

## 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)
2016/10/13	ME	DS-ME	09:20	M	13.3	90.9	0.33	27.33	32.18	88.42	5.85	3.48	7.63	0.00
2016/10/13	ME	DS-ME	09:21	M	13.2	143.9	0.96	27.35	32.22	88.03	5.82	3.38	7.7	0.00
2016/10/13	ME	US-ME	09:28	M	12.1	75.7	0.4	27.34	32.3	88.36	5.84	4.66	7.72	0.00
2016/10/13	ME	US-ME	09:29	M	12	66.4	1.02	27.33	32.3	87.86	5.81	4.96	7.73	0.00
2016/10/13	ME	US2	09:36	B	8	174.6	0.42	26.74	32.38	90.88	6.07	9.85	7.76	5.50
2016/10/13	ME	US2	09:37	M	5.2	131.6	0.45	26.86	32.32	90.62	6.04	4.21	7.75	6.30
2016/10/13	ME	US1	09:48	B	8.3	160.5	0.31	26.74	32.35	91.31	6.1	10.92	7.76	6.20
2016/10/13	ME	US1	09:48	M	5	104.1	0.63	26.93	32.26	91.08	6.06	3.5	7.75	9.20
2016/10/13	ME	US1	09:49	T	1.2	158.5	1.33	27.27	32.24	91.2	6.04	3.69	7.74	10.60
2016/10/13	ME	US1	09:49	B	7.9	158.4	0.65	26.74	32.35	90.65	6.05	10.43	7.76	6.20
2016/10/13	ME	US1	09:50	M	5.2	101.2	0.77	26.82	32.31	91.05	6.07	4.46	7.76	8.70
2016/10/13	ME	US1	09:50	T	1.2	214.2	0.59	27.27	32.24	91.49	6.06	3.44	7.75	10.70
2016/10/13	ME	DS1	09:57	B	8	130.1	0.71	26.85	32.34	90.63	6.04	15.38	7.76	10.20
2016/10/13	ME	DS1	09:57	M	5.1	78.1	1.04	27.08	32.26	89.91	5.97	3.86	7.76	11.40
2016/10/13	ME	DS1	09:59	T	1.3	122.1	0.75	27.32	32.31	89.45	5.92	5.55	7.75	11.60
2016/10/13	ME	DS1	10:02	B	8.3	101.1	0.99	26.83	32.34	90.84	6.06	11.57	7.78	20.10
2016/10/13	ME	DS1	10:02	M	5	97.3	1.43	27.17	32.27	89.92	5.96	4.94	7.76	11.50
2016/10/13	ME	DS1	10:03	T	1.1	120.5	0.79	27.26	32.28	90.12	5.97	6.42	7.76	12.10
2016/10/13	ME	DS2	10:09	B	8	225	0.06	27.35	32.34	89.18	5.89	6.58	7.74	7.70
2016/10/13	ME	DS2	10:10	M	5.1	153.4	0.43	27.36	32.34	88.33	5.84	6.96	7.74	9.90
2016/10/13	ME	DS2	10:11	T	1.3	98.3	0.64	27.34	32.35	88.28	5.83	6.13	7.74	10.20
2016/10/13	ME	DS2	10:11	B	8.2	304.6	0.34	27.35	32.35	88.02	5.82	12.26	7.75	8.00
2016/10/13	ME	DS2	10:12	M	5.1	79.8	0.47	27.34	32.35	87.92	5.81	8.41	7.75	9.50
2016/10/13	ME	DS2	10:13	T	1.2	118.5	0.95	27.34	32.35	88.17	5.83	7.18	7.75	9.80
2016/10/13	ME	DS3	10:20	B	7	90.9	1.11	27.34	32.34	89.04	5.89	8.9	7.74	7.70
2016/10/13	ME	DS3	10:21	M	4.6	139.7	0.9	27.35	32.35	88.25	5.83	6.11	7.74	9.10
2016/10/13	ME	DS3	10:21	T	1.2	112.2	0.47	27.35	32.34	88.51	5.85	4.53	7.74	13.50
2016/10/13	ME	DS3	10:22	B	6.7	124.8	0.59	27.35	32.34	88.09	5.82	8.06	7.74	7.50
