

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)
2016/11/02	MF	DS	07:18	M	11.9	308	0.28	26.8	28.63	93.63	6.38	5.75	7.85	0.00
2016/11/02	MF	DS	07:18	M	11.9	283.3	0.63	26.8	28.57	93.22	6.35	5.43	7.85	0.00
2016/11/02	MF	US	07:22	M	14.1	294.2	0.71	26.7	28.76	94.48	6.44	10.74	7.87	0.00
2016/11/02	MF	US	07:23	M	13.9	344.5	0.5	26.7	28.76	94.28	6.43	9.79	7.87	0.00
2016/11/02	MF	US1	07:32	B	6.7	289.1	1.1	26.63	28.76	95.29	6.5	6	7.88	20.60
2016/11/02	MF	US1	07:33	M	4.4	282.2	0.92	26.63	28.81	94.81	6.47	6.6	7.88	7.20
2016/11/02	MF	US2	07:42	B	6.9	311.9	0.9	26.61	28.89	95.75	6.53	11.53	7.88	6.20
2016/11/02	MF	US2	07:43	M	4.6	291.4	0.32	26.62	28.9	95.37	6.5	9.14	7.89	27.40
2016/11/02	MF	US2	07:44	T	1.1	276.5	0.82	26.62	28.91	95.5	6.51	7.36	7.88	11.30
2016/11/02	MF	US2	07:44	B	7.1	343.8	1.02	26.63	28.91	95.31	6.5	11.04	7.88	6.40
2016/11/02	MF	US2	07:45	M	4.5	331.5	0.31	26.63	28.91	95.27	6.5	8.93	7.88	29.20
2016/11/02	MF	US2	07:46	T	1	344.2	1.23	26.6	28.91	95.47	6.51	6.74	7.88	11.10
2016/11/02	MF	DS1	07:53	B	7.8	349.5	0.56	26.68	28.87	94.91	6.47	16.36	7.89	24.30
2016/11/02	MF	DS1	07:54	M	5.1	282	0.67	26.67	28.84	94.63	6.45	11.67	7.88	17.90
2016/11/02	MF	DS1	07:55	T	1.1	13.1	0.47	26.65	28.78	94.45	6.44	6.71	7.87	26.70
2016/11/02	MF	DS1	07:56	B	8	297.8	0.48	26.69	28.91	94.68	6.45	14.15	7.88	23.00
2016/11/02	MF	DS1	07:56	M	5.2	310.7	0.96	26.64	28.8	94.47	6.44	7.4	7.87	17.40
2016/11/02	MF	DS1	07:57	T	1.1	330.2	1.12	26.64	28.76	94.36	6.44	5.53	7.86	27.30
2016/11/02	MF	DS2	08:02	B	7.7	44.2	0.61	26.72	28.9	94.22	6.42	19.34	7.87	24.20
2016/11/02	MF	DS2	08:03	M	5.1	328.6	0.54	26.73	28.84	94	6.4	12.25	7.86	24.70
2016/11/02	MF	DS2	08:03	T	1.2	289.5	0.19	26.7	28.68	93.72	6.39	5.6	7.85	19.50
2016/11/02	MF	DS2	08:04	B	8	302.5	0.65	26.72	28.89	94.01	6.4	20.32	7.86	24.30
2016/11/02	MF	DS2	08:05	M	5.1	315.5	0.46	26.72	28.84	93.91	6.4	10.76	7.86	24.80
2016/11/02	MF	DS2	08:06	T	1.2	3	1	26.7	28.7	93.73	6.39	5.96	7.85	20.40
2016/11/02	MF	DS3	08:10	B	7.9	63.6	0.17	26.72	28.72	93.7	6.39	16.06	7.85	24.40
2016/11/02	MF	DS3	08:11	M	5.1	313.6	0.38	26.74	28.68	92.99	6.34	12.56	7.85	26.80
2016/11/02	MF	DS3	08:11	T	1.3	328.9	0.93	26.74	28.59	92.96	6.34	8.1	7.84	23.30
2016/11/02	MF	DS3	08:12	B	8	75.1	0.92	26.73	28.75	92.96	6.33	17.63	7.85	24.30
