

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/09	ME	MW1	B	19.8	76.0	0.25	25.89	30.71	87.4	5.97	1.1	7.86	6
2010/06/09	ME	MW1	M	10.9	43.3	0.28	25.89	30.58	87.1	5.96	0.8	7.86	3
2010/06/09	ME	MW1	T	1.2	72.8	0.62	26.08	26.51	93.8	6.54	0.7	7.93	2
2010/06/09	ME	MW1	B	20.0	11.5	0.17	25.89	30.80	86.7	5.92	0.8	7.86	7
2010/06/09	ME	MW1	M	10.9	133.4	0.15	25.88	30.76	87.1	5.95	0.8	7.87	3
2010/06/09	ME	MW1	T	1.0	65.8	0.60	26.08	26.39	95.0	6.63	0.9	7.95	3
2010/06/09	ME	DS5	B	8.9	84.9	0.26	26.01	27.27	82.4	5.73	11.9	7.87	14
2010/06/09	ME	DS5	M	5.5	88.7	0.47	26.18	25.37	83.1	5.82	5.9	7.94	5
2010/06/09	ME	DS5	T	1.2	91.9	0.87	26.40	18.10	99.0	7.20	2.6	8.11	3
2010/06/09	ME	DS5	B	8.2	71.2	0.30	26.02	27.10	83.3	5.80	9.8	7.91	13
2010/06/09	ME	DS5	M	5.1	113.8	0.68	26.31	23.87	88.9	6.27	4.7	8.01	6
2010/06/09	ME	DS5	T	1.3	95.7	0.99	26.42	18.34	101.6	7.38	3.0	8.13	3
2010/06/09	ME	DS4	B	12.0	53.5	0.22	26.00	27.39	82.0	5.70	10.7	7.92	15
2010/06/09	ME	DS4	M	6.7	121.0	0.38	26.40	23.17	91.3	6.46	3.9	8.05	5
2010/06/09	ME	DS4	T	1.0	95.7	0.99	26.38	17.14	102.1	7.47	4.2	8.11	3
2010/06/09	ME	DS4	B	11.8	85.2	0.18	26.01	27.35	83.4	5.80	9.5	7.93	16
2010/06/09	ME	DS4	M	6.5	105.2	0.50	26.43	22.46	91.7	6.50	4.0	8.06	5
2010/06/09	ME	DS4	T	1.3	95.7	0.99	26.36	16.86	101.2	7.42	2.8	8.11	5
2010/06/09	ME	DS3	B	9.0	87.9	0.25	26.11	26.27	84.8	5.92	8.8	7.96	15
2010/06/09	ME	DS3	M	5.2	122.6	0.55	26.38	22.48	91.0	6.46	4.7	8.06	6
2010/06/09	ME	DS3	T	1.1	124.5	0.79	26.41	16.13	101.7	7.48	2.3	8.13	3
2010/06/09	ME	DS3	B	9.1	87.9	0.25	26.08	26.62	85.5	5.96	9.6	7.94	17
2010/06/09	ME	DS3	M	5.2	114.3	0.50	26.34	23.19	92.2	6.52	4.0	8.03	6
2010/06/09	ME	DS3	T	1.1	121.6	0.74	26.40	16.02	102.0	7.51	2.5	8.12	4
2010/06/09	ME	DS2	B	6.0	110.1	0.25	26.22	25.33	89.4	6.26	5.0	7.95	14
2010/06/09	ME	DS2	M	4.0	107.3	0.54	26.45	22.38	95.4	6.77	1.9	8.05	6
2010/06/09	ME	DS2	T	1.2	126.0	0.75	26.43	16.65	100.8	7.39	2.3	8.09	3
2010/06/09	ME	DS2	B	6.0	104.8	0.42	26.22	25.40	88.2	6.17	5.8	7.96	12
2010/06/09	ME	DS2	M	4.1	107.3	0.54	26.40	23.14	95.2	6.73	2.2	8.04	4
2010/06/09	ME	DS2	T	1.3	126.0	0.75	26.43	16.58	99.5	7.29	2.6	8.07	4
2010/06/09	ME	DS1	B	5.1	100.3	0.45	26.29	24.47	90.8	6.39	7.1	7.99	10
2010/06/09	ME	DS1	M	3.4	145.8	0.68	26.39	23.17	88.5	6.26	4.4	7.99	11
2010/06/09	ME	DS1	T	1.2	146.6	0.85	26.47	16.61	97.6	7.15	2.6	8.03	4
2010/06/09	ME	DS1	B	5.0	96.2	0.38	26.27	24.67	90.2	6.34	7.0	7.96	12
2010/06/09	ME	DS1	M	3.4	145.8	0.68	26.35	23.76	88.0	6.20	4.6	7.98	10
2010/06/09	ME	DS1	T	1.3	146.6	0.85	26.48	16.49	95.4	6.99	3.0	7.99	4
2010/06/09	ME	US1	B	6.0	104.8	0.48	26.21	25.86	85.9	6.00	6.4	7.91	9
2010/06/09	ME	US1	M	3.8	138.0	0.65	26.31	24.71	83.0	5.83	5.8	7.93	12
2010/06/09	ME	US1	T	1.2	147.9	0.87	26.46	16.20	96.6	7.09	3.2	7.99	4
2010/06/09	ME	US1	B	6.2	104.8	0.48	26.19	26.05	84.3	5.88	7.1	7.90	9
2010/06/09	ME	US1	M	4.1	138.0	0.65	26.30	23.63	84.5	5.97	6.3	7.94	10
2010/06/09	ME	US1	T	1.3	158.4	0.90	26.50	16.89	95.7	7.00	2.9	7.99	4

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/09	ME	US2	B	5.7	122.0	0.24	26.17	26.31	78.0	5.44	8.7	7.91	11
2010/06/09	ME	US2	M	3.8	149.2	0.71	26.41	23.47	85.6	6.04	4.6	7.95	6
2010/06/09	ME	US2	T	1.1	146.2	0.91	26.39	14.97	99.1	7.34	3.0	8.04	4
2010/06/09	ME	US2	B	5.9	113.4	0.35	26.17	26.22	79.0	5.51	8.5	7.92	11
2010/06/09	ME	US2	M	3.9	144.5	0.74	26.33	23.84	84.7	5.97	5.6	7.94	7
2010/06/09	ME	US2	T	1.0	150.4	0.92	26.35	14.19	100.0	7.44	3.4	8.04	4
2010/06/09	MF	DS5	B	6.0	345.3	0.17	26.33	23.34	87.3	6.17	6.1	7.84	7
2010/06/09	MF	DS5	M	3.9	124.2	0.23	26.37	16.34	83.4	6.13	5.9	7.76	8
2010/06/09	MF	DS5	T	1.2	97.9	0.39	26.37	11.83	87.9	6.63	6.1	7.73	6
2010/06/09	MF	DS5	B	6.1	300.4	0.27	26.31	23.55	83.1	5.87	5.8	7.81	8
2010/06/09	MF	DS5	M	4.1	283.3	0.14	26.35	21.43	80.3	5.74	6.5	7.81	7
2010/06/09	MF	DS5	T	1.1	97.9	0.39	26.37	11.76	87.8	6.62	6.2	7.73	6
2010/06/09	MF	DS4	B	6.0	279.7	0.16	26.43	21.49	88.2	6.29	4.5	7.83	5
2010/06/09	MF	DS4	M	4.0	133.9	0.28	26.53	19.29	86.5	6.24	4.8	7.86	7
2010/06/09	MF	DS4	T	1.3	124.1	0.27	26.52	14.01	92.4	6.87	5.2	7.85	6
2010/06/09	MF	DS4	B	5.9	271.8	0.16	26.44	21.44	84.9	6.06	4.3	7.83	6
2010/06/09	MF	DS4	M	3.9	136.2	0.17	26.48	20.50	83.0	5.95	4.6	7.85	6
2010/06/09	MF	DS4	T	1.2	141.1	0.15	26.51	13.12	91.2	6.81	5.0	7.85	6
2010/06/09	MF	DS3	B	6.0	297.0	0.11	26.46	20.14	91.7	6.59	4.0	7.85	6
2010/06/09	MF	DS3	M	4.0	289.9	0.09	26.56	19.08	87.8	6.34	3.6	7.86	5
2010/06/09	MF	DS3	T	1.2	163.7	0.12	26.50	13.34	92.7	6.92	4.5	7.85	4
2010/06/09	MF	DS3	B	6.0	292.3	0.17	26.51	19.20	87.4	6.31	3.5	7.86	4
2010/06/09	MF	DS3	M	4.1	305.1	0.08	26.57	19.05	87.1	6.29	3.5	7.86	4
2010/06/09	MF	DS3	T	1.3	302.0	0.19	26.59	17.98	89.3	6.48	3.7	7.88	5
2010/06/09	MF	DS2	B	6.0	1.1	0.15	26.38	20.26	93.0	6.69	4.1	7.89	5
2010/06/09	MF	DS2	M	4.1	316.3	0.13	26.46	17.47	91.8	6.70	3.8	7.89	4
2010/06/09	MF	DS2	T	1.3	99.5	0.01	26.45	13.92	95.9	7.14	4.7	7.87	6
2010/06/09	MF	DS2	B	6.0	13.1	0.09	26.36	21.06	91.5	6.55	3.7	7.88	7
2010/06/09	MF	DS2	M	4.0	320.9	0.16	26.43	17.48	90.8	6.63	3.6	7.88	4
2010/06/09	MF	DS2	T	1.3	341.6	0.16	26.47	16.70	92.8	6.80	3.7	7.88	5
2010/06/09	MF	DS1	B	6.0	94.1	0.32	26.30	23.67	92.3	6.52	5.4	7.88	7
2010/06/09	MF	DS1	M	4.0	333.2	0.28	26.42	15.62	92.0	6.79	3.4	7.90	5
2010/06/09	MF	DS1	T	1.4	341.6	0.16	26.45	15.17	97.5	7.21	3.7	7.90	5
2010/06/09	MF	DS1	B	6.0	307.8	0.25	26.30	23.85	87.9	6.20	4.0	7.88	6
2010/06/09	MF	DS1	M	4.0	8.5	0.22	26.41	18.43	90.1	6.54	3.0	7.89	7
2010/06/09	MF	DS1	T	1.3	354.9	0.07	26.48	14.25	98.7	7.33	4.4	7.91	5
2010/06/09	MF	US1	B	5.8	342.9	0.46	26.23	24.37	94.3	6.64	6.8	7.91	10
2010/06/09	MF	US1	M	4.0	310.5	0.48	26.36	18.95	94.7	6.86	4.8	7.95	6
2010/06/09	MF	US1	T	1.4	316.2	0.51	26.42	15.03	100.9	7.46	3.1	7.97	4
2010/06/09	MF	US1	B	6.0	310.2	0.16	26.22	24.66	93.6	6.58	7.8	7.92	10
2010/06/09	MF	US1	M	4.0	313.5	0.29	26.37	19.44	95.5	6.89	4.0	7.96	6
2010/06/09	MF	US1	T	1.3	316.2	0.51	26.40	16.03	98.7	7.26	3.1	7.96	3

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Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/09	MF	US2	B	5.1	324.7	0.52	26.21	24.64	94.7	6.66	7.0	7.95	9
2010/06/09	MF	US2	M	3.5	305.9	0.60	26.26	23.79	94.2	6.65	5.4	7.97	8
2010/06/09	MF	US2	T	1.4	316.2	0.51	26.37	18.64	102.6	7.44	4.5	8.01	7
2010/06/09	MF	US2	B	5.1	307.6	0.46	26.23	24.39	97.1	6.83	6.0	7.96	11
2010/06/09	MF	US2	M	3.5	302.0	0.59	26.28	23.66	97.1	6.86	5.0	7.97	10
2010/06/09	MF	US2	T	1.2	314.5	0.61	26.42	17.23	104.8	7.65	2.6	8.02	6
2010/06/09	MF	MW1	B	18.0	77.9	0.14	25.91	30.86	91.9	6.27	2.7	7.88	4
2010/06/09	MF	MW1	M	10.2	249.8	0.11	25.93	30.21	90.2	6.18	3.1	7.89	3
2010/06/09	MF	MW1	T	1.3	138.4	0.12	26.11	26.83	95.2	6.62	1.6	7.93	2
2010/06/09	MF	MW1	B	18.1	77.9	0.14	25.91	30.82	90.7	6.19	2.5	7.91	5
2010/06/09	MF	MW1	M	10.1	267.0	0.47	25.97	29.58	91.8	6.30	1.8	7.93	5
2010/06/09	MF	MW1	T	1.4	108.6	0.18	26.13	26.54	95.4	6.65	1.2	7.96	3
2010/06/12	ME	MW1	B	20.1	14.4	0.27	26.21	29.44	83.7	5.73	1.7	7.55	6
2010/06/12	ME	MW1	M	11.1	0.2	0.37	26.68	25.07	87.6	6.10	2.2	7.56	8
2010/06/12	ME	MW1	T	1.3	63.9	0.64	26.88	23.19	90.0	6.31	1.3	7.57	3
2010/06/12	ME	MW1	B	20.0	48.1	0.26	26.27	28.66	85.7	5.89	1.9	7.59	4
2010/06/12	ME	MW1	M	10.9	337.9	0.32	26.58	25.75	88.1	6.12	3.2	7.60	7
2010/06/12	ME	MW1	T	1.2	63.9	0.64	27.34	20.36	91.6	6.47	1.5	7.64	3
2010/06/12	ME	US2	B	5.8	117.2	0.35	26.32	26.66	79.7	5.53	8.3	7.84	12
2010/06/12	ME	US2	M	3.9	146.6	0.67	26.54	24.94	76.8	5.36	4.1	7.76	6
2010/06/12	ME	US2	T	1.2	187.5	0.97	27.13	19.99	82.8	5.89	2.7	7.76	3
2010/06/12	ME	US2	B	5.9	117.2	0.35	26.31	26.94	81.3	5.64	7.5	7.80	10
2010/06/12	ME	US2	M	3.9	144.2	0.58	26.50	25.22	77.2	5.38	4.7	7.75	7
2010/06/12	ME	US2	T	1.1	153.7	0.73	27.30	18.43	86.7	6.20	2.8	7.75	2
2010/06/12	ME	US1	B	4.6	163.1	0.55	26.41	26.00	80.6	5.61	5.9	7.86	9
2010/06/12	ME	US1	M	3.4	179.0	0.83	26.55	24.83	78.1	5.46	4.9	7.82	8
2010/06/12	ME	US1	T	1.2	158.7	1.01	27.01	19.93	83.1	5.92	2.5	7.81	6
2010/06/12	ME	US1	B	4.9	127.6	0.71	26.36	26.47	80.8	5.61	6.9	7.85	9
2010/06/12	ME	US1	M	3.4	181.0	0.63	26.58	24.44	78.0	5.46	4.3	7.80	9
2010/06/12	ME	US1	T	1.2	142.8	0.90	27.10	20.06	83.1	5.91	2.8	7.80	4
2010/06/12	ME	DS1	B	5.0	118.3	0.60	26.65	23.82	82.8	5.81	6.0	7.85	7
2010/06/12	ME	DS1	M	3.5	136.4	0.63	26.71	23.17	81.3	5.72	5.4	7.82	8
2010/06/12	ME	DS1	T	1.1	105.0	0.98	26.86	21.95	82.9	5.86	3.4	7.81	4
2010/06/12	ME	DS1	B	4.9	112.1	0.57	26.58	24.13	82.7	5.80	5.7	7.87	7
2010/06/12	ME	DS1	M	3.5	137.1	0.61	26.66	23.15	81.0	5.70	5.1	7.85	7
2010/06/12	ME	DS1	T	1.3	114.2	0.73	27.22	18.60	85.0	6.08	2.8	7.83	4
2010/06/12	ME	DS2	B	5.0	112.1	0.57	26.60	24.34	84.3	5.90	11.4	7.86	16
2010/06/12	ME	DS2	M	3.5	137.1	0.61	26.63	23.96	81.3	5.70	9.4	7.84	8
2010/06/12	ME	DS2	T	1.2	129.9	0.90	27.20	18.55	86.3	6.18	2.7	7.80	3
2010/06/12	ME	DS2	B	4.9	111.8	0.62	26.60	24.29	84.3	5.90	9.1	7.91	17
2010/06/12	ME	DS2	M	3.5	152.2	0.67	26.68	23.44	81.7	5.74	6.3	7.86	9
2010/06/12	ME	DS2	T	1.2	82.3	0.80	27.38	18.26	86.2	6.16	2.7	7.83	4