2016/10/13	ME	DS3	10:23	M	4.6	59.3	0.85	27.35	32.34	88.03	5.82	7.11	7.75	8.80
2016/10/13	ME	DS3	10:23	T	1.1	123.9	0.9	27.36	32.35	88.53	5.85	4.51	7.75	13.10
2016/10/13	ME	DS4	10:29	B	15.7	135.7	0.33	27.35	32.34	88.74	5.86	6.2	7.74	9.40
2016/10/13	ME	DS4	10:30	M	8.8	164.1	0.95	27.35	32.34	88.32	5.84	7	7.74	9.40
2016/10/13	ME	DS4	10:31	T	1.4	173.4	0.95	27.35	32.35	88.5	5.85	6.12	7.75	9.30
2016/10/13	ME	DS4	10:32	B	16	111.8	0.56	27.35	32.34	88.04	5.82	6.48	7.75	9.40
2016/10/13	ME	DS4	10:33	M	9.1	114.6	0.67	27.35	32.35	88.12	5.82	6.27	7.75	9.10
2016/10/13	ME	DS4	10:33	T	1.2	27.8	1.09	27.38	32.35	88.9	5.87	4.67	7.76	9.60
2016/10/13	ME	DS5	10:40	B	7.1	153.1	0.62	27.38	32.34	88.94	5.87	8.97	7.74	8.10
2016/10/13	ME	DS5	10:41	M	4.6	123.9	0.69	27.38	32.34	88.46	5.84	8.12	7.74	11.20
2016/10/13	ME	DS5	10:41	T	1	136.8	0.66	27.36	32.32	89	5.88	4.98	7.74	11.20
2016/10/13	ME	DS5	10:44	B	6.9	108	0.47	27.37	32.33	88.7	5.86	8.99	7.75	8.50
2016/10/13	ME	DS5	10:45	M	4.6	171	0.21	27.37	32.33	88.35	5.84	7.46	7.75	12.00
2016/10/13	ME	DS5	10:45	T	1.4	161.4	0.4	27.36	32.33	88.49	5.85	5.97	7.75	10.90
2016/10/13	ME	MW1	11:36	B	19.2	36.4	0.23	27.78	32.76	87.47	5.73	9.84	7.78	6.90
2016/10/13	ME	MW1	11:37	M	10.2	89.9	0.69	27.78	32.74	86.92	5.69	7.45	7.78	14.90
2016/10/13	MF	MW1	15:48	M	10.7	32	0.7	27.81	32.52	87.8	5.75	5.31	7.89	7.50
2016/10/13	MF	MW1	15:49	T	1.1	347.1	0.47	27.8	32.53	87.88	5.76	4.65	7.89	10.00
2016/10/13	MF	DS_MF	16:55	M	8.3	322.3	0.7	27.27	32.54	94.86	6.27	7.44	7.93	0.00
2016/10/13	MF	DS_MF	16:56	M	8.1	322.3	0.7	27.29	32.53	94.78	6.26	8.01	7.92	0.00
2016/10/13	MF	US_MF	17:01	M	10.9	331.7	0.02	27.35	32.51	95.92	6.33	4.64	7.9	0.00
2016/10/13	MF	US_MF	17:02	M	10.9	235	0.26	27.36	32.51	95.6	6.31	4.46	7.9	0.00
2016/10/13	MF	US2	17:11	B	8.3	292.8	0.63	27.55	32.46	93.26	6.14	20.18	7.86	18.70
2016/10/13	MF	US2	17:11	M	5.3	342.2	1.07	27.55	32.45	93.08	6.13	13.42	7.86	22.30
2016/10/13	MF	US2	17:12	T	1.5	227.8	0.66	27.55	32.45	93.11	6.13	10.82	7.86	24.60
2016/10/13	MF	US2	17:12	B	7.9	270.9	0.39	27.55	32.45	93.03	6.12	17.73	7.87	18.30
2016/10/13	MF	US2	17:13	M	5.2	315.4	0.88	27.55	32.45	92.97	6.12	14.64	7.87	22.80
2016/10/13	MF	US2	17:14	T	1.2	330.4	0.63	27.56	32.45	92.86	6.11	8.55	7.87	23.80