2016/11/02	MF	DS3	08:13	M	5	23.7	0.34	26.74	28.67	92.8	6.32	13.03	7.84	26.80
2016/11/02	MF	DS3	08:14	T	1.4	296.4	1.19	26.73	28.58	93.49	6.38	6.21	7.84	23.50
2016/11/02	MF	DS4	08:18	B	8	228.1	0.44	26.69	28.42	93.21	6.37	18.42	7.82	26.90
2016/11/02	MF	DS4	08:18	M	5	342	0.62	26.66	28.25	92.65	6.34	4.07	7.83	31.90
2016/11/02	MF	DS4	08:19	T	1.3	36.5	0.48	26.52	27.49	91.71	6.32	3.71	7.8	29.80
2016/11/02	MF	DS4	08:20	B	8	326.1	0.08	26.7	28.74	92.53	6.31	14.47	7.84	28.50
2016/11/02	MF	DS4	08:20	M	5.1	130.1	0.79	26.72	28.46	92.38	6.31	4.13	7.83	31.00
2016/11/02	MF	DS4	08:21	T	1.3	328.7	0.23	26.52	27.75	91.92	6.32	3.72	7.8	29.60
2016/11/02	MF	DS5	08:35	B	7.8	319.7	0.24	26.71	28.46	93.01	6.35	17.39	7.81	32.30
2016/11/02	MF	DS5	08:36	M	5	33.3	0.47	26.63	28.2	92.68	6.34	4.8	7.81	25.10
2016/11/02	MF	DS5	08:37	T	1.3	35.4	1.07	26.57	27.4	91.36	6.29	3.77	7.77	27.70
2016/11/02	MF	DS5	08:38	B	7.8	101	0.6	26.72	28.53	92.53	6.31	24.3	7.82	32.50
2016/11/02	MF	DS5	08:39	M	5	51.4	0.49	26.63	28.34	92.66	6.34	6.92	7.81	24.50
2016/11/02	MF	DS5	08:40	T	1.1	303.5	0.88	26.57	27.43	91.36	6.29	3.66	7.77	27.50
2016/11/02	MF	MW1	10:12	B	19	301.2	0.14	26.87	30.96	91.89	6.17	11.67	7.87	19.60
2016/11/02	MF	MW1	10:13	M	10.5	111.5	0.84	26.87	30.93	91.51	6.14	9.24	7.86	13.40
2016/11/02	ME	MW1	12:51	M	10.6	301.6	0.92	26.87	30.9	91.41	6.14	5.44	7.91	9.40
2016/11/02	ME	MW1	12:51	T	1.3	169.1	0.58	26.87	30.73	90.13	6.06	4.36	7.9	11.50
2016/11/02	ME	DS	14:11	M	10	95.2	0.4	26.66	29.26	92.89	6.32	6.48	7.92	0.00
2016/11/02	ME	DS	14:12	M	10	183.5	0.26	26.69	29.36	92	6.25	9.43	7.91	0.00
2016/11/02	ME	US	14:17	M	12.3	95	0.23	26.51	29.18	95.48	6.51	7.32	7.93	0.00
2016/11/02	ME	US	14:18	M	12	119.4	0.39	26.51	29.16	95.37	6.51	6.76	7.93	0.00
2016/11/02	ME	US2	14:25	B	7.9	168.6	0.42	26.52	29.82	102.12	6.94	10.71	7.98	#REF!
2016/11/02	ME	US2	14:26	M	5	67.3	0.17	26.55	29.18	98.32	6.7	4.54	7.94	#REF!
2016/11/02	ME	US2	14:27	T	1.2	211.5	0.88	26.54	29.05	97.11	6.63	4.74	7.92	#REF!
2016/11/02	ME	US2	14:27	B	8	61.8	0.57	26.53	29.86	101.58	6.9	11.79	7.97	#REF!
2016/11/02	ME	US2	14:28	M	5	140.3	0.35	26.55	29.21	98.45	6.71	4.5	7.93	#REF!
2016/11/02	ME	US2	14:29	T	1.3	278.4	0.47	26.54	29.05	97.2	6.63	5.03	7.91	#REF!
2016/11/02	ME	US1	14:36	B	7.8	159.9	0.79	26.53	29.78	101.39	6.89	14.04	7.96	#REF!