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2010/06/12	ME	DS3	B	7.0	103.8	0.22	26.59	24.43	81.3	5.69	16.2	7.86	22
2010/06/12	ME	DS3	M	4.6	149.7	0.51	26.63	23.99	80.9	5.67	10.9	7.84	21
2010/06/12	ME	DS3	T	1.2	138.4	0.86	26.87	21.88	83.5	5.90	4.6	7.84	3
2010/06/12	ME	DS3	B	7.1	96.5	0.19	26.62	24.02	85.1	5.96	17.5	7.89	22
2010/06/12	ME	DS3	M	4.5	59.9	0.44	26.65	23.69	80.9	5.68	15.9	7.85	22
2010/06/12	ME	DS3	T	1.1	145.1	0.66	26.87	21.97	84.4	5.96	5.6	7.85	3
2010/06/12	ME	DS4	B	11.8	73.5	0.24	26.56	25.13	83.4	5.81	8.4	7.89	12
2010/06/12	ME	DS4	M	6.9	104.9	0.38	26.58	24.60	81.4	5.69	8.3	7.86	10
2010/06/12	ME	DS4	T	1.1	145.1	0.66	27.48	18.61	88.5	6.30	2.9	7.85	3
2010/06/12	ME	DS4	B	11.9	73.5	0.24	26.56	25.00	81.5	5.68	8.5	7.87	11
2010/06/12	ME	DS4	M	7.1	89.3	0.46	26.61	24.36	81.0	5.67	7.7	7.86	13
2010/06/12	ME	DS4	T	1.1	133.1	0.64	27.42	18.69	85.7	6.10	4.1	7.84	3
2010/06/12	ME	DS5	B	9.0	93.1	0.43	26.58	25.12	83.9	5.85	7.0	7.91	10
2010/06/12	ME	DS5	M	5.5	138.2	0.47	26.64	24.20	81.0	5.67	5.8	7.88	8
2010/06/12	ME	DS5	T	1.1	133.1	0.64	26.89	21.65	83.5	5.90	4.1	7.87	4
2010/06/12	ME	DS5	B	8.9	103.0	0.38	26.58	25.19	84.7	5.90	6.5	7.90	9
2010/06/12	ME	DS5	M	5.5	105.6	0.49	26.66	24.00	81.8	5.73	6.1	7.88	8
2010/06/12	ME	DS5	T	1.3	122.2	0.67	27.08	20.93	85.3	6.03	4.0	7.87	6
2010/06/12	MF	DS5	B	6.0	339.0	0.27	26.66	24.11	72.1	5.05	12.9	7.73	15
2010/06/12	MF	DS5	M	4.0	330.6	0.31	26.76	22.52	68.7	4.85	8.6	7.69	12
2010/06/12	MF	DS5	T	1.2	284.8	0.16	27.32	17.22	69.9	5.03	9.0	7.63	9
2010/06/12	MF	DS5	B	6.0	343.1	0.25	26.67	24.04	69.8	4.89	13.5	7.74	15
2010/06/12	MF	DS5	M	4.1	330.6	0.31	26.76	22.43	67.6	4.77	7.8	7.71	11
2010/06/12	MF	DS5	T	1.1	284.8	0.16	27.34	17.25	70.0	5.04	8.6	7.67	10
2010/06/12	MF	DS4	B	6.0	328.6	0.20	26.97	21.71	71.5	5.05	6.9	7.75	9
2010/06/12	MF	DS4	M	4.0	267.8	0.32	27.15	20.38	71.8	5.09	7.6	7.74	9
2010/06/12	MF	DS4	T	1.2	214.8	0.29	27.48	16.39	72.0	5.19	8.7	7.68	10
2010/06/12	MF	DS4	B	6.0	349.9	0.31	27.01	21.47	74.1	5.24	7.7	7.76	8
2010/06/12	MF	DS4	M	4.0	267.8	0.32	27.20	20.00	72.5	5.15	7.8	7.73	8
2010/06/12	MF	DS4	T	1.1	214.8	0.29	27.38	16.91	71.5	5.15	9.5	7.66	11
2010/06/12	MF	DS3	B	6.0	350.7	0.27	27.24	19.60	75.5	5.36	7.3	7.76	8
2010/06/12	MF	DS3	M	4.0	319.1	0.26	27.45	18.52	75.8	5.40	7.4	7.76	8
2010/06/12	MF	DS3	T	1.2	325.3	0.31	27.52	16.89	74.7	5.36	7.6	7.72	8
2010/06/12	MF	DS3	B	6.0	350.7	0.27	27.19	19.78	75.6	5.37	5.9	7.76	9
2010/06/12	MF	DS3	M	3.9	319.1	0.26	27.47	18.34	75.9	5.41	6.5	7.76	10
2010/06/12	MF	DS3	T	1.2	351.8	0.50	27.53	16.68	74.7	5.37	7.3	7.72	8
2010/06/12	MF	DS2	B	6.0	280.5	0.19	26.66	23.40	75.7	5.32	14.0	7.81	21
2010/06/12	MF	DS2	M	4.0	345.7	0.38	27.35	18.51	76.5	5.46	5.6	7.77	7
2010/06/12	MF	DS2	T	1.1	333.1	0.45	27.66	17.23	79.6	5.69	5.6	7.78	6
2010/06/12	MF	DS2	B	5.8	306.4	0.22	26.76	22.76	75.5	5.31	8.3	7.81	18
2010/06/12	MF	DS2	M	4.1	318.9	0.27	27.31	17.73	75.6	5.42	6.1	7.77	8
2010/06/12	MF	DS2	T	1.1	333.1	0.45	27.62	17.29	79.5	5.69	4.8	7.78	7

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/12	MF	DS1	B	5.1	301.4	0.22	26.64	23.66	75.6	5.31	13.0	7.82	16
2010/06/12	MF	DS1	M	3.4	359.5	0.54	27.32	18.50	77.3	5.52	6.2	7.79	16
2010/06/12	MF	DS1	T	1.1	336.7	0.53	27.48	17.20	78.8	5.65	4.3	7.77	6
2010/06/12	MF	DS1	B	5.0	301.4	0.22	26.63	23.74	75.4	5.29	12.1	7.82	16
2010/06/12	MF	DS1	M	3.6	335.0	0.52	27.20	19.19	78.7	5.61	9.0	7.80	19
2010/06/12	MF	DS1	T	1.3	336.7	0.53	27.48	17.17	79.5	5.70	4.3	7.78	5
2010/06/12	MF	US1	B	5.9	317.7	0.76	26.67	24.37	80.7	5.64	16.1	7.86	23
2010/06/12	MF	US1	M	3.9	336.1	0.62	27.48	19.69	89.5	6.33	3.9	7.87	9
2010/06/12	MF	US1	T	1.3	318.2	0.68	27.50	18.91	86.8	6.17	3.6	7.85	5
2010/06/12	MF	US1	B	5.9	321.0	0.57	26.68	24.35	81.9	5.72	10.8	7.85	22
2010/06/12	MF	US1	M	4.0	319.6	0.79	26.89	22.62	82.7	5.81	6.7	7.84	8
2010/06/12	MF	US1	T	1.2	339.9	0.86	27.49	19.38	89.6	6.35	3.7	7.83	6
2010/06/12	MF	US2	B	4.9	312.0	0.34	26.70	24.67	81.3	5.67	9.1	7.86	13
2010/06/12	MF	US2	M	3.7	312.8	0.49	26.71	24.64	81.3	5.67	8.7	7.86	13
2010/06/12	MF	US2	T	1.1	303.1	0.61	27.33	20.76	88.0	6.21	3.0	7.87	4
2010/06/12	MF	US2	B	4.9	312.0	0.34	26.65	24.78	81.8	5.71	10.3	7.85	13
2010/06/12	MF	US2	M	3.5	319.9	0.52	26.68	24.61	80.4	5.61	9.6	7.85	18
2010/06/12	MF	US2	T	1.1	315.4	0.64	27.31	21.11	87.5	6.16	4.0	7.88	4
2010/06/12	MF	MW1	B	17.8	95.4	0.12	26.23	29.93	84.1	5.74	4.4	7.88	8
2010/06/12	MF	MW1	M	9.9	249.0	0.04	26.30	29.08	83.3	5.70	5.2	7.83	6
2010/06/12	MF	MW1	T	1.1	174.8	0.07	26.44	27.53	83.6	5.76	3.2	7.82	4
2010/06/12	MF	MW1	B	18.1	104.6	0.18	26.22	30.11	85.1	5.80	7.5	7.86	8
2010/06/12	MF	MW1	M	9.8	268.6	0.08	26.26	29.21	82.0	5.61	4.1	7.85	6
2010/06/12	MF	MW1	T	1.3	30.1	0.04	26.44	27.56	83.0	5.72	3.1	7.85	3
2010/06/17	MF	MW1	B	18.9	45.0	0.24	26.78	27.61	79.4	5.44	2.6	7.69	5
2010/06/17	MF	MW1	M	10.9	100.7	0.06	27.20	23.01	80.6	5.63	3.6	7.66	4
2010/06/17	MF	MW1	T	1.1	231.2	0.05	27.63	14.78	85.8	6.23	2.9	7.55	5
2010/06/17	MF	MW1	B	18.9	31.4	0.34	26.84	27.07	79.9	5.48	4.3	7.66	5
2010/06/17	MF	MW1	M	11.3	153.4	0.06	27.05	24.82	80.3	5.56	4.5	7.65	4
2010/06/17	MF	MW1	T	1.3	226.1	0.15	27.61	14.79	85.6	6.21	3.0	7.55	5
2010/06/17	MF	DS5	B	6.9	335.5	0.32	27.56	19.07	79.1	5.61	5.8	7.64	8
2010/06/17	MF	DS5	M	4.9	336.9	0.25	27.61	18.42	78.4	5.58	3.1	7.60	4
2010/06/17	MF	DS5	T	1.2	227.3	0.02	27.54	10.95	76.5	5.68	7.4	7.42	7
2010/06/17	MF	DS5	B	6.8	17.9	0.10	27.56	18.93	78.7	5.59	5.2	7.57	7
2010/06/17	MF	DS5	M	4.9	356.7	0.34	27.61	18.29	77.6	5.52	3.9	7.58	4
2010/06/17	MF	DS5	T	1.2	342.6	0.15	27.52	11.25	75.8	5.62	6.9	7.41	7
2010/06/17	MF	DS4	B	7.0	349.9	0.38	27.60	18.00	79.8	5.69	4.9	7.58	6
2010/06/17	MF	DS4	M	5.0	318.2	0.16	27.61	16.90	76.4	5.48	4.3	7.55	4
2010/06/17	MF	DS4	T	1.1	298.0	0.27	27.53	10.76	79.1	5.88	7.7	7.44	9
2010/06/17	MF	DS4	B	6.9	1.8	0.32	27.59	17.74	77.8	5.55	5.0	7.58	8
2010/06/17	MF	DS4	M	5.0	334.7	0.33	27.61	16.63	76.3	5.48	4.2	7.56	4
2010/06/17	MF	DS4	T	1.2	298.0	0.27	27.55	10.86	79.3	5.89	7.8	7.45	8

