

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O.(mg/l)	Turbidity (NTU)	pH	Suspended Solids (mg/L)
8/9/2011	ME	DS1	B	9.1	129.8	0.52	27.48	27.89	65.5	4.43	6.0	7.69	10
8/9/2011	ME	DS1	B	8.9	111.1	0.43	27.49	27.87	66.3	4.48	6.0	7.70	9
8/9/2011	ME	DS1	M	5.1	105.4	0.38	28.33	25.53	81.6	5.51	20.5	7.78	38
8/9/2011	ME	DS1	M	5.0	110.1	0.65	28.30	25.89	80.1	5.40	15.4	7.78	44
8/9/2011	ME	DS1	T	1.4	123.0	0.84	29.24	21.31	102.2	6.96	1.6	7.91	5
8/9/2011	ME	DS1	T	1.3	130.5	0.85	29.24	21.22	104.7	7.13	1.5	7.93	7
8/9/2011	ME	DS2	B	15.0	91.5	0.19	26.84	29.11	63.7	4.33	7.3	7.69	10
8/9/2011	ME	DS2	B	15.1	268.0	0.03	26.67	29.34	63.6	4.32	6.6	7.70	11
8/9/2011	ME	DS2	M	8.1	60.2	0.59	28.22	26.74	72.0	4.84	6.2	7.74	9
8/9/2011	ME	DS2	M	7.8	52.5	0.26	28.22	26.76	72.4	4.86	5.8	7.75	9
8/9/2011	ME	DS2	T	1.5	125.4	0.67	29.24	21.50	104.3	7.10	1.5	7.91	5
8/9/2011	ME	DS2	T	1.1	121.6	0.76	29.24	21.65	103.2	7.02	1.5	7.91	5
8/9/2011	ME	DS3	B	7.0	83.1	0.33	28.23	26.64	77.2	5.19	6.7	7.76	13
8/9/2011	ME	DS3	B	7.4	41.4	0.52	28.20	26.68	76.3	5.13	9.2	7.77	12
8/9/2011	ME	DS3	M	4.7	84.6	0.87	28.65	25.01	87.6	5.90	2.6	7.81	8
8/9/2011	ME	DS3	M	4.4	71.1	0.56	28.67	24.82	87.5	5.90	2.7	7.82	6
8/9/2011	ME	DS3	T	1.4	104.8	0.81	29.31	21.04	109.0	7.42	1.4	7.95	3
8/9/2011	ME	DS3	T	1.3	112.4	0.69	29.28	21.36	107.7	7.32	1.3	7.94	5
8/9/2011	ME	DS4	B	6.5	56.7	0.87	28.92	25.05	95.2	6.38	2.3	7.83	4
8/9/2011	ME	DS4	B	5.9	58.3	0.58	28.75	24.54	84.9	5.72	2.2	7.80	6
8/9/2011	ME	DS4	M	4.2	80.7	0.50	28.97	23.34	98.1	6.63	2.4	7.86	7
8/9/2011	ME	DS4	M	3.8	108.3	0.86	28.97	23.25	98.7	6.67	2.7	7.86	7
8/9/2011	ME	DS4	T	1.2	101.6	0.77	29.37	20.77	113.0	7.70	1.3	7.97	6
8/9/2011	ME	DS4	T	1.1	119.0	0.91	29.31	21.35	107.2	7.29	1.4	7.94	4
8/9/2011	ME	DS5	B	4.8	60.5	0.68	29.12	23.12	105.2	7.10	1.5	7.90	4
8/9/2011	ME	DS5	B	5.1	68.1	0.72	29.18	23.06	105.7	7.14	1.6	7.92	3
8/9/2011	ME	DS5	M	3.5	97.7	0.63	29.18	22.18	107.1	7.27	1.8	7.91	4
8/9/2011	ME	DS5	M	3.5	62.8	0.68	29.15	22.45	106.4	7.21	1.9	7.91	6
8/9/2011	ME	DS5	T	1.6	95.1	0.84	29.42	20.90	112.2	7.63	1.2	7.97	4
8/9/2011	ME	DS5	T	1.3	111.2	0.61	29.39	20.85	112.7	7.67	1.7	7.97	5
8/9/2011	ME	MW1	B	19.9	38.2	0.31	25.79	30.82	64.3	4.40	0.4	7.69	4
8/9/2011	ME	MW1	B	20.0	93.0	0.42	25.63	31.01	64.4	4.41	0.6	7.74	3
