

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)
5/24/2011	ME	DS1	B	8.1	111.5	0.44	25.49	30.04	80.42	5.56	10.27	7.91	15
5/24/2011	ME	DS1	B	7.7	59	0.5	25.5	30.06	82.11	5.67	9.07	7.91	15
5/24/2011	ME	DS1	M	5.1	102.3	0.12	25.52	29.35	79.21	5.49	8.26	7.9	13
5/24/2011	ME	DS1	M	4.9	121.2	0.25	25.51	29.42	79.22	5.49	8.76	7.9	12
5/24/2011	ME	DS1	T	1.4	100.6	0.41	25.63	27.6	79.01	5.52	4.43	7.88	5
5/24/2011	ME	DS1	T	1.3	114.6	0.82	25.58	27.52	82.72	5.79	3.93	7.89	3
5/24/2011	ME	DS2	B	8.1	73.4	0.54	25.46	29.89	79.7	5.51	8.36	7.9	12
5/24/2011	ME	DS2	B	8	88.7	0.39	25.47	29.72	80.5	5.57	7.25	7.89	11
5/24/2011	ME	DS2	M	4.9	65	0.58	25.57	28.72	78.1	5.43	6.05	7.89	7
5/24/2011	ME	DS2	M	4.8	100.9	0.47	25.59	28.67	78.5	5.46	6.65	7.88	6
5/24/2011	ME	DS2	T	1.5	140.4	0.38	25.4	26.48	87.79	6.2	2.82	7.89	<2
5/24/2011	ME	DS2	T	1.1	105.9	0.53	25.42	26.59	84.79	5.98	3.43	7.9	2
5/24/2011	ME	DS3	B	13.2	349.4	0.22	25.45	30.62	80.59	5.55	12.29	7.9	15
5/24/2011	ME	DS3	B	13	160.2	0.18	25.43	30.49	80.29	5.54	9.17	7.91	16
5/24/2011	ME	DS3	M	7.6	119.8	0.55	25.48	29.47	79.09	5.48	9.27	7.89	6
5/24/2011	ME	DS3	M	7.6	110.1	0.65	25.57	28.79	77.99	5.42	6.75	7.88	6
5/24/2011	ME	DS3	T	1.2	149.3	0.2	25.36	26.47	87.48	6.18	3.33	7.89	3
5/24/2011	ME	DS3	T	1	116	0.4	25.37	26.49	88.47	6.25	2.32	7.89	4
5/24/2011	ME	DS4	B	7	47.2	0.4	25.39	30.35	84.06	5.81	9.17	7.88	12
5/24/2011	ME	DS4	B	6.8	101	0.57	25.38	30.14	84.97	5.88	6.35	7.89	11
5/24/2011	ME	DS4	M	4.5	235.4	0.43	25.44	29.84	80.56	5.58	7.35	7.89	9
5/24/2011	ME	DS4	M	4.4	70.6	0.55	25.47	29.64	80.77	5.59	7.25	7.88	9
5/24/2011	ME	DS4	T	1.1	121.2	0.8	25.44	26.8	87.26	6.15	2.92	7.87	6
5/24/2011	ME	DS4	T	1.1	96.5	0.91	25.51	28.48	80.46	5.61	5.74	7.88	4
5/24/2011	ME	DS5	B	6.9	44.1	0.41	25.38	30.14	81.15	5.61	6.45	7.9	10
5/24/2011	ME	DS5	B	6.8	56.8	0.64	25.38	30.15	80.55	5.57	6.95	7.89	10
5/24/2011	ME	DS5	M	4.6	86.7	0.52	25.44	29.47	80.55	5.59	6.05	7.89	12
5/24/2011	ME	DS5	M	4.6	85.7	0.35	25.46	29.29	80.35	5.58	5.74	7.89	12
5/24/2011	ME	DS5	T	1.1	106.1	0.27	25.37	26.44	88.74	6.27	2.02	7.89	<2
5/24/2011	ME	DS5	T	1	124.7	0.68	25.35	26.24	88.83	6.29	2.12	7.89	2
5/24/2011	ME	MW1	B	18.1	37.2	0.9	25.32	31.12	86.86	5.98	3.43	7.89	4
5/24/2011	ME	MW1	B	17.9	35.5	0.54	25.33	31.09	87.05	5.99	2.32	7.91	5