2016/10/13	MF	US1	17:23	B	15.3	258.8	0.56	27.44	32.47	94.84	6.25	8.97	7.87	10.90
2016/10/13	MF	US1	17:23	M	8.4	287	0.35	27.45	32.47	94.78	6.25	7.43	7.87	11.50

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2016/10/13	MF	US1	17:24	T	1.2	306.4	0.52	27.5	32.46	94.3	6.21	6.93	7.87	13.10
2016/10/13	MF	US1	17:26	B	15.2	283	0.23	27.5	32.46	94.28	6.21	10.18	7.88	10.80
2016/10/13	MF	US1	17:27	M	8.6	264.9	0.77	27.53	32.46	93.51	6.16	10.12	7.87	11.80
2016/10/13	MF	US1	17:27	T	1.3	305.7	0.75	27.53	32.46	93.43	6.15	9.17	7.87	13.30
2016/10/13	MF	DS1	17:33	B	8.1	249.3	0.61	27.38	32.48	95.6	6.31	8.16	7.88	9.90
2016/10/13	MF	DS1	17:33	M	4.9	276.1	1.23	27.4	32.48	95.45	6.3	5.52	7.88	10.00
2016/10/13	MF	DS1	17:34	T	0.9	336	1.02	27.42	32.48	95.34	6.29	5.64	7.88	13.00
2016/10/13	MF	DS1	17:36	B	8	338.3	0.56	27.41	32.48	95.29	6.29	6.7	7.89	9.60
2016/10/13	MF	DS1	17:37	M	4.9	352.3	0.46	27.42	32.48	95.24	6.28	4.71	7.89	9.90
2016/10/13	MF	DS1	17:38	T	1.3	253.7	0.85	27.42	32.48	95.18	6.28	5.83	7.89	12.10
2016/10/13	MF	DS2	17:42	B	8	203.3	0.28	27.3	32.49	96.21	6.36	6.78	7.9	7.50
2016/10/13	MF	DS2	17:43	M	5	242.4	0.59	27.36	32.46	95.95	6.34	4.38	7.89	10.40
2016/10/13	MF	DS2	17:44	T	1.3	306.5	0.71	27.39	32.45	96.12	6.34	4.36	7.89	10.50
2016/10/13	MF	DS2	17:44	B	8.1	46.1	0.59	27.31	32.49	95.63	6.32	6.21	7.89	7.40
2016/10/13	MF	DS2	17:45	M	4.9	301.9	1.05	27.33	32.48	95.62	6.32	5.39	7.89	10.40
2016/10/13	MF	DS2	17:46	T	1.4	351.1	0.44	27.4	32.45	95.96	6.33	4.36	7.89	11.00
2016/10/13	MF	DS3	17:51	B	7.9	273.9	0.46	27.3	32.47	96.67	6.39	5.43	7.88	6.30
2016/10/13	MF	DS3	17:52	M	4.8	334.5	1.16	27.36	32.43	96.96	6.4	3.89	7.88	7.90
2016/10/13	MF	DS3	17:52	T	1.2	100	0.27	27.4	32.4	97.37	6.43	3.74	7.88	7.20
2016/10/13	MF	DS3	17:53	B	7.8	68.6	0.52	27.31	32.48	96.41	6.37	5.26	7.88	6.70
2016/10/13	MF	DS3	17:53	M	4.8	6.4	1.22	27.37	32.43	96.94	6.4	3.98	7.88	7.40
2016/10/13	MF	DS3	17:54	T	1.3	274.1	0.15	27.41	32.41	97.5	6.43	3.4	7.88	6.90
2016/10/13	MF	DS4	18:01	B	8.1	306.9	0.58	27.25	32.52	96.77	6.4	7.14	7.88	6.40
2016/10/13	MF	DS4	18:02	M	5.1	55.2	0.86	27.34	32.45	97.41	6.43	4.08	7.88	7.00
2016/10/13	MF	DS4	18:02	T	1.4	6.9	0.4	27.41	32.33	98.71	6.52	3.37	7.88	5.70
2016/10/13	MF	DS4	18:03	B	7.9	307.1	0.64	27.27	32.51	96.7	6.39	6.1	7.88	6.40