

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)
2010/07/02	Mid-Ebb	DS1	B	6	64.6	0.28	26.29	24.29	47.8	3.36	14.38	7.72	15
2010/07/02	Mid-Ebb	DS1	B	6.1	59.3	0.27	26.27	24.48	56.37	3.96	21.93	7.72	14
2010/07/02	Mid-Ebb	DS1	M	4	83.1	0.45	26.78	22.86	65.56	4.61	9.28	7.79	11
2010/07/02	Mid-Ebb	DS1	M	3.8	84.9	0.27	26.57	23.66	56.87	4	11.02	7.79	11
2010/07/02	Mid-Ebb	DS1	T	1	95.8	0.43	28.16	14.1	100.48	7.25	6.02	7.95	8
2010/07/02	Mid-Ebb	DS1	T	1	112	0.5	28.38	13.91	118.92	8.56	6.22	8.03	8
2010/07/02	Mid-Ebb	DS2	B	6	86.1	0.39	26.65	23.43	60.54	4.26	15.4	7.79	19
2010/07/02	Mid-Ebb	DS2	B	6	93.9	0.38	26.66	23.42	66.82	4.7	14.38	7.79	17
2010/07/02	Mid-Ebb	DS2	M	4	94.6	0.52	27.44	17.63	74.51	5.34	5.81	7.8	7
2010/07/02	Mid-Ebb	DS2	M	4	94.6	0.52	27.46	18.22	78.99	5.64	5.81	7.79	7
2010/07/02	Mid-Ebb	DS2	T	1.1	113.6	0.37	28.91	12.33	120.18	8.65	6.02	8.1	6
2010/07/02	Mid-Ebb	DS2	T	1	113.6	0.37	29.3	11.5	123.76	8.89	5.92	8.19	6
2010/07/02	Mid-Ebb	DS3	B	9.2	96.1	0.16	26.1	25.49	57.63	4.04	13.97	7.78	19
2010/07/02	Mid-Ebb	DS3	B	9.1	150.8	0.15	26.65	22.84	63.21	4.46	22.85	7.73	18
2010/07/02	Mid-Ebb	DS3	M	5.3	87.1	0.28	26.69	22.35	56.93	4.02	13.36	7.75	21
2010/07/02	Mid-Ebb	DS3	M	5.5	118.1	0.25	26.73	22.11	59.02	4.17	12.55	7.74	21
2010/07/02	Mid-Ebb	DS3	T	1.1	113	0.51	28.37	12.9	117.55	8.51	6.02	8.08	7
2010/07/02	Mid-Ebb	DS3	T	1	113	0.51	29.56	11.16	131.89	9.45	5.71	8.23	6
2010/07/02	Mid-Ebb	DS4	B	12.1	123.3	0.13	25.86	26.97	57.21	4	8.98	7.81	11
2010/07/02	Mid-Ebb	DS4	B	11.8	276.9	0.23	25.86	26.97	61.69	4.31	8.77	7.8	10
2010/07/02	Mid-Ebb	DS4	M	7	101	0.23	26.47	23.65	54.72	3.85	10.71	7.75	15
2010/07/02	Mid-Ebb	DS4	M	6.9	92.9	0.37	26.55	23.38	53.91	3.8	13.16	7.74	13
2010/07/02	Mid-Ebb	DS4	T	1	115.1	0.74	29.25	12.01	124.67	8.93	5.81	8.17	6
2010/07/02	Mid-Ebb	DS4	T	1	115.1	0.74	29.34	11.54	131.64	9.44	5.92	8.24	6
2010/07/02	Mid-Ebb	DS5	B	7.8	122.2	0.05	26.02	26.14	58.28	4.08	7.04	7.8	8
2010/07/02	Mid-Ebb	DS5	B	8.1	154.1	0.45	25.99	26.3	61.96	4.33	7.65	7.81	8
2010/07/02	Mid-Ebb	DS5	M	5.3	77.6	0.4	26.78	22.54	58.98	4.16	8.16	7.75	10
2010/07/02	Mid-Ebb	DS5	M	5	77.2	0.45	26.82	21.67	61.06	4.32	8.26	7.76	9
2010/07/02	Mid-Ebb	DS5	T	1.1	123.1	0.65	29.07	12.09	117.75	8.46	5.51	8.1	6
2010/07/02	Mid-Ebb	DS5	T	1.1	123.1	0.65	28.93	12.32	118.14	8.5	5.71	8.11	5
2010/07/02	Mid-Ebb	MW1	B	19.1	64.5	0.38	25.45	29.02	69.12	4.81	5.81	7.83	8
2010/07/02	Mid-Ebb	MW1	B	18.7	119	0.46	25.52	28.68	62.15	4.32	9.18	7.85	8
2010/07/02	Mid-Ebb	MW1	M	10.4	84.8	0.22	28.12	17.5	112.78	7.99	4.9	8.04	25
2010/07/02	Mid-Ebb	MW1	M	10.8	98.5	0.28	28.17	17.07	113.25	8.04	4.69	8.05	22
2010/07/02	Mid-Ebb	MW1	T	0.9	72.1	0.47	29.55	13.21	170.15	12.05	5.92	8.46	9
2010/07/02	Mid-Ebb	MW1	T	1.2	89.5	0.24	29.89	13.16	196.27	13.83	5.81	8.59	8
2010/07/02	Mid-Ebb	US1	B	6.9	97.2	0.37	26.72	23.16	62.21	4.37	10.91	7.79	8
2010/07/02	Mid-Ebb	US1	B	7.1	112.3	0.28	26.73	22.27	60.5	4.27	6.43	7.74	10
2010/07/02	Mid-Ebb	US1	M	4.4	104.9	0.26	27.07	19.79	62.01	4.42	6.53	7.74	6
2010/07/02	Mid-Ebb	US1	M	4.4	111.5	0.34	27.29	18.06	63.89	4.58	5.2	7.71	5
2010/07/02	Mid-Ebb	US1	T	1.1	118.3	0.43	28.22	13.26	105.14	7.62	6.02	7.98	7
2010/07/02	Mid-Ebb	US1	T	1.1	104.8	0.55	29.33	10.98	124.39	8.95	5.92	8.13	5
2010/07/02	Mid-Ebb	US2	B	7.1	69.3	0.14	26.24	26.59	60.24	4.19	19.99	7.83	22
2010/07/02	Mid-Ebb	US2	B	7.1	97.2	0.37	26.28	26.15	55.64	3.88	16.42	7.81	22
2010/07/02	Mid-Ebb	US2	M	4.5	138.3	0.47	26.93	20.8	58.94	4.18	5.3	7.71	6
2010/07/02	Mid-Ebb	US2	M	4.4	104.9	0.26	26.83	21.55	55.23	3.91	5.2	7.71	4
2010/07/02	Mid-Ebb	US2	T	1	137.9	0.42	29.55	10.83	117.27	8.42	5.81	8.06	5
2010/07/02	Mid-Ebb	US2	T	1.1	118.3	0.43	29.61	10.66	109.67	7.87	6.02	8.11	5
2010/07/02	Mid-Flood	DS1	B	6	110.2	0.1	27.02	20.26	61.2	4.35	9.28	7.7	10
2010/07/02	Mid-Flood	DS1	B	6.1	319	0.28	26.86	20.95	55.44	3.94	11.73	7.69	9
2010/07/02	Mid-Flood	DS1	M	4.1	341.1	0.6	27.61	15.62	67.63	4.88	15.2	7.66	16
2010/07/02	Mid-Flood	DS1	M	4.2	313.7	0.29	27.67	15.2	68.9	4.98	14.79	7.66	16
2010/07/02	Mid-Flood	DS1	T	1.1	306.8	0.33	28.12	12.23	77.82	5.68	7.34	7.65	6
2010/07/02	Mid-Flood	DS1	T	1.1	306.8	0.33	28.17	11.8	78.3	5.72	7.14	7.65	5
2010/07/02	Mid-Flood	DS2	B	7.1	303.5	0.28	26.85	21.34	56.77	4.02	8.67	7.72	9

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2010/07/02	Mid-Flood	DS2	B	7.1	274.9	0.2	27.01	20.24	58.84	4.18	6.94	7.72	9
2010/07/02	Mid-Flood	DS2	M	4.5	318	0.3	27.55	16.5	67.57	4.86	6.43	7.68	5
2010/07/02	Mid-Flood	DS2	M	4.4	299.5	0.26	27.77	14.77	70.43	5.1	6.83	7.68	6
2010/07/02	Mid-Flood	DS2	T	1	285	0.42	28.24	7.74	66.97	5	8.36	7.42	5
2010/07/02	Mid-Flood	DS2	T	1.1	285	0.42	27.98	11.73	78.05	5.72	7.96	7.65	5
2010/07/02	Mid-Flood	DS3	B	7.2	294.2	0.36	27.16	19.19	62.57	4.46	5.51	7.71	5
2010/07/02	Mid-Flood	DS3	B	7.1	303.5	0.28	27.22	18.66	63.24	4.52	5.51	7.71	4
2010/07/02	Mid-Flood	DS3	M	4.4	277.6	0.26	27.52	16.27	66.43	4.79	6.12	7.69	5
2010/07/02	Mid-Flood	DS3	M	4.6	302.3	0.22	27.49	16.6	65.91	4.74	6.32	7.67	4
2010/07/02	Mid-Flood	DS3	T	1.1	261.7	0.31	27.95	9.62	70.19	5.21	8.26	7.51	4
2010/07/02	Mid-Flood	DS3	T	1	285	0.42	28.24	8.48	67.2	5	8.06	7.43	5
2010/07/02	Mid-Flood	DS4	B	7.1	275.8	0.14	26.94	20.58	61.02	4.34	6.02	7.72	6
2010/07/02	Mid-Flood	DS4	B	7	303.9	0.27	26.95	20.56	60.31	4.29	5.71	7.71	7
2010/07/02	Mid-Flood	DS4	M	4.5	313.1	0.36	27.08	19.6	61.51	4.39	5.51	7.72	5
2010/07/02	Mid-Flood	DS4	M	4.4	277.6	0.26	27.1	19.62	58.62	4.18	5.61	7.72	7
2010/07/02	Mid-Flood	DS4	T	1.1	322.5	0.11	27.73	10.16	68.26	5.07	8.06	7.46	5
2010/07/02	Mid-Flood	DS4	T	1	262.7	0.37	28.12	7.5	64.08	4.8	7.96	7.37	7
2010/07/02	Mid-Flood	DS5	B	7.1	323.7	0.22	26.83	21.11	57.5	4.08	6.32	7.73	8
2010/07/02	Mid-Flood	DS5	B	7.1	358.2	0.22	26.8	21.23	58.96	4.19	6.94	7.71	8
2010/07/02	Mid-Flood	DS5	M	4.5	324	0.28	27.05	19.96	60.87	4.33	5.51	7.73	6
2010/07/02	Mid-Flood	DS5	M	4.4	324.8	0.4	26.96	20.39	57.97	4.12	6.12	7.71	6
2010/07/02	Mid-Flood	DS5	T	1.2	294	0.26	28	8.04	67.22	5.03	7.04	7.41	5
2010/07/02	Mid-Flood	DS5	T	1.1	294	0.26	27.74	7.94	65.7	4.94	7.85	7.39	6
2010/07/02	Mid-Flood	MW1	B	17.9	186	0.13	24.85	31.55	51.87	3.59	3.98	7.87	5
2010/07/02	Mid-Flood	MW1	B	18.1	236.1	0.13	24.91	31.36	55.45	3.84	4.18	7.87	4
2010/07/02	Mid-Flood	MW1	M	10.1	276.6	0.17	25.77	27.38	57.26	4	4.49	7.85	4
2010/07/02	Mid-Flood	MW1	M	10	156	0.1	25.92	26.54	58.04	4.06	4.28	7.84	5
2010/07/02	Mid-Flood	MW1	T	0.9	132.6	0.08	28.11	12.74	77.94	5.67	5.81	7.74	5
2010/07/02	Mid-Flood	MW1	T	1.1	21.8	0.12	28.12	12.6	79.41	5.78	6.12	7.75	4
2010/07/02	Mid-Flood	US1	B	6.1	315.2	0.2	28.13	14.4	86.98	6.27	6.22	7.8	6
2010/07/02	Mid-Flood	US1	B	6	294.7	0.47	27.71	16.9	81.82	5.86	6.22	7.76	6
2010/07/02	Mid-Flood	US1	M	4.2	304.1	0.71	28.11	13.1	84.99	6.17	6.12	7.78	7
2010/07/02	Mid-Flood	US1	M	3.9	295.9	0.23	28.27	12.78	87.25	6.33	6.43	7.78	6
2010/07/02	Mid-Flood	US1	T	1	315.2	0.36	28.41	12.49	84.99	6.16	6.22	7.74	7
2010/07/02	Mid-Flood	US1	T	1.1	315.2	0.36	28.45	12.39	86.46	6.27	6.32	7.75	5
2010/07/02	Mid-Flood	US2	B	6.1	287.1	0.46	26.57	22.7	60.42	4.27	8.57	7.76	9
2010/07/02	Mid-Flood	US2	B	6.1	285.1	0.37	26.59	22.69	64.37	4.55	9.18	7.75	8
2010/07/02	Mid-Flood	US2	M	4.1	298.6	0.58	26.86	21.14	64.28	4.56	7.24	7.77	5
2010/07/02	Mid-Flood	US2	M	4	297.8	0.66	27.3	18.05	70.59	5.06	5.2	7.78	5
2010/07/02	Mid-Flood	US2	T	1.2	294.5	0.82	29.05	11.78	99.67	7.18	5.92	7.87	5
2010/07/02	Mid-Flood	US2	T	1.1	294.5	0.82	28.7	12.29	102.92	7.43	5.81	7.94	5
2010/07/05	Mid-Ebb	DS1	B	5.5	134.9	0.27	27.9	17.53	95.97	6.82	3.16	8.1	5
2010/07/05	Mid-Ebb	DS1	B	5.8	176	0.14	26.99	21.29	69.9	4.94	6.02	7.89	4
2010/07/05	Mid-Ebb	DS1	M	4	153.1	0.27	28.83	11.39	139.67	10.12	6.12	8.41	13
2010/07/05	Mid-Ebb	DS1	M	3.9	173.6	0.2	27.83	12.32	94.52	6.93	3.47	8.14	13
2010/07/05	Mid-Ebb	DS1	T	1.2	87.8	0.21	29.53	9.32	163.39	11.83	7.14	8.7	10
2010/07/05	Mid-Ebb	DS1	T	1.1	85.1	0.29	29.5	9.36	161.22	11.67	7.24	8.71	10
2010/07/05	Mid-Ebb	DS2	B	5.8	70.5	0.32	27.24	20.85	83.05	5.86	18.05	7.95	11
2010/07/05	Mid-Ebb	DS2	B	5.9	130.3	0.13	27.4	20.84	87.58	6.17	12.44	7.98	10
2010/07/05	Mid-Ebb	DS2	M	4	143.2	0.27	28.14	16.3	101.3	7.22	4.39	8.16	5
2010/07/05	Mid-Ebb	DS2	M	4.2	124.7	0.17	28.45	15.49	120	8.55	4.28	8.26	6
2010/07/05	Mid-Ebb	DS2	T	1.1	100.5	0.25	29.54	9.22	162.11	11.74	7.04	8.7	10
2010/07/05	Mid-Ebb	DS2	T	1.1	100.5	0.25	29.51	9.32	156.98	11.37	6.83	8.69	9
2010/07/05	Mid-Ebb	DS3	B	7	166.3	0.23	26.57	22.76	69.67	4.92	11.12	7.9	7
2010/07/05	Mid-Ebb	DS3	B	7	124.8	0.21	26.56	24.77	80.05	5.59	11.73	7.9	6