2016/11/02	ME	US1	14:37	M	5	167.8	0.37	26.54	29.19	98.53	6.72	4.86	7.93	#REF!

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vd

2016/11/02	ME	US1	14:37	T	1.3	179.6	0.55	26.53	29.1	97.02	6.62	5.32	7.91	#REF!
2016/11/02	ME	US1	14:38	B	7.7	166.4	0.57	26.54	29.76	101.56	6.9	9.11	7.96	#REF!
2016/11/02	ME	US1	14:38	M	5.2	122.4	0.23	26.54	29.24	98.39	6.71	4.75	7.92	#REF!
2016/11/02	ME	US1	14:39	T	1.2	178.3	0.89	26.53	29.08	97.2	6.63	4.81	7.91	#REF!
2016/11/02	ME	DS1	14:48	B	7.4	120.3	1.03	26.5	29.57	99.91	6.8	11.21	7.95	#REF!
2016/11/02	ME	DS1	14:49	M	5.2	112.1	0.58	26.51	29.51	100.39	6.84	8.98	7.94	#REF!
2016/11/02	ME	DS1	14:49	T	1.1	230.3	0.26	26.51	29.15	96.79	6.6	6.02	7.91	#REF!
2016/11/02	ME	DS1	14:54	B	7.8	74.3	0.69	26.51	29.6	100.86	6.86	8.23	7.94	#REF!
2016/11/02	ME	DS1	14:55	M	5.2	85.6	0.87	26.53	29.49	100.33	6.83	5.44	7.94	#REF!
2016/11/02	ME	DS1	14:56	T	1.2	162	0.54	26.52	29.19	97.5	6.65	5.2	7.91	#REF!
2016/11/02	ME	DS2	15:01	B	7.9	133.7	1.21	26.67	29.45	92.83	6.31	13.49	7.87	#REF!
2016/11/02	ME	DS2	15:01	M	5	158.8	0.89	26.61	29.35	93.61	6.37	13.54	7.88	#REF!
2016/11/02	ME	DS2	15:02	T	1.2	88.3	0.5	26.53	29.21	96.39	6.57	9.24	7.9	#REF!
2016/11/02	ME	DS2	15:03	B	7.9	109.8	0.76	26.7	29.51	92.75	6.3	14.09	7.87	#REF!
2016/11/02	ME	DS2	15:03	M	5.2	121.2	0.42	26.58	29.38	93.67	6.38	12.97	7.88	#REF!
2016/11/02	ME	DS2	15:04	T	1.2	130	0.27	26.51	29.23	96.31	6.57	7.33	7.89	#REF!
2016/11/02	ME	DS3	15:08	B	5.8	109.4	0.98	26.64	29.34	93.64	6.37	13.19	7.86	#REF!
2016/11/02	ME	DS3	15:09	M	4.2	195.9	1.41	26.65	29.33	92.94	6.32	14.78	7.87	#REF!
2016/11/02	ME	DS3	15:10	T	1.1	119.2	0.79	26.62	29.46	93.27	6.34	11.97	7.88	#REF!
2016/11/02	ME	DS3	15:10	B	5.8	295.2	0.04	26.67	29.62	92.59	6.28	16.38	7.87	#REF!
2016/11/02	ME	DS3	15:12	M	4.2	276.4	0.37	26.64	29.63	92.88	6.31	13.68	7.87	#REF!
2016/11/02	ME	DS3	15:12	T	1.2	79.4	0.71	26.63	29.32	92.93	6.32	12.37	7.87	#REF!
2016/11/02	ME	DS4	15:17	B	20.2	32.4	0.2	26.7	29.52	93.58	6.35	14.2	7.86	#REF!
2016/11/02	ME	DS4	15:18	M	11	99.5	0.71	26.65	29.24	93.73	6.38	14.77	7.87	#REF!
2016/11/02	ME	DS4	15:19	T	1.2	179.5	0.6	26.62	29.2	93.84	6.39	14.26	7.87	#REF!
2016/11/02	ME	DS4	15:20	B	20	34.3	0.57	26.72	29.48	92.31	6.26	14.93	7.86	#REF!