5/24/2011	ME	MW1	M	10.6	56	0.28	25.39	29.33	86.86	6.03	2.22	7.88	<2
5/24/2011	ME	MW1	M	10.6	78.1	0.49	25.39	29.5	86.65	6.01	1.71	7.91	<2
5/24/2011	ME	MW1	T	1.3	12.7	0.21	25.47	21.02	98.82	7.19	1.41	7.9	<2
5/24/2011	ME	MW1	T	1.2	40.5	0.36	25.46	22.01	97.33	7.04	1.51	7.87	2
5/24/2011	ME	US1	B	9	41.3	0.26	25.49	29.94	82.23	5.68	6.85	7.91	10
5/24/2011	ME	US1	B	9	66.2	0.26	25.5	29.91	78.83	5.45	7.76	7.92	12
5/24/2011	ME	US1	M	5.5	118.4	0.34	25.57	28.49	79.53	5.54	6.35	7.89	9
5/24/2011	ME	US1	M	5.5	135.3	0.12	25.59	28.43	77.73	5.41	5.14	7.89	8
5/24/2011	ME	US1	T	1.2	120.3	0.51	25.62	27.59	80.03	5.59	3.63	7.89	3
5/24/2011	ME	US1	T	1.1	117.5	0.55	25.6	27.34	79.73	5.58	3.73	7.89	3
5/24/2011	ME	US2	B	7.7	51.9	0.32	25.56	28.99	84.55	5.87	3.83	7.92	6
5/24/2011	ME	US2	B	7.5	42.1	0.28	25.56	29.18	88.94	6.17	6.15	7.97	5
5/24/2011	ME	US2	M	5.3	106.7	0.32	25.58	28.38	82.05	5.71	3.83	7.91	5
5/24/2011	ME	US2	M	4.8	72.5	0.51	25.62	28.04	82.14	5.73	3.83	7.91	7
5/24/2011	ME	US2	T	1.3	105.4	0.27	25.56	27.15	82.44	5.78	3.33	7.9	7
5/24/2011	ME	US2	T	1.1	61.3	0.24	25.62	27.49	80.65	5.64	3.73	7.89	5

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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)
5/24/2011	MF	DS1	B	12	230.9	0.21	25.54	28.66	76.58	5.33	10.78	7.85	11
5/24/2011	MF	DS1	B	11.7	316.2	0.34	25.52	28.71	83.84	5.83	8.66	7.86	10
5/24/2011	MF	DS1	M	7	88.8	0.23	25.53	28.51	75.99	5.29	9.17	7.86	10
5/24/2011	MF	DS1	M	6.9	19.3	0.11	25.54	28.52	76.08	5.3	8.86	7.87	12
5/24/2011	MF	DS1	T	1.2	293.1	1.12	25.77	23.96	81.95	5.83	4.13	7.85	4
5/24/2011	MF	DS1	T	1	266.8	0.52	25.74	24.1	83.95	5.97	3.12	7.84	3
5/24/2011	MF	DS2	B	7.7	228.3	0.2	25.61	28.19	76.4	5.32	9.67	7.84	11
5/24/2011	MF	DS2	B	7.7	253.2	0.08	25.61	28.21	76.5	5.33	6.65	7.85	9
5/24/2011	MF	DS2	M	5.2	245.3	0.58	25.7	26.63	74.81	5.25	6.05	7.83	6
5/24/2011	MF	DS2	M	4.8	268.4	0.4	25.73	26.2	76.6	5.39	5.74	7.83	5
5/24/2011	MF	DS2	T	1.3	283.2	0.18	25.71	24.11	85.37	6.08	2.42	7.84	4
5/24/2011	MF	DS2	T	1.2	277	0.45	25.7	23.87	85.26	6.08	2.62	7.85	3
5/24/2011	MF	DS3	B	7.8	329.7	0.25	25.61	28.34	79.61	5.54	7.66	7.87	8
5/24/2011	MF	DS3	B	7.8	235.3	0.23	25.62	28.25	75.12	5.23	7.56	7.86	7
5/24/2011	MF	DS3	M	5.2	290.1	0.45	25.76	26.03	73.23	5.15	6.65	7.82	7
