

## 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)
2016/10/03	MF	US2	08:04	B	7	330.2	0.25	28.07	28.17	82.19	5.49	22.56	7.84	18.70
2016/10/03	MF	US2	08:04	M	4.7	318.3	0.74	28.07	27.91	82.99	5.55	14.45	7.85	20.50
2016/10/03	MF	US2	08:05	T	1.1	282.5	0.98	28.07	27.68	84.15	5.64	7.51	7.85	25.40
2016/10/03	MF	US2	08:06	B	7	330.2	0.25	28.06	28.05	82.14	5.49	20.03	7.86	18.20
2016/10/03	MF	US2	08:07	M	4.6	301.3	1.03	28.06	27.93	82.62	5.53	16.17	7.86	21.90
2016/10/03	MF	US2	08:08	T	1.6	308.2	0.85	28.07	27.68	83.81	5.62	8.48	7.86	24.80
2016/10/03	MF	US1	08:21	M	5.7	305.3	0.77	28.07	27.91	82.77	5.54	15.93	7.87	19.50
2016/10/03	MF	US1	08:21	T	0.9	299.9	1.66	28.07	27.83	83.56	5.6	12.97	7.87	14.60
2016/10/03	MF	DS1	08:28	B	8.2	337.8	0.52	28.09	28.17	81.93	5.47	24.52	7.87	31.40
2016/10/03	MF	DS1	08:29	M	5.3	343.6	0.58	28.1	27.75	83.18	5.57	13.87	7.87	28.60
2016/10/03	MF	DS1	08:30	T	1	304	1.02	28.15	27.38	83.97	5.63	8.7	7.87	15.00
2016/10/03	MF	DS1	08:30	B	8	303.6	0.79	28.09	28.18	81.87	5.47	26.47	7.87	30.10
2016/10/03	MF	DS1	08:31	M	4.9	306	1.01	28.1	27.67	82.87	5.55	15.89	7.87	28.70
2016/10/03	MF	DS1	08:32	T	1	257.2	0.8	28.15	27.39	83.86	5.62	8.95	7.87	15.40
2016/10/03	MF	DS2	08:39	B	8.3	343.4	0.44	28.08	28.36	81.02	5.41	45.56	7.87	25.20
2016/10/03	MF	DS2	08:39	M	4.8	282.5	0.92	28.09	28.14	81.78	5.46	15.28	7.87	27.70
2016/10/03	MF	DS2	08:40	T	0.9	281.9	0.7	28.15	27.56	84.09	5.63	10.37	7.86	20.30
2016/10/03	MF	DS2	08:44	B	8	287.4	0.38	28.08	28.33	81.77	5.46	40.64	7.86	24.70
2016/10/03	MF	DS2	08:45	M	4.8	316.3	0.85	28.09	28.01	82.36	5.51	16.56	7.87	27.40
2016/10/03	MF	DS2	08:45	T	1.1	24.5	0.43	28.16	27.45	83.96	5.63	10.19	7.86	20.00
2016/10/03	MF	DS3	08:54	B	8.1	57.1	0.38	28.08	28.33	81.43	5.44	42.73	7.87	28.90
2016/10/03	MF	DS3	08:55	M	4.9	289.8	0.17	28.1	27.75	83.01	5.56	12.91	7.86	26.40
2016/10/03	MF	DS3	08:56	T	1.2	326.9	0.97	28.14	27.41	84.23	5.65	8.9	7.86	15.00
2016/10/03	MF	DS3	08:57	B	8.1	57.1	0.38	28.08	28.27	81.88	5.47	32.02	7.86	29.20
2016/10/03	MF	DS3	08:58	M	5.1	292.1	0.8	28.1	27.7	83.01	5.56	12.49	7.87	26.70
2016/10/03	MF	DS3	08:58	T	1	326.9	0.97	28.16	27.41	84.72	5.68	7.71	7.86	16.20
2016/10/03	MF	DS4	09:07	B	8	331.2	0.08	28.11	27.38	84.27	5.65	15.92	7.84	23.10