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2010/07/05	Mid-Ebb	DS3	M	4.5	154.2	0.4	28.47	11.83	119.02	8.65	4.59	8.32	4
2010/07/05	Mid-Ebb	DS3	M	4.5	156.8	0.23	28.42	14.76	114.12	8.17	3.77	8.24	6
2010/07/05	Mid-Ebb	DS3	T	1.2	111.4	0.55	29.56	8.96	164.29	11.91	6.94	8.73	10
2010/07/05	Mid-Ebb	DS3	T	1.2	124.6	0.43	29.54	8.97	163.24	11.84	6.73	8.72	10
2010/07/05	Mid-Ebb	DS4	B	11.7	285.3	0.01	25.62	28.6	53.67	3.73	11.93	7.86	16
2010/07/05	Mid-Ebb	DS4	B	12	16.9	0.22	25.59	28.74	57.3	3.98	12.55	7.85	16
2010/07/05	Mid-Ebb	DS4	M	6.9	80.8	0.19	26.64	24.39	71.48	5	3.67	7.95	5
2010/07/05	Mid-Ebb	DS4	M	7	80.8	0.19	26.94	22.64	78.37	5.51	3.88	7.99	4
2010/07/05	Mid-Ebb	DS4	T	1.2	124.6	0.43	29.55	9.08	156.71	11.35	7.04	8.72	10
2010/07/05	Mid-Ebb	DS4	T	1	90.7	0.35	29.52	9.24	158.91	11.51	7.24	8.71	12
2010/07/05	Mid-Ebb	DS5	B	9.1	39	0.33	25.72	28.28	57.07	3.97	10.71	7.86	11
2010/07/05	Mid-Ebb	DS5	B	8.8	86.3	0.14	25.73	28.25	51.21	3.56	14.79	7.86	12
2010/07/05	Mid-Ebb	DS5	M	5.5	117.9	0.13	27.47	20.09	90.89	6.42	3.26	8.06	6
2010/07/05	Mid-Ebb	DS5	M	5.5	117.9	0.13	27.52	19.54	89.77	6.35	3.06	8.08	5
2010/07/05	Mid-Ebb	DS5	T	0.9	114.3	0.4	29.57	8.95	162.18	11.76	7.04	8.73	10
2010/07/05	Mid-Ebb	DS5	T	1.2	114.3	0.4	29.55	9.05	163.1	11.82	6.73	8.73	10
2010/07/05	Mid-Ebb	MW1	B	18.3	21.3	0.15	25.01	31.14	53.72	3.72	5	7.87	6
2010/07/05	Mid-Ebb	MW1	B	18.6	60.1	0.28	25.07	30.93	58.61	4.06	3.98	7.88	7
2010/07/05	Mid-Ebb	MW1	M	10.4	94.7	0.13	27.26	21.41	100.64	7.08	3.57	8.15	9
2010/07/05	Mid-Ebb	MW1	M	10.2	96.7	0.24	26.91	22.84	88.41	6.21	3.98	8.09	7
2010/07/05	Mid-Ebb	MW1	T	1	84	0.29	30.06	10.56	196.54	14	6.73	8.87	11
2010/07/05	Mid-Ebb	MW1	T	0.9	93.3	0.44	30.22	10.21	195.58	13.92	6.43	8.9	11
2010/07/05	Mid-Ebb	US1	B	5.9	185.8	0.32	27.82	17.61	88.81	6.32	2.65	8.05	4
2010/07/05	Mid-Ebb	US1	B	6	163.7	0.18	27.36	20.26	84.4	5.97	3.06	7.96	4
2010/07/05	Mid-Ebb	US1	M	4.1	179.5	0.22	27.9	17.7	102.23	7.26	3.67	8.09	5
2010/07/05	Mid-Ebb	US1	M	4	215.3	0.19	27.72	18.04	86.29	6.14	2.65	8.01	3
2010/07/05	Mid-Ebb	US1	T	1.2	88.5	0.26	29.51	9.32	158.41	11.47	6.73	8.71	10
2010/07/05	Mid-Ebb	US1	T	1.2	126.1	0.19	29.49	9.35	156.26	11.32	6.63	8.71	10
2010/07/05	Mid-Ebb	US2	B	5.9	205.6	0.26	27.09	20.6	71.99	5.1	4.08	7.93	3
2010/07/05	Mid-Ebb	US2	B	6.1	176.6	0.02	27.31	20.72	78.91	5.57	3.26	7.95	4
2010/07/05	Mid-Ebb	US2	M	3.9	121.8	0.1	28.78	14.24	135	9.63	5	8.39	9
2010/07/05	Mid-Ebb	US2	M	4	75.5	0.16	28.96	10.98	141.2	10.23	5.51	8.43	7
2010/07/05	Mid-Ebb	US2	T	1	71.2	0.39	29.43	9.73	158.48	11.47	6.63	8.65	10
2010/07/05	Mid-Ebb	US2	T	1.1	88.5	0.26	29.48	9.44	160.79	11.64	6.94	8.68	9
2010/07/05	Mid-Flood	DS1	B	5.9	314.8	0.49	28.6	14.29	129.83	9.29	7.55	8.28	10
2010/07/05	Mid-Flood	DS1	B	6	300.1	0.4	28.24	15.45	105.13	7.52	6.12	8.12	10
2010/07/05	Mid-Flood	DS1	M	4	271.6	0.36	29.41	11.04	173.39	12.46	7.55	8.66	10
2010/07/05	Mid-Flood	DS1	M	4	296.2	0.19	29.42	11.19	173.43	12.45	8.26	8.66	10
2010/07/05	Mid-Flood	DS1	T	1.1	287	0.26	29.97	9.02	172.09	12.38	7.04	8.64	11
2010/07/05	Mid-Flood	DS1	T	1.1	283	0.41	29.8	9.4	172.33	12.41	7.34	8.64	10
2010/07/05	Mid-Flood	DS2	B	6.1	289.9	0.45	28.33	14.99	108.51	7.77	10.81	8.17	14
2010/07/05	Mid-Flood	DS2	B	5.8	295.7	0.4	28.34	15.14	108.38	7.75	8.36	8.16	15
2010/07/05	Mid-Flood	DS2	M	3.5	298.2	0.64	29.34	10.26	154.38	11.15	7.75	8.53	11
2010/07/05	Mid-Flood	DS2	M	3.6	297.5	0.41	29.37	10.22	157.11	11.35	7.55	8.55	10
2010/07/05	Mid-Flood	DS2	T	1.2	301.5	0.52	29.75	8.15	154.18	11.19	8.26	8.5	10
2010/07/05	Mid-Flood	DS2	T	1.1	301.5	0.52	29.77	8.26	154.13	11.18	8.16	8.51	9
2010/07/05	Mid-Flood	DS3	B	7	284.6	0.48	27.91	17.16	84.19	6	6.63	7.92	9
2010/07/05	Mid-Flood	DS3	B	6.9	288.6	0.4	27.82	17.76	80.7	5.74	6.94	7.9	8
2010/07/05	Mid-Flood	DS3	M	4.5	308	0.64	28.91	11.75	134.17	9.68	8.26	8.41	12
2010/07/05	Mid-Flood	DS3	M	4.4	298.2	0.58	28.92	10.91	135.52	9.83	8.57	8.41	14
2010/07/05	Mid-Flood	DS3	T	1.1	290	0.35	29.49	7.85	127.81	9.33	8.57	8.26	10
2010/07/05	Mid-Flood	DS3	T	1.2	290	0.35	29.46	8.25	129.36	9.43	8.47	8.29	8
2010/07/05	Mid-Flood	DS4	B	6.9	292.2	0.26	27.82	17.74	81.18	5.77	5.71	7.9	7
2010/07/05	Mid-Flood	DS4	B	6.9	292.2	0.26	27.9	17.22	83.34	5.94	5.81	7.92	5
2010/07/05	Mid-Flood	DS4	M	4.3	292	0.5	28.5	13.11	103.4	7.46	6.83	8.1	8

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)
2010/07/05	Mid-Flood	DS4	M	4.5	293.2	0.69	28.33	14.75	102.68	7.36	6.02	8.08	8
2010/07/05	Mid-Flood	DS4	T	1.1	293.2	0.35	29.29	8.28	118.58	8.67	8.87	8.18	9
2010/07/05	Mid-Flood	DS4	T	1.1	293.2	0.35	29.38	8.37	119.93	8.75	8.87	8.2	8
2010/07/05	Mid-Flood	DS5	B	6.1	307.2	0.26	27.77	17.73	75.67	5.39	5.2	7.86	8
2010/07/05	Mid-Flood	DS5	B	5.9	308.8	0.24	27.89	14.98	79.43	5.73	6.73	7.88	6
2010/07/05	Mid-Flood	DS5	M	4	282.8	0.15	28.52	12.36	93.64	6.78	8.47	8.02	8
2010/07/05	Mid-Flood	DS5	M	3.9	289.4	0.58	28.48	13.47	95.9	6.91	8.36	7.98	9
2010/07/05	Mid-Flood	DS5	T	1	183.6	0.05	29.16	8.4	110.12	8.06	9.28	8.05	10
2010/07/05	Mid-Flood	DS5	T	1.1	316.9	0.33	29.24	8.34	112.57	8.23	9.18	8.09	10
2010/07/05	Mid-Flood	MW1	B	18.7	358.5	0.34	25.05	30.96	49.05	3.4	5.3	7.81	7
2010/07/05	Mid-Flood	MW1	B	18.9	358.5	0.34	25.11	30.77	55.13	3.82	5.1	7.88	6
2010/07/05	Mid-Flood	MW1	M	10.4	319.6	0.08	25.67	28.36	58.73	4.08	3.06	7.9	7
2010/07/05	Mid-Flood	MW1	M	10.5	189.5	0.05	25.56	28.9	56.52	3.92	3.77	7.91	5
2010/07/05	Mid-Flood	MW1	T	1.3	33.1	0.05	29.46	10.45	157.12	11.32	6.53	8.65	12
2010/07/05	Mid-Flood	MW1	T	1.2	33.1	0.05	29.51	10.42	162.17	11.67	6.53	8.67	11
2010/07/05	Mid-Flood	US1	B	6.7	31.2	0.16	28.03	16.35	99.15	7.08	7.34	8.06	11
2010/07/05	Mid-Flood	US1	B	6.9	214.2	0.13	28	16.72	106.83	7.62	7.45	8.04	10
2010/07/05	Mid-Flood	US1	M	4.5	292.1	0.4	28.59	14.32	135.95	9.73	6.02	8.29	10
2010/07/05	Mid-Flood	US1	M	4.6	296.5	0.44	28.89	12.78	145.41	10.44	6.22	8.43	9
2010/07/05	Mid-Flood	US1	T	0.9	280.3	0.41	29.91	9.52	179.97	12.93	7.14	8.7	11
2010/07/05	Mid-Flood	US1	T	1.1	280.3	0.41	29.58	10.36	176.26	12.67	7.04	8.65	10
2010/07/05	Mid-Flood	US2	B	6	295.8	0.21	28.08	16.22	101.05	7.22	5.81	8.08	6
2010/07/05	Mid-Flood	US2	B	6	312.6	0.38	27.94	17.06	96.77	6.9	5.71	8.03	6
2010/07/05	Mid-Flood	US2	M	3.9	295.8	0.32	29.5	11.25	169.86	12.17	6.53	8.6	8
2010/07/05	Mid-Flood	US2	M	4	317.4	0.35	28.5	14.76	128	9.15	4.59	8.22	10
2010/07/05	Mid-Flood	US2	T	1.2	297.3	0.34	29.97	10.18	182.7	13.06	6.83	8.7	11
2010/07/05	Mid-Flood	US2	T	1.1	297.3	0.34	29.85	10.44	179.98	12.88	6.83	8.68	10
2010/07/07	Mid-Ebb	DS1	B	8.2	289.4	0.37	26.4	25.39	40.93	2.86	8	7.72	15
2010/07/07	Mid-Ebb	DS1	B	7.2	77.6	0.31	26.63	24.45	46.63	3.26	6.22	7.76	14
2010/07/07	Mid-Ebb	DS1	M	5.2	25	0.13	26.62	24.7	51.77	3.61	6.53	7.77	5
2010/07/07	Mid-Ebb	DS1	M	5	95.4	0.3	27.74	19.07	75.21	5.32	4.39	7.97	7
2010/07/07	Mid-Ebb	DS1	T	1	123.2	0.62	29.45	9.05	124.24	9.02	6.22	8.42	8
2010/07/07	Mid-Ebb	DS1	T	1	123.2	0.62	29.44	9.12	125.86	9.13	6.43	8.42	8
2010/07/07	Mid-Ebb	DS2	B	5	90.8	0.41	27.45	21	80.19	5.64	3.26	7.95	18
2010/07/07	Mid-Ebb	DS2	B	4.9	77	0.3	27.34	20.86	73.17	5.16	3.16	7.94	18
2010/07/07	Mid-Ebb	DS2	M	2.9	114.9	0.45	29.08	11.31	115.45	8.33	10.91	8.32	11
2010/07/07	Mid-Ebb	DS2	M	3.5	75.9	0.47	28.53	13.38	97.98	7.05	12.24	8.17	11
2010/07/07	Mid-Ebb	DS2	T	0.9	91.1	0.54	29.29	9.66	121.64	8.82	6.43	8.38	8
2010/07/07	Mid-Ebb	DS2	T	0.9	91.1	0.54	29.43	9.29	127.91	9.28	6.12	8.41	8
2010/07/07	Mid-Ebb	DS3	B	5.9	74.8	0.32	27.52	20.35	74.21	5.23	5.41	7.92	8
2010/07/07	Mid-Ebb	DS3	B	6.1	55.2	0.18	27.09	22.38	66.12	4.64	8.47	7.83	6
2010/07/07	Mid-Ebb	DS3	M	3.9	111.3	0.37	29.03	11.95	115.44	8.31	9.08	8.27	9
2010/07/07	Mid-Ebb	DS3	M	3.9	88	0.43	28.41	14.98	91.2	6.52	7.45	8.07	10
2010/07/07	Mid-Ebb	DS3	T	0.9	81.6	0.32	29.42	10.1	130.88	9.45	6.02	8.46	9
2010/07/07	Mid-Ebb	DS3	T	1.1	81.6	0.32	29.46	9.72	130.94	9.47	6.22	8.45	8
2010/07/07	Mid-Ebb	DS4	B	12	166.7	0.11	25.09	30.66	36.19	2.51	7.96	7.71	11
2010/07/07	Mid-Ebb	DS4	B	11.9	192.7	0.06	25.08	30.67	36.27	2.51	8.47	7.71	10
2010/07/07	Mid-Ebb	DS4	M	6.9	84.1	0.21	26.69	24.05	44.64	3.12	8.2	7.74	12
2010/07/07	Mid-Ebb	DS4	M	6.8	64.3	0.35	27.05	22.48	51.11	3.59	8.16	7.79	10
2010/07/07	Mid-Ebb	DS4	T	1.2	62.4	0.51	29.49	10.21	130.07	9.38	6.32	8.49	8
2010/07/07	Mid-Ebb	DS4	T	1	62.4	0.51	29.47	10.11	133.17	9.61	6.22	8.51	8
2010/07/07	Mid-Ebb	DS5	B	9	2.7	0.02	25.68	27.82	39	2.72	6	7.74	12
2010/07/07	Mid-Ebb	DS5	B	9.1	141.9	0.15	25.32	29.76	37.51	2.6	6.22	7.72	13
2010/07/07	Mid-Ebb	DS5	M	5.3	75.8	0.31	28.19	17.06	84.57	6	4.08	8.05	9
2010/07/07	Mid-Ebb	DS5	M	5.5	77.2	0.24	27.42	22.29	74.82	5.22	5.81	7.85	8