5/24/2011	MF	DS3	M	5	302.4	0.42	25.77	25.6	78.01	5.5	4.53	7.82	9
5/24/2011	MF	DS3	T	1.2	318.7	0.71	25.74	24.96	82.6	5.85	2.82	7.84	2
5/24/2011	MF	DS3	T	1.2	300.1	0.26	25.75	24.98	81.8	5.79	3.23	7.85	<2
5/24/2011	MF	DS4	B	8	340.1	0.41	25.53	29.77	81.63	5.64	9.07	7.89	14
5/24/2011	MF	DS4	B	7.8	170.8	0.03	25.55	29.71	78.13	5.4	13.5	7.89	16
5/24/2011	MF	DS4	M	4.9	305.5	0.45	25.71	27.09	75.35	5.27	8.26	7.83	7
5/24/2011	MF	DS4	M	4.9	325.6	0.34	25.69	27.34	74.14	5.18	5.84	7.84	5
5/24/2011	MF	DS4	T	1.3	306.1	0.27	25.77	24.3	82.23	5.84	3.73	7.83	5
5/24/2011	MF	DS4	T	1.3	297.4	0.56	25.75	24.58	81.22	5.76	3.63	7.84	3
5/24/2011	MF	DS5	B	8	307.1	0.53	25.5	30.71	82.36	5.67	12.59	7.92	11
5/24/2011	MF	DS5	B	7.9	325	0.38	25.54	30.03	81.77	5.64	8.66	7.92	11
5/24/2011	MF	DS5	M	4.7	284.2	0.21	25.74	27.3	75.87	5.3	8.46	7.86	7
5/24/2011	MF	DS5	M	4.6	289.4	0.21	25.69	27.32	74.49	5.21	7.96	7.84	6
5/24/2011	MF	DS5	T	1.2	341	0.33	25.85	23.46	82.15	5.85	3.53	7.84	2
5/24/2011	MF	DS5	T	1.1	59.7	0.01	25.79	23.6	82.66	5.89	5.24	7.82	2
5/24/2011	MF	MW1	B	19	246.3	0.69	25.29	31.96	84.57	5.8	3.33	7.98	5
5/24/2011	MF	MW1	B	18.7	306.6	0.63	25.29	31.91	84.56	5.8	3.02	8.03	4
5/24/2011	MF	MW1	M	10.6	165	0.21	25.34	31.09	82.57	5.68	3.12	8	4
5/24/2011	MF	MW1	M	10.5	309.3	0.32	25.34	31.07	82.26	5.66	2.92	8.01	6
5/24/2011	MF	MW1	T	1.3	2.6	0.38	25.23	25.42	83.75	5.97	2.02	7.96	2
5/24/2011	MF	MW1	T	1.2	221.8	0.28	25.22	24.7	85.46	6.11	2.12	7.94	3
5/24/2011	MF	US1	B	6.9	302.6	0.24	25.7	26.23	79.83	5.61	2.82	7.83	7
5/24/2011	MF	US1	B	6.7	316.6	0.35	25.44	28.95	82.33	5.73	7.45	7.85	7
5/24/2011	MF	US1	M	4.6	317.1	0.41	25.75	24.55	79.04	5.61	4.13	7.81	3
5/24/2011	MF	US1	M	4.5	251.7	0.29	25.75	25.6	80.83	5.7	2.72	7.82	2
5/24/2011	MF	US1	T	1.2	287.8	0.44	25.81	23.49	86.51	6.17	2.12	7.83	<2
5/24/2011	MF	US1	T	1.1	253.8	0.08	25.86	23.59	84.91	6.05	2.12	7.84	2
5/24/2011	MF	US2	B	8	311.2	0.31	25.4	29.98	80.51	5.57	8.66	7.89	17
5/24/2011	MF	US2	B	7.9	305.3	0.24	25.37	30.38	83.1	5.74	10.88	7.87	18
5/24/2011	MF	US2	M	5.1	3.8	0.38	25.5	28.41	78.82	5.49	8.66	7.84	8
5/24/2011	MF	US2	M	5.1	323.4	0.35	25.48	28.63	78.52	5.47	7.96	7.86	10
5/24/2011	MF	US2	T	1.3	275.9	0.5	25.82	23.06	86.58	6.19	3.33	7.84	<2
5/24/2011	MF	US2	T	1.2	292.4	0.29	25.8	23	82.3	5.89	3.83	7.84	<2