63	89.44	5.88	6.19	7.79	13.10
2016/10/17	ME	DS1	12:32	T	0.9	21.8	0.19	27.63	32.63	89.04	5.85	4.16	7.78	17.00
2016/10/17	ME	DS2	12:36	B	8.7	93.7	0.28	27.57	32.62	89.2	5.86	6.67	7.78	8.00
2016/10/17	ME	DS2	12:37	M	5.4	143.9	0.6	27.59	32.62	88.61	5.82	6.1	7.78	9.90
2016/10/17	ME	DS2	12:38	T	0.9	79.2	0.36	27.66	32.63	87.2	5.72	4.35	7.78	8.00
2016/10/17	ME	DS2	12:38	B	9.2	120.1	0.63	27.58	32.63	88.5	5.82	7.74	7.79	7.70
2016/10/17	ME	DS2	12:39	M	5.4	120.6	0.7	27.58	32.63	88.6	5.82	6.44	7.79	10.10
2016/10/17	ME	DS2	12:39	T	1	125.8	0.51	27.64	32.63	87.63	5.75	4.71	7.78	8.10
2016/10/17	ME	DS3	12:44	B	7.1	134.8	0.36	27.64	32.62	87.43	5.74	12.5	7.77	11.50
2016/10/17	ME	DS3	12:44	M	4.4	73.2	0.71	27.65	32.63	86.85	5.7	9.17	7.77	7.80
2016/10/17	ME	DS3	12:45	T	1	111.8	1.2	27.68	32.63	86.88	5.7	4.27	7.77	33.50
2016/10/17	ME	DS3	12:47	B	6.9	110.4	0.79	27.64	32.62	87.46	5.74	11.4	7.79	12.10
2016/10/17	ME	DS3	12:48	M	4.4	143.7	1.19	27.65	32.63	87.34	5.73	7.62	7.79	7.90
2016/10/17	ME	DS3	12:48	T	0.9	86.5	1.93	27.67	32.63	87.52	5.74	4.73	7.79	31.00
2016/10/17	ME	DS4	12:53	B	17.9	343.7	0.24	27.68	32.64	85.92	5.64	9.06	7.78	11.20
2016/10/17	ME	DS4	12:54	M	9.8	76.5	0.22	27.69	32.64	86.17	5.65	5.05	7.78	30.00
2016/10/17	ME	DS4	12:55	T	1	226.8	0.27	27.73	32.63	86.05	5.64	4.47	7.78	14.20
2016/10/17	ME	DS4	12:56	B	17.8	257.8	0.24	27.66	32.64	86.43	5.67	6.86	7.79	11.60