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)
2010/07/07	Mid-Ebb	DS5	T	1.1	90.8	0.71	29.5	9.74	134.36	9.71	6.12	8.5	9
2010/07/07	Mid-Ebb	DS5	T	1	85.9	0.64	29.47	10.14	129.89	9.37	6.22	8.46	8
2010/07/07	Mid-Ebb	MW1	B	18.8	59.5	0.27	24.38	32.98	27.15	1.88	3.37	7.7	5
2010/07/07	Mid-Ebb	MW1	B	18.9	55.4	0.31	24.39	32.98	27.03	1.87	3.37	7.75	5
2010/07/07	Mid-Ebb	MW1	M	10.8	345.1	0.05	26.34	26.38	67.96	4.72	3.98	7.99	6
2010/07/07	Mid-Ebb	MW1	M	10.5	319.2	0.04	26.3	25.47	64.54	4.51	3.57	8	7
2010/07/07	Mid-Ebb	MW1	T	0.9	78.4	0.77	29.37	11.5	146.87	10.53	3.57	8.68	6
2010/07/07	Mid-Ebb	MW1	T	1.3	78.4	0.77	29.28	11.34	143.42	10.31	4.28	8.67	6
2010/07/07	Mid-Ebb	US1	B	6	86.4	0.46	27.07	22.19	72.09	5.07	1.63	7.9	4
2010/07/07	Mid-Ebb	US1	B	6	93.2	0.36	27.02	23.03	65.84	4.61	1.43	7.87	4
2010/07/07	Mid-Ebb	US2	B	5.9	92.8	0.39	27.12	22.08	70.38	4.94	1.43	7.92	3
2010/07/07	Mid-Ebb	US2	B	6.1	86.4	0.46	26.85	23.5	64.13	4.49	2.14	7.86	4
2010/07/07	Mid-Ebb	US1	M	3.8	136.1	0.46	28.8	12.89	98.44	7.07	6.02	8.12	8
2010/07/07	Mid-Ebb	US1	M	3.9	120.2	0.45	27.88	18.72	82.61	5.84	6	8.03	7
2010/07/07	Mid-Ebb	US1	T	1.1	125.8	0.56	29.39	9.07	124.69	9.06	6.22	8.37	8
2010/07/07	Mid-Ebb	US1	T	1	125.8	0.56	29.43	9	123.85	9	6.32	8.38	8
2010/07/07	Mid-Ebb	US2	M	4	136.6	0.53	28.41	15.86	80.85	5.75	6.43	7.96	6
2010/07/07	Mid-Ebb	US2	M	4.1	131.6	0.49	28.57	13.22	81.51	5.87	6.53	8	5
2010/07/07	Mid-Ebb	US2	T	1.1	133.9	0.7	29.31	9.11	121.26	8.82	6.22	8.35	8
2010/07/07	Mid-Ebb	US2	T	1.1	133.9	0.7	29.36	9.06	121.62	8.84	6.22	8.36	8
2010/07/07	Mid-Flood	DS1	B	5.8	295.6	0.23	27.82	18.29	75.57	5.36	7.65	7.93	8
2010/07/07	Mid-Flood	DS1	B	5.9	296.3	0.29	27.58	19.88	74.29	5.24	9.08	7.91	9
2010/07/07	Mid-Flood	DS1	M	4	298.6	0.31	28.21	15.9	83.85	5.99	6.43	7.97	10
2010/07/07	Mid-Flood	DS1	M	4	307.8	0.41	28.15	17.35	88.02	6.24	7.85	8.08	11
2010/07/07	Mid-Flood	DS1	T	1	321.6	0.42	29.98	9.33	137.14	9.85	8.06	8.43	10
2010/07/07	Mid-Flood	DS1	T	1.1	321.6	0.42	29.93	9.37	136.49	9.81	7.96	8.41	9
2010/07/07	Mid-Flood	DS2	B	5.9	321.1	0.13	27.45	20.02	65.92	4.66	9.28	7.82	12
2010/07/07	Mid-Flood	DS2	B	5.9	233.3	0.18	27.66	19.06	73.1	5.18	6.02	7.88	11
2010/07/07	Mid-Flood	DS2	M	4	320.9	0.19	27.82	18.31	74.39	5.27	6.02	7.91	8
2010/07/07	Mid-Flood	DS2	M	3.9	313.8	0.17	27.82	18.26	74.62	5.29	5.51	7.9	7
2010/07/07	Mid-Flood	DS2	T	1	317.8	0.52	29.85	10.63	140.63	10.05	7.96	8.46	10
2010/07/07	Mid-Flood	DS2	T	1.1	317.8	0.52	29.01	12.07	115.26	8.29	7.45	8.11	9
2010/07/07	Mid-Flood	DS3	B	5.9	224	0.08	27.75	18.84	78.33	5.54	5.61	7.93	5
2010/07/07	Mid-Flood	DS3	B	6	276.8	0.1	27.69	19.01	75.14	5.32	5.71	7.9	6
2010/07/07	Mid-Flood	DS3	M	4.1	287.2	0.22	27.86	18.51	81.46	5.77	5.41	7.97	6
2010/07/07	Mid-Flood	DS3	M	3.9	293.1	0.28	28.32	17.07	102.04	7.22	5.81	8.07	6
2010/07/07	Mid-Flood	DS3	T	1.1	352.8	0.32	29.81	11.55	142.69	10.15	7.45	8.48	9
2010/07/07	Mid-Flood	DS3	T	1.2	317.8	0.52	29.69	11.54	138.02	9.84	7.24	8.42	9
2010/07/07	Mid-Flood	DS4	B	5.9	271.9	0.06	27.82	18.55	80.97	5.73	6.12	7.95	6
2010/07/07	Mid-Flood	DS4	B	6	244.6	0.15	27.65	19.2	77.07	5.45	5.81	7.9	8
2010/07/07	Mid-Flood	DS4	M	3.9	247.5	0.33	29.1	13.26	126.74	9.04	6.43	8.35	9
2010/07/07	Mid-Flood	DS4	M	3.9	269.2	0.36	28.65	15.92	119.75	8.48	5.92	8.2	9
2010/07/07	Mid-Flood	DS4	T	1.1	271.2	0.24	29.95	9.43	135.71	9.75	7.85	8.42	10
2010/07/07	Mid-Flood	DS4	T	1.1	271.2	0.24	29.88	10.45	137.77	9.85	7.75	8.45	10
2010/07/07	Mid-Flood	DS5	B	6.1	253.7	0.25	28.04	17.8	91.92	6.51	6.53	7.99	8
2010/07/07	Mid-Flood	DS5	B	5.9	251.1	0.31	28.33	16.9	100.3	7.11	5.71	8.12	8
2010/07/07	Mid-Flood	DS5	M	4	266.4	0.38	28.94	15.06	129.2	9.15	5.92	8.31	10
2010/07/07	Mid-Flood	DS5	M	3.8	241.8	0.23	29.64	11.62	136.3	9.72	7.75	8.41	11
2010/07/07	Mid-Flood	DS5	T	0.9	245.4	0.1	29.83	9.2	128.61	9.27	8.57	8.34	10
2010/07/07	Mid-Flood	DS5	T	1.2	257.8	0.31	29.92	8.62	129.88	9.38	8.57	8.35	10
2010/07/07	Mid-Flood	MW1	B	18.6	88.8	0.14	24.56	32.48	30.94	2.14	4.18	7.72	7
2010/07/07	Mid-Flood	MW1	B	18.5	88.8	0.14	24.54	32.58	36.86	2.55	4.59	7.73	7
2010/07/07	Mid-Flood	MW1	M	10.4	168.4	0.11	25.2	30.38	40.62	2.81	3.37	7.8	5
2010/07/07	Mid-Flood	MW1	M	10.6	246.9	0.07	25.19	30.4	41.34	2.86	3.47	7.81	5
2010/07/07	Mid-Flood	MW1	T	1	230.2	0.06	29.44	14.5	156.27	11.01	4.79	8.61	6

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)
2010/07/07	Mid-Flood	MW1	T	1.1	336.4	0.19	29.06	15.55	141.45	9.97	4.79	8.52	5
2010/07/07	Mid-Flood	US1	B	6	305.3	0.34	27.76	19.24	81.31	5.74	7.85	8.02	10
2010/07/07	Mid-Flood	US1	B	5.9	306.1	0.31	27.7	19.53	80.93	5.71	8.36	8	11
2010/07/07	Mid-Flood	US1	M	4.1	297.4	0.42	27.99	18.31	89.8	6.35	6.73	8.09	9
2010/07/07	Mid-Flood	US1	M	3.9	307.6	0.4	28.37	16.88	100.34	7.1	6.43	8.19	10
2010/07/07	Mid-Flood	US1	T	0.9	314.4	0.44	30.15	8.05	138.71	10	8.36	8.45	10
2010/07/07	Mid-Flood	US1	T	1.1	314.4	0.44	30.15	8.02	139.56	10.07	8.36	8.45	11
2010/07/07	Mid-Flood	US2	B	3.9	304.6	0.28	29.57	14.11	133.76	9.42	6.73	8.42	9
2010/07/07	Mid-Flood	US2	B	3.9	326.3	0.4	29.93	9.02	136.44	9.83	7.85	8.45	9
2010/07/07	Mid-Flood	US2	M	2.9	9	0.2	30.06	8.07	138.33	9.99	8.06	8.45	10
2010/07/07	Mid-Flood	US2	M	2.9	353.8	0.06	29.96	8.16	138.58	10.02	8.06	8.45	9
2010/07/07	Mid-Flood	US2	T	1	267.9	0.36	30.19	7.77	140.17	10.12	8.26	8.45	9
2010/07/07	Mid-Flood	US2	T	1.2	267.9	0.36	30.14	8.06	140.22	10.11	8.26	8.44	9
2010/07/09	Mid-Ebb	DS1	B	6	102.7	0.4	26.75	24.51	53.6	3.74	6.43	7.78	7
2010/07/09	Mid-Ebb	DS1	B	5.8	106.5	0.48	26.83	24.01	51.5	3.6	5.81	7.78	8
2010/07/09	Mid-Ebb	DS1	M	4	120.8	0.62	27.07	23.01	52.1	3.64	4.9	7.8	9
2010/07/09	Mid-Ebb	DS1	M	4	127.7	0.69	26.97	23.48	52.21	3.65	4.59	7.78	7
2010/07/09	Mid-Ebb	DS1	T	1	134	0.79	29.76	9.05	117.78	8.5	7.14	8.3	6
2010/07/09	Mid-Ebb	DS1	T	1.2	113.6	0.39	29.82	8.84	118.4	8.55	7.14	8.3	8
2010/07/09	Mid-Ebb	DS2	B	4.9	110.4	0.56	27.12	23.31	58.36	4.07	6.12	7.81	8
2010/07/09	Mid-Ebb	DS2	B	5	103.2	0.54	26.88	23.8	50.82	3.55	8.26	7.78	7
2010/07/09	Mid-Ebb	DS2	M	3.4	113.9	0.61	27.49	20.62	60.47	4.26	5.51	7.84	7
2010/07/09	Mid-Ebb	DS2	M	3.5	113.3	0.69	27.1	22.67	52.13	3.65	5.41	7.8	8
2010/07/09	Mid-Ebb	DS2	T	1.1	130.8	0.99	29.65	9.83	116.33	8.38	7.14	8.26	7
2010/07/09	Mid-Ebb	DS2	T	1.1	127.4	0.84	29.68	9.65	115.54	8.33	7.24	8.28	8
2010/07/09	Mid-Ebb	DS3	B	7	39.4	0.18	26.87	23.83	50.64	3.54	14.28	7.78	19
2010/07/09	Mid-Ebb	DS3	B	7	68.3	0.23	26.79	24.24	51.05	3.56	16.01	7.77	19
2010/07/09	Mid-Ebb	DS3	M	4.5	100.7	0.55	27.14	22.52	52.75	3.7	9.69	7.81	8
2010/07/09	Mid-Ebb	DS3	M	4.5	97.2	0.49	27.37	21.15	59.31	4.17	5.92	7.83	8
2010/07/09	Mid-Ebb	DS3	T	1.1	127.4	0.84	29.85	8.92	122.93	8.87	7.14	8.32	7
2010/07/09	Mid-Ebb	DS3	T	1.2	124.2	0.66	29.84	8.99	121.54	8.77	7.04	8.31	7
2010/07/09	Mid-Ebb	DS4	B	11.9	216.9	0.09	25.2	30.47	30.32	2.1	8.16	7.72	11
2010/07/09	Mid-Ebb	DS4	B	12	216.9	0.09	25.19	30.47	31.43	2.18	9.38	7.72	11
2010/07/09	Mid-Ebb	DS4	M	6.9	94.3	0.55	27.39	21.19	58.02	4.08	7.34	7.86	9
2010/07/09	Mid-Ebb	DS4	M	7	92.7	0.5	27.44	21.13	58.13	4.08	6.43	7.87	9
2010/07/09	Mid-Ebb	DS4	T	1	123.3	0.95	29.88	8.98	122.39	8.82	7.04	8.35	6
2010/07/09	Mid-Ebb	DS4	T	1.1	110	0.93	29.87	9.1	118.48	8.54	7.04	8.36	8
2010/07/09	Mid-Ebb	DS5	B	7.9	115.8	0.25	26.05	27.28	39.6	2.75	9.79	7.73	11
2010/07/09	Mid-Ebb	DS5	B	8	95.9	0.29	26.14	27.13	46.16	3.21	10	7.73	12
2010/07/09	Mid-Ebb	DS5	M	4.8	93.9	0.89	28.4	16.38	83.74	5.94	6.53	7.99	8
2010/07/09	Mid-Ebb	DS5	M	5	89	0.76	28.49	15.86	81.94	5.82	6.53	8	6
2010/07/09	Mid-Ebb	DS5	T	1	103.1	0.91	29.93	9.07	126.17	9.08	6.94	8.36	8
2010/07/09	Mid-Ebb	DS5	T	1.2	94.8	1.02	29.89	9.1	124.28	8.95	7.14	8.36	7
2010/07/09	Mid-Ebb	MW1	B	18.9	70.7	0.4	24.64	32.36	25.41	1.76	5.51	7.72	8
2010/07/09	Mid-Ebb	MW1	B	18.5	146.9	0.52	24.74	32.12	24.71	1.71	5	7.74	7
2010/07/09	Mid-Ebb	MW1	M	10.5	298.7	0.13	28.39	17.15	88.07	6.22	3.77	8.21	4
2010/07/09	Mid-Ebb	MW1	M	10.5	171.4	0.53	28.88	15.23	101.76	7.21	4.49	8.31	6
2010/07/09	Mid-Ebb	MW1	T	1.1	83.2	0.75	29.68	11.07	136.42	9.76	4.9	8.51	7
2010/07/09	Mid-Ebb	MW1	T	1.1	87.3	1.08	29.65	11.31	134.71	9.63	5.2	8.49	6
2010/07/09	Mid-Ebb	US1	B	6	99.7	0.28	26.44	25.65	39.3	2.74	8.16	7.74	8
2010/07/09	Mid-Ebb	US1	B	5.9	116.7	0.28	26.46	25.63	47.15	3.28	5.81	7.74	8
2010/07/09	Mid-Ebb	US2	B	6	125.7	0.31	26.36	26.07	44.91	3.13	4.9	7.74	6
2010/07/09	Mid-Ebb	US2	B	6	136.1	0.41	26.47	25.58	47.83	3.33	4.39	7.74	8
2010/07/09	Mid-Ebb	US1	M	4	140.3	0.76	27.04	23.17	49.66	3.47	4.49	7.79	7
2010/07/09	Mid-Ebb	US1	M	3.8	151.7	0.55	26.96	21.58	46.05	3.25	5.1	7.79	6

