

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)
2017/08/25	MF	MW1	07:43	B	18.8	229.3	0.21	25.88	29.52	66.39	4.57	17.76	7.71	13.80
2017/08/25	MF	MW1	07:43	M	10.7	65.9	0.34	26.64	26.69	70.39	4.86	8.35	7.71	8.70
2017/08/25	MF	MW1	07:45	T	0.8	168.7	0.12	27.43	23.84	76.19	5.27	7.35	7.71	8.10
2017/08/25	MF	MW1	07:51	B	19	40.9	0.94	25.77	29.83	65.98	4.54	23.96	7.7	13.00
2017/08/25	MF	MW1	07:52	M	10.6	35.4	1.02	26.49	27.24	69.98	4.83	9.45	7.71	9.10
2017/08/25	MF	MW1	07:53	T	0.8	245.8	1.08	27.26	24.48	75.38	5.21	7.35	7.72	8.10
2017/08/25	MF	DS1	09:01	B	8.1	341.8	0.26	26.78	25.94	69.54	4.81	47.49	7.73	7.60
2017/08/25	MF	DS1	09:02	M	5	312.8	0.6	27.18	24.32	71.14	4.93	25.06	7.73	14.60
2017/08/25	MF	DS1	09:03	T	0.6	316	0.89	28.08	20.84	75.53	5.26	7.35	7.73	8.00
2017/08/25	MF	DS1	09:04	B	7.8	310.4	0.42	26.75	26.06	69.14	4.78	44.28	7.73	7.50
2017/08/25	MF	DS1	09:05	M	5.3	301.8	0.61	27.19	24.26	70.93	4.92	28.07	7.74	13.80
2017/08/25	MF	DS1	09:05	T	1.1	335.8	0.98	28.02	20.93	74.63	5.2	10.45	7.74	7.90
2017/08/25	MF	DS2	09:16	B	7.8	315.9	1.13	26.82	25.77	69.13	4.78	45.69	7.74	12.20
2017/08/25	MF	DS2	09:17	M	4.9	11.2	0.96	27.02	25	70.33	4.87	27.37	7.73	10.90
2017/08/25	MF	DS2	09:17	T	1	21.3	0.44	27.94	21.35	74.62	5.19	10.05	7.73	11.60
2017/08/25	MF	DS2	09:20	B	8.2	324.4	0.69	26.76	26.04	69.03	4.77	56.8	7.71	12.60
2017/08/25	MF	DS2	09:21	M	4.8	312.5	0.92	27.03	24.98	70.22	4.86	24.96	7.73	11.50
2017/08/25	MF	DS2	09:22	T	1	352.4	1.36	27.93	21.34	75.12	5.23	8.05	7.72	11.90
2017/08/25	MF	DS3	09:29	B	8.3	270.9	0.97	26.97	25.27	72.32	5	54.69	7.63	11.00
2017/08/25	MF	DS3	09:30	M	4.5	11	0.79	27.37	23.78	72.72	5.04	35.78	7.68	15.50
2017/08/25	MF	DS3	09:31	T	1	325.7	0.78	28.1	20.65	76.11	5.3	7.05	7.68	7.30
2017/08/25	MF	DS3	09:32	B	8	324.9	0.81	26.96	25.3	69.82	4.83	62.7	7.69	11.40
2017/08/25	MF	DS3	09:33	M	4.8	300.7	0.71	27.33	23.92	71.92	4.98	46.59	7.7	15.20
2017/08/25	MF	DS3	09:33	T	1.1	3.8	0.44	28.06	20.8	75.61	5.27	9.05	7.7	7.90
2017/08/25	MF	DS4	09:42	B	8.1	284.8	0.95	27.39	24.11	75.6	5.23	98.34	7.69	16.00
2017/08/25	MF	DS4	09:43	M	4.9	304.9	0.46	27.62	22.16	74.21	5.17	19.76	7.7	9.20
2017/08/25	MF	DS4	09:44	T	1.1	289.3	0.63	28.27	20.18	77.7	5.41	5.75	7.69	5.70
2017/08/25	MF	DS4	09:45	B	7.9	266.6	0.58	27.37	24.18	73.9	5.11	85.93	7.68	16.40
2017/08/25	MF	DS4	09:45	M	5	279.6	1.61	27.81	21.77	74.9	5.21	11.25	7.69	8.70
2017/08/25	MF	DS4	09:46	T	1.2	29.3	1.07	28.24	20.15	77.3	5.39	6.15	7.7	5.60