2016/10/03	MF	DS4	09:08	M	5.2	260.1	0.39	28.12	27.39	84.11	5.64	12.06	7.85	21.70
2016/10/03	MF	DS4	09:08	T	1	324.4	0.27	28.15	27.37	84.71	5.68	8.88	7.85	21.80
2016/10/03	MF	DS4	09:09	B	7.9	319	0.55	28.11	27.38	83.67	5.61	16.46	7.85	22.60
2016/10/03	MF	DS4	09:10	M	5.1	293.2	0.88	28.11	27.37	83.77	5.62	16.86	7.85	20.90
2016/10/03	MF	DS4	09:10	T	1	331.2	0.94	28.15	27.36	84.66	5.68	9.83	7.85	21.50
2016/10/03	MF	DS5	09:18	B	8.1	125.4	0.43	28.13	27.27	83.14	5.58	26.55	7.84	24.00
2016/10/03	MF	DS5	09:19	M	5	224.6	0.59	28.13	27.27	83.59	5.61	18.44	7.84	27.70
2016/10/03	MF	DS5	09:20	T	1	50	0.47	28.15	27.28	84.47	5.67	8.81	7.84	13.30
2016/10/03	MF	DS5	09:21	B	8	344.3	0.28	28.13	27.28	83.44	5.6	15.96	7.84	25.50
2016/10/03	MF	DS5	09:21	M	5.7	21.6	0.6	28.14	27.28	83.74	5.62	13.68	7.84	27.10
2016/10/03	MF	DS5	09:22	T	1.2	50	0.47	28.17	27.28	84.86	5.69	8.14	7.84	13.30
2016/10/03	MF	MW1	10:50	B	18.9	205.2	0.13	28.09	31	76.33	5.02	9.31	7.93	15.10
2016/10/03	MF	MW1	10:51	M	10.6	15.9	0.5	28.08	30.86	76.86	5.06	8.57	7.91	12.80
2016/10/03	MF	MW1	10:52	T	1.2	6.7	0.26	28.09	30.54	77.46	5.11	5.95	7.9	8.80
2016/10/03	MF	MW1	10:53	B	18.8	204.4	0.39	28.09	30.96	76.12	5.01	10.24	7.9	15.40
2016/10/03	MF	MW1	10:54	M	10.4	335.7	0.58	28.08	30.83	76.7	5.05	8.69	7.9	12.50
2016/10/03	MF	MW1	10:55	T	1.2	234	0.25	28.1	30.46	77.41	5.11	5.42	7.89	9.40
2016/10/03	ME	US2	14:17	T	0.6	15.6	0.66	28.34	26.29	84.61	5.69	4.34	7.78	6.10
2016/10/03	ME	US2	14:18	B	7.8	71.7	0.89	28.08	29.01	85.61	5.69	77.35	7.82	31.00
2016/10/03	ME	US2	14:18	M	4.8	157.9	0.39	28.16	27.77	84.69	5.66	6.88	7.81	22.90
2016/10/03	ME	US2	14:19	T	0.9	15.6	0.66	28.28	26.35	83.45	5.61	5.41	7.77	5.90
2016/10/03	ME	US1	14:28	B	8	189.3	0.97	28.1	28.75	85.64	5.7	30.15	7.84	10.60
2016/10/03	ME	US1	14:29	M	4.8	145.2	0.7	28.15	27.78	84.68	5.66	8.27	7.81	9.00
2016/10/03	ME	US1	14:29	T	1	159.6	1.1	28.28	26.53	82.52	5.55	5.42	7.78	9.90
2016/10/03	ME	US1	14:33	B	7.5	99.8	0.36	28.09	28.78	86.02	5.73	35.61	7.82	11.00
2016/10/03	ME	US1	14:33	M	5	141.4	0.83	28.16	27.54	84.16	5.64	7.63	7.81	9.10
2016/10/03	ME	US1	14:34	T	1.1	123.9	0.61	28.33	26.07	85.34	5.75	4.52	7.78	10.30
2016/10/03	ME	DS1	14:40	B	8	135.7	0.75	28.18	28.13	87.34	5.83	15.72	7.79	19.60
2016/10/03	ME	DS1	14:41	M	4.8	168.1	0.99	28.31	26.86	84.33	5.65	5.95	7.78	8.20