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)
2010/07/09	Mid-Ebb	US1	T	1.2	128.1	0.93	29.65	9.17	113.5	8.21	7.24	8.26	8
2010/07/09	Mid-Ebb	DS1	T	0.9	128.1	0.93	29.65	9.08	108.99	7.88	7.45	8.27	8
2010/07/09	Mid-Ebb	US2	M	3.9	143.5	0.6	27.29	21.95	54.06	3.79	4.69	7.81	9
2010/07/09	Mid-Ebb	US2	M	3.8	142.9	0.73	27.38	21.56	56.07	3.93	5	7.81	8
2010/07/09	Mid-Ebb	US2	T	1.1	155.9	1.13	29.52	9.71	110.73	8	7.14	8.19	7
2010/07/09	Mid-Ebb	US2	T	1.2	136	0.85	29.57	9.48	110.85	8.01	7.04	8.2	8
2010/07/09	Mid-Flood	DS1	B	7	300.5	0.42	28.31	17.87	83.62	5.89	57.12	7.98	171
2010/07/09	Mid-Flood	DS1	B	7	292.8	0.47	28.44	17.87	88.85	6.25	37.13	8.02	174
2010/07/09	Mid-Flood	DS1	M	4.4	301.3	0.69	29.47	12.66	109.18	7.77	12.75	8.16	13
2010/07/09	Mid-Flood	DS1	M	4.5	313.4	0.76	29.29	13.63	107.27	7.61	11.42	8.2	14
2010/07/09	Mid-Flood	DS1	T	1.1	308.2	0.61	29.54	11.18	108.87	7.8	45.8	8.13	29
2010/07/09	Mid-Flood	DS1	T	1	308.2	0.61	29.55	10.97	109.24	7.83	63.04	8.13	31
2010/07/09	Mid-Flood	DS2	B	6.8	288.2	0.28	28.53	17.54	102.24	7.19	12.14	8.07	33
2010/07/09	Mid-Flood	DS2	B	6.9	300.5	0.42	28.61	17.28	105.38	7.41	12.04	8.09	32
2010/07/09	Mid-Flood	DS2	M	4.6	293.4	0.47	28.8	16.62	110.56	7.78	18.87	8.14	18
2010/07/09	Mid-Flood	DS2	M	4.5	293.4	0.47	28.91	14.94	104.39	7.4	10.81	8.09	17
2010/07/09	Mid-Flood	DS2	T	1.1	309.7	0.44	29.63	10.92	118.19	8.47	9.69	8.13	10
2010/07/09	Mid-Flood	DS2	T	1.2	309.7	0.44	29.69	10.54	112.11	8.04	9.79	8.16	9
2010/07/09	Mid-Flood	DS3	B	7.1	14.5	0.2	28.11	18.28	85.78	6.05	11.73	7.92	16
2010/07/09	Mid-Flood	DS3	B	7	267.7	0.37	28.18	18.18	90.32	6.37	12.65	7.95	15
2010/07/09	Mid-Flood	DS3	M	4.5	291.5	0.5	28.67	17.03	107.22	7.55	10.91	8.1	18
2010/07/09	Mid-Flood	DS3	M	4.5	291.5	0.5	28.32	17.95	91.61	6.45	15.1	8.01	16
2010/07/09	Mid-Flood	DS3	T	1.1	302.7	0.5	29.76	13.03	139.57	9.86	7.85	8.38	11
2010/07/09	Mid-Flood	DS3	T	1.1	302.7	0.5	29.54	13.76	135.76	9.59	7.55	8.35	9
2010/07/09	Mid-Flood	DS4	B	6.9	301.7	0.28	28.09	17.79	74.32	5.26	9.49	7.82	12
2010/07/09	Mid-Flood	DS4	B	7	295.3	0.28	28.11	17.9	82.25	5.82	8.77	7.86	10
2010/07/09	Mid-Flood	DS4	M	4.5	281.1	0.43	28.39	17.43	92.3	6.51	8.87	7.99	11
2010/07/09	Mid-Flood	DS4	M	4.6	281.1	0.43	28.52	17.3	102.31	7.21	8.26	8.06	11
2010/07/09	Mid-Flood	DS4	T	1	294.9	0.61	29.71	12.52	131.83	9.35	8.06	8.32	9
2010/07/09	Mid-Flood	DS4	T	1.2	294.9	0.61	29.57	13.27	131.4	9.3	7.55	8.32	7
2010/07/09	Mid-Flood	DS5	B	7	301.9	0.28	27.81	18.34	66.43	4.71	10.71	7.73	12
2010/07/09	Mid-Flood	DS5	B	7.1	309.6	0.29	28	17.72	72.27	5.13	10	7.79	11
2010/07/09	Mid-Flood	DS5	M	4.5	292.3	0.36	28.6	16.21	93.37	6.61	7.96	8.04	9
2010/07/09	Mid-Flood	DS5	M	4.6	299.4	0.51	28.52	16.82	96.22	6.8	8.06	8.02	11
2010/07/09	Mid-Flood	DS5	T	1.1	289.2	0.55	29.72	10.72	113.34	8.12	10.71	8.15	10
2010/07/09	Mid-Flood	DS5	T	1.1	289.2	0.55	29.73	10.58	114.11	8.17	10.71	8.16	10
2010/07/09	Mid-Flood	MW1	B	18.6	270	0.08	24.92	31.44	33.36	2.31	10.4	7.72	17
2010/07/09	Mid-Flood	MW1	B	18.7	325.6	0.15	24.93	31.42	35.03	2.42	10.1	7.73	20
2010/07/09	Mid-Flood	MW1	M	10.5	243	0.06	25.4	29.8	35.04	2.43	6.73	7.75	11
2010/07/09	Mid-Flood	MW1	M	10.6	268.5	0.15	25.3	30.16	33.65	2.33	7.24	7.75	12
2010/07/09	Mid-Flood	MW1	T	1.2	123.7	0.1	27.13	23.8	76.85	5.35	5	7.99	10
2010/07/09	Mid-Flood	MW1	T	1	132	0.27	27.17	23.76	78.7	5.47	5.3	8	9
2010/07/09	Mid-Flood	US1	B	7.1	292.8	0.47	28.41	17.74	90.38	6.36	18.87	8.03	22
2010/07/09	Mid-Flood	US1	B	7	297.8	0.56	28.39	17.82	96.49	6.79	18.87	8.03	23
2010/07/09	Mid-Flood	US1	M	4.4	295.7	0.54	29.62	14.32	133.43	9.38	9.28	8.32	12
2010/07/09	Mid-Flood	US1	M	4.5	301.9	0.6	29.85	14.69	135.97	9.5	7.75	8.37	12
2010/07/09	Mid-Flood	US1	T	1.1	316.7	0.52	30.01	9.06	127.38	9.16	8.77	8.33	8
2010/07/09	Mid-Flood	US1	T	1	316.7	0.52	29.94	9.74	125.77	9.02	8.87	8.3	10
2010/07/09	Mid-Flood	US2	B	6.1	302.3	0.09	27.76	20.02	79.43	5.58	23.05	7.91	18
2010/07/09	Mid-Flood	US2	B	5.9	321.9	0.36	27.64	20.49	89.11	6.26	28.46	7.9	19
2010/07/09	Mid-Flood	US2	M	4.1	300.4	0.42	28.54	16.85	100.99	7.13	5.2	8.07	14
2010/07/09	Mid-Flood	US2	M	3.9	275.8	0.52	28.24	17.89	89.1	6.29	9.89	8.02	14
2010/07/09	Mid-Flood	US2	T	0.9	291	0.5	30.06	10.64	135.7	9.66	7.45	8.39	8
2010/07/09	Mid-Flood	US2	T	1	291	0.5	30.3	12.47	146.04	10.26	5.1	8.51	8
2010/07/12	Mid-Flood	DS1	B	6.7	318.8	0.46	28.07	20.57	77.74	5.42	64.87	7.84	90

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)
2010/07/12	Mid-Flood	DS1	B	6.5	318.8	0.46	28.07	20.5	76.82	5.36	63.14	7.86	92
2010/07/12	Mid-Flood	DS1	M	4.4	309.4	0.71	29.07	17.87	93.4	6.5	39.47	7.92	95
2010/07/12	Mid-Flood	DS1	M	4.6	309.7	0.55	28.73	18.41	92.96	6.49	20.91	7.98	92
2010/07/12	Mid-Flood	DS1	T	1	318.1	0.77	29.6	13.77	83.67	5.9	10.51	7.79	15
2010/07/12	Mid-Flood	DS1	T	1.1	318.1	0.77	29.56	14.24	89.29	6.29	12.44	7.86	13
2010/07/12	Mid-Flood	DS2	B	6.6	321.6	0.31	28.44	18.37	66.11	4.64	30.4	7.74	78
2010/07/12	Mid-Flood	DS2	B	6.5	314.8	0.48	28.42	18.64	71.74	5.03	28.76	7.77	73
2010/07/12	Mid-Flood	DS2	M	4.5	308.1	0.45	28.77	16.97	69.98	4.92	19.89	7.74	25
2010/07/12	Mid-Flood	DS2	M	4.6	321.4	0.46	28.68	17.3	69.46	4.88	19.07	7.74	29
2010/07/12	Mid-Flood	DS2	T	1.1	328.8	0.58	30.24	12.14	92.01	6.48	9.18	7.82	9
2010/07/12	Mid-Flood	DS2	T	1.1	340.1	0.65	30	12	89.39	6.33	8.87	7.81	8
2010/07/12	Mid-Flood	DS3	B	6.5	341.8	0.25	27.86	19.72	57.44	4.04	30.4	7.71	132
2010/07/12	Mid-Flood	DS3	B	6.6	330.1	0.31	27.32	22.98	58.41	4.07	32.33	7.73	135
2010/07/12	Mid-Flood	DS3	M	4.6	320.7	0.42	28.81	16.74	68.17	4.79	16.93	7.72	25
2010/07/12	Mid-Flood	DS3	M	4.5	320.7	0.42	28.68	17.13	66.36	4.67	20.71	7.72	22
2010/07/12	Mid-Flood	DS3	T	1.1	323.4	0.48	30.14	12.14	92	6.49	9.28	7.84	10
2010/07/12	Mid-Flood	DS3	T	1.1	323.4	0.48	29.85	13.21	85.12	6	10.3	7.8	10
2010/07/12	Mid-Flood	DS4	B	6.9	226.9	0.07	27.61	20.91	52.33	3.67	26.83	7.64	18
2010/07/12	Mid-Flood	DS4	B	6.9	299.1	0.18	27.64	20.81	53.91	3.78	24.38	7.65	19
2010/07/12	Mid-Flood	DS4	M	4.4	355.9	0.25	28.35	16.96	58.69	4.16	14.69	7.66	16
2010/07/12	Mid-Flood	DS4	M	4.5	346	0.2	28.25	18.53	58.57	4.12	13.77	7.66	17
2010/07/12	Mid-Flood	DS4	T	1	330.7	0.49	29.57	15.33	82.26	5.76	12.14	7.75	10
2010/07/12	Mid-Flood	DS4	T	1	330.7	0.49	30	13.05	88.1	6.2	9.59	7.82	10
2010/07/12	Mid-Flood	DS5	B	7	30.1	0.22	27.77	20.05	52.28	3.67	16.01	7.61	22
2010/07/12	Mid-Flood	DS5	B	7.2	69.8	0.02	27.77	20.06	55.75	3.92	14.99	7.62	19
2010/07/12	Mid-Flood	DS5	M	4.4	193.5	0.03	28.49	17.63	60.64	4.27	13.26	7.64	16
2010/07/12	Mid-Flood	DS5	M	4.5	290.3	0.11	27.77	20.05	51.76	3.64	13.77	7.62	17
2010/07/12	Mid-Flood	DS5	T	1.1	246.4	0.17	29.92	12.97	86.03	6.06	13.77	7.76	16
2010/07/12	Mid-Flood	DS5	T	1.1	276.9	0.46	29.29	15.42	73.95	5.2	12.55	7.73	15
2010/07/12	Mid-Flood	MW1	B	19.1	42	0.1	25.27	30	52.22	3.62	18.36	7.83	30
2010/07/12	Mid-Flood	MW1	B	19	42	0.1	25.23	30.14	52.6	3.65	18.46	7.83	32
2010/07/12	Mid-Flood	MW1	M	10.5	134.3	0.11	25.95	27.87	54.77	3.8	15.3	7.84	24
2010/07/12	Mid-Flood	MW1	M	10.6	124	0.11	26.02	27.74	56.32	3.91	14.89	7.85	23
2010/07/12	Mid-Flood	MW1	T	1.2	277.4	0.02	26.68	25.71	64.21	4.45	7.55	7.88	14
2010/07/12	Mid-Flood	MW1	T	1.1	132.3	0.06	26.68	25.7	63.89	4.43	7.04	7.88	12
2010/07/12	Mid-Flood	US1	B	6.8	319.3	0.3	27.81	21.36	69.44	4.84	29.27	7.81	45
2010/07/12	Mid-Flood	US1	B	6.7	310.9	0.43	27.75	21.57	73.77	5.14	33.35	7.82	41
2010/07/12	Mid-Flood	US1	M	4.5	289.2	0.48	27.91	21.13	71.31	4.97	25.09	7.82	33
2010/07/12	Mid-Flood	US1	M	4.5	289.2	0.48	27.9	21.14	70.79	4.93	23.97	7.83	35
2010/07/12	Mid-Flood	US1	T	1.1	300.3	0.82	29.32	17.14	118.84	8.27	10.61	8.12	10
2010/07/12	Mid-Flood	US1	T	1.1	300.3	0.82	29.81	13.95	99.89	7.02	7.75	7.97	9
2010/07/12	Mid-Flood	US2	B	6	298.1	0.36	27.67	21.95	70.36	4.9	25.09	7.8	35
2010/07/12	Mid-Flood	US2	B	6	306.7	0.34	27.63	22.09	66.87	4.66	26.42	7.82	33
2010/07/12	Mid-Flood	US2	M	4	327.4	0.53	28.12	20.81	79.26	5.51	17.03	7.86	13
2010/07/12	Mid-Flood	US2	M	4.1	327.4	0.53	28.26	20.62	82.2	5.71	12.55	7.9	13
2010/07/12	Mid-Flood	US2	T	1	300.6	0.83	29.65	16.22	118.72	8.26	8.77	8.13	13
2010/07/12	Mid-Flood	US2	T	1	300.6	0.83	29.54	16.46	113.74	7.91	8.47	8.08	13
2010/07/14	Mid-Ebb	DS1	B	7.1	85.4	0.63	27.16	24.51	65.28	4.52	22.54	7.81	17
2010/07/14	Mid-Ebb	DS1	B	7	85.4	0.63	27.15	24.55	64.3	4.45	22.34	7.81	15
2010/07/14	Mid-Ebb	DS1	M	4.5	103.3	0.76	27.45	23.27	66.09	4.59	9.79	7.81	10
2010/07/14	Mid-Ebb	DS1	M	4.4	104.9	0.72	27.34	23.83	66.72	4.62	10.51	7.82	10
2010/07/14	Mid-Ebb	DS1	T	1.2	113.5	0.81	28.96	19.25	85.29	5.9	4.08	7.86	5
2010/07/14	Mid-Ebb	DS1	T	1.5	118.3	0.86	28.77	19.54	83.2	5.77	4.08	7.85	5
2010/07/14	Mid-Ebb	DS2	B	5.9	101.5	0.66	27.26	24.12	67.26	4.66	17.24	7.82	26
2010/07/14	Mid-Ebb	DS2	B	5.9	101.5	0.66	27.23	24.23	67.58	4.68	19.99	7.81	26