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/17	MF	DS3	B	7.1	314.2	0.30	27.56	17.81	76.3	5.45	8.1	7.59	9
2010/06/17	MF	DS3	M	5.1	305.5	0.45	27.58	15.51	76.6	5.54	5.6	7.55	5
2010/06/17	MF	DS3	T	1.0	355.3	0.47	27.57	11.13	81.1	6.01	6.4	7.50	5
2010/06/17	MF	DS3	B	7.0	292.8	0.32	27.55	17.87	76.0	5.43	8.5	7.63	9
2010/06/17	MF	DS3	M	4.9	328.7	0.40	27.57	15.19	76.4	5.54	5.4	7.56	5
2010/06/17	MF	DS3	T	1.2	10.5	0.35	27.58	11.20	81.2	6.01	6.3	7.52	6
2010/06/17	MF	DS2	B	7.0	303.0	0.42	27.47	19.05	76.6	5.44	14.9	7.64	6
2010/06/17	MF	DS2	M	5.0	301.6	0.50	27.59	15.85	79.9	5.76	4.5	7.62	19
2010/06/17	MF	DS2	T	1.3	306.9	0.36	27.56	11.47	79.9	5.91	6.2	7.51	6
2010/06/17	MF	DS2	B	7.2	303.0	0.42	27.45	19.46	76.3	5.41	18.5	7.66	4
2010/06/17	MF	DS2	M	5.0	310.7	0.54	27.54	17.43	79.6	5.70	8.2	7.65	19
2010/06/17	MF	DS2	T	1.3	306.9	0.36	27.57	11.63	79.7	5.89	6.3	7.52	5
2010/06/17	MF	DS1	B	6.1	302.1	0.58	27.56	18.11	86.8	6.19	6.1	7.72	4
2010/06/17	MF	DS1	M	3.9	312.4	0.44	27.73	15.78	89.8	6.47	3.4	7.70	3
2010/06/17	MF	DS1	T	1.3	309.1	0.39	27.83	13.89	88.1	6.40	3.6	7.64	2
2010/06/17	MF	DS1	B	6.0	294.2	0.84	27.63	17.30	87.4	6.25	4.3	7.70	4
2010/06/17	MF	DS1	M	4.2	304.4	0.44	27.72	15.87	89.2	6.42	2.8	7.69	4
2010/06/17	MF	DS1	T	1.2	326.4	0.46	27.82	13.34	87.4	6.37	3.8	7.62	2
2010/06/17	MF	US1	B	8.0	313.0	0.02	27.39	20.56	82.1	5.79	7.3	7.70	8
2010/06/17	MF	US1	M	5.2	271.6	0.14	27.42	19.87	81.3	5.75	6.8	7.68	7
2010/06/17	MF	US1	T	1.2	293.8	0.66	27.58	17.19	84.4	6.04	2.8	7.65	4
2010/06/17	MF	US1	B	8.0	63.8	0.08	27.38	20.61	80.1	5.65	7.3	7.67	8
2010/06/17	MF	US1	M	5.1	327.4	0.24	27.39	20.17	79.6	5.63	7.1	7.65	9
2010/06/17	MF	US1	T	1.3	296.2	0.56	27.66	17.03	84.0	6.02	3.8	7.65	4
2010/06/17	MF	US2	B	4.9	288.4	0.37	27.36	20.52	81.1	5.72	6.1	7.68	8
2010/06/17	MF	US2	M	3.5	285.2	0.39	27.40	19.92	80.3	5.68	5.6	7.67	6
2010/06/17	MF	US2	T	1.2	298.8	0.53	27.70	16.43	86.4	6.20	2.9	7.66	3
2010/06/17	MF	US2	B	5.1	293.0	0.16	27.37	20.56	82.8	5.84	5.5	7.71	7
2010/06/17	MF	US2	M	3.5	299.4	0.57	27.41	20.00	81.9	5.79	4.5	7.69	7
2010/06/17	MF	US2	T	1.1	298.8	0.53	27.72	16.32	88.1	6.33	2.7	7.69	3
2010/06/17	ME	US2	B	6.9	148.5	0.41	27.22	22.08	76.5	5.36	20.3	7.60	30
2010/06/17	ME	US2	M	5.1	125.5	0.37	27.36	20.74	74.5	5.25	15.6	7.56	18
2010/06/17	ME	US2	T	1.3	138.1	0.65	28.27	12.96	95.0	6.88	4.3	7.66	3
2010/06/17	ME	US2	B	6.6	96.2	0.37	27.16	22.61	76.4	5.35	24.3	7.62	29
2010/06/17	ME	US2	M	4.9	125.2	0.24	27.32	21.26	73.8	5.19	20.3	7.57	17
2010/06/17	ME	US2	T	1.3	135.8	0.60	28.24	13.11	94.1	6.82	4.4	7.67	4
2010/06/17	ME	US1	B	5.9	93.3	0.35	28.24	13.02	92.5	6.71	4.4	7.68	16
2010/06/17	ME	US1	M	4.0	146.4	0.75	28.29	12.89	95.7	6.94	4.0	7.70	4
2010/06/17	ME	US1	T	1.1	135.8	0.60	28.29	12.87	96.0	6.96	3.8	7.71	3
2010/06/17	ME	US1	B	5.9	145.7	0.21	27.68	16.12	78.2	5.63	3.6	7.57	18
2010/06/17	ME	US1	M	4.0	81.3	0.27	28.26	13.02	94.3	6.84	4.5	7.71	5
2010/06/17	ME	US1	T	1.3	111.4	0.55	28.28	13.00	95.5	6.92	3.7	7.73	3

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/17	ME	DS1	B	5.9	108.9	0.34	27.28	20.81	80.1	5.66	11.8	7.69	15
2010/06/17	ME	DS1	M	3.9	118.7	0.61	27.29	20.61	79.0	5.58	10.8	7.68	15
2010/06/17	ME	DS1	T	1.2	111.4	0.55	28.30	13.19	94.9	6.87	3.8	7.73	3
2010/06/17	ME	DS1	B	5.9	136.6	0.38	27.28	20.81	79.0	5.58	12.3	7.70	14
2010/06/17	ME	DS1	M	3.9	121.2	0.41	27.28	20.73	78.2	5.52	12.8	7.70	17
2010/06/17	ME	DS1	T	1.3	104.9	0.27	28.18	13.76	90.5	6.54	4.1	7.74	2
2010/06/17	ME	DS2	B	5.7	103.1	0.37	27.30	20.54	80.7	5.70	13.0	7.70	13
2010/06/17	ME	DS2	M	3.9	98.4	0.42	27.31	20.38	78.8	5.57	11.6	7.68	13
2010/06/17	ME	DS2	T	1.3	113.2	0.35	28.31	13.24	95.3	6.89	3.5	7.74	2
2010/06/17	ME	DS2	B	5.9	90.9	0.27	27.29	20.61	80.2	5.67	13.5	7.68	16
2010/06/17	ME	DS2	M	4.0	123.5	0.61	27.30	20.50	78.7	5.56	12.9	7.67	12
2010/06/17	ME	DS2	T	1.0	113.2	0.35	28.19	13.84	91.8	6.63	4.0	7.72	3
2010/06/17	ME	DS3	B	7.0	109.6	0.27	27.32	20.28	80.1	5.67	11.8	7.71	16
2010/06/17	ME	DS3	M	4.9	101.2	0.36	27.38	19.72	79.3	5.62	9.6	7.69	10
2010/06/17	ME	DS3	T	1.1	120.7	0.56	28.30	13.40	94.8	6.85	4.6	7.76	6
2010/06/17	ME	DS3	B	6.9	121.4	0.22	27.31	20.42	79.8	5.64	11.6	7.72	16
2010/06/17	ME	DS3	M	5.0	101.1	0.25	27.36	19.93	79.2	5.61	10.0	7.69	10
2010/06/17	ME	DS3	T	1.1	123.8	0.79	28.32	13.26	95.9	6.93	3.5	7.77	5
2010/06/17	ME	DS4	B	12.9	198.7	0.17	27.18	23.09	77.7	5.42	12.0	7.72	16
2010/06/17	ME	DS4	M	7.5	64.8	0.37	27.28	20.86	78.0	5.50	12.1	7.71	13
2010/06/17	ME	DS4	T	1.3	125.2	0.49	28.27	13.64	94.5	6.82	5.1	7.77	4
2010/06/17	ME	DS4	B	12.7	182.7	0.24	27.17	23.16	79.5	5.55	11.5	7.74	15
2010/06/17	ME	DS4	M	7.4	80.8	0.37	27.30	20.51	78.7	5.56	10.9	7.71	16
2010/06/17	ME	DS4	T	1.3	125.2	0.49	28.26	13.65	94.9	6.85	3.9	7.77	5
2010/06/17	ME	DS5	B	9.5	96.7	0.28	27.14	23.75	79.2	5.51	9.4	7.73	12
2010/06/17	ME	DS5	M	6.1	100.7	0.43	27.26	21.55	78.9	5.55	10.0	7.71	12
2010/06/17	ME	DS5	T	1.1	105.3	0.85	28.35	13.45	97.0	7.00	4.2	7.78	3
2010/06/17	ME	DS5	B	9.9	96.7	0.28	27.14	23.71	78.5	5.46	9.9	7.73	12
2010/06/17	ME	DS5	M	6.1	108.1	0.29	27.33	20.26	79.6	5.63	8.6	7.71	15
2010/06/17	ME	DS5	T	1.3	105.4	0.63	28.31	13.40	96.7	6.99	3.5	7.78	4
2010/06/17	ME	MW1	B	17.8	41.8	0.19	27.61	19.10	87.7	6.22	2.8	7.68	4
2010/06/17	ME	MW1	M	10.1	46.1	0.35	27.98	16.23	95.2	6.81	2.7	7.71	5
2010/06/17	ME	MW1	T	1.2	78.3	0.58	28.04	15.46	98.3	7.06	2.1	7.71	3
2010/06/17	ME	MW1	B	18.0	32.4	0.28	27.67	18.59	88.5	6.28	3.2	7.69	3
2010/06/17	ME	MW1	M	9.9	294.8	0.18	27.97	16.35	95.3	6.82	2.4	7.72	3
2010/06/17	ME	MW1	T	1.0	85.2	0.62	28.05	15.47	98.2	7.05	2.2	7.73	3
2010/06/19	MF	MW1	B	18.5	55.0	0.05	26.53	29.88	71.5	4.86	6.5	7.56	8
2010/06/19	MF	MW1	M	10.5	155.6	0.16	27.10	24.69	74.9	5.19	2.1	7.55	<2
2010/06/19	MF	MW1	T	1.1	199.3	0.27	28.41	11.13	86.8	6.34	4.1	7.51	4
2010/06/19	MF	MW1	B	19.1	349.1	0.08	26.36	31.06	68.6	4.64	9.7	7.60	7
2010/06/19	MF	MW1	M	10.5	183.9	0.15	27.20	23.63	76.5	5.32	1.6	7.62	3
2010/06/19	MF	MW1	T	1.0	223.1	0.11	28.47	11.10	88.1	6.43	4.1	7.58	4
2010/06/19	MF	DS5	B	7.2	338.3	0.39	27.72	17.36	76.1	5.44	3.8	7.64	4
2010/06/19	MF	DS5	M	5.1	319.8	0.09	27.87	13.94	75.6	5.49	4.1	7.57	4
2010/06/19	MF	DS5	T	0.9	285.6	0.28	28.25	5.34	76.9	5.82	11.8	7.34	10

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/19	MF	DS5	B	7.1	345.0	0.30	27.72	17.40	76.4	5.45	4.0	7.65	5
2010/06/19	MF	DS5	M	4.8	353.4	0.12	27.91	12.82	76.1	5.56	5.3	7.56	4
2010/06/19	MF	DS5	T	1.1	285.6	0.28	28.21	6.15	76.8	5.79	10.4	7.38	9
2010/06/19	MF	DS4	B	7.1	230.9	0.14	27.68	17.02	75.3	5.39	4.7	7.63	5
2010/06/19	MF	DS4	M	5.0	290.3	0.21	27.75	15.28	74.2	5.36	4.1	7.60	5
2010/06/19	MF	DS4	T	1.0	16.0	0.13	28.17	5.67	78.0	5.90	11.6	7.41	10
2010/06/19	MF	DS4	B	7.1	12.6	0.29	27.71	16.53	74.3	5.33	4.9	7.67	5
2010/06/19	MF	DS4	M	5.1	290.3	0.21	27.75	14.94	74.1	5.36	4.2	7.64	3
2010/06/19	MF	DS4	T	1.0	336.6	0.30	28.28	5.51	78.1	5.90	11.2	7.45	10
2010/06/19	MF	DS3	B	7.0	64.6	0.18	27.69	16.99	77.6	5.55	7.2	7.69	8
2010/06/19	MF	DS3	M	5.0	213.9	0.35	27.80	14.32	75.3	5.46	6.9	7.63	7
2010/06/19	MF	DS3	T	1.0	303.9	0.21	28.61	4.78	81.9	6.18	13.2	7.47	11
2010/06/19	MF	DS3	B	7.0	64.6	0.18	27.63	17.87	74.2	5.29	7.4	7.72	12
2010/06/19	MF	DS3	M	5.1	310.3	0.17	27.79	14.90	74.4	5.38	6.3	7.67	7
2010/06/19	MF	DS3	T	1.1	303.3	0.22	28.41	5.94	80.8	6.07	12.0	7.49	10
2010/06/19	MF	DS2	B	7.0	61.9	0.05	27.56	18.12	71.1	5.07	10.1	7.70	10
2010/06/19	MF	DS2	M	5.1	331.8	0.22	27.79	15.80	79.1	5.69	7.5	7.70	7
2010/06/19	MF	DS2	T	1.1	303.3	0.22	28.54	5.59	82.4	6.19	11.6	7.50	9
2010/06/19	MF	DS2	B	7.2	275.4	0.06	27.54	18.18	69.0	4.92	10.7	7.70	10
2010/06/19	MF	DS2	M	5.0	289.9	0.25	27.77	15.97	76.5	5.50	7.9	7.71	7
2010/06/19	MF	DS2	T	0.9	1.4	0.12	28.53	5.87	81.8	6.14	10.8	7.53	10
2010/06/19	MF	DS1	B	10.0	127.9	0.23	27.54	18.47	69.5	4.95	13.2	7.71	16
2010/06/19	MF	DS1	M	6.1	244.4	0.16	27.69	17.30	75.8	5.42	8.6	7.74	11
2010/06/19	MF	DS1	T	1.0	1.4	0.12	28.57	5.79	83.9	6.29	10.8	7.55	9
2010/06/19	MF	DS1	B	10.1	65.0	0.13	27.55	18.44	70.3	5.00	13.6	7.73	12
2010/06/19	MF	DS1	M	6.0	284.5	0.11	27.68	17.35	75.2	5.37	9.1	7.74	16
2010/06/19	MF	DS1	T	1.1	140.4	0.11	28.65	5.74	83.2	6.24	10.6	7.57	8
2010/06/19	MF	US1	B	6.0	288.1	0.27	27.83	16.04	80.4	5.78	7.5	7.78	11
2010/06/19	MF	US1	M	4.0	303.6	0.32	28.59	11.52	90.4	6.57	6.1	7.79	7
2010/06/19	MF	US1	T	1.0	140.4	0.11	28.82	6.14	88.0	6.56	9.5	7.64	9
2010/06/19	MF	US1	B	6.0	299.0	0.25	27.73	17.18	80.1	5.73	8.0	7.77	10
2010/06/19	MF	US1	M	4.1	341.4	0.26	27.98	15.50	82.6	5.93	6.3	7.76	8
2010/06/19	MF	US1	T	1.0	41.0	0.06	28.76	7.03	87.5	6.50	9.0	7.64	9
2010/06/19	MF	US2	B	6.1	303.5	0.30	27.59	18.59	76.3	5.43	7.0	7.78	9
2010/06/19	MF	US2	M	4.0	310.6	0.24	28.56	12.18	88.9	6.44	5.3	7.81	5
2010/06/19	MF	US2	T	1.0	41.0	0.06	28.90	6.68	89.0	6.61	9.2	7.68	8
2010/06/19	MF	US2	B	6.1	287.1	0.41	27.58	18.71	74.9	5.32	8.5	7.73	10
2010/06/19	MF	US2	M	4.1	286.3	0.17	28.53	12.28	89.8	6.51	5.0	7.77	5
2010/06/19	MF	US2	T	1.0	47.4	0.18	28.88	6.02	87.5	6.52	9.7	7.61	8
2010/06/19	ME	US2	B	7.0	11.3	0.06	27.19	22.73	65.4	4.57	14.3	7.69	15
2010/06/19	ME	US2	M	5.1	143.5	0.19	27.31	22.07	67.6	4.73	7.5	7.70	10
2010/06/19	ME	US2	T	1.0	127.8	0.31	28.41	10.41	79.5	5.83	6.0	7.61	4
2010/06/19	ME	US2	B	7.0	11.3	0.06	27.19	22.87	66.2	4.62	13.0	7.71	20
2010/06/19	ME	US2	M	4.9	146.0	0.42	27.30	22.25	68.2	4.77	6.3	7.73	9
2010/06/19	ME	US2	T	1.1	127.8	0.31	28.23	12.19	78.8	5.74	5.6	7.66	5
2010/06/19	ME	US1	B	6.0	60.3	0.06	27.50	19.80	72.7	5.14	9.5	7.75	9
2010/06/19	ME	US1	M	4.0	188.0	0.06	27.80	17.04	77.3	5.52	4.9	7.75	3
2010/06/19	ME	US1	T	1.0	175.0	0.47	28.66	8.46	85.7	6.32	6.6	7.71	5
2010/06/19	ME	US1	B	6.0	114.1	0.19	27.26	21.99	65.7	4.61	10.1	7.76	8
2010/06/19	ME	US1	M	4.0	135.5	0.68	27.74	16.74	76.0	5.44	4.7	7.76	3
2010/06/19	ME	US1	T	1.0	105.9	0.14	28.54	9.27	82.7	6.09	6.0	7.70	6
2010/06/19	ME	DS1	B	5.9	179.0	0.34	27.52	21.11	74.3	5.21	9.6	7.76	21
2010/06/19	ME	DS1	M	4.0	123.4	0.27	27.90	15.72	77.0	5.53	5.5	7.77	7
2010/06/19	ME	DS1	T	1.1	120.0	0.32	28.79	8.84	91.6	6.74	5.5	7.87	6