2016/10/03	ME	DS1	14:41	T	0.7	253.3	0.24	28.39	26.35	85.76	5.76	4.36	7.77	8.50
2016/10/03	ME	DS1	14:48	B	7.8	220.9	0.38	28.18	27.87	86.63	5.79	14.26	7.78	19.80
2016/10/03	ME	DS1	14:49	M	4.8	163.7	0.69	28.18	27.47	84.96	5.69	9.28	7.81	7.90

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2016/10/03	ME	DS1	14:49	T	0.8	147.5	0.75	28.25	26.41	83.43	5.61	6.52	7.78	8.20
2016/10/03	ME	DS2	14:55	B	7.1	79.5	0.71	28.23	28.01	87.98	5.87	25.19	7.79	19.30
2016/10/03	ME	DS2	14:55	M	4.4	127.2	0.47	28.32	27.06	86.01	5.76	6.26	7.8	7.30
2016/10/03	ME	DS2	14:56	T	1.3	115.3	0.57	28.4	26.34	86.06	5.78	4.43	7.77	19.30
2016/10/03	ME	DS2	14:56	B	7	41.8	0.67	28.24	27.97	86.92	5.8	28.1	7.78	18.90
2016/10/03	ME	DS2	14:57	M	4.5	218.9	0.1	28.32	27.3	86.13	5.76	8.79	7.79	7.50
2016/10/03	ME	DS2	14:58	T	1	180.6	0.9	28.46	26.29	86.9	5.83	4.03	7.77	20.20
2016/10/03	ME	DS3	15:07	B	7.1	90.9	0.91	28.19	28.43	87.85	5.85	36.07	7.79	34.70
2016/10/03	ME	DS3	15:08	M	4.4	109	0.95	28.3	27.47	86.9	5.81	14.68	7.79	16.70
2016/10/03	ME	DS3	15:09	T	0.8	118.7	0.65	28.27	26.58	84.83	5.7	5.29	7.76	7.80
2016/10/03	ME	DS3	15:14	B	7.1	97.6	0.54	28.17	28.42	86.99	5.8	29.58	7.83	33.80
2016/10/03	ME	DS3	15:15	M	4.4	62.2	0.04	28.23	27.6	86.24	5.77	14.04	7.81	16.80
2016/10/03	ME	DS3	15:15	T	1.2	118.7	0.65	28.3	26.67	85.4	5.73	5.69	7.79	7.80
2016/10/03	ME	DS4	15:20	B	15.2	126.2	0.6	28.23	28.26	87.89	5.86	25.7	7.81	30.40
2016/10/03	ME	DS4	15:21	M	8.5	191.5	0.36	28.23	28.23	87.96	5.86	21.05	7.82	18.30
2016/10/03	ME	DS4	15:22	T	1.1	193.2	0.44	28.25	26.78	84.78	5.69	5.17	7.76	8.10
2016/10/03	ME	DS4	15:23	B	15.1	48.6	0.57	28.24	28.21	87.17	5.81	22.85	7.8	31.90
2016/10/03	ME	DS4	15:23	M	8.6	337.1	0.1	28.25	27.98	87.39	5.83	18.82	7.81	19.40
2016/10/03	ME	DS4	15:24	T	1.1	193.2	0.44	28.23	27.25	85.29	5.71	9.97	7.78	8.20
2016/10/03	ME	DS5	15:32	B	6	273.2	0.16	28.23	28.35	89.03	5.93	21.64	7.81	31.70
2016/10/03	ME	DS5	15:32	M	4.1	131.2	0.67	28.31	27.62	88	5.88	13.68	7.81	17.00
2016/10/03	ME	DS5	15:33	T	0.9	149.4	0.82	28.33	26.74	86.49	5.8	4.42	7.78	6.30
2016/10/03	ME	DS5	15:33	B	6	57.3	0.63	28.23	28.36	88.46	5.89	22.21	7.8	33.90
2016/10/03	ME	DS5	15:34	M	4	68	0.56	28.31	27.57	87.63	5.85	12.67	7.8	18.40
2016/10/03	ME	DS5	15:35	T	1.1	149.4	0.82	28.33	26.82	86.24	5.78	5	7.77	6.60