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)
2010/07/14	Mid-Ebb	DS2	M	3.9	102.9	0.87	27.53	23.1	67.06	4.65	9.79	7.81	12
2010/07/14	Mid-Ebb	DS2	M	3.9	109.6	0.93	27.39	23.74	66.78	4.63	11.02	7.81	12
2010/07/14	Mid-Ebb	DS2	T	1.2	129.3	0.56	28.83	19.25	86.27	5.98	3.98	7.86	4
2010/07/14	Mid-Ebb	DS2	T	1.2	129.3	0.56	29.06	18.66	89.01	6.17	3.67	7.88	4
2010/07/14	Mid-Ebb	DS3	B	10.9	56.5	0.24	26.99	25.36	64.4	4.45	24.79	7.81	33
2010/07/14	Mid-Ebb	DS3	B	11	71.6	0.16	27.04	25.19	66.02	4.56	24.38	7.8	29
2010/07/14	Mid-Ebb	DS3	M	6.5	71.3	0.27	27.15	24.58	63.5	4.4	22.44	7.8	28
2010/07/14	Mid-Ebb	DS3	M	6.6	69.3	0.42	27.17	24.55	63.41	4.39	24.38	7.79	33
2010/07/14	Mid-Ebb	DS3	T	1.2	116	0.62	28.8	19.49	84.74	5.87	3.98	7.85	5
2010/07/14	Mid-Ebb	DS3	T	1.2	116	0.62	29.07	19.05	88.08	6.09	3.67	7.87	4
2010/07/14	Mid-Ebb	DS4	B	7.9	62.1	0.33	26.83	25.94	64.65	4.47	20.81	7.81	26
2010/07/14	Mid-Ebb	DS4	B	8	75.8	0.33	26.79	26.07	63.16	4.36	19.18	7.81	24
2010/07/14	Mid-Ebb	DS4	M	5	89	0.45	27.09	25.01	64.86	4.49	16.83	7.81	22
2010/07/14	Mid-Ebb	DS4	M	5.1	60.3	0.47	27.04	25.16	63.97	4.42	17.75	7.81	20
2010/07/14	Mid-Ebb	DS4	T	1.3	90.9	0.58	28.72	19.78	82.39	5.71	3.98	7.85	4
2010/07/14	Mid-Ebb	DS4	T	1.2	90.9	0.58	29.25	18.7	86.04	5.94	3.37	7.88	6
2010/07/14	Mid-Ebb	DS5	B	5.8	76.5	0.58	27.03	25.27	65.21	4.51	15.4	7.82	17
2010/07/14	Mid-Ebb	DS5	B	6	75.5	0.55	27.03	25.27	66.54	4.6	16.63	7.81	18
2010/07/14	Mid-Ebb	DS5	M	4	91.6	0.51	27.27	24.28	65.32	4.52	12.95	7.81	15
2010/07/14	Mid-Ebb	DS5	M	4.1	89.8	0.48	27.27	24.16	65.03	4.5	13.06	7.79	14
2010/07/14	Mid-Ebb	DS5	T	1.4	115.6	0.6	28.61	20.18	81.25	5.63	4.28	7.83	4
2010/07/14	Mid-Ebb	DS5	T	1.2	115.6	0.6	28.37	20.77	80.26	5.56	4.9	7.83	3
2010/07/14	Mid-Ebb	MW1	B	18.9	17.5	0.81	26.89	25.36	63.05	4.37	8.26	7.78	13
2010/07/14	Mid-Ebb	MW1	B	18.3	26.6	0.52	27.01	25.13	64.59	4.47	7.34	7.77	10
2010/07/14	Mid-Ebb	MW1	M	10.5	49.9	0.52	27.27	24.54	69.33	4.79	6.63	7.79	10
2010/07/14	Mid-Ebb	MW1	M	10.5	340.2	0.27	27.29	24.33	66.52	4.6	6.22	7.79	11
2010/07/14	Mid-Ebb	MW1	T	1	63.5	0.85	28.93	21.23	104.56	7.16	4.28	7.98	7
2010/07/14	Mid-Ebb	MW1	T	1.2	63.5	0.94	28.64	21.77	93.97	6.45	4.79	7.92	6
2010/07/14	Mid-Ebb	US1	B	7.6	82.1	0.47	26.95	25.39	64.23	4.44	19.58	7.82	24
2010/07/14	Mid-Ebb	US1	B	7.9	82.1	0.47	26.95	25.42	66.95	4.63	21.11	7.82	25
2010/07/14	Mid-Ebb	US1	M	4.9	104	0.65	27.16	24.67	66.94	4.63	11.83	7.83	22
2010/07/14	Mid-Ebb	US1	M	4.9	108.2	0.7	27.31	23.8	65.15	4.52	9.49	7.8	19
2010/07/14	Mid-Ebb	US1	T	1.2	102.8	0.75	29.06	18.67	86.82	6.02	3.88	7.88	5
2010/07/14	Mid-Ebb	US1	T	1	102.8	0.75	29.17	18.46	88.25	6.11	3.67	7.88	5
2010/07/14	Mid-Ebb	US2	B	8	91.7	0.5	26.85	25.86	65.44	4.52	24.07	7.82	30
2010/07/14	Mid-Ebb	US2	B	8.1	98.2	0.47	26.89	25.64	65.26	4.51	19.48	7.82	31
2010/07/14	Mid-Ebb	US2	M	4.9	130.3	0.69	27.17	24.53	64.34	4.45	12.75	7.81	12
2010/07/14	Mid-Ebb	US2	M	4.9	128.1	0.63	27.48	23.2	65.87	4.57	8.67	7.81	11
2010/07/14	Mid-Ebb	US2	T	1.3	128.9	0.66	28.95	19.59	82.79	5.72	4.9	7.84	5
2010/07/14	Mid-Ebb	US2	T	1.2	134.4	0.71	29.17	18.56	86.33	5.97	4.18	7.86	5
2010/07/14	Mid-Flood	DS1	B	7.8	306.1	0.2	27.08	24.46	58.22	4.04	17.44	7.76	20
2010/07/14	Mid-Flood	DS1	B	8	15.2	0.06	27.08	24.45	59.01	4.09	16.93	7.75	25
2010/07/14	Mid-Flood	DS1	M	4.9	290.5	0.46	27.45	22.93	59.32	4.12	12.85	7.76	17
2010/07/14	Mid-Flood	DS1	M	5	299.1	0.42	27.39	23.24	58.81	4.09	13.26	7.75	17
2010/07/14	Mid-Flood	DS1	T	1.4	303.1	0.72	28.34	19.58	70.38	4.91	6.22	7.77	6
2010/07/14	Mid-Flood	DS1	T	1.2	303.1	0.72	28.2	20.12	68.78	4.8	7.04	7.77	7
2010/07/14	Mid-Flood	DS2	B	7.7	316.7	0.39	27.49	22.99	59.94	4.16	22.64	7.76	37
2010/07/14	Mid-Flood	DS2	B	7.5	327.7	0.32	27.49	23.04	59.93	4.16	26.01	7.76	33
2010/07/14	Mid-Flood	DS2	M	5	327.6	0.38	27.68	22.34	63.33	4.4	12.44	7.77	15
2010/07/14	Mid-Flood	DS2	M	5	325.3	0.48	27.78	21.91	64.42	4.48	10.71	7.77	15
2010/07/14	Mid-Flood	DS2	T	1.2	297.9	0.54	28.59	18.98	79.18	5.52	5.71	7.83	5
2010/07/14	Mid-Flood	DS2	T	1.4	297.9	0.54	28.65	18.81	77.88	5.43	5.41	7.81	5
2010/07/14	Mid-Flood	DS3	B	7.9	322.2	0.52	27.5	22.97	60.25	4.18	16.73	7.74	19
2010/07/14	Mid-Flood	DS3	B	7.8	316.5	0.33	27.44	23.18	57.85	4.02	24.48	7.74	18
2010/07/14	Mid-Flood	DS3	M	5.1	330.5	0.37	28.07	20.66	67.83	4.73	8.57	7.76	8

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)
2010/07/14	Mid-Flood	DS3	M	5.1	327.6	0.38	28.45	19.23	74.51	5.2	6.73	7.8	8
2010/07/14	Mid-Flood	DS3	T	1	330	0.56	28.8	16.56	72.62	5.11	6.12	7.73	5
2010/07/14	Mid-Flood	DS3	T	1.2	330	0.56	28.81	16.51	72.61	5.11	6.32	7.73	6
2010/07/14	Mid-Flood	DS4	B	7.8	328.9	0.64	27.79	21.96	63.06	4.38	10.81	7.75	12
2010/07/14	Mid-Flood	DS4	B	7.9	328.9	0.64	27.77	22	62.75	4.36	10.91	7.74	11
2010/07/14	Mid-Flood	DS4	M	5	5.7	0.67	28.43	18.82	65.35	4.57	6.63	7.72	7
2010/07/14	Mid-Flood	DS4	M	5	5.7	0.67	28.39	19.17	64.65	4.52	6.83	7.72	6
2010/07/14	Mid-Flood	DS4	T	1.3	358.1	0.51	28.67	16.16	68.64	4.85	6.53	7.72	6
2010/07/14	Mid-Flood	DS4	T	1.1	358.1	0.51	28.89	15.38	72.23	5.11	5.92	7.71	6
2010/07/14	Mid-Flood	DS5	B	7.9	26.5	0.46	27.29	24.16	59.58	4.13	20.09	7.72	15
2010/07/14	Mid-Flood	DS5	B	7.8	340.2	0.45	27.13	24.42	53.49	3.71	20.09	7.71	22
2010/07/14	Mid-Flood	DS5	M	5	333.7	0.36	28.21	20.27	63.37	4.42	6.32	7.73	7
2010/07/14	Mid-Flood	DS5	M	5	333.3	0.45	28.25	19.96	62.96	4.39	6.43	7.72	9
2010/07/14	Mid-Flood	DS5	T	1.3	332.3	0.52	28.68	17.68	68.16	4.78	5.92	7.72	6
2010/07/14	Mid-Flood	DS5	T	1.3	332.3	0.52	28.68	17.69	67.95	4.76	5.81	7.72	8
2010/07/14	Mid-Flood	MW1	B	18.8	197	0.09	25.39	30.01	49.59	3.43	22.03	7.63	17
2010/07/14	Mid-Flood	MW1	B	18.4	175.8	0.14	25.26	30.45	48.68	3.37	29.48	7.75	18
2010/07/14	Mid-Flood	MW1	M	10.5	52.6	0.12	26.27	27.31	55.58	3.85	5.41	7.73	4
2010/07/14	Mid-Flood	MW1	M	10.7	52.6	0.12	26.13	27.75	53.98	3.74	5.3	7.77	4
2010/07/14	Mid-Flood	MW1	T	1.1	143.1	0.2	27.97	20.82	71.58	4.99	4.39	7.78	6
2010/07/14	Mid-Flood	MW1	T	1	143.1	0.2	28.03	20.59	71.17	4.96	3.88	7.8	4
2010/07/14	Mid-Flood	US1	B	7	296.9	0.23	26.95	24.92	55.52	3.85	27.95	7.75	28
2010/07/14	Mid-Flood	US1	B	6.9	285.3	0.18	27.05	24.56	59.1	4.1	23.26	7.75	29
2010/07/14	Mid-Flood	US1	M	4.4	301.4	0.4	27.27	23.7	57.41	3.99	19.89	7.75	28
2010/07/14	Mid-Flood	US1	M	4.9	292.9	0.3	27.18	24.02	56.51	3.92	20.09	7.75	28
2010/07/14	Mid-Flood	US1	T	1.2	310.6	0.56	28.25	20.07	70.56	4.92	5.61	7.78	6
2010/07/14	Mid-Flood	US1	T	1.3	310.6	0.56	28.4	19.63	74.45	5.19	5.51	7.81	6
2010/07/14	Mid-Flood	US2	B	7	267.3	0.19	26.33	27.16	58.49	4.05	26.11	7.8	33
2010/07/14	Mid-Flood	US2	B	7	4.3	0.09	26.72	25.67	60.56	4.2	20.6	7.79	35
2010/07/14	Mid-Flood	US2	M	4.6	310.8	0.2	27.05	24.76	57.89	4.01	20.81	7.76	17
2010/07/14	Mid-Flood	US2	M	4.5	322.1	0.36	27.1	24.37	57.58	3.99	14.69	7.78	18
2010/07/14	Mid-Flood	US2	T	1.2	316.9	0.57	28.13	20.6	68.35	4.76	6.22	7.79	7
2010/07/14	Mid-Flood	US2	T	1.2	313.6	0.69	28.27	20.17	71.52	4.98	6.12	7.81	6
2010/07/16	Mid-Ebb	DS1	B	7	136	0.43	27.43	24.77	96.59	6.65	25.09	8	26
2010/07/16	Mid-Ebb	DS1	B	7	86.4	0.56	27.38	24.87	94.61	6.52	22.03	8	26
2010/07/16	Mid-Ebb	DS1	M	4.5	108.4	0.75	27.71	23.76	97.6	6.73	14.08	8	16
2010/07/16	Mid-Ebb	DS1	M	4.5	109.5	0.69	27.75	23.29	88.89	6.14	10.1	7.96	15
2010/07/16	Mid-Ebb	DS1	T	1	123.7	0.64	27.89	23.16	100.82	6.95	10	8.01	13
2010/07/16	Mid-Ebb	DS1	T	0.9	101.9	0.84	27.71	23.01	81.97	5.67	7.24	7.89	13
2010/07/16	Mid-Ebb	DS2	B	7	108.9	0.55	27.47	24.57	94.26	6.49	29.07	8	42
2010/07/16	Mid-Ebb	DS2	B	6.8	88.3	0.5	27.46	24.56	93.38	6.43	20.2	7.99	42
2010/07/16	Mid-Ebb	DS2	M	4.5	97.9	0.83	27.72	23.04	83.51	5.78	7.34	7.9	39
2010/07/16	Mid-Ebb	DS2	M	4.5	107.4	0.6	27.66	23.69	91.38	6.3	13.87	7.96	44
2010/07/16	Mid-Ebb	DS2	T	1	101.9	0.84	27.76	22.86	81	5.6	6.83	7.89	9
2010/07/16	Mid-Ebb	DS2	T	1	125.3	0.77	27.82	22.79	85.05	5.88	6.32	7.9	8
2010/07/16	Mid-Ebb	DS3	B	13	82.2	0.35	27.18	25.29	83.06	5.73	23.36	7.94	41
2010/07/16	Mid-Ebb	DS3	B	13	52.1	0.25	27.14	25.4	82.08	5.66	24.07	7.93	38
2010/07/16	Mid-Ebb	DS3	M	7.5	100.8	0.52	27.52	24.43	94.94	6.54	14.48	8	31
2010/07/16	Mid-Ebb	DS3	M	7.5	96.9	0.35	27.46	24.41	90.74	6.26	12	7.97	31
2010/07/16	Mid-Ebb	DS3	T	1	108.6	0.56	27.85	22.75	83.38	5.76	5.92	7.9	7
2010/07/16	Mid-Ebb	DS3	T	1	108.6	0.56	27.78	22.85	76.66	5.3	6.43	7.86	8
2010/07/16	Mid-Ebb	DS4	B	7	103.8	0.66	27	25.77	78.1	5.39	17.65	7.91	26
2010/07/16	Mid-Ebb	DS4	B	7	103.8	0.66	27.02	25.7	78.42	5.41	17.85	7.91	25
2010/07/16	Mid-Ebb	DS4	M	4.5	86.7	0.69	27.62	23.9	90.98	6.27	10.4	7.97	14
2010/07/16	Mid-Ebb	DS4	M	4.5	87.5	0.7	27.59	23.94	90.3	6.23	12.14	7.96	15