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/19	ME	DS1	B	6.0	128.3	0.37	27.35	21.25	65.5	4.60	14.5	7.76	22
2010/06/19	ME	DS1	M	4.1	151.0	0.35	27.44	20.36	67.1	4.73	8.8	7.76	9
2010/06/19	ME	DS1	T	1.0	103.0	0.42	28.56	9.73	87.0	6.39	5.4	7.82	5
2010/06/19	ME	DS2	B	5.8	140.5	0.30	27.45	20.05	67.2	4.75	17.2	7.79	9
2010/06/19	ME	DS2	M	3.9	91.4	0.28	27.95	15.30	76.5	5.51	7.1	7.80	8
2010/06/19	ME	DS2	T	0.9	103.0	0.42	28.86	8.90	94.4	6.93	5.8	7.92	5
2010/06/19	ME	DS2	B	6.0	111.2	0.44	27.47	20.03	69.7	4.93	13.2	7.79	19
2010/06/19	ME	DS2	M	4.1	146.5	0.77	27.84	17.02	75.1	5.36	6.2	7.79	20
2010/06/19	ME	DS2	T	1.0	108.9	0.50	28.90	8.42	95.1	7.00	5.7	7.93	6
2010/06/19	ME	DS3	B	9.0	181.9	0.06	27.07	24.87	69.1	4.79	15.4	7.86	21
2010/06/19	ME	DS3	M	5.6	89.5	0.22	27.85	16.52	76.3	5.46	6.6	7.78	9
2010/06/19	ME	DS3	T	1.0	108.9	0.50	28.89	8.64	94.9	6.97	5.8	7.93	4
2010/06/19	ME	DS3	B	9.1	316.1	0.15	27.06	25.06	67.6	4.68	16.5	7.84	21
2010/06/19	ME	DS3	M	5.6	86.3	0.36	27.56	18.73	69.7	4.95	10.6	7.75	8
2010/06/19	ME	DS3	T	1.1	108.8	0.70	28.93	8.43	93.6	6.88	6.3	7.94	5
2010/06/19	ME	DS4	B	12.1	56.7	0.04	26.97	25.86	68.7	4.74	9.5	7.86	11
2010/06/19	ME	DS4	M	7.0	102.3	0.25	27.50	19.40	66.8	4.74	16.3	7.78	33
2010/06/19	ME	DS4	T	0.9	108.8	0.70	28.97	8.13	97.1	7.14	6.1	7.97	5
2010/06/19	ME	DS4	B	12.1	56.7	0.04	26.99	25.72	70.1	4.84	8.2	7.83	9
2010/06/19	ME	DS4	M	7.2	102.3	0.25	27.57	18.47	68.5	4.88	10.6	7.75	23
2010/06/19	ME	DS4	T	1.1	120.2	0.63	28.95	8.26	96.3	7.08	6.0	7.92	4
2010/06/19	ME	DS5	B	9.0	162.6	0.52	27.17	23.89	74.4	5.17	7.7	7.87	8
2010/06/19	ME	DS5	M	5.7	71.1	0.28	27.57	18.65	70.7	5.03	8.8	7.79	7
2010/06/19	ME	DS5	T	0.9	120.2	0.63	28.94	8.48	96.9	7.12	5.8	7.95	5
2010/06/19	ME	DS5	B	9.0	57.5	0.05	27.20	23.34	68.3	4.76	11.3	7.82	7
2010/06/19	ME	DS5	M	5.5	71.8	0.28	27.59	18.45	70.3	5.00	7.6	7.77	9
2010/06/19	ME	DS5	T	1.1	128.9	0.76	28.93	8.41	97.3	7.15	5.6	7.93	4
2010/06/19	ME	MW1	B	18.0	107.8	0.09	26.88	27.10	75.0	5.14	2.2	7.78	2
2010/06/19	ME	MW1	M	10.0	334.9	0.11	28.55	13.26	89.7	6.46	3.6	7.78	2
2010/06/19	ME	MW1	T	0.9	80.9	0.12	28.85	9.75	95.6	6.99	4.6	7.80	4
2010/06/19	ME	MW1	B	17.9	157.7	0.16	26.87	27.34	75.1	5.14	3.0	7.80	3
2010/06/19	ME	MW1	M	10.3	138.9	0.13	28.51	13.59	88.8	6.39	3.1	7.79	3
2010/06/19	ME	MW1	T	1.3	94.7	0.40	28.88	10.82	95.5	6.93	4.1	7.83	4
2010/06/21	ME	MW1	B	18.4	333.9	0.16	26.62	29.26	68.3	4.65	2.1	7.63	3
2010/06/21	ME	MW1	M	10.5	47.9	0.11	27.50	21.47	78.1	5.47	2.7	7.67	7
2010/06/21	ME	MW1	T	1.2	85.8	0.50	28.09	10.37	89.4	6.60	5.4	7.63	3
2010/06/21	ME	MW1	B	18.9	52.0	0.12	26.69	29.00	69.1	4.70	1.7	7.66	7
2010/06/21	ME	MW1	M	10.6	91.5	0.27	27.50	21.58	78.7	5.51	2.5	7.71	2
2010/06/21	ME	MW1	T	1.2	53.3	0.17	28.03	9.92	90.2	6.68	5.7	7.64	4
2010/06/21	ME	US2	B	5.0	114.4	0.48	27.43	21.85	66.4	4.64	5.0	7.36	5
2010/06/21	ME	US2	M	3.5	125.7	0.43	28.00	16.19	75.4	5.39	5.3	7.37	4
2010/06/21	ME	US2	T	1.0	135.2	0.50	28.35	8.75	84.2	6.24	7.2	7.31	4
2010/06/21	ME	US2	B	5.0	126.4	0.38	27.29	22.58	62.4	4.36	5.4	7.35	6
2010/06/21	ME	US2	M	3.5	133.2	0.34	28.05	15.32	72.8	5.23	5.1	7.38	5
2010/06/21	ME	US2	T	1.2	135.2	0.50	28.20	10.85	83.4	6.12	7.3	7.35	5
2010/06/21	ME	US1	B	5.5	66.5	0.26	27.20	23.27	62.8	4.37	6.9	7.51	8
2010/06/21	ME	US1	M	4.0	137.7	0.36	27.46	21.00	63.9	4.49	5.4	7.53	5
2010/06/21	ME	US1	T	1.1	117.1	0.47	28.39	8.80	83.9	6.21	6.8	7.47	5
2010/06/21	ME	US1	B	5.9	70.7	0.26	26.93	25.65	62.4	4.31	7.9	7.58	8
2010/06/21	ME	US1	M	3.8	119.1	0.51	27.64	20.99	70.2	4.92	4.8	7.57	6
2010/06/21	ME	US1	T	1.0	117.1	0.47	28.20	10.01	82.7	6.11	7.0	7.52	5
2010/06/21	ME	DS1	B	4.1	110.2	0.47	27.28	22.61	66.1	4.62	6.8	7.59	9
2010/06/21	ME	DS1	M	3.0	128.4	0.60	28.03	15.80	75.5	5.41	4.8	7.60	4
2010/06/21	ME	DS1	T	1.0	115.8	0.58	28.42	9.08	85.5	6.32	6.8	7.57	6

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/21	ME	DS1	B	3.8	98.1	0.36	27.55	20.40	70.2	4.94	4.9	7.66	8
2010/06/21	ME	DS1	M	3.0	111.0	0.55	27.92	16.91	74.1	5.28	4.7	7.64	5
2010/06/21	ME	DS1	T	1.2	89.4	0.80	28.45	8.87	85.7	6.34	6.8	7.59	5
2010/06/21	ME	DS2	B	3.8	98.5	0.61	27.64	19.55	71.4	5.04	4.6	7.65	5
2010/06/21	ME	DS2	M	3.0	98.4	0.62	27.98	16.33	74.9	5.36	4.7	7.65	5
2010/06/21	ME	DS2	T	1.0	89.4	0.80	28.37	9.31	84.9	6.27	6.8	7.59	5
2010/06/21	ME	DS2	B	4.0	86.0	0.58	27.61	19.94	74.1	5.23	6.0	7.69	6
2010/06/21	ME	DS2	M	3.0	98.4	0.62	27.96	16.81	76.1	5.43	5.6	7.66	5
2010/06/21	ME	DS2	T	1.0	116.9	0.63	28.43	9.06	86.1	6.36	6.8	7.61	5
2010/06/21	ME	DS3	B	4.9	92.5	0.50	27.89	15.85	70.5	5.07	5.6	7.67	5
2010/06/21	ME	DS3	M	3.4	117.7	0.70	28.06	15.20	78.2	5.62	5.6	7.66	4
2010/06/21	ME	DS3	T	1.1	116.9	0.63	28.45	9.10	85.8	6.34	6.9	7.62	5
2010/06/21	ME	DS3	B	4.9	98.9	0.59	27.79	18.09	71.9	5.11	4.3	7.67	5
2010/06/21	ME	DS3	M	3.5	110.3	0.56	28.10	14.80	80.4	5.79	6.1	7.65	4
2010/06/21	ME	DS3	T	1.0	97.6	0.55	28.42	9.33	86.3	6.37	6.8	7.62	5
2010/06/21	ME	DS4	B	13.8	261.8	0.07	26.70	28.43	62.0	4.23	12.1	7.72	14
2010/06/21	ME	DS4	M	8.0	77.8	0.24	26.90	25.81	57.9	3.99	13.4	7.68	14
2010/06/21	ME	DS4	T	1.1	105.2	0.86	28.47	8.41	85.1	6.31	7.3	7.63	5
2010/06/21	ME	DS4	B	13.7	279.3	0.05	26.69	28.50	61.2	4.18	12.7	7.74	14
2010/06/21	ME	DS4	M	8.1	94.8	0.22	26.89	26.02	57.9	3.99	13.0	7.70	15
2010/06/21	ME	DS4	T	1.1	93.1	0.86	28.51	8.08	83.3	6.18	7.5	7.65	6
2010/06/21	ME	DS5	B	9.8	240.3	0.06	26.83	26.38	56.1	3.86	16.6	7.71	17
2010/06/21	ME	DS5	M	6.1	73.3	0.37	27.09	23.93	58.6	4.08	10.2	7.72	10
2010/06/21	ME	DS5	T	1.3	93.1	0.86	28.49	8.67	83.8	6.20	7.5	7.65	6
2010/06/21	ME	DS5	B	9.8	154.4	0.14	26.83	26.69	59.1	4.07	15.0	7.73	18
2010/06/21	ME	DS5	M	6.2	105.0	0.32	27.15	23.49	60.3	4.20	8.9	7.72	10
2010/06/21	ME	DS5	T	1.2	96.4	0.70	28.48	8.78	85.4	6.31	7.3	7.66	5
2010/06/21	MF	DS5	B	5.9	269.2	0.22	27.51	20.27	67.0	4.72	5.0	7.60	8
2010/06/21	MF	DS5	M	4.1	184.3	0.43	27.91	14.83	70.5	5.09	7.5	7.49	8
2010/06/21	MF	DS5	T	1.2	203.9	0.49	28.28	11.86	73.8	5.38	8.8	7.46	16
2010/06/21	MF	DS5	B	6.0	291.0	0.13	27.51	20.11	64.3	4.54	4.9	7.56	5
2010/06/21	MF	DS5	M	4.0	168.8	0.39	28.08	12.86	70.7	5.14	7.7	7.47	7
2010/06/21	MF	DS5	T	1.0	215.1	0.58	28.24	12.07	72.5	5.28	8.7	7.48	15
2010/06/21	MF	DS4	B	5.9	215.3	0.21	27.65	18.13	67.9	4.83	5.6	7.62	6
2010/06/21	MF	DS4	M	4.0	212.5	0.31	27.72	17.08	67.4	4.82	6.2	7.59	6
2010/06/21	MF	DS4	T	1.0	215.1	0.58	28.95	10.25	85.7	6.23	9.5	7.63	16
2010/06/21	MF	DS4	B	6.0	218.9	0.22	27.65	18.09	69.6	4.95	5.7	7.64	5
2010/06/21	MF	DS4	M	4.0	215.3	0.34	27.97	14.87	70.9	5.11	6.9	7.61	5
2010/06/21	MF	DS4	T	1.2	284.7	0.61	28.89	4.30	81.3	6.12	21.9	7.48	16
2010/06/21	MF	DS3	B	5.9	271.7	0.07	27.70	18.56	70.2	4.98	4.9	7.71	6
2010/06/21	MF	DS3	M	4.0	275.8	0.48	28.00	16.61	73.6	5.25	5.1	7.69	5
2010/06/21	MF	DS3	T	1.1	284.7	0.61	28.97	8.31	86.4	6.35	14.6	7.67	12
2010/06/21	MF	DS3	B	6.0	174.9	0.14	27.72	18.53	69.4	4.92	4.8	7.67	4
2010/06/21	MF	DS3	M	4.0	265.9	0.46	28.05	16.19	73.4	5.24	5.5	7.68	5
2010/06/21	MF	DS3	T	1.1	277.5	0.34	29.04	8.31	87.0	6.38	14.6	7.67	11
2010/06/21	MF	DS2	B	5.9	254.8	0.17	28.06	18.15	79.4	5.61	5.4	7.74	6
2010/06/21	MF	DS2	M	4.0	264.8	0.32	28.54	15.13	83.3	5.94	4.7	7.78	8
2010/06/21	MF	DS2	T	1.3	276.0	0.26	28.79	12.78	87.7	6.30	6.3	7.80	10
2010/06/21	MF	DS2	B	5.9	241.8	0.27	27.89	17.35	80.0	5.69	3.7	7.74	4
2010/06/21	MF	DS2	M	4.0	274.3	0.31	28.55	15.39	83.7	5.95	4.9	7.79	4
2010/06/21	MF	DS2	T	1.1	275.0	0.65	28.92	11.38	88.8	6.42	8.0	7.80	9
2010/06/21	MF	DS1	B	4.9	262.2	0.33	28.24	16.50	81.7	5.81	5.4	7.80	4
2010/06/21	MF	DS1	M	3.5	256.7	0.46	28.84	14.43	87.4	6.22	4.9	7.83	5
2010/06/21	MF	DS1	T	1.2	275.0	0.65	29.08	9.67	89.9	6.54	9.0	7.78	9