8/9/2011	ME	MW1	M	10.4	97.5	0.31	27.57	27.48	89.0	6.02	0.2	7.89	3
8/9/2011	ME	MW1	M	10.6	298.9	0.03	28.22	26.12	102.6	6.92	0.3	7.99	3
8/9/2011	ME	MW1	T	1.7	72.7	0.47	28.75	24.96	117.5	7.91	0.2	8.03	2
8/9/2011	ME	MW1	T	1.4	89.5	0.23	28.71	24.94	116.4	7.84	0.2	8.04	3
8/9/2011	ME	US1	B	8.8	102.3	0.55	27.87	27.35	68.7	4.63	6.3	7.71	11
8/9/2011	ME	US1	B	8.8	35.0	0.50	27.90	27.26	69.0	4.65	5.7	7.73	9
8/9/2011	ME	US1	M	4.8	122.5	0.53	28.79	24.49	88.9	5.99	0.9	7.85	4
8/9/2011	ME	US1	M	5.2	108.3	0.65	28.99	24.19	99.4	6.69	1.0	7.87	3
8/9/2011	ME	US1	T	1.3	138.6	1.13	29.23	21.16	106.1	7.23	1.3	7.93	5
8/9/2011	ME	US1	T	1.4	132.4	1.27	29.24	20.94	107.2	7.32	1.3	7.96	4
8/9/2011	ME	US2	B	9.0	50.6	0.94	27.34	28.20	72.4	4.89	6.7	7.71	11
8/9/2011	ME	US2	B	9.1	87.1	0.36	27.34	28.23	70.0	4.74	7.1	7.72	9
8/9/2011	ME	US2	M	4.7	139.6	0.99	29.09	23.33	95.6	6.45	1.1	7.88	4
8/9/2011	ME	US2	M	5.2	93.7	0.49	28.16	26.54	83.3	5.61	0.6	7.80	6
8/9/2011	ME	US2	T	1.0	127.7	0.97	29.19	21.33	103.2	7.03	1.0	7.94	5
8/9/2011	ME	US2	T	1.2	126.8	0.91	29.20	20.82	105.3	7.19	0.9	7.97	3

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Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O.(mg/l)	Turbidity (NTU)	pH	Suspended Solids (mg/L)
8/9/2011	MF	DS1	B	9.0	299.0	0.54	28.00	26.33	79.8	5.40	9.8	7.71	13
8/9/2011	MF	DS1	B	8.9	317.1	0.30	27.81	26.78	82.2	5.56	9.0	7.70	15
8/9/2011	MF	DS1	M	5.1	294.1	0.53	28.93	23.96	107.0	7.22	2.9	7.85	18
8/9/2011	MF	DS1	M	4.9	277.5	0.51	28.49	25.07	90.3	6.10	4.4	7.79	16
8/9/2011	MF	DS1	T	1.2	350.8	0.57	29.63	22.71	141.3	9.49	1.4	8.06	4
8/9/2011	MF	DS1	T	1.1	320.1	0.22	29.53	22.73	135.5	9.11	1.9	8.03	5
8/9/2011	MF	DS2	B	9.2	349.6	0.27	27.99	26.46	80.1	5.41	7.9	7.70	13
8/9/2011	MF	DS2	B	8.9	350.5	0.31	28.01	26.40	80.0	5.40	5.1	7.71	13
8/9/2011	MF	DS2	M	5.0	318.0	0.60	28.38	25.43	93.1	6.28	5.1	7.80	9
8/9/2011	MF	DS2	M	4.8	275.3	0.66	28.49	25.06	95.8	6.47	4.9	7.82	10
8/9/2011	MF	DS2	T	1.0	316.3	0.52	29.73	21.31	141.6	9.56	2.2	8.03	4
8/9/2011	MF	DS2	T	1.0	302.1	0.31	29.75	21.33	140.7	9.50	2.3	8.04	5
8/9/2011	MF	DS3	B	8.7	347.7	0.15	28.19	25.84	75.0	5.07	5.1	7.68	26
8/9/2011	MF	DS3	B	9.0	295.2	0.53	28.11	26.17	80.1	5.41	8.5	7.67	24
8/9/2011	MF	DS3	M	5.0	317.5	0.39	28.92	23.52	96.5	6.52	3.6	7.82	7