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)
2010/07/16	Mid-Ebb	DS4	T	1	96.9	0.88	27.76	22.97	80.02	5.53	7.45	7.88	7
2010/07/16	Mid-Ebb	DS4	T	1	91.8	0.88	27.81	22.86	82.56	5.71	6.02	7.89	9
2010/07/16	Mid-Ebb	DS5	B	5.9	84.2	0.49	26.91	26.02	74.32	5.13	23.56	7.89	32
2010/07/16	Mid-Ebb	DS5	B	6	88.3	0.52	27.02	25.75	79.28	5.47	17.85	7.9	30
2010/07/16	Mid-Ebb	DS5	M	3.9	102.9	0.7	27.7	23.74	95.98	6.62	6.73	8	12
2010/07/16	Mid-Ebb	DS5	M	4	103	0.76	27.6	23.79	86.13	5.95	10.2	7.94	14
2010/07/16	Mid-Ebb	DS5	T	1	91.8	0.88	28.1	22.73	102.63	7.07	5.2	8	9
2010/07/16	Mid-Ebb	DS5	T	0.9	109.5	0.73	27.99	22.94	97.12	6.69	5.61	7.98	9
2010/07/16	Mid-Ebb	MW1	B	18.9	26	0.51	27.17	25.89	80.41	5.53	7.96	7.89	12
2010/07/16	Mid-Ebb	MW1	B	18.5	24.7	0.27	27.13	25.98	79.11	5.44	7.85	7.88	13
2010/07/16	Mid-Ebb	MW1	M	10.6	22.3	0.26	27.24	25.69	80.41	5.53	5.92	7.89	10
2010/07/16	Mid-Ebb	MW1	M	10.6	34.1	0.57	27.21	25.77	79.93	5.49	6.02	7.88	8
2010/07/16	Mid-Ebb	MW1	T	0.9	90.8	0.45	27.83	24.48	95.27	6.53	3.98	7.96	6
2010/07/16	Mid-Ebb	MW1	T	1.3	64.5	0.78	27.77	24.45	92.46	6.34	4.28	7.95	7
2010/07/16	Mid-Ebb	US1	B	6.9	78.2	0.42	27.52	24.36	95.32	6.57	15.4	8	58
2010/07/16	Mid-Ebb	US1	B	7	95.8	0.53	27.47	24.04	80.19	5.54	17.44	7.91	56
2010/07/16	Mid-Ebb	US1	M	4.5	135	0.46	27.61	23.27	78.27	5.42	7.96	7.86	8
2010/07/16	Mid-Ebb	US1	M	4.5	103.5	0.57	27.75	22.76	75.78	5.25	7.14	7.86	8
2010/07/16	Mid-Ebb	US1	T	1	108.9	0.4	27.73	22.95	80.18	5.55	7.55	7.88	8
2010/07/16	Mid-Ebb	US1	T	0.9	108.9	0.4	27.77	22.73	78.59	5.44	7.14	7.87	8
2010/07/16	Mid-Ebb	US2	B	8	109.6	0.58	27.41	24.33	81.82	5.65	14.08	7.91	22
2010/07/16	Mid-Ebb	US2	B	8.1	99.4	0.4	27.41	24.43	82.74	5.71	18.87	7.93	23
2010/07/16	Mid-Ebb	US2	M	5	119.6	0.55	27.72	22.89	77.01	5.33	8.16	7.85	8
2010/07/16	Mid-Ebb	US2	M	5	114.3	0.49	27.73	22.9	76.93	5.32	7.65	7.85	10
2010/07/16	Mid-Ebb	US2	T	1	119.8	0.45	27.76	22.76	78.02	5.4	7.96	7.85	9
2010/07/16	Mid-Ebb	US2	T	1	129.1	0.56	27.79	22.71	78.24	5.42	7.34	7.86	11
2010/07/16	Mid-Flood	DS1	B	8.1	313.3	0.29	26.91	25.38	59.76	4.14	25.5	7.77	32
2010/07/16	Mid-Flood	DS1	B	8	215.2	0.08	27.14	24.64	67.65	4.68	26.72	7.78	32
2010/07/16	Mid-Flood	DS1	M	5	315.5	0.36	27.22	24.37	64.21	4.45	19.48	7.78	27
2010/07/16	Mid-Flood	DS1	M	5	330.1	0.19	27.25	24.31	65.43	4.53	22.24	7.78	33
2010/07/16	Mid-Flood	DS1	T	1	311.3	0.4	27.99	22.35	78.34	5.42	7.96	7.82	4
2010/07/16	Mid-Flood	DS1	T	0.9	301.5	0.42	28.35	21.54	84.42	5.83	3.67	7.83	6
2010/07/16	Mid-Flood	DS2	B	8	308.5	0.33	27.25	24.18	66.2	4.59	22.03	7.8	32
2010/07/16	Mid-Flood	DS2	B	8	309.1	0.23	27.28	24.08	66.86	4.63	20.2	7.81	30
2010/07/16	Mid-Flood	DS2	M	5	327.6	0.36	27.47	23.33	69.12	4.79	14.08	7.8	18
2010/07/16	Mid-Flood	DS2	M	5	318.9	0.29	27.43	23.57	70.19	4.86	14.18	7.81	21
2010/07/16	Mid-Flood	DS2	T	1	304.7	0.6	28.13	21.52	75.68	5.24	8	7.79	22
2010/07/16	Mid-Flood	DS2	T	1	295.3	0.52	27.91	22.68	79.22	5.47	6.83	7.82	26
2010/07/16	Mid-Flood	DS3	B	8	321.7	0.4	27.46	23.48	66.05	4.58	16.01	7.78	25
2010/07/16	Mid-Flood	DS3	B	8	331.8	0.32	27.44	23.56	67.17	4.66	16.52	7.78	26
2010/07/16	Mid-Flood	DS3	M	5	308.9	0.44	27.54	23.15	65.04	4.51	12.85	7.78	15
2010/07/16	Mid-Flood	DS3	M	5	324.1	0.47	27.64	22.79	70.5	4.89	9.08	7.8	13
2010/07/16	Mid-Flood	DS3	T	1	301.4	0.63	28.18	21.37	76.12	5.27	5.2	7.79	9
2010/07/16	Mid-Flood	DS3	T	1	319	0.45	28.02	21.91	76.35	5.29	6.73	7.81	10
2010/07/16	Mid-Flood	DS4	B	7.8	329.5	0.42	27.54	23.26	64.3	4.46	14.48	7.76	15
2010/07/16	Mid-Flood	DS4	B	8	321.7	0.4	27.58	23.17	64.1	4.44	13.06	7.75	17
2010/07/16	Mid-Flood	DS4	M	5	318.2	0.37	27.99	21.42	67.12	4.66	6.22	7.75	6
2010/07/16	Mid-Flood	DS4	M	5	318.4	0.45	28.16	20.85	69.84	4.85	5.92	7.75	7
2010/07/16	Mid-Flood	DS4	T	1.1	313.4	0.49	28.43	20.44	76.88	5.33	4.79	7.77	6
2010/07/16	Mid-Flood	DS4	T	1	313.4	0.49	28.45	20.51	77.7	5.38	4.59	7.77	6
2010/07/16	Mid-Flood	DS5	B	8.1	349.4	0.49	27.52	23.3	64.45	4.47	16.12	7.77	20
2010/07/16	Mid-Flood	DS5	B	7.9	329.2	0.33	27.53	23.27	63.06	4.37	20.09	7.76	18
2010/07/16	Mid-Flood	DS5	M	5	315.3	0.49	27.79	22.21	63.55	4.41	6.02	7.74	5
2010/07/16	Mid-Flood	DS5	M	5	328.5	0.44	27.78	22.19	63.16	4.39	5.51	7.74	6
2010/07/16	Mid-Flood	DS5	T	1	318.2	0.4	28.51	18.84	73.91	5.16	5.81	7.72	5

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)
2010/07/16	Mid-Flood	DS5	T	1	318.2	0.4	28.51	18.84	73.83	5.16	5.71	7.72	6
2010/07/16	Mid-Flood	MW1	B	18.7	136	0.32	25.88	28.64	56.53	3.91	7.45	7.75	10
2010/07/16	Mid-Flood	MW1	B	18.5	129.4	0.41	25.85	28.8	57.15	3.95	6.32	7.79	10
2010/07/16	Mid-Flood	MW1	M	10.6	242.1	0.08	26.53	26.63	60.43	4.18	5.1	7.78	6
2010/07/16	Mid-Flood	MW1	M	10.4	265.6	0.14	26.5	26.78	60.35	4.17	4.49	7.8	8
2010/07/16	Mid-Flood	MW1	T	1	191.7	0.25	27.55	23.27	74.05	5.13	3.67	7.82	6
2010/07/16	Mid-Flood	MW1	T	1	191.7	0.25	27.59	23.09	76.37	5.29	3.67	7.85	5
2010/07/16	Mid-Flood	US1	B	8	215.2	0.08	26.88	25.59	63.13	4.37	19.58	7.78	16
2010/07/16	Mid-Flood	US1	B	7.9	73.4	0.09	26.93	25.36	62.64	4.33	20.91	7.77	17
2010/07/16	Mid-Flood	US1	M	5	21.1	0.22	27.18	24.48	63.44	4.39	12.95	7.78	27
2010/07/16	Mid-Flood	US1	M	4.9	316.6	0.18	27.2	24.4	63.95	4.43	12.44	7.78	29
2010/07/16	Mid-Flood	US1	T	1	315	0.28	28.06	22.41	81.72	5.64	4.9	7.83	6
2010/07/16	Mid-Flood	US1	T	1.1	315	0.28	28.35	22.03	83.76	5.77	4.59	7.84	7
2010/07/16	Mid-Flood	US2	B	8	267.7	0.12	26.57	26.59	60.84	4.21	24.38	7.78	31
2010/07/16	Mid-Flood	US2	B	7.9	214.8	0.17	26.59	26.51	62.06	4.29	18.87	7.78	32
2010/07/16	Mid-Flood	US2	M	5	316.7	0.15	27.1	24.82	63.67	4.41	11.22	7.78	16
2010/07/16	Mid-Flood	US2	M	5	312.9	0.26	27.2	24.41	64.19	4.45	9.89	7.78	16
2010/07/16	Mid-Flood	US2	T	1	332.6	0.45	28.26	21.99	86.52	5.97	4.49	7.86	7
2010/07/16	Mid-Flood	US2	T	1	330.5	0.19	28.16	22.14	83.8	5.78	4.9	7.85	5
2010/07/19	Mid-Ebb	DS1	B	6	196	0.21	28.01	23.17	85.04	5.85	5.42	7.88	7
2010/07/19	Mid-Ebb	DS1	B	6.1	103.7	0.09	28.01	23.24	90.61	6.23	5.42	7.89	6
2010/07/19	Mid-Ebb	DS1	M	4.1	133.1	0.28	28.96	20.64	117.02	8.03	5.72	8.05	8
2010/07/19	Mid-Ebb	DS1	M	4	113.4	0.32	28.63	21.56	110.63	7.6	5.01	8.04	8
2010/07/19	Mid-Ebb	DS1	T	1	119.6	0.39	29.68	17.43	132.51	9.15	4.09	8.14	8
2010/07/19	Mid-Ebb	DS1	T	0.9	119.6	0.39	31.07	14.68	151.57	10.38	3.99	8.36	6
2010/07/19	Mid-Ebb	DS2	B	6	137.7	0.06	28.07	23.13	90.36	6.21	3.88	7.91	7
2010/07/19	Mid-Ebb	DS2	B	6.1	99.1	0.09	28.11	22.98	95.04	6.53	3.99	7.91	6
2010/07/19	Mid-Ebb	DS2	M	4.1	146.7	0.16	29.19	18.78	113.12	7.82	3.78	8.03	7
2010/07/19	Mid-Ebb	DS2	M	4	131.8	0.31	29.17	19.68	117.3	8.07	4.6	8.1	8
2010/07/19	Mid-Ebb	DS2	T	1.1	100.1	0.18	30.24	16.62	140.51	9.66	3.68	8.25	6
2010/07/19	Mid-Ebb	DS2	T	0.9	100.1	0.18	30.23	16.6	141.78	9.75	3.68	8.25	7
2010/07/19	Mid-Ebb	DS3	B	10	0.4	0.15	27.21	25.74	71.63	4.92	7.05	7.81	10
2010/07/19	Mid-Ebb	DS3	B	9.9	57.4	0.06	27.13	26.01	73.57	5.06	8.58	7.81	12
2010/07/19	Mid-Ebb	DS3	M	6.1	120.1	0.08	27.46	24.9	73.25	5.04	5.62	7.84	7
2010/07/19	Mid-Ebb	DS3	M	5.9	36.8	0.31	28.19	22.8	90	6.19	4.7	7.95	7
2010/07/19	Mid-Ebb	DS3	T	0.9	97.1	0.44	30.14	16.68	141.57	9.74	3.88	8.27	7
2010/07/19	Mid-Ebb	DS3	T	0.9	97.1	0.44	30.15	16.65	145.05	9.98	3.78	8.28	6
2010/07/19	Mid-Ebb	DS4	B	7.1	36.9	0.14	27.51	24.84	77.35	5.32	7.67	7.84	12
2010/07/19	Mid-Ebb	DS4	B	7	26.1	0.11	27.45	25.02	80.3	5.52	7.05	7.84	10
2010/07/19	Mid-Ebb	DS4	M	4.5	77.3	0.16	28.66	21.85	122.64	8.41	5.52	8.06	12
2010/07/19	Mid-Ebb	DS4	M	4.5	77.3	0.16	28.25	22.81	103.21	7.09	8.48	7.98	12
2010/07/19	Mid-Ebb	DS4	T	1.1	110.1	0.34	30.51	15.84	145.25	9.98	3.99	8.3	6
2010/07/19	Mid-Ebb	DS4	T	1.1	110.1	0.34	30.21	16.77	143.68	9.87	4.09	8.27	6
2010/07/19	Mid-Ebb	DS5	B	6.1	38.9	0.21	27.71	24.27	87.97	6.05	4.7	7.88	6
2010/07/19	Mid-Ebb	DS5	B	6	38.9	0.21	27.94	23.7	91.34	6.27	5.93	7.79	8
2010/07/19	Mid-Ebb	DS5	M	4.1	151.3	0.16	28.27	22.75	99	6.8	5.72	7.97	9
2010/07/19	Mid-Ebb	DS5	M	4.1	151.3	0.16	28.68	21.38	114.79	7.89	4.8	7.94	9
2010/07/19	Mid-Ebb	DS5	T	1.1	112.1	0.45	29.99	16.75	131.03	9.04	4.19	8.13	6
2010/07/19	Mid-Ebb	DS5	T	1.1	112.1	0.45	30.12	16.55	139.55	9.61	4.29	8.14	5
2010/07/19	Mid-Ebb	MW1	B	18.9	20.1	0.23	25.45	30.71	61.76	4.25	4.5	7.58	6
2010/07/19	Mid-Ebb	MW1	B	18.7	358.2	0.13	25.46	30.74	61.88	4.26	4.6	7.65	7
2010/07/19	Mid-Ebb	MW1	M	10.5	80.3	0.11	27.23	26.71	85.84	5.87	3.07	7.79	6
2010/07/19	Mid-Ebb	MW1	M	10.5	60.9	0.19	27.23	26.26	87.3	5.98	2.96	7.84	5
2010/07/19	Mid-Ebb	MW1	T	1.3	30.9	0.22	29.81	21.11	179.11	12.09	3.17	8.31	7
2010/07/19	Mid-Ebb	MW1	T	1.4	87.7	0.35	29.67	21.62	170.04	11.48	3.37	8.26	8