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/21	MF	DS1	B	4.9	296.9	0.17	28.03	16.98	76.8	5.46	4.7	7.74	5
2010/06/21	MF	DS1	M	3.5	299.8	0.23	28.66	14.11	85.1	6.09	5.5	7.77	6
2010/06/21	MF	DS1	T	1.2	283.2	0.18	28.87	10.12	86.7	6.32	8.8	7.74	8
2010/06/21	MF	US1	B	5.0	314.6	0.44	27.89	18.50	73.6	5.20	7.3	7.74	6
2010/06/21	MF	US1	M	3.5	299.2	0.63	28.21	11.18	77.4	5.67	7.1	7.70	6
2010/06/21	MF	US1	T	1.2	327.7	0.63	28.88	8.93	87.0	6.38	9.2	7.72	7
2010/06/21	MF	US1	B	4.8	332.7	0.37	28.12	16.10	76.3	5.45	7.6	7.73	6
2010/06/21	MF	US1	M	3.5	273.5	0.31	28.18	14.93	75.7	5.43	7.5	7.72	7
2010/06/21	MF	US1	T	1.1	300.1	0.29	29.01	8.56	87.0	6.38	9.0	7.71	7
2010/06/21	MF	US2	B	4.9	276.6	0.36	27.49	21.06	68.3	4.79	7.2	7.73	8
2010/06/21	MF	US2	M	3.5	273.5	0.31	28.23	15.64	80.5	5.75	6.8	7.77	6
2010/06/21	MF	US2	T	1.2	300.1	0.29	29.38	7.58	90.7	6.65	9.4	7.74	7
2010/06/21	MF	US2	B	5.0	281.5	0.54	27.52	20.85	67.2	4.72	6.9	7.74	8
2010/06/21	MF	US2	M	3.4	298.5	0.52	28.38	13.49	78.9	5.69	6.7	7.77	4
2010/06/21	MF	US2	T	1.3	323.4	0.34	29.32	7.94	89.9	6.58	9.2	7.75	7
2010/06/21	MF	MW1	B	17.8	136.3	0.19	26.24	31.50	62.4	4.22	4.4	7.63	7
2010/06/21	MF	MW1	M	10.5	236.1	0.15	26.76	28.62	69.2	4.72	2.5	7.64	6
2010/06/21	MF	MW1	T	1.2	97.2	0.26	28.08	20.60	94.6	6.59	1.8	7.79	2
2010/06/21	MF	MW1	B	17.9	106.8	0.19	26.18	31.81	61.4	4.15	5.1	7.59	6
2010/06/21	MF	MW1	M	10.4	264.3	0.16	26.62	29.34	65.8	4.48	2.9	7.62	7
2010/06/21	MF	MW1	T	0.8	82.7	0.14	28.41	16.07	90.3	6.42	2.3	7.74	3
2010/06/23	ME	MW1	B	18.8	75.4	0.27	26.44	29.61	60.7	4.13	6.1	7.69	10
2010/06/23	ME	MW1	M	10.6	50.0	0.13	27.95	17.13	81.8	5.83	4.4	7.78	4
2010/06/23	ME	MW1	T	1.1	102.5	0.90	28.31	13.50	92.8	6.70	4.5	7.81	3
2010/06/23	ME	MW1	B	19.0	132.4	0.62	26.40	29.87	63.3	4.31	5.7	7.71	9
2010/06/23	ME	MW1	M	10.5	219.5	0.10	27.96	17.20	85.3	6.07	4.1	7.81	4
2010/06/23	ME	MW1	T	1.1	102.5	0.90	28.35	13.81	95.1	6.85	4.5	7.85	5
2010/06/23	ME	US2	B	5.8	124.9	0.33	27.20	25.16	62.8	4.33	9.2	7.69	8
2010/06/23	ME	US2	M	4.0	146.5	0.70	27.90	18.41	68.4	4.84	6.3	7.67	9
2010/06/23	ME	US2	T	1.1	138.0	0.86	27.94	7.33	80.9	6.09	6.7	7.55	4
2010/06/23	ME	US2	B	6.0	107.0	0.28	27.16	25.48	63.8	4.40	8.4	7.66	10
2010/06/23	ME	US2	M	4.0	139.5	0.54	27.43	22.98	60.4	4.20	7.0	7.66	8
2010/06/23	ME	US2	T	1.2	135.3	0.94	27.87	7.49	79.6	5.99	6.9	7.55	5
2010/06/23	ME	US1	B	4.9	127.5	0.58	27.42	22.93	64.6	4.49	6.8	7.71	8
2010/06/23	ME	US1	M	3.4	141.9	0.57	28.07	15.80	73.0	5.23	5.9	7.71	4
2010/06/23	ME	US1	T	1.2	149.9	0.80	27.85	7.09	80.7	6.09	7.1	7.58	4
2010/06/23	ME	US1	B	5.1	88.2	0.31	27.30	24.15	65.5	4.54	8.0	7.71	8
2010/06/23	ME	US1	M	3.6	144.3	0.43	27.81	20.43	66.8	4.68	6.4	7.70	6
2010/06/23	ME	US1	T	1.2	149.9	0.80	27.85	7.40	79.2	5.97	7.1	7.59	5
2010/06/23	ME	DS1	B	4.9	110.5	0.25	27.34	23.02	61.2	4.26	9.7	7.73	10
2010/06/23	ME	DS1	M	3.6	104.3	0.31	27.59	19.79	65.6	4.63	7.1	7.72	6
2010/06/23	ME	DS1	T	1.1	143.2	0.64	27.81	10.36	76.5	5.67	7.6	7.64	5
2010/06/23	ME	DS1	B	5.0	72.7	0.33	27.37	22.86	62.6	4.36	8.5	7.73	8
2010/06/23	ME	DS1	M	3.5	123.9	0.61	27.74	19.85	66.3	4.67	6.6	7.74	7
2010/06/23	ME	DS1	T	1.2	146.2	0.67	27.90	6.58	80.5	6.09	6.9	7.59	5
2010/06/23	ME	DS2	B	5.7	90.0	0.36	27.25	23.91	59.4	4.12	11.9	7.73	12
2010/06/23	ME	DS2	M	3.9	107.0	0.36	27.42	21.96	61.2	4.28	9.2	7.73	9
2010/06/23	ME	DS2	T	1.3	145.4	0.66	27.75	13.27	72.5	5.30	7.3	7.70	5
2010/06/23	ME	DS2	B	5.9	115.4	0.18	27.29	24.43	61.5	4.25	14.4	7.75	12
2010/06/23	ME	DS2	M	3.9	108.2	0.50	27.59	20.42	64.2	4.51	8.4	7.75	8
2010/06/23	ME	DS2	T	1.2	117.4	0.78	27.76	6.82	78.7	5.95	7.0	7.61	4
2010/06/23	ME	DS3	B	5.9	109.9	0.22	27.40	22.19	62.5	4.37	14.3	7.73	16
2010/06/23	ME	DS3	M	3.9	105.3	0.48	27.65	20.17	65.5	4.61	7.4	7.74	10
2010/06/23	ME	DS3	T	1.1	107.2	0.80	27.72	6.64	80.5	6.10	7.0	7.59	5

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/23	ME	DS3	B	5.9	114.3	0.33	27.29	23.25	59.4	4.13	16.8	7.74	17
2010/06/23	ME	DS3	M	3.9	87.6	0.80	27.56	20.84	63.2	4.44	9.3	7.74	11
2010/06/23	ME	DS3	T	1.0	107.2	0.80	27.71	8.84	77.9	5.83	7.2	7.61	5
2010/06/23	ME	DS4	B	11.5	133.2	0.05	26.79	27.91	59.0	4.03	10.7	7.77	15
2010/06/23	ME	DS4	M	7.0	86.9	0.55	27.51	20.49	63.5	4.47	10.2	7.74	8
2010/06/23	ME	DS4	T	1.1	84.2	0.53	27.70	7.53	77.7	5.86	7.3	7.60	4
2010/06/23	ME	DS4	B	11.9	140.8	0.10	26.68	28.62	57.0	3.89	13.8	7.74	12
2010/06/23	ME	DS4	M	7.2	87.5	0.54	27.70	17.99	67.3	4.79	7.6	7.73	6
2010/06/23	ME	DS4	T	0.9	84.2	0.53	27.71	7.44	79.8	6.02	7.4	7.61	6
2010/06/23	ME	DS5	B	9.9	85.8	0.21	26.91	26.80	54.7	3.75	14.5	7.74	12
2010/06/23	ME	DS5	M	5.9	97.4	0.57	27.50	20.31	62.4	4.40	14.9	7.74	18
2010/06/23	ME	DS5	T	1.1	109.5	0.88	27.72	6.51	80.5	6.10	7.3	7.61	5
2010/06/23	ME	DS5	B	10.1	85.8	0.21	27.00	26.26	56.1	3.86	12.8	7.75	13
2010/06/23	ME	DS5	M	6.0	93.5	0.62	27.47	20.82	61.3	4.31	13.7	7.75	17
2010/06/23	ME	DS5	T	1.2	109.5	0.88	27.70	7.12	81.2	6.14	7.2	7.61	5
2010/06/23	MF	DS5	B	5.9	195.1	0.23	27.66	16.94	64.1	4.59	9.7	7.63	10
2010/06/23	MF	DS5	M	4.1	206.8	0.25	27.75	13.26	63.4	4.63	11.4	7.59	11
2010/06/23	MF	DS5	T	0.9	196.1	0.18	27.52	5.80	72.1	5.51	16.7	7.44	13
2010/06/23	MF	DS5	B	6.2	195.1	0.23	27.63	18.23	63.3	4.51	10.0	7.66	10
2010/06/23	MF	DS5	M	4.0	206.8	0.25	27.75	14.13	62.8	4.57	10.7	7.61	12
2010/06/23	MF	DS5	T	0.9	196.1	0.18	28.21	12.38	71.2	5.18	9.8	7.67	12
2010/06/23	MF	DS4	B	6.1	225.5	0.25	27.72	18.05	64.2	4.56	8.1	7.68	9
2010/06/23	MF	DS4	M	4.1	223.1	0.24	27.78	17.18	64.9	4.63	8.5	7.71	8
2010/06/23	MF	DS4	T	1.0	252.9	0.14	27.94	6.21	73.9	5.59	13.5	7.56	12
2010/06/23	MF	DS4	B	6.0	216.7	0.22	27.72	18.09	64.4	4.58	8.6	7.72	9
2010/06/23	MF	DS4	M	3.8	257.6	0.22	27.78	17.13	64.9	4.63	8.2	7.74	8
2010/06/23	MF	DS4	T	1.2	252.9	0.14	28.11	9.90	75.4	5.58	11.2	7.67	12
2010/06/23	MF	DS3	B	6.2	264.2	0.29	27.60	19.64	63.1	4.46	7.5	7.82	8
2010/06/23	MF	DS3	M	3.9	340.9	0.30	27.80	14.08	65.2	4.74	8.3	7.80	8
2010/06/23	MF	DS3	T	1.1	350.0	0.20	27.98	8.24	77.7	5.81	12.5	7.73	10
2010/06/23	MF	DS3	B	6.2	264.2	0.29	27.63	19.89	66.7	4.70	6.5	7.84	7
2010/06/23	MF	DS3	M	4.0	340.9	0.30	27.75	18.98	69.6	4.93	7.0	7.86	9
2010/06/23	MF	DS3	T	1.0	350.0	0.20	27.94	8.17	77.4	5.79	12.6	7.71	10
2010/06/23	MF	DS2	B	6.0	264.2	0.29	27.76	19.72	74.9	5.27	6.7	7.91	6
2010/06/23	MF	DS2	M	4.1	352.0	0.17	27.72	18.80	67.9	4.81	7.7	7.86	8
2010/06/23	MF	DS2	T	1.0	3.1	0.13	28.04	7.88	80.9	6.06	11.4	7.71	10
2010/06/23	MF	DS2	B	6.0	288.4	0.40	27.77	19.64	76.1	5.36	6.8	7.91	6
2010/06/23	MF	DS2	M	4.1	320.6	0.29	28.09	9.59	79.9	5.92	9.3	7.74	9
2010/06/23	MF	DS2	T	1.1	3.1	0.13	28.09	8.51	81.1	6.05	11.1	7.71	10
2010/06/23	MF	DS1	B	5.0	313.2	0.20	27.51	19.97	66.6	4.70	9.6	7.80	13
2010/06/23	MF	DS1	M	3.5	283.0	0.18	27.67	14.83	68.7	4.98	9.9	7.73	8
2010/06/23	MF	DS1	T	1.0	328.0	0.26	28.11	9.18	82.9	6.15	8.9	7.72	8
2010/06/23	MF	DS1	B	5.1	332.4	0.49	27.57	18.68	67.0	4.76	9.5	7.79	10
2010/06/23	MF	DS1	M	3.5	337.5	0.27	27.67	13.84	69.3	5.05	9.5	7.73	8
2010/06/23	MF	DS1	T	1.1	328.0	0.26	28.15	8.73	82.9	6.17	9.1	7.73	7
2010/06/23	MF	US1	B	6.1	313.3	0.39	27.53	19.46	67.7	4.79	17.5	6.08	27
2010/06/23	MF	US1	M	3.9	316.7	0.45	27.89	14.49	76.2	5.51	12.2	6.07	10
2010/06/23	MF	US1	T	1.0	352.9	0.45	28.04	9.42	76.9	5.71	8.8	6.07	8
2010/06/23	MF	US1	B	6.0	305.6	0.27	27.53	20.61	67.9	4.77	18.8	6.07	25
2010/06/23	MF	US1	M	3.9	273.0	0.34	27.82	12.62	74.7	5.47	11.0	6.07	11
2010/06/23	MF	US1	T	1.0	352.9	0.45	28.10	9.28	77.5	5.75	8.9	6.07	7
2010/06/23	MF	US2	B	5.2	276.6	0.45	27.40	21.78	66.9	4.69	14.5	6.73	15
2010/06/23	MF	US2	M	3.5	238.4	0.39	27.63	19.88	70.9	5.00	11.5	7.74	14
2010/06/23	MF	US2	T	1.0	291.8	0.44	28.13	9.27	81.7	6.06	8.9	7.69	7