8/9/2011	MF	DS3	M	5.1	287.1	0.58	28.79	24.55	104.2	7.02	4.1	7.85	8
8/9/2011	MF	DS3	T	1.4	299.5	0.35	29.84	20.17	125.8	8.53	1.8	7.91	3
8/9/2011	MF	DS3	T	1.3	346.7	0.40	29.84	20.22	122.2	8.29	1.8	7.91	4
8/9/2011	MF	DS4	B	8.1	343.3	0.29	28.05	26.31	77.1	5.21	4.8	7.66	8
8/9/2011	MF	DS4	B	8.1	312.2	0.69	28.00	26.43	77.0	5.20	5.9	7.66	7
8/9/2011	MF	DS4	M	5.1	30.1	0.29	28.49	24.81	81.1	5.48	2.7	7.70	6
8/9/2011	MF	DS4	M	5.0	2.3	0.45	28.60	24.39	84.7	5.73	2.4	7.72	5
8/9/2011	MF	DS4	T	1.3	332.5	0.66	29.62	20.97	114.4	7.76	1.7	7.85	4
8/9/2011	MF	DS4	T	1.0	359.6	0.27	29.50	21.09	107.5	7.30	1.7	7.82	4
8/9/2011	MF	DS5	B	8.9	5.7	0.30	28.00	26.53	73.9	4.99	5.2	7.64	9
8/9/2011	MF	DS5	B	8.9	230.4	0.12	28.02	26.45	73.8	4.98	5.2	7.65	8
8/9/2011	MF	DS5	M	5.0	20.6	0.15	28.51	25.25	89.8	6.06	1.5	7.77	6
8/9/2011	MF	DS5	M	5.1	151.3	0.04	28.44	25.01	83.0	5.61	1.8	7.70	6
8/9/2011	MF	DS5	T	1.0	35.1	0.22	29.38	21.63	101.4	6.87	1.9	7.78	6
8/9/2011	MF	DS5	T	1.1	334.8	0.26	29.29	22.27	100.5	6.80	2.1	7.77	5
8/9/2011	MF	MW1	B	20.0	219.8	0.29	25.32	31.27	59.0	4.06	3.6	7.65	7
8/9/2011	MF	MW1	B	19.8	209.3	0.36	25.39	31.11	56.7	3.90	3.2	7.61	6
8/9/2011	MF	MW1	M	10.4	305.3	0.17	25.56	30.88	58.6	4.03	3.0	7.64	4
8/9/2011	MF	MW1	M	10.6	48.3	0.19	25.51	30.97	57.8	3.97	2.5	7.61	5
8/9/2011	MF	MW1	T	1.0	97.3	0.28	27.22	28.13	83.9	5.69	0.8	7.74	4
8/9/2011	MF	MW1	T	1.1	60.0	0.09	27.20	28.14	81.3	5.52	1.0	7.73	5
8/9/2011	MF	US1	B	7.7	313.6	0.59	27.69	27.13	77.7	5.25	6.6	7.67	10
8/9/2011	MF	US1	B	7.9	305.3	0.45	27.83	26.74	80.1	5.42	7.0	7.70	9
8/9/2011	MF	US1	M	4.5	290.3	0.40	28.35	25.59	89.5	6.04	4.3	7.76	8
8/9/2011	MF	US1	M	4.4	296.0	0.46	28.54	25.19	91.9	6.20	2.6	7.78	8
8/9/2011	MF	US1	T	1.2	284.9	0.77	29.44	22.60	131.1	8.83	1.7	8.00	5
8/9/2011	MF	US1	T	1.1	281.3	0.40	29.40	22.65	127.7	8.61	1.5	7.99	5
8/9/2011	MF	US2	B	17.1	223.2	0.18	26.71	29.09	56.2	3.83	8.8	7.58	13
8/9/2011	MF	US2	B	16.7	240.3	0.11	26.74	29.07	59.2	4.02	10.7	7.59	12
8/9/2011	MF	US2	M	9.0	267.5	0.53	27.33	27.91	64.7	4.39	5.9	7.63	12
8/9/2011	MF	US2	M	9.1	249.0	0.23	27.46	27.61	67.1	4.54	7.1	7.65	12
8/9/2011	MF	US2	T	1.2	262.8	0.47	29.73	22.20	142.0	9.55	1.0	8.07	3
8/9/2011	MF	US2	T	1.2	281.3	0.44	29.49	22.51	133.6	9.00	1.4	8.01	4