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)
2010/07/19	Mid-Ebb	US1	B	7	115.7	0.17	27.8	23.8	79.93	5.5	6.23	7.83	9
2010/07/19	Mid-Ebb	US1	B	7	12.5	0.02	27.78	23.86	79.56	5.47	6.34	7.82	8
2010/07/19	Mid-Ebb	US1	M	4.5	141.1	0.13	28.63	21.61	114.09	7.83	6.54	8.02	9
2010/07/19	Mid-Ebb	US1	M	4.5	141.1	0.13	28.45	22	99.16	6.82	4.91	7.95	7
2010/07/19	Mid-Ebb	US1	T	0.9	126.1	0.38	30.02	16.71	130.27	8.98	3.88	8.15	6
2010/07/19	Mid-Ebb	US1	T	1	126.1	0.38	29.83	17.19	129.92	8.96	3.88	8.14	6
2010/07/19	Mid-Ebb	US2	B	7	277.4	0.11	27.97	23.26	82.25	5.66	6.23	7.82	7
2010/07/19	Mid-Ebb	US2	B	7.1	121.7	0.09	27.87	23.5	72.75	5.01	6.44	7.8	8
2010/07/19	Mid-Ebb	US2	M	4.5	192.7	0.16	28.67	20.6	93.49	6.45	3.99	7.88	8
2010/07/19	Mid-Ebb	US2	M	4.6	135.7	0.37	28.58	21.69	107.79	7.4	5.01	7.99	8
2010/07/19	Mid-Ebb	US2	T	1	103.3	0.46	31.13	13.5	137.94	9.5	3.88	8.22	5
2010/07/19	Mid-Ebb	US2	T	1.1	103.3	0.46	31.08	13.72	133.19	9.17	3.68	8.21	5
2010/07/19	Mid-Flood	DS1	B	7.1	336.6	0.09	27.63	24.22	76.39	5.26	14	7.84	21
2010/07/19	Mid-Flood	DS1	B	7	293.1	0.16	27.8	23.68	80.35	5.53	12.37	7.89	22
2010/07/19	Mid-Flood	DS1	M	4.5	279.3	0.3	28.13	22.71	86.51	5.95	15.02	7.92	16
2010/07/19	Mid-Flood	DS1	M	4.6	292.5	0.13	28.15	22.64	86.94	5.98	17.99	7.95	20
2010/07/19	Mid-Flood	DS1	T	0.9	328	0.08	30.79	15.15	122.04	8.38	3.99	8.09	6
2010/07/19	Mid-Flood	DS1	T	1.1	328	0.08	30.85	15.18	120.75	8.28	3.78	8.11	5
2010/07/19	Mid-Flood	DS2	B	7.1	313.6	0.23	27.84	23.47	73.52	5.06	8.69	7.83	12
2010/07/19	Mid-Flood	DS2	B	7.1	331.8	0.16	27.86	23.42	75.76	5.22	7.87	7.85	11
2010/07/19	Mid-Flood	DS2	M	4.6	316.1	0.34	28.03	23.16	82	5.64	10.32	7.93	14
2010/07/19	Mid-Flood	DS2	T	1	329.5	0.3	30.56	16.11	110.75	7.59	3.88	8.04	13
2010/07/19	Mid-Flood	DS2	T	4.5	309.6	0.38	28.22	22.65	92.01	6.33	10.02	7.98	4
2010/07/19	Mid-Flood	DS2	T	1	329.5	0.3	30.4	15.91	112.09	7.71	3.99	8.05	4
2010/07/19	Mid-Flood	DS3	B	7.1	49.9	0.19	27.84	23.68	73.18	5.03	8.48	7.81	12
2010/07/19	Mid-Flood	DS3	B	7.1	49.9	0.19	27.81	23.79	73.6	5.06	9.1	7.82	12
2010/07/19	Mid-Flood	DS3	M	4.5	318.7	0.23	27.95	23.22	71.87	4.95	6.75	7.85	9
2010/07/19	Mid-Flood	DS3	M	4.4	318.7	0.23	27.97	23.04	72.8	5.01	7.77	7.86	8
2010/07/19	Mid-Flood	DS3	T	1	327.4	0.24	29.75	16.96	107.67	7.44	4.19	8.02	4
2010/07/19	Mid-Flood	DS3	T	1	327.4	0.24	29.88	16.72	106.38	7.35	3.99	8.01	4
2010/07/19	Mid-Flood	DS4	B	7	344.7	0.45	27.8	23.86	70.82	4.87	7.67	7.78	9
2010/07/19	Mid-Flood	DS4	B	7	177.3	0.23	27.99	23.22	76.88	5.29	5.62	7.8	10
2010/07/19	Mid-Flood	DS4	M	4.5	303	0.19	28.62	21.09	87.24	6.01	4.29	7.88	7
2010/07/19	Mid-Flood	DS4	M	4.5	303	0.19	28.75	20.01	86.25	5.96	4.19	7.88	8
2010/07/19	Mid-Flood	DS4	T	1	353.6	0.16	30	16.44	106.49	7.35	3.37	7.98	4
2010/07/19	Mid-Flood	DS4	T	1	353.6	0.16	30.2	15.77	106.52	7.36	4.09	7.99	4
2010/07/19	Mid-Flood	DS5	B	7	284.8	0.21	27.97	23.33	75.6	5.2	4.39	7.8	8
2010/07/19	Mid-Flood	DS5	B	7	290.7	0.17	27.92	23.37	72.81	5.01	5.11	7.79	6
2010/07/19	Mid-Flood	DS5	M	4.5	324.4	0.21	28.6	21.11	87.49	6.03	4.8	7.87	7
2010/07/19	Mid-Flood	DS5	M	4.5	289.2	0.29	28.33	22.14	82.88	5.7	4.8	7.85	6
2010/07/19	Mid-Flood	DS5	T	0.9	338.6	0.37	29.8	16.54	103.1	7.14	3.47	7.94	4
2010/07/19	Mid-Flood	DS5	T	1.1	338.6	0.37	30.61	17.19	96.28	6.56	3.99	7.88	4
2010/07/19	Mid-Flood	MW1	B	19	239.6	0.09	25.77	30	60.59	4.17	11.75	7.75	19
2010/07/19	Mid-Flood	MW1	B	18.9	239.6	0.09	25.74	30.05	61.91	4.26	12.26	7.8	19
2010/07/19	Mid-Flood	MW1	M	10.4	112.5	0.3	26.95	26.61	70.11	4.82	4.09	7.83	7
2010/07/19	Mid-Flood	MW1	M	10.4	112.5	0.3	26.97	26.55	71.02	4.88	4.09	7.85	6
2010/07/19	Mid-Flood	MW1	T	0.9	198.3	0.16	28.68	21.88	119.69	8.2	3.47	8.08	6
2010/07/19	Mid-Flood	MW1	T	1.2	198.3	0.16	28.67	21.88	119.92	8.22	3.47	8.1	7
2010/07/19	Mid-Flood	US1	B	6	305	0.2	27.77	23.73	73.82	5.08	10.73	7.86	14
2010/07/19	Mid-Flood	US1	B	5.9	290.7	0.13	27.75	23.81	78.39	5.4	9.61	7.84	12
2010/07/19	Mid-Flood	US1	M	4	282	0.15	28.09	22.76	84.34	5.81	5.62	7.91	11
2010/07/19	Mid-Flood	US1	M	3.9	339.8	0.14	28.34	22.29	99.53	6.84	5.93	7.99	12
2010/07/19	Mid-Flood	US1	T	1	26.9	0.08	30.35	16.78	127.12	8.71	4.29	8.15	8
2010/07/19	Mid-Flood	US1	T	1	26.9	0.08	30.27	17.21	140.3	9.61	4.29	8.21	6
2010/07/19	Mid-Flood	US2	B	5.8	88.9	0.26	27.54	24.56	72.7	5	12.37	7.85	17

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)
2010/07/19	Mid-Flood	US2	B	6	274	0.09	27.54	24.59	78.39	5.39	11.55	7.84	19
2010/07/19	Mid-Flood	US2	M	4.1	328	0.13	27.66	24.23	74.93	5.15	8.28	7.87	10
2010/07/19	Mid-Flood	US2	M	3.9	292.1	0.13	27.97	23.25	84.67	5.83	7.26	7.91	11
2010/07/19	Mid-Flood	US2	T	1.1	358.5	0.08	30.83	15.6	125.77	8.61	3.47	8.14	7
2010/07/19	Mid-Flood	US2	T	1	278.5	0.18	30.71	15.54	130.56	8.96	4.09	8.14	6
2010/07/23	Mid-Ebb	DS1	B	5.1	115.1	0.53	27.23	24.68	74.19	5.13	8.84	7.83	12
2010/07/23	Mid-Ebb	DS1	B	5	115.1	0.53	27.3	24.19	72.89	5.05	10.04	7.82	14
2010/07/23	Mid-Ebb	DS1	M	3.5	123.9	0.61	27.42	23.43	76.59	5.31	8.84	7.84	10
2010/07/23	Mid-Ebb	DS1	M	3.5	115.3	0.74	27.47	23.13	77.88	5.41	7.13	7.85	9
2010/07/23	Mid-Ebb	DS1	T	1.1	120.6	0.86	28.08	20	92.26	6.45	4.82	7.92	5
2010/07/23	Mid-Ebb	DS1	T	1	120.6	0.86	28.07	20.14	93.16	6.51	4.32	7.92	6
2010/07/23	Mid-Ebb	DS2	B	6.2	77.8	0.13	27.22	24.8	73.08	5.05	11.55	7.84	14
2010/07/23	Mid-Ebb	DS2	B	6.1	106.8	0.41	27.2	24.92	69.69	4.81	12.75	7.83	14
2010/07/23	Mid-Ebb	DS2	M	3.9	117.1	0.77	27.41	23.63	75.78	5.25	7.73	7.86	10
2010/07/23	Mid-Ebb	DS2	M	4.1	115.1	0.57	27.36	23.9	73.38	5.08	8.73	7.85	10
2010/07/23	Mid-Ebb	DS2	T	1	127.2	0.87	28.12	19.73	94.95	6.65	4.92	7.95	7
2010/07/23	Mid-Ebb	DS2	T	1	127.2	0.87	28.22	19.59	95.04	6.65	9.44	7.96	6
2010/07/23	Mid-Ebb	DS3	B	10.2	64.9	0.23	27.15	25.39	69.88	4.82	12.65	7.84	16
2010/07/23	Mid-Ebb	DS3	B	9.9	30.5	0.21	27.12	25.54	69.88	4.82	13.75	7.82	18
2010/07/23	Mid-Ebb	DS3	M	6.1	123.7	0.32	27.27	24.48	70.68	4.89	10.84	7.85	16
2010/07/23	Mid-Ebb	DS3	M	5.8	124.7	0.38	27.28	24.41	70.78	4.9	10.74	7.85	14
2010/07/23	Mid-Ebb	DS3	T	1.1	121.7	0.75	28.26	19.61	95.44	6.67	5.62	7.97	6
2010/07/23	Mid-Ebb	DS3	T	1.1	121.7	0.75	28.32	19.52	96.73	6.76	5.72	7.97	5
2010/07/23	Mid-Ebb	DS4	B	14.9	64.7	0.08	26.78	27.01	64.78	4.45	9.94	7.81	13
2010/07/23	Mid-Ebb	DS4	B	14.8	115.4	0.06	26.87	26.7	65.78	4.52	10.94	7.81	14
2010/07/23	Mid-Ebb	DS4	M	8.3	59	0.2	27.17	25.43	65.18	4.49	10.44	7.82	14
2010/07/23	Mid-Ebb	DS4	M	8.5	164.7	0.06	27.16	25.49	64.28	4.43	10.54	7.82	13
2010/07/23	Mid-Ebb	DS4	T	1.2	116	0.56	28.1	20.15	94.33	6.59	4.32	7.96	5
2010/07/23	Mid-Ebb	DS4	T	1.2	116	0.56	28.26	19.71	93.83	6.55	6.43	7.97	4
2010/07/23	Mid-Ebb	DS5	B	6	96.5	0.44	27.22	25.35	73.96	5.09	8.13	7.85	11
2010/07/23	Mid-Ebb	DS5	B	6.1	95	0.41	27.2	25.36	70.66	4.87	9.04	7.83	11
2010/07/23	Mid-Ebb	DS5	M	4	111.1	0.53	27.35	24.28	72.26	5	9.34	7.86	11
2010/07/23	Mid-Ebb	DS5	M	4.1	111.1	0.53	27.34	24.35	72.66	5.02	8.84	7.85	11
2010/07/23	Mid-Ebb	DS5	T	1.1	134.3	0.62	28.25	19.89	97.91	6.83	4.52	7.98	4
2010/07/23	Mid-Ebb	DS5	T	1.1	134.3	0.62	28.38	19.76	98.61	6.87	4.92	7.98	5
2010/07/23	Mid-Ebb	MW1	B	18.8	286.7	0.31	26.24	28.16	70.69	4.87	4.62	7.87	8
2010/07/23	Mid-Ebb	MW1	B	18.6	302.6	0.62	26.17	28.41	69.58	4.8	4.52	7.89	6
2010/07/23	Mid-Ebb	MW1	M	10.6	342.4	0.35	26.28	27.98	71.29	4.92	3.31	7.96	4
2010/07/23	Mid-Ebb	MW1	M	10.6	306.1	0.65	26.27	28.1	71.98	4.96	3.71	7.9	6
2010/07/23	Mid-Ebb	MW1	T	1.2	353.9	0.78	26.46	27.39	76.29	5.26	2.11	7.94	4
2010/07/23	Mid-Ebb	MW1	T	1	321	0.69	26.44	27.51	76.18	5.25	2.21	7.92	4
2010/07/23	Mid-Ebb	US1	B	5.9	107.5	0.53	27.12	25.39	68.01	4.69	10.04	7.73	11
2010/07/23	Mid-Ebb	US1	B	6	107.5	0.53	27.12	25.36	66.91	4.62	10.44	7.76	11
2010/07/23	Mid-Ebb	US1	M	3.8	117.9	0.72	27.28	24.66	72.8	5.03	8.23	7.75	7
2010/07/23	Mid-Ebb	US1	M	4	115.6	0.76	27.56	22.57	81.29	5.65	5.12	7.81	6
2010/07/23	Mid-Ebb	US1	T	1	125.3	0.71	28.04	21.42	90.78	6.3	3.41	7.85	4
2010/07/23	Mid-Ebb	US1	T	0.9	125.3	0.71	28.07	21.02	91.78	6.38	4.02	7.87	5
2010/07/23	Mid-Ebb	US2	B	6.9	148.9	0.54	26.87	26.4	68.62	4.73	10.04	7.61	14
2010/07/23	Mid-Ebb	US2	B	7	123.3	0.62	26.92	26.19	64.42	4.44	10.54	7.62	15
2010/07/23	Mid-Ebb	US2	M	4.4	134.8	0.76	27.42	24.54	76.31	5.26	5.02	7.68	13
2010/07/23	Mid-Ebb	US2	M	4.6	132.8	0.79	27.38	24.5	74.41	5.14	5.32	7.69	14
2010/07/23	Mid-Ebb	US2	T	1.3	148.6	0.88	27.96	21.6	91.89	6.38	3.92	7.77	5
2010/07/23	Mid-Ebb	US2	T	1.1	140.5	0.92	27.99	21.43	89.79	6.24	4.72	7.77	4
2010/07/23	Mid-Flood	DS1	B	9.9	128.8	0.07	26.68	26.94	62.75	4.32	27.21	7.85	42
2010/07/23	Mid-Flood	DS1	B	10	98.2	0.15	26.8	26.6	67.4	4.64	23.19	7.86	43