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/23	MF	US2	B	5.0	276.6	0.45	27.42	21.90	65.9	4.61	15.2	7.82	17
2010/06/23	MF	US2	M	3.6	279.4	0.26	27.54	20.75	68.3	4.80	14.2	7.82	14
2010/06/23	MF	US2	T	1.1	291.8	0.44	28.06	10.36	80.9	5.97	9.6	7.74	8
2010/06/23	MF	MW1	B	18.9	133.4	0.15	26.18	30.50	62.1	4.23	9.4	7.97	12
2010/06/23	MF	MW1	M	10.5	249.9	0.12	26.72	27.89	67.3	4.61	5.9	7.84	9
2010/06/23	MF	MW1	T	1.0	191.1	0.06	27.50	23.07	79.8	5.54	3.7	7.96	3
2010/06/23	MF	MW1	B	18.3	197.6	0.06	26.18	30.46	58.0	3.95	9.5	7.75	11
2010/06/23	MF	MW1	M	10.7	269.7	0.19	26.65	28.26	64.7	4.42	5.7	7.79	7
2010/06/23	MF	MW1	T	1.1	153.7	0.10	27.48	23.21	78.8	5.47	3.5	7.91	4
2010/06/25	ME	MW1	B	19.3	69.1	0.15	26.30	27.21	60.7	4.20	4.3	7.19	7
2010/06/25	ME	MW1	M	10.5	51.2	0.06	27.81	14.51	80.8	5.85	5.0	7.47	5
2010/06/25	ME	MW1	T	1.0	84.4	0.83	28.05	12.70	88.4	6.44	5.1	7.53	5
2010/06/25	ME	MW1	B	19.0	103.7	0.31	26.36	26.85	60.7	4.20	4.8	6.99	5
2010/06/25	ME	MW1	M	10.5	59.3	0.34	27.79	14.23	81.6	5.92	5.1	6.95	4
2010/06/25	ME	MW1	T	1.4	92.3	0.94	28.00	12.82	88.0	6.41	5.2	6.94	4
2010/06/25	ME	US2	B	6.1	132.2	0.58	27.18	23.43	60.8	4.23	15.9	7.09	15
2010/06/25	ME	US2	M	3.9	158.8	0.85	27.77	16.34	71.1	5.10	12.4	7.14	13
2010/06/25	ME	US2	T	1.2	153.6	0.98	27.81	9.70	84.1	6.26	8.7	7.22	8
2010/06/25	ME	US2	B	5.9	131.9	0.51	27.13	23.57	62.7	4.37	15.5	7.21	14
2010/06/25	ME	US2	M	4.1	123.5	0.63	27.58	17.62	67.2	4.80	11.6	7.19	13
2010/06/25	ME	US2	T	1.1	143.1	1.12	27.82	9.63	85.3	6.35	8.5	7.26	10
2010/06/25	ME	US1	B	5.1	118.4	0.71	27.42	19.44	70.2	4.98	11.9	7.31	15
2010/06/25	ME	US1	M	3.5	136.5	0.79	27.63	17.42	76.9	5.49	12.0	7.33	10
2010/06/25	ME	US1	T	0.9	153.5	0.94	27.83	9.12	86.1	6.42	8.9	7.37	8
2010/06/25	ME	US1	B	5.1	132.8	0.69	27.34	20.92	68.6	4.83	11.2	7.31	14
2010/06/25	ME	US1	M	3.5	118.0	0.46	27.78	10.87	81.0	5.99	10.5	7.34	8
2010/06/25	ME	US1	T	0.9	133.1	0.78	27.84	9.13	86.8	6.48	9.0	7.37	9
2010/06/25	ME	DS1	B	5.1	97.1	0.28	27.34	20.91	70.3	4.95	19.5	7.34	19
2010/06/25	ME	DS1	M	3.5	127.6	0.81	27.49	17.98	66.1	4.72	14.1	7.41	14
2010/06/25	ME	DS1	T	1.1	133.1	0.78	27.71	9.95	79.8	5.94	10.2	7.50	7
2010/06/25	ME	DS1	B	5.0	108.6	0.35	27.35	20.92	67.7	4.77	13.7	7.32	21
2010/06/25	ME	DS1	M	3.4	106.5	0.57	27.58	17.75	72.2	5.16	11.4	7.39	14
2010/06/25	ME	DS1	T	1.1	120.0	0.69	27.85	8.94	86.9	6.49	8.7	7.45	9
2010/06/25	ME	DS2	B	5.1	106.0	0.50	27.41	19.95	68.3	4.83	13.3	7.40	13
2010/06/25	ME	DS2	M	3.4	120.7	0.84	27.81	10.79	84.0	6.21	8.9	7.47	11
2010/06/25	ME	DS2	T	1.0	122.5	0.94	27.86	8.91	88.7	6.62	8.4	7.48	6
2010/06/25	ME	DS2	B	5.1	77.3	0.51	27.39	20.17	72.8	5.14	13.5	7.52	13
2010/06/25	ME	DS2	M	3.5	113.7	0.65	27.59	18.05	77.4	5.51	11.0	7.51	12
2010/06/25	ME	DS2	T	1.0	124.9	0.90	27.87	8.92	88.5	6.61	8.3	7.57	5
2010/06/25	ME	DS3	B	7.0	73.0	0.26	27.41	19.59	67.1	4.76	20.3	7.40	17
2010/06/25	ME	DS3	M	4.6	102.0	0.40	27.50	18.13	68.5	4.89	15.2	7.41	16
2010/06/25	ME	DS3	T	0.9	126.5	0.86	27.87	9.10	87.2	6.50	8.6	7.46	9
2010/06/25	ME	DS3	B	6.9	125.3	0.25	27.42	19.57	70.6	5.01	15.4	7.34	14
2010/06/25	ME	DS3	M	1.2	126.5	0.86	27.86	8.95	88.4	6.60	8.2	7.54	17
2010/06/25	ME	DS3	T	4.6	97.3	0.79	27.60	14.96	73.3	5.31	10.8	7.52	7
2010/06/25	ME	DS4	B	11.9	66.2	0.08	26.65	26.45	55.3	3.82	15.2	7.38	20
2010/06/25	ME	DS4	M	7.0	94.5	0.42	27.59	16.61	72.6	5.22	11.1	7.47	14
2010/06/25	ME	DS4	T	1.0	105.4	0.88	27.84	8.36	88.7	6.64	8.1	7.53	11
2010/06/25	ME	DS4	B	12.0	168.7	0.01	26.66	26.39	56.9	3.93	13.8	7.36	20
2010/06/25	ME	DS4	M	7.0	79.6	0.40	27.59	16.76	71.5	5.13	12.0	7.42	12
2010/06/25	ME	DS4	T	1.2	105.4	0.88	27.79	7.75	88.0	6.62	9.0	7.50	9
2010/06/25	ME	DS5	B	9.2	56.1	0.19	27.12	22.12	62.8	4.41	18.8	7.47	25
2010/06/25	ME	DS5	M	5.7	90.0	0.55	27.63	16.60	73.5	5.28	10.9	7.53	10
2010/06/25	ME	DS5	T	1.3	96.4	0.99	27.84	8.32	89.5	6.70	8.1	7.59	8

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/25	ME	DS5	B	8.9	63.6	0.20	27.16	22.28	64.7	4.54	22.9	7.51	22
2010/06/25	ME	DS5	M	5.5	99.1	0.47	27.63	16.07	73.3	5.28	12.0	7.56	10
2010/06/25	ME	DS5	T	1.1	99.0	1.02	27.83	8.23	86.6	6.50	8.6	7.57	6
2010/06/25	MF	DS5	B	6.3	119.9	0.17	27.37	14.38	67.2	4.91	15.2	7.35	18
2010/06/25	MF	DS5	M	4.0	184.9	0.14	27.77	13.12	72.8	5.32	15.3	7.44	14
2010/06/25	MF	DS5	T	0.9	244.8	0.19	27.91	8.83	76.9	5.74	15.6	7.42	14
2010/06/25	MF	DS5	B	6.1	113.1	0.21	27.38	14.31	68.7	5.02	19.0	7.25	17
2010/06/25	MF	DS5	M	4.1	184.7	0.38	27.96	11.86	79.3	5.81	14.7	7.46	14
2010/06/25	MF	DS5	T	1.1	244.8	0.19	27.90	8.52	77.1	5.76	15.2	7.37	14
2010/06/25	MF	DS4	B	6.0	116.8	0.13	27.45	15.67	67.6	4.89	12.4	7.38	12
2010/06/25	MF	DS4	M	4.0	188.8	0.11	27.97	13.22	78.8	5.74	12.3	7.51	12
2010/06/25	MF	DS4	T	1.0	200.7	0.11	27.98	9.00	79.7	5.94	13.7	7.45	11
2010/06/25	MF	DS4	B	6.1	79.8	0.17	27.41	15.62	67.6	4.90	11.8	7.36	13
2010/06/25	MF	DS4	M	4.0	189.0	0.06	27.81	13.94	72.5	5.26	12.8	7.38	13
2010/06/25	MF	DS4	T	1.1	297.1	0.30	27.98	8.97	78.9	5.88	13.9	7.36	11
2010/06/25	MF	DS3	B	5.9	59.8	0.24	27.54	15.49	68.1	4.92	11.7	7.41	12
2010/06/25	MF	DS3	M	3.9	13.3	0.08	27.77	13.89	71.1	5.17	12.5	7.44	13
2010/06/25	MF	DS3	T	0.9	329.4	0.31	27.94	11.08	78.9	5.81	11.8	7.46	7
2010/06/25	MF	DS3	B	6.0	59.8	0.24	27.58	15.19	68.9	4.99	12.1	7.41	15
2010/06/25	MF	DS3	M	4.0	311.6	0.17	27.88	12.35	74.3	5.44	12.1	7.47	11
2010/06/25	MF	DS3	T	1.2	329.4	0.31	27.96	10.07	79.3	5.87	11.9	7.48	9
2010/06/25	MF	DS2	B	6.0	292.2	0.03	27.66	15.18	69.5	5.03	12.3	7.46	13
2010/06/25	MF	DS2	M	4.1	117.0	0.12	27.71	14.43	69.0	5.01	11.8	7.46	13
2010/06/25	MF	DS2	T	1.0	351.7	0.40	27.96	9.86	81.6	6.05	10.1	7.51	10
2010/06/25	MF	DS2	B	6.0	154.8	0.07	27.62	15.80	69.3	5.00	12.4	7.44	12
2010/06/25	MF	DS2	M	4.1	30.5	0.12	27.77	13.44	70.2	5.12	12.0	7.44	14
2010/06/25	MF	DS2	T	1.1	351.7	0.40	27.96	9.81	82.0	6.08	10.2	7.50	8
2010/06/25	MF	DS1	B	5.1	35.0	0.23	27.76	13.17	79.4	5.80	12.5	7.47	13
2010/06/25	MF	DS1	M	3.5	325.4	0.32	27.91	9.52	79.6	5.92	13.3	7.46	13
2010/06/25	MF	DS1	T	1.2	4.1	0.60	27.98	9.11	81.4	6.06	12.6	7.47	11
2010/06/25	MF	DS1	B	4.9	56.4	0.14	27.71	13.98	75.3	5.48	13.7	7.44	14
2010/06/25	MF	DS1	M	3.6	347.6	0.59	27.86	11.75	77.5	5.70	14.1	7.43	14
2010/06/25	MF	DS1	T	1.0	353.0	0.55	27.98	9.11	80.8	6.01	13.1	7.44	9
2010/06/25	MF	US1	B	6.0	320.4	0.61	27.75	13.68	83.2	6.06	14.3	7.56	22
2010/06/25	MF	US1	M	4.0	22.9	0.44	27.91	8.32	82.4	6.16	11.9	7.49	9
2010/06/25	MF	US1	T	1.2	25.3	0.40	27.92	8.25	82.8	6.20	10.8	7.47	10
2010/06/25	MF	US1	B	6.0	338.0	0.41	27.78	10.43	81.3	6.02	13.6	7.52	23
2010/06/25	MF	US1	M	4.0	22.0	0.36	27.85	8.67	81.8	6.11	11.7	7.47	10
2010/06/25	MF	US1	T	0.8	12.4	0.47	27.91	8.27	82.6	6.18	10.7	7.47	10
2010/06/25	MF	US2	B	4.9	348.4	0.35	27.60	16.75	78.1	5.60	24.6	7.62	26
2010/06/25	MF	US2	M	3.5	14.7	0.42	27.85	12.68	84.7	6.20	15.2	7.65	21
2010/06/25	MF	US2	T	1.1	31.8	0.43	27.88	9.33	84.4	6.29	10.0	7.59	7
2010/06/25	MF	US2	B	5.0	348.4	0.35	27.56	17.21	77.9	5.58	25.9	7.61	28
2010/06/25	MF	US2	M	3.5	14.7	0.42	27.76	14.92	81.7	5.91	20.5	7.63	21
2010/06/25	MF	US2	T	1.1	31.8	0.43	27.88	9.38	84.3	6.28	10.7	7.60	7
2010/06/25	MF	MW1	B	18.0	74.3	0.03	25.88	29.06	58.1	4.01	11.5	7.43	15
2010/06/25	MF	MW1	M	9.9	5.3	0.11	26.29	26.98	58.1	4.03	9.5	7.48	10
2010/06/25	MF	MW1	T	1.1	318.1	0.04	27.03	21.84	68.7	4.84	5.8	7.55	5
2010/06/25	MF	MW1	B	18.1	74.3	0.03	25.88	29.02	56.0	3.87	11.5	7.25	14
2010/06/25	MF	MW1	M	10.2	15.0	0.18	26.29	26.97	57.1	3.96	9.1	7.36	9
2010/06/25	MF	MW1	T	1.0	161.4	0.13	26.96	22.25	68.2	4.80	6.3	7.50	6
2010/06/28	MF	MW1	B	19.9	266.9	0.11	25.36	29.40	53.0	3.68	4.7	7.37	6
2010/06/28	MF	MW1	M	11.1	233.3	0.06	25.65	27.27	53.6	3.75	4.9	7.41	5
2010/06/28	MF	MW1	T	0.9	91.5	0.08	26.85	13.18	69.9	5.19	6.0	7.42	6