2017/08/25	MF	DS5	09:54	B	7.9	269.1	0.73	27.46	23.62	75.6	5.24	78.02	7.69	12.70
2017/08/25	MF	DS5	09:55	M	5	352.4	0.33	27.9	20.99	74.5	5.2	16.86	7.74	7.50
2017/08/25	MF	DS5	09:56	T	1.2	38.6	1.27	28.45	17.69	78.09	5.5	6.65	7.69	17.40
2017/08/25	MF	DS5	10:13	B	7.8	336	0.88	27.38	24.17	75.48	5.22	48.39	7.67	12.30
2017/08/25	MF	DS5	10:13	M	5.1	5.1	0.1	27.93	20.68	74.88	5.23	19.76	7.71	7.30
2017/08/25	MF	DS5	10:14	T	1.1	98.9	0.54	28.17	18.74	74.18	5.22	9.35	7.69	15.90
2017/08/25	MF	US1	10:36	B	10	72.7	0.15	27.06	25.2	73.37	5.07	19.56	7.64	15.90
2017/08/25	MF	US1	10:37	M	6	255.8	0.46	27.14	24.98	73.37	5.07	23.46	7.65	15.30
2017/08/25	MF	US1	10:37	T	1.1	303.7	0.48	27.56	23.74	75.37	5.21	10.95	7.66	13.10
2017/08/25	MF	US1	10:38	B	10.1	48.1	0.63	27.09	25.22	72.57	5.01	25.17	7.66	16.10
2017/08/25	MF	US1	10:39	M	5.9	181	0.85	27.11	25.06	72.47	5.01	25.97	7.67	15.00
2017/08/25	MF	US1	10:40	T	1.1	342.7	0.84	27.54	23.87	74.87	5.17	13.65	7.67	13.40
2017/08/25	MF	US2	10:49	B	24.2	77.6	0.45	26.42	27.55	69.07	4.76	52.09	7.69	31.30
2017/08/25	MF	US2	10:50	M	13	82.5	0.88	26.68	26.52	70.07	4.84	32.37	7.69	16.80
2017/08/25	ME	US2	14:16	B	7	96.8	1.18	27.29	23.8	74.41	5.16	66.71	7.7	22.20
2017/08/25	ME	US2	14:17	M	4.4	135.1	0.69	27.88	21.9	76.41	5.31	11.65	7.71	22.90
2017/08/25	ME	US2	14:18	T	1	133.9	0.93	28.43	20.07	78.01	5.42	7.25	7.71	7.40
2017/08/25	ME	US2	14:18	B	7.1	126.3	0.49	27.27	23.83	72.91	5.06	82.12	7.69	24.10
2017/08/25	ME	US2	14:19	M	4.6	106.5	0.74	27.57	21.94	73.71	5.14	34.17	7.71	23.00
2017/08/25	ME	US2	14:20	T	0.8	75.1	0.78	28.48	19.71	78.92	5.49	7.55	7.72	7.40
2017/08/25	ME	US1	14:29	B	9.2	49.9	1.05	27.23	24.11	73.72	5.11	121.06	7.71	29.00
2017/08/25	ME	US1	14:30	M	5.5	111.7	1.07	27.66	22.59	74.92	5.2	17.96	7.72	19.50
2017/08/25	ME	US1	14:31	T	1.1	117.5	1.07	28.57	19.19	78.42	5.46	6.25	7.72	6.10
2017/08/25	ME	US1	14:34	B	9	93.9	0.18	27.25	23.92	72.22	5.01	124.76	7.71	28.30
2017/08/25	ME	US1	14:35	M	5.3	86.8	1.17	27.74	22.31	75.22	5.22	14.75	7.72	20.80
2017/08/25	ME	US1	14:35	T	0.8	110	1.26	28.56	19.16	78.02	5.44	6.45	7.73	6.50
2017/08/25	ME	DS1	14:49	B	8.3	98.7	0.9	27.17	24.43	73.93	5.12	52.49	7.74	25.30
2017/08/25	ME	DS1	14:50	M	5.1	319.5	1.04	27.34	23.6	73.03	5.07	62.5	7.73	21.50

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2017/08/25	ME	DS1	14:51	T	1.1	148.7	1.22	28.17	20.84	75.93	5.28	10.85	7.73	8.00
2017/08/25	ME	DS1	14:51	B	8	136.1	0.44	27.2	24.29	72.23	5.01	55.7	7.72	25.50
2017/08/25	ME	DS1	14:52	M	5.1	77.9	0.21	27.33	23.67	72.73	5.05	64.9	7.72	21.30
2017/08/25	ME	DS1	14:53	T	1.2	126.4	0.39	28.01	21.07	75.33	5.24	12.85	7.73	7.90
2017/08/25	ME	DS2	15:07	B	7.1	101	0.47	27.26	24	74.43	5.16	55.7	7.73	8.40
2017/08/25	ME	DS2	15:08	M	4.5	92.4	0.95	27.31	23.74	72.83	5.05	52.29	7.73	20.80
2017/08/25	ME	DS2	15:09	T	1.1	281.1	0.42	28.27	20.6	76.93	5.35	9.35	7.73	7.70
2017/08/25	ME	DS2	15:10	B	7.2	130.6	0.72	27.22	24.18	72.43	5.02	61.7	7.72	8.30
2017/08/25	ME	DS2	15:10	M	4.1	87.4	0.6	27.29	23.81	72.53	5.03	57.1	7.72	19.80
2017/08/25	ME	DS2	15:11	T	0.7	122.1	0.51	28.22	20.59	75.83	5.27	8.25	7.72	8.00
2017/08/25	ME	DS3	15:22	B	8.1	165.4	0.48	27.21	24.21	72.24	5.01	70.81	7.71	13.90
2017/08/25	ME	DS3	15:23	M	5	155.1	0.43	27.28	23.97	72.44	5.02	59.1	7.72	12.30
2017/08/25	ME	DS3	15:23	T	1.2	133.2	1.7	28.21	20.56	76.34	5.31	10.75	7.72	9.60
2017/08/25	ME	DS3	15:24	B	7.8	82.8	0.56	27.22	24.19	72.04	4.99	70.31	7.71	14.30
2017/08/25	ME	DS3	15:25	M	5	93.9	0.83	27.41	23.38	72.74	5.05	45.39	7.72	11.70
2017/08/25	ME	DS3	15:26	T	1.1	323.4	0.69	28.35	19.9	71.64	4.99	45.19	7.72	9.60
2017/08/25	ME	DS4	15:32	B	9.1	102.3	0.61	26.88	25.69	72.44	5.01	45.39	7.72	18.50
2017/08/25	ME	DS4	15:33	M	5.9	78	0.92	27.29	23.87	72.64	5.04	43.78	7.73	10.90
2017/08/25	ME	DS4	15:33	T	1.2	90.3	1.38	28.25	20.26	76.24	5.31	8.65	7.72	8.10
2017/08/25	ME	DS4	15:34	B	9.1	163.4	0.21	26.92	25.56	71.04	4.91	47.39	7.7	18.50
2017/08/25	ME	DS4	15:35	M	5.5	55.3	0.73	27.29	23.87	72.34	5.02	46.19	7.71	10.50
2017/08/25	ME	DS4	15:36	T	1.1	125.5	0.95	28.24	20.32	76.24	5.31	8.95	7.72	7.70
2017/08/25	ME	DS5	15:47	B	8.2	93.9	0.64	27.21	24.3	72.25	5.01	87.23	7.71	16.70
2017/08/25	ME	DS5	15:48	M	4.9	45.8	0.59	27.33	23.73	72.65	5.04	59.7	7.72	38.30
2017/08/25	ME	DS5	15:49	T	0.7	99.7	1.38	28.25	20.54	75.55	5.25	8.75	7.72	7.70
2017/08/25	ME	DS5	15:50	B	7.9	128.6	0.96	27.21	24.25	72.05	4.99	83.62	7.7	16.40
2017/08/25	ME	DS5	15:50	M	5	109.3	0.79	27.33	23.77	72.55	5.03	49.39	7.7	38.40
2017/08/25	ME	DS5	15:51	T	0.8	168.7	1.77	28.14	20.75	74.55	5.19	15.36	7.71	7.80
2017/07/31	MF	MW1	16:31	B	19	104.4	0.37	27.45	24.74	75.56	5.2	8.15	7.77	9.50
2017/07/31	MF	MW1	16:32	M	10.6	40.2	0.62	27.42	24.75	74.96	5.16	7.65	7.76	8.50
2017/07/31	MF	MW1	16:33	T	0.9	98.1	0.4	27.85	22.6	77.67	5.37	6.95	7.77	7.20
2017/07/31	MF	MW1	16:34	B	19	36.5	0.64	27.33	25.1	73.96	5.09	9.55	7.75	9.20
2017/07/31	MF	MW1	16:35	M	10.5	339.8	0.67	27.4	24.69	74.17	5.11	8.05	7.75	8.30
2017/07/31	MF	MW1	16:36	T	1.4	73.4	1.46	27.56	22.92	75.27	5.22	7.55	7.75	7.10