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/28	MF	MW1	B	19.6	266.9	0.11	25.38	29.24	52.2	3.63	5.8	7.30	6
2010/06/28	MF	MW1	M	11.1	233.3	0.06	25.81	26.65	53.8	3.77	4.5	7.36	7
2010/06/28	MF	MW1	T	1.0	91.5	0.08	26.85	13.20	69.8	5.18	6.2	7.41	5
2010/06/28	MF	DS5	B	6.9	252.9	0.21	26.73	18.39	58.6	4.23	23.2	7.45	20
2010/06/28	MF	DS5	M	4.5	345.2	0.40	26.78	17.01	57.9	4.21	8.6	7.45	8
2010/06/28	MF	DS5	T	1.2	335.4	0.12	26.67	7.35	65.5	5.04	7.9	7.26	7
2010/06/28	MF	DS5	B	7.1	342.3	0.33	26.67	19.57	55.8	4.00	17.7	7.48	20
2010/06/28	MF	DS5	M	4.4	314.5	0.38	26.79	16.85	57.7	4.20	7.2	7.41	7
2010/06/28	MF	DS5	T	1.0	285.6	0.17	26.66	7.23	67.1	5.17	7.9	7.21	8
2010/06/28	MF	DS4	B	6.9	333.4	0.27	26.66	19.93	61.4	4.40	20.9	7.36	19
2010/06/28	MF	DS4	M	4.5	325.6	0.27	26.87	15.36	62.0	4.54	6.8	7.39	6
2010/06/28	MF	DS4	T	0.9	238.7	0.15	26.68	7.88	65.9	5.05	7.8	7.18	8
2010/06/28	MF	DS4	B	7.0	322.3	0.33	26.68	19.89	57.4	4.12	18.5	7.37	17
2010/06/28	MF	DS4	M	4.5	315.1	0.37	26.88	15.24	63.0	4.62	6.5	7.38	8
2010/06/28	MF	DS4	T	1.2	238.7	0.15	26.76	7.90	59.8	4.58	7.4	7.10	6
2010/06/28	MF	DS3	B	6.9	324.6	0.28	26.85	15.26	59.7	4.38	7.1	7.40	12
2010/06/28	MF	DS3	M	4.3	304.7	0.41	26.88	13.89	60.6	4.48	6.5	7.38	6
2010/06/28	MF	DS3	T	1.2	300.5	0.40	26.74	8.43	67.3	5.14	8.6	7.25	9
2010/06/28	MF	DS3	B	7.1	318.1	0.24	26.86	14.98	62.9	4.62	6.6	7.43	11
2010/06/28	MF	DS3	M	4.6	317.6	0.37	26.88	13.71	59.9	4.43	6.8	7.41	7
2010/06/28	MF	DS3	T	1.1	300.5	0.40	26.75	8.34	68.6	5.24	8.3	7.33	7
2010/06/28	MF	DS2	B	6.9	346.9	0.30	26.77	16.95	59.1	4.30	9.7	7.43	10
2010/06/28	MF	DS2	M	4.6	307.0	0.34	26.90	13.77	61.2	4.52	6.7	7.41	7
2010/06/28	MF	DS2	T	1.0	317.1	0.25	26.82	9.43	66.9	5.07	7.5	7.30	7
2010/06/28	MF	DS2	B	7.0	346.9	0.30	26.76	17.23	58.4	4.24	10.3	7.47	11
2010/06/28	MF	DS2	M	4.5	307.5	0.31	26.90	13.68	60.8	4.49	6.7	7.43	6
2010/06/28	MF	DS2	T	1.1	308.8	0.41	26.83	9.52	66.2	5.01	7.7	7.32	7
2010/06/28	MF	DS1	B	6.0	328.4	0.45	26.83	14.37	61.4	4.52	7.2	7.32	7
2010/06/28	MF	DS1	M	3.9	314.1	0.42	26.80	12.39	70.8	5.28	6.0	7.34	6
2010/06/28	MF	DS1	T	1.0	308.8	0.41	26.80	11.36	74.2	5.57	6.2	7.41	4
2010/06/28	MF	DS1	B	5.9	319.7	0.55	26.75	16.24	64.7	4.73	6.7	7.48	8
2010/06/28	MF	DS1	M	3.9	310.8	0.56	26.78	12.65	71.2	5.31	5.9	7.46	5
2010/06/28	MF	DS1	T	1.0	288.2	0.66	26.82	10.81	74.0	5.57	6.0	7.42	5
2010/06/28	MF	US1	B	6.9	329.4	0.32	26.46	21.58	59.3	4.22	11.5	7.52	15
2010/06/28	MF	US1	M	4.5	292.7	0.52	26.49	21.02	56.7	4.05	10.4	7.53	12
2010/06/28	MF	US1	T	1.1	293.5	0.91	26.78	11.97	76.8	5.74	5.6	7.48	6
2010/06/28	MF	US1	B	6.9	343.2	0.20	26.47	21.45	61.7	4.40	12.1	7.51	14
2010/06/28	MF	US1	M	4.4	296.8	0.45	26.53	19.67	58.2	4.19	9.5	7.47	11
2010/06/28	MF	US1	T	1.2	293.5	0.91	26.78	12.05	75.0	5.60	5.7	7.37	6
2010/06/28	MF	US2	B	5.9	284.2	0.36	26.37	22.40	62.8	4.46	13.2	7.52	18
2010/06/28	MF	US2	M	4.1	288.0	0.62	26.56	19.96	58.1	4.17	15.1	7.52	16
2010/06/28	MF	US2	T	1.0	280.5	0.85	26.75	13.85	66.1	4.89	6.1	7.47	5
2010/06/28	MF	US2	B	6.1	231.7	0.25	26.40	22.19	61.5	4.37	14.8	7.52	18
2010/06/28	MF	US2	M	4.1	280.8	0.58	26.53	19.76	58.8	4.23	12.4	7.47	16
2010/06/28	MF	US2	T	1.1	291.2	0.69	26.76	13.90	69.1	5.11	5.6	7.41	6
2010/06/28	ME	US2	M	4.5	120.0	0.55	26.56	21.05	54.6	3.89	9.5	7.53	56
2010/06/28	ME	US2	T	0.9	130.6	0.85	26.78	8.79	71.4	5.44	6.6	7.44	12
2010/06/28	ME	US2	B	7.1	94.9	0.47	26.34	23.44	54.5	3.85	47.4	7.55	6
2010/06/28	ME	US2	M	4.6	126.5	0.61	26.56	20.76	54.2	3.87	9.2	7.52	54
2010/06/28	ME	US2	T	1.1	130.6	0.85	26.78	12.48	65.1	4.86	7.6	7.32	12
2010/06/28	ME	US2	B	7.0	105.8	0.48	26.35	23.37	55.7	3.94	45.4	7.50	6
2010/06/28	ME	US1	B	6.4	93.2	0.47	26.34	23.28	54.2	3.83	41.0	7.51	47
2010/06/28	ME	US1	M	4.4	136.8	0.51	26.82	16.09	58.0	4.24	8.5	7.41	6
2010/06/28	ME	US1	T	1.1	145.3	0.81	26.72	10.93	73.2	5.51	6.9	7.38	6

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/28	ME	US1	B	6.5	93.2	0.47	26.39	22.79	54.1	3.83	30.9	7.49	48
2010/06/28	ME	US1	M	4.5	121.5	0.61	26.81	15.48	59.1	4.33	6.0	7.42	6
2010/06/28	ME	US1	T	0.8	145.3	0.81	26.74	10.14	73.4	5.55	6.6	7.29	5
2010/06/28	ME	DS1	B	4.9	106.2	0.48	26.62	19.22	59.2	4.27	14.5	7.43	18
2010/06/28	ME	DS1	M	3.4	111.7	0.53	26.73	17.14	60.1	4.37	9.8	7.38	15
2010/06/28	ME	DS1	T	1.0	121.1	0.72	26.80	11.52	67.2	5.04	6.6	7.29	6
2010/06/28	ME	DS1	B	5.0	91.8	0.45	26.67	17.97	67.8	4.91	12.6	7.39	18
2010/06/28	ME	DS1	M	3.6	95.4	0.62	26.71	17.24	61.5	4.47	12.5	7.44	15
2010/06/28	ME	DS1	T	1.0	130.6	0.71	26.77	11.14	70.5	5.30	6.8	7.38	6
2010/06/28	ME	DS2	B	6.9	83.8	0.34	26.42	21.90	57.5	4.09	27.3	7.49	34
2010/06/28	ME	DS2	M	4.6	70.8	0.39	26.47	21.35	55.5	3.96	18.6	7.50	12
2010/06/28	ME	DS2	T	0.8	134.0	0.85	26.72	10.31	75.8	5.73	6.6	7.39	5
2010/06/28	ME	DS2	B	6.9	73.0	0.39	26.46	21.37	61.0	4.35	21.3	7.53	34
2010/06/28	ME	DS2	M	4.6	70.8	0.39	26.63	19.66	58.5	4.20	11.9	7.52	14
2010/06/28	ME	DS2	T	1.1	134.0	0.85	26.78	10.15	70.2	5.30	7.0	7.39	5
2010/06/28	ME	DS3	B	5.8	89.8	0.56	26.50	20.64	63.7	4.56	24.4	7.39	36
2010/06/28	ME	DS3	M	4.1	120.8	0.65	26.79	16.33	64.5	4.71	7.4	7.45	23
2010/06/28	ME	DS3	T	1.2	144.7	0.91	26.89	10.12	71.9	5.43	7.4	7.36	5
2010/06/28	ME	DS3	B	6.1	90.0	0.58	26.48	20.45	61.1	4.38	29.3	7.54	38
2010/06/28	ME	DS3	M	4.2	120.8	0.65	26.57	19.60	59.3	4.27	17.1	7.51	20
2010/06/28	ME	DS3	T	1.1	144.7	0.91	26.99	10.96	69.0	5.17	9.7	7.38	6
2010/06/28	ME	DS4	B	12.7	93.4	0.48	26.26	23.29	57.6	4.08	31.6	7.48	39
2010/06/28	ME	DS4	M	7.5	90.6	0.65	26.62	18.38	58.1	4.20	13.5	7.50	14
2010/06/28	ME	DS4	T	1.0	126.2	0.79	26.84	9.33	76.1	5.77	7.9	7.40	7
2010/06/28	ME	DS4	B	13.2	86.1	0.52	26.26	22.64	54.2	3.85	30.9	7.43	40
2010/06/28	ME	DS4	M	7.5	69.6	0.51	26.63	17.95	58.9	4.27	14.0	7.49	14
2010/06/28	ME	DS4	T	1.0	126.2	0.79	26.86	9.60	73.5	5.56	7.3	7.40	7
2010/06/28	ME	DS5	B	9.9	111.3	0.14	26.33	22.36	57.4	4.08	21.3	7.31	37
2010/06/28	ME	DS5	M	5.9	94.6	0.54	26.73	16.38	60.6	4.43	8.8	7.29	15
2010/06/28	ME	DS5	T	1.1	121.8	0.77	26.80	9.22	76.9	5.84	7.5	7.23	5
2010/06/28	ME	DS5	B	10.2	90.8	0.07	26.31	22.55	58.0	4.12	19.1	7.34	41
2010/06/28	ME	DS5	M	5.7	103.2	0.64	26.72	16.71	60.0	4.38	9.2	7.28	13
2010/06/28	ME	DS5	T	1.1	121.8	0.77	26.75	9.21	75.8	5.76	7.0	7.23	5
2010/06/28	ME	MW1	B	17.7	130.4	0.04	26.31	20.70	62.4	4.48	7.1	7.54	9
2010/06/28	ME	MW1	M	10.1	74.0	0.29	26.63	16.20	67.8	4.97	7.0	7.51	8
2010/06/28	ME	MW1	T	1.0	77.7	0.70	26.75	13.57	72.0	5.34	6.0	7.49	7
2010/06/28	ME	MW1	B	17.9	117.3	0.10	26.39	19.79	62.9	4.53	7.0	7.65	8
2010/06/28	ME	MW1	M	10.1	59.5	0.26	26.62	16.35	62.7	4.59	7.0	7.51	10
2010/06/28	ME	MW1	T	1.0	77.7	0.70	26.72	13.81	70.9	5.25	6.4	7.58	5
2010/06/30	MF	MW1	B	20.1	34.0	0.21	25.09	29.40	55.3	3.86	3.3	7.56	7
2010/06/30	MF	MW1	M	11.0	72.4	0.07	25.48	27.15	54.3	3.81	4.0	7.31	7
2010/06/30	MF	MW1	T	1.1	141.6	0.17	27.21	11.97	67.6	5.02	5.2	7.43	4
2010/06/30	MF	MW1	B	20.0	34.0	0.21	25.13	29.26	54.5	3.81	3.6	7.44	5
2010/06/30	MF	MW1	M	11.0	127.0	0.09	25.48	27.22	54.0	3.79	4.0	7.42	6
2010/06/30	MF	MW1	T	1.0	141.6	0.17	27.21	12.01	67.4	5.00	5.2	7.48	5
2010/06/30	MF	DS5	B	7.0	329.7	0.37	26.48	19.64	53.9	3.88	10.5	7.44	11
2010/06/30	MF	DS5	M	4.4	337.5	0.34	26.75	15.67	53.9	3.95	6.5	7.76	6
2010/06/30	MF	DS5	T	1.0	324.3	0.38	26.91	5.31	53.5	4.15	7.3	7.50	6
2010/06/30	MF	DS5	B	7.0	329.7	0.37	26.47	19.75	53.0	3.82	11.0	7.40	9
2010/06/30	MF	DS5	M	4.5	337.5	0.34	26.76	15.58	53.1	3.89	6.3	7.75	7
2010/06/30	MF	DS5	T	1.0	324.3	0.38	27.12	11.79	55.1	4.10	7.2	7.58	6
2010/06/30	MF	DS4	B	7.0	352.6	0.25	26.28	22.07	54.9	3.91	16.5	7.49	26
2010/06/30	MF	DS4	M	4.5	329.8	0.43	26.92	14.69	58.9	4.33	6.5	7.41	6
2010/06/30	MF	DS4	T	1.0	348.8	0.32	27.06	6.10	56.5	4.35	7.8	7.63	6

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/30	MF	DS4	B	6.9	330.6	0.22	26.33	21.34	54.9	3.93	14.6	7.54	25
2010/06/30	MF	DS4	M	4.4	329.8	0.43	26.91	14.70	57.6	4.23	6.3	7.48	6
2010/06/30	MF	DS4	T	1.0	348.8	0.32	27.13	6.24	56.7	4.35	7.7	7.69	6
2010/06/30	MF	DS3	B	7.0	331.3	0.22	26.69	17.87	55.7	4.04	7.8	7.62	10
2010/06/30	MF	DS3	M	4.6	328.9	0.32	26.97	14.30	59.8	4.40	6.1	7.57	6
2010/06/30	MF	DS3	T	1.1	313.6	0.48	27.14	10.71	59.3	4.44	6.9	7.46	6
2010/06/30	MF	DS3	B	7.1	330.5	0.31	26.58	18.52	59.5	4.31	7.9	7.65	8
2010/06/30	MF	DS3	M	4.4	301.2	0.33	26.99	14.03	59.5	4.38	6.1	7.60	8
2010/06/30	MF	DS3	T	1.0	313.6	0.48	27.13	11.42	60.0	4.47	6.8	7.53	5
2010/06/30	MF	DS2	B	7.1	343.3	0.22	26.72	16.67	58.2	4.24	8.5	7.62	9
2010/06/30	MF	DS2	M	4.5	306.3	0.26	27.09	12.89	60.5	4.47	7.7	7.57	7
2010/06/30	MF	DS2	T	1.0	322.5	0.34	27.24	10.31	61.2	4.59	7.5	7.52	6
2010/06/30	MF	DS2	B	7.0	343.3	0.22	26.72	16.68	57.6	4.20	8.0	7.65	9
2010/06/30	MF	DS2	M	4.4	306.3	0.26	27.01	13.74	59.7	4.40	7.2	7.63	9
2010/06/30	MF	DS2	T	1.0	322.5	0.34	27.25	10.30	60.8	4.55	7.4	7.55	6
2010/06/30	MF	DS1	B	6.1	325.7	0.18	26.71	16.92	65.8	4.79	7.8	7.67	8
2010/06/30	MF	DS1	M	4.0	315.7	0.46	27.05	12.79	60.6	4.49	6.4	7.56	6
2010/06/30	MF	DS1	T	1.0	303.4	0.37	27.37	9.61	63.6	4.77	7.2	7.54	5
2010/06/30	MF	DS1	B	6.1	325.7	0.18	26.65	17.55	60.0	4.36	9.0	7.67	8
2010/06/30	MF	DS1	M	4.1	314.3	0.39	27.07	12.58	60.5	4.49	6.4	7.62	6
2010/06/30	MF	DS1	T	1.1	303.4	0.37	27.38	9.07	63.3	4.76	7.3	7.57	5
2010/06/30	MF	US1	B	7.1	304.5	0.73	26.40	20.21	62.4	4.49	7.6	7.65	8
2010/06/30	MF	US1	M	4.5	301.0	0.61	27.38	11.26	70.5	5.24	5.7	7.58	5
2010/06/30	MF	US1	T	1.0	306.5	0.66	27.59	10.16	70.5	5.25	6.3	7.54	4
2010/06/30	MF	US1	B	7.1	308.9	0.85	26.40	20.18	60.1	4.32	7.4	7.66	9
2010/06/30	MF	US1	M	4.6	306.3	0.72	27.40	11.48	72.4	5.37	5.2	7.66	4
2010/06/30	MF	US1	T	1.0	306.5	0.66	27.58	10.45	71.0	5.28	6.0	7.62	5
2010/06/30	MF	US2	B	6.1	276.6	0.37	26.27	21.29	61.0	4.37	9.4	7.57	12
2010/06/30	MF	US2	M	4.2	282.5	0.69	26.44	19.79	58.0	4.18	8.1	7.55	9
2010/06/30	MF	US2	T	1.0	285.7	0.79	27.26	12.37	69.4	5.14	6.1	7.51	4
2010/06/30	MF	US2	B	6.0	272.1	0.39	26.27	21.28	57.1	4.09	10.2	7.57	12
2010/06/30	MF	US2	M	4.0	293.0	0.57	26.49	19.32	57.9	4.18	7.8	7.58	9
2010/06/30	MF	US2	T	1.1	285.3	0.71	27.16	13.09	65.6	4.84	5.8	7.55	3
2010/06/30	ME	US2	B	6.9	97.6	0.39	26.47	23.89	52.0	3.65	26.4	7.80	32
2010/06/30	ME	US2	M	4.5	130.8	0.50	26.49	23.45	51.3	3.61	21.8	7.78	23
2010/06/30	ME	US2	T	0.9	134.7	0.73	28.50	9.87	67.4	4.95	6.0	7.53	4
2010/06/30	ME	US2	M	4.4	109.8	0.59	26.50	23.27	51.2	3.61	20.0	7.79	21
2010/06/30	ME	US2	T	1.2	134.7	0.73	27.72	11.90	64.4	4.74	5.4	7.58	3
2010/06/30	ME	US2	B	7.1	89.3	0.23	26.38	25.31	51.5	3.60	26.0	7.82	30
2010/06/30	ME	US1	B	5.7	119.6	0.52	26.49	23.48	51.7	3.64	16.5	7.78	18
2010/06/30	ME	US1	M	4.1	27.5	0.33	27.19	15.25	57.4	4.18	5.1	7.63	4
2010/06/30	ME	US1	T	1.0	98.3	0.58	29.63	8.48	67.5	4.90	5.1	7.45	2
2010/06/30	ME	US1	B	6.0	117.1	0.47	26.48	23.53	62.5	4.40	10.2	7.77	18
2010/06/30	ME	US1	M	4.0	115.9	0.44	27.15	14.69	55.9	4.09	4.9	7.64	4
2010/06/30	ME	US1	T	1.0	98.3	0.58	29.31	8.72	66.6	4.85	5.0	7.48	2
2010/06/30	ME	DS1	B	6.2	116.1	0.36	26.52	23.03	55.2	3.90	27.6	7.79	29
2010/06/30	ME	DS1	M	3.9	112.5	0.40	26.56	22.77	52.3	3.70	24.1	7.79	24
2010/06/30	ME	DS1	T	0.9	96.3	0.34	28.12	11.67	69.3	5.07	5.8	7.59	4
2010/06/30	ME	DS1	B	5.9	134.9	0.30	26.53	23.00	52.3	3.69	26.6	7.76	29
2010/06/30	ME	DS1	M	4.0	114.7	0.37	26.57	22.73	52.0	3.68	21.4	7.77	22
2010/06/30	ME	DS1	T	1.1	96.3	0.34	27.52	14.08	63.7	4.65	5.3	7.58	3
2010/06/30	ME	DS2	B	6.0	76.2	0.40	26.57	22.86	51.9	3.66	33.7	7.79	48
2010/06/30	ME	DS2	M	4.2	90.6	0.45	26.58	22.68	51.7	3.65	25.6	7.79	16
2010/06/30	ME	DS2	T	1.0	103.5	0.92	27.80	12.79	64.4	4.71	5.3	7.60	4

Summary Table: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Speed (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2010/06/30	ME	DS2	B	6.0	79.8	0.36	26.56	22.86	52.3	3.69	32.2	7.79	44
2010/06/30	ME	DS2	M	3.9	87.4	0.53	26.62	22.23	52.2	3.69	16.3	7.79	19
2010/06/30	ME	DS2	T	1.0	103.5	0.92	28.44	11.15	71.7	5.24	5.8	7.60	3
2010/06/30	ME	DS3	B	10.1	82.2	0.32	26.62	22.45	56.3	3.98	33.8	7.79	41
2010/06/30	ME	DS3	M	6.0	83.6	0.32	26.65	22.00	52.7	3.74	21.5	7.78	23
2010/06/30	ME	DS3	T	0.9	122.3	0.73	29.51	9.28	71.8	5.20	6.2	7.51	4
2010/06/30	ME	DS3	B	10.0	94.9	0.32	26.61	22.44	52.7	3.73	33.3	7.78	42
2010/06/30	ME	DS3	M	6.0	83.6	0.40	26.63	22.22	52.4	3.71	26.3	7.78	26
2010/06/30	ME	DS3	T	1.1	108.4	0.70	27.54	13.92	59.3	4.33	6.3	7.67	4
2010/06/30	ME	DS4	B	12.7	221.0	0.06	25.95	26.54	51.7	3.61	21.4	7.82	24
2010/06/30	ME	DS4	M	7.6	95.7	0.49	26.78	20.56	53.4	3.80	10.0	7.74	26
2010/06/30	ME	DS4	T	1.2	110.9	0.87	29.65	9.24	72.4	5.23	5.2	7.54	4
2010/06/30	ME	DS4	B	13.1	221.0	0.06	25.87	27.05	51.6	3.60	22.2	7.80	20
2010/06/30	ME	DS4	M	7.5	80.0	0.40	26.67	21.88	53.1	3.76	18.0	7.77	23
2010/06/30	ME	DS4	T	1.0	110.9	0.87	29.55	9.42	72.3	5.23	5.2	7.55	3
2010/06/30	ME	DS5	B	8.8	109.9	0.32	26.33	24.24	53.5	3.77	19.0	7.81	18
2010/06/30	ME	DS5	M	5.6	96.1	0.61	26.80	20.82	54.3	3.86	8.9	7.75	7
2010/06/30	ME	DS5	T	0.8	106.6	0.77	29.65	9.36	74.3	5.37	5.2	7.54	4
2010/06/30	ME	DS5	B	9.3	109.6	0.25	26.17	25.15	54.5	3.82	19.6	7.80	21
2010/06/30	ME	DS5	M	5.3	97.0	0.64	26.94	18.57	55.5	3.99	7.4	7.71	8
2010/06/30	ME	DS5	T	1.1	106.6	0.77	29.28	9.69	72.5	5.26	5.3	7.55	4
2010/06/30	ME	MW1	B	18.9	57.1	0.12	26.28	24.16	58.7	4.14	6.0	7.81	6
2010/06/30	ME	MW1	M	10.5	128.6	0.33	27.40	16.73	65.8	4.74	4.8	7.72	5
2010/06/30	ME	MW1	T	0.9	75.6	0.10	28.14	14.21	75.7	5.46	5.0	7.73	4
2010/06/30	ME	MW1	B	19.0	57.1	0.12	26.05	25.83	57.5	4.03	6.7	7.82	6
2010/06/30	ME	MW1	M	10.2	76.2	0.49	27.30	17.34	64.9	4.67	4.7	7.73	5
2010/06/30	ME	MW1	T	1.0	64.9	0.18	27.91	14.81	71.6	5.17	4.7	7.73	4