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)
2010/07/23	Mid-Flood	DS1	M	6	287.2	0.3	27.36	25.08	77.04	5.3	13.45	7.94	24
2010/07/23	Mid-Flood	DS1	M	6	241.1	0.17	27.15	25.73	70.01	4.82	19.18	7.91	24
2010/07/23	Mid-Flood	DS1	T	1	320.9	0.51	28.24	18.61	92.53	6.5	5.52	8.01	6
2010/07/23	Mid-Flood	DS1	T	0.9	320.9	0.51	28.2	20.65	92.35	6.42	5.52	8.02	5
2010/07/23	Mid-Flood	DS2	B	7	291.5	0.1	27.36	24.12	72.87	5.04	12.85	7.91	18
2010/07/23	Mid-Flood	DS2	B	7.1	291.5	0.1	27.44	24.29	77.41	5.34	11.14	7.94	16
2010/07/23	Mid-Flood	DS2	M	4.5	327.3	0.44	27.89	21.51	83.22	5.79	6.73	7.95	8
2010/07/23	Mid-Flood	DS2	M	4.5	295.4	0.55	27.84	21.8	82.94	5.77	6.93	7.96	9
2010/07/23	Mid-Flood	DS2	T	1	345	0.35	28.59	16.79	95.79	6.76	4.32	7.99	5
2010/07/23	Mid-Flood	DS2	T	1	349.2	0.27	28.54	16.79	94	6.64	4.52	7.98	7
2010/07/23	Mid-Flood	DS3	B	7	301.4	0.38	26.44	27.67	52.43	3.61	35.54	7.8	46
2010/07/23	Mid-Flood	DS3	B	7.1	294.1	0.29	26.46	27.61	54.56	3.76	28.71	7.81	46
2010/07/23	Mid-Flood	DS3	M	4.5	332.5	0.27	27.97	20.04	79.06	5.54	5.72	7.91	8
2010/07/23	Mid-Flood	DS3	M	4.5	327.3	0.44	27.89	20.41	79.28	5.55	5.92	7.92	9
2010/07/23	Mid-Flood	DS3	T	1.1	357.1	0.34	28.57	17.04	90.91	6.41	6.43	7.97	7
2010/07/23	Mid-Flood	DS3	T	1	345	0.35	28.58	17.01	94.05	6.63	5.82	7.98	7
2010/07/23	Mid-Flood	DS4	B	7.1	334.9	0.09	26.67	26.85	59.03	4.07	19.08	7.77	30
2010/07/23	Mid-Flood	DS4	B	7	301.4	0.38	26.82	26.27	59.74	4.12	13.15	7.81	26
2010/07/23	Mid-Flood	DS4	M	4.5	337.8	0.19	27.74	21.44	74.99	5.23	6.83	7.86	8
2010/07/23	Mid-Flood	DS4	M	4.5	337.8	0.19	27.78	21.19	74.1	5.17	7.03	7.86	9
2010/07/23	Mid-Flood	DS4	T	1	324.5	0.28	28.49	16.72	87.64	6.2	6.12	7.91	6
2010/07/23	Mid-Flood	DS4	T	1.1	324.5	0.28	28.76	15.52	91.58	6.49	5.92	7.94	7
2010/07/23	Mid-Flood	DS5	B	7	357.3	0.06	27.3	23.88	65.21	4.52	7.93	7.77	12
2010/07/23	Mid-Flood	DS5	B	7	357.3	0.06	27.27	24.09	66.63	4.62	8.13	7.78	11
2010/07/23	Mid-Flood	DS5	M	4.4	343.7	0.2	27.73	22.1	72.94	5.07	6.22	7.82	7
2010/07/23	Mid-Flood	DS5	M	4.5	5.4	0.21	27.54	22.87	69.14	4.8	6.43	7.81	8
2010/07/23	Mid-Flood	DS5	T	1.1	260.3	0.18	28.82	14.56	86.29	6.14	6.22	7.85	7
2010/07/23	Mid-Flood	DS5	T	1	318.8	0.31	28.45	17.49	84.1	5.93	5.92	7.87	7
2010/07/23	Mid-Flood	MW1	B	18.8	98.2	0.15	26.03	29.07	60.71	4.18	3.11	7.84	8
2010/07/23	Mid-Flood	MW1	B	19	98.2	0.15	25.97	29.18	57.09	3.93	5.32	7.82	7
2010/07/23	Mid-Flood	MW1	M	10.5	346.2	0.13	26.2	28.69	60.81	4.18	3.41	7.84	5
2010/07/23	Mid-Flood	MW1	M	10.5	281.3	0.14	26.15	28.8	59.72	4.11	2.91	7.84	5
2010/07/23	Mid-Flood	MW1	T	1	339.6	0.1	26.73	27.22	68.6	4.71	2.11	7.88	4
2010/07/23	Mid-Flood	MW1	T	1	339.8	0.21	26.73	27.21	68.41	4.7	2.31	7.88	6
2010/07/23	Mid-Flood	US1	B	6.1	323.2	0.42	27.11	25.75	72.05	4.96	11.14	7.9	17
2010/07/23	Mid-Flood	US1	B	6	330.5	0.28	27.18	25.49	75.18	5.18	9.84	7.91	18
2010/07/23	Mid-Flood	US1	M	4	327.1	0.47	27.56	24.06	81.01	5.59	7.13	7.97	9
2010/07/23	Mid-Flood	US1	M	4.1	323	0.47	27.61	23.98	83.33	5.75	6.83	7.98	9
2010/07/23	Mid-Flood	US1	T	0.9	311.5	0.58	28.36	18.51	100.53	7.06	3.92	8.06	5
2010/07/23	Mid-Flood	US1	T	1.1	311.5	0.58	28.37	18.64	100.25	7.03	4.02	8.05	5
2010/07/23	Mid-Flood	US2	B	6	310.8	0.3	27	25.94	72.39	4.99	9.54	7.88	14
2010/07/23	Mid-Flood	US2	B	6	310.8	0.3	27.15	25.56	71.19	4.9	9.34	7.9	14
2010/07/23	Mid-Flood	US2	M	3.9	316	0.45	27.48	24.66	78.63	5.41	7.03	7.95	9
2010/07/23	Mid-Flood	US2	M	4	303.1	0.38	27.44	24.86	79.46	5.47	6.53	7.95	9
2010/07/23	Mid-Flood	US2	T	1.1	307.7	0.49	28.25	20.57	100.08	6.96	3.31	8.06	7
2010/07/23	Mid-Flood	US2	T	1	307.7	0.49	28.28	20.19	101.82	7.09	3.01	8.08	7
2010/07/26	Mid-Ebb	DS1	B	6	97.4	0.61	28.01	26.36	63.77	4.31	15.56	7.79	22
2010/07/26	Mid-Ebb	DS1	B	6	92.4	0.39	28.09	25.59	64.28	4.36	12.35	7.78	22
2010/07/26	Mid-Ebb	DS1	M	3.9	123.9	0.73	28.45	23.19	67.3	4.59	10.34	7.77	15
2010/07/26	Mid-Ebb	DS1	M	3.9	123.2	0.71	28.37	23.7	65.49	4.47	13.65	7.77	16
2010/07/26	Mid-Ebb	DS1	T	0.8	131	0.96	29.52	18.66	82.41	5.67	3.51	7.82	4
2010/07/26	Mid-Ebb	DS1	T	1.2	131	0.96	29.12	19.42	78.6	5.42	3.92	7.8	3
2010/07/26	Mid-Ebb	DS2	B	5.9	92.4	0.39	28.21	26.01	66.63	4.5	18.98	7.82	26
2010/07/26	Mid-Ebb	DS2	B	6.2	108.1	0.36	28.21	26.1	67.54	4.56	19.28	7.81	24
2010/07/26	Mid-Ebb	DS2	M	3.8	112.6	0.73	28.39	23.72	65.32	4.45	10.94	7.78	12

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)
2010/07/26	Mid-Ebb	DS2	M	4.1	114.1	0.71	28.28	24.45	63.31	4.31	12.35	7.77	12
2010/07/26	Mid-Ebb	DS2	T	1	124.6	0.79	29.29	19.17	81.75	5.63	3.21	7.82	3
2010/07/26	Mid-Ebb	DS2	T	1.2	124.6	0.79	28.8	20.84	73.7	5.07	4.72	7.79	3
2010/07/26	Mid-Ebb	DS3	B	9.9	70.5	0.18	28.22	27.06	65.85	4.42	29.22	7.85	35
2010/07/26	Mid-Ebb	DS3	B	9.9	38.8	0.09	28.22	26.9	66.27	4.45	25.3	7.84	36
2010/07/26	Mid-Ebb	DS3	M	6.1	109.2	0.5	28.26	25.53	64.35	4.35	16.37	7.82	18
2010/07/26	Mid-Ebb	DS3	M	6	117.5	0.51	28.27	25.15	63.95	4.33	15.56	7.8	19
2010/07/26	Mid-Ebb	DS3	T	1.1	132.1	0.85	29.17	19.6	79.48	5.47	3.41	7.82	4
2010/07/26	Mid-Ebb	DS3	T	1.2	125.3	0.74	28.85	20.51	75.76	5.22	3.41	7.8	4
2010/07/26	Mid-Ebb	DS4	B	15	56.1	0.15	28.25	27.09	66.29	4.44	20.08	7.85	24
2010/07/26	Mid-Ebb	DS4	B	15	46.8	0.25	28.24	26.96	67.32	4.52	18.37	7.85	25
2010/07/26	Mid-Ebb	DS4	M	8.4	140	0.13	28.24	26.4	64.78	4.36	17.27	7.84	21
2010/07/26	Mid-Ebb	DS4	M	8.6	173.3	0.08	28.21	26.21	63.99	4.31	16.47	7.84	18
2010/07/26	Mid-Ebb	DS4	T	1.1	125.6	0.75	29.11	20.44	78.61	5.39	3.51	7.82	4
2010/07/26	Mid-Ebb	DS4	T	1	137.4	0.61	29.3	19.43	80.65	5.54	3.21	7.83	3
2010/07/26	Mid-Ebb	DS5	B	6	88.2	0.58	28.25	25.4	66.13	4.48	11.75	7.83	14
2010/07/26	Mid-Ebb	DS5	B	5.9	81.2	0.58	28.31	25.3	66.44	4.49	11.55	7.83	12
2010/07/26	Mid-Ebb	DS5	M	4	98.8	0.65	28.48	23.45	68.05	4.64	8.23	7.81	9
2010/07/26	Mid-Ebb	DS5	M	4	98.8	0.65	28.47	23.45	67.45	4.6	8.63	7.8	9
2010/07/26	Mid-Ebb	DS5	T	1.1	110.5	0.83	29.29	19.87	80.77	5.54	3.61	7.84	4
2010/07/26	Mid-Ebb	DS5	T	1	97.1	0.83	28.98	21.17	78.16	5.35	3.71	7.81	3
2010/07/26	Mid-Ebb	MW1	B	18.9	77.6	0.08	26.98	29.51	59.65	4.03	6.43	7.59	10
2010/07/26	Mid-Ebb	MW1	B	19.1	25.9	0.2	27.15	28.67	60.56	4.1	5.12	7.68	9
2010/07/26	Mid-Ebb	MW1	M	10.4	340.2	0.56	27.24	28.21	58.15	3.94	5.12	7.66	5
2010/07/26	Mid-Ebb	MW1	M	10.7	70.9	0.39	27.34	27.89	59.57	4.04	4.42	7.69	6
2010/07/26	Mid-Ebb	MW1	T	1	85.6	0.98	28.17	25.21	71.07	4.82	2.41	7.73	3
2010/07/26	Mid-Ebb	MW1	T	1.1	85.6	0.98	27.82	26.36	67.08	4.55	2.91	7.73	4
2010/07/26	Mid-Ebb	US1	B	9.9	88.3	0.33	28.06	27.13	62.53	4.2	26.61	7.81	31
2010/07/26	Mid-Ebb	US1	B	10	104.6	0.36	28.04	27.11	63.55	4.27	24.5	7.79	34
2010/07/26	Mid-Ebb	US1	M	6	137.3	0.75	28.18	23.74	62.13	4.25	8.33	7.75	11
2010/07/26	Mid-Ebb	US1	M	6.1	97.9	0.48	28.52	22.24	66.67	4.57	8.03	7.74	11
2010/07/26	Mid-Ebb	US1	T	1	126.6	0.84	29.4	18.97	82.37	5.67	3.31	7.81	3
2010/07/26	Mid-Ebb	US1	T	1	126.6	0.84	29.27	19.09	81.18	5.59	3.41	7.8	4
2010/07/26	Mid-Ebb	US2	B	6.9	121	0.59	27.96	26.78	57.85	3.9	26.1	7.72	28
2010/07/26	Mid-Ebb	US2	B	6.9	112.1	0.54	27.94	26.63	59.17	4	23.79	7.73	27
2010/07/26	Mid-Ebb	US2	M	4.4	129.3	0.63	28.34	22.26	62.89	4.32	4.42	7.69	5
2010/07/26	Mid-Ebb	US2	M	4.3	126.2	0.66	28.68	21.06	72.05	4.96	3.82	7.73	4
2010/07/26	Mid-Ebb	US2	T	1	138.6	0.84	29.13	19.69	77.48	5.33	4.22	7.75	4
2010/07/26	Mid-Ebb	US2	T	1.1	139.4	0.95	29.06	19.93	76.89	5.29	4.52	7.75	3
2010/07/26	Mid-Flood	DS1	B	10	289.5	0.35	27.78	25.81	61	4.15	32.63	7.74	42
2010/07/26	Mid-Flood	DS1	B	9.9	289.5	0.35	27.72	25.97	58.3	3.97	29.72	7.75	44
2010/07/26	Mid-Flood	DS1	M	6	303.4	0.35	28.44	23.56	69.75	4.75	21.99	7.8	26
2010/07/26	Mid-Flood	DS1	M	5.9	332.3	0.43	28.39	23.7	68.96	4.7	22.79	7.8	25
2010/07/26	Mid-Flood	DS1	T	0.9	304.9	0.49	29.25	19.43	88.55	6.09	6.33	7.87	5
2010/07/26	Mid-Flood	DS1	T	1.1	304.9	0.49	29.3	18.44	88.27	6.1	5.82	7.87	6
2010/07/26	Mid-Flood	DS2	B	7	325.5	0.17	28.22	23.67	63.88	4.37	19.28	7.76	23
2010/07/26	Mid-Flood	DS2	B	7.1	325.5	0.17	28.19	23.85	66	4.51	19.78	7.77	23
2010/07/26	Mid-Flood	DS2	M	4.3	309	0.4	28.54	22.43	68.91	4.72	9.24	7.79	13
2010/07/26	Mid-Flood	DS2	M	4.6	313.3	0.45	28.44	23.08	67.41	4.61	11.35	7.79	11
2010/07/26	Mid-Flood	DS2	T	1.2	323.4	0.55	29.37	17.78	88.9	6.16	5.12	7.86	5
2010/07/26	Mid-Flood	DS2	T	1	326.3	0.61	29.36	17.85	88.11	6.1	5.12	7.85	5
2010/07/26	Mid-Flood	DS3	B	6.8	291.5	0.4	28.11	23.89	62.13	4.25	13.55	7.74	14
2010/07/26	Mid-Flood	DS3	B	6.8	317.4	0.38	28.11	23.98	63.15	4.32	10.34	7.76	14
2010/07/26	Mid-Flood	DS3	M	4.4	313.7	0.53	29.15	18.88	82.72	5.72	5.52	7.83	5
2010/07/26	Mid-Flood	DS3	M	4.4	313.7	0.53	29.05	19.45	79.32	5.47	5.42	7.81	6

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)
2010/07/26	Mid-Flood	DS3	T	0.9	317.6	0.6	29.31	16.97	93.36	6.5	4.62	7.88	4
2010/07/26	Mid-Flood	DS3	T	1.2	317.6	0.6	29.28	17.14	91.98	6.4	4.72	7.87	5
2010/07/26	Mid-Flood	DS4	B	7.1	7.8	0.69	28.11	24.09	62.7	4.28	9.14	7.73	15
2010/07/26	Mid-Flood	DS4	B	7	7.8	0.69	28.09	24.08	65.52	4.48	9.24	7.75	14
2010/07/26	Mid-Flood	DS4	M	4.5	284.1	0.45	28.96	20.03	74.74	5.15	6.73	7.77	7
2010/07/26	Mid-Flood	DS4	M	4.6	284.1	0.45	28.94	20.19	75.86	5.22	6.63	7.79	7
2010/07/26	Mid-Flood	DS4	T	1.2	280.4	0.52	29.57	15.57	89.09	6.23	6.33	7.83	7
2010/07/26	Mid-Flood	DS4	T	1.2	280.4	0.52	29.57	16.46	88.51	6.16	6.12	7.85	7
2010/07/26	Mid-Flood	DS5	B	6.9	328.3	0.41	27.99	24.05	59.85	4.1	15.16	7.67	17
2010/07/26	Mid-Flood	DS5	B	6.9	328.3	0.41	28.01	24.03	61.17	4.19	15.66	7.71	18
2010/07/26	Mid-Flood	DS5	M	4.6	307.8	0.31	28.54	21.74	66.47	4.57	8.73	7.71	12
2010/07/26	Mid-Flood	DS5	M	4.3	286.8	0.3	28.58	21.4	67.19	4.62	9.14	7.74	12
2010/07/26	Mid-Flood	DS5	T	1	237.8	0.4	29.44	13.84	84.32	5.96	6.43	7.77	7
2010/07/26	Mid-Flood	DS5	T	1	237.8	0.4	29.46	13.8	84.74	5.99	6.33	7.77	8
2010/07/26	Mid-Flood	MW1	B	18.9	86.7	0.04	27.15	29.58	61.63	4.15	10.94	7.73	15
2010/07/26	Mid-Flood	MW1	B	18.6	149.6	0.12	27.16	29.58	60.02	4.04	11.75	7.77	16
2010/07/26	Mid-Flood	MW1	M	10.6	236.5	0.22	27.28	28.65	58.6	3.96	7.93	7.74	10
2010/07/26	Mid-Flood	MW1	M	10.5	3.8	0.03	27.3	28.82	59.32	4	6.93	7.77	9
2010/07/26	Mid-Flood	MW1	T	1.1	295.5	0.1	27.68	27.14	63.35	4.29	4.12	7.78	4
2010/07/26	Mid-Flood	MW1	T	0.9	221	0.16	27.65	27.33	62.86	4.25	4.72	7.78	6
2010/07/26	Mid-Flood	US1	B	6	301.9	0.41	27.69	26.18	59.53	4.05	18.47	7.74	22
2010/07/26	Mid-Flood	US1	B	6.1	311	0.22	27.85	25.7	60.85	4.14	16.06	7.76	22
2010/07/26	Mid-Flood	US1	M	4.3	310.8	0.4	28.08	25.01	61.25	4.17	14.06	7.77	15
2010/07/26	Mid-Flood	US1	M	4.1	310.8	0.4	28.25	24.68	63.77	4.33	12.75	7.79	14
2010/07/26	Mid-Flood	US1	T	0.8	304.9	0.71	29.24	20.94	92.63	6.32	5.72	7.92	4
2010/07/26	Mid-Flood	US1	T	1.3	304.9	0.71	29.22	20.6	92.14	6.3	5.72	7.92	5
2010/07/26	Mid-Flood	US2	B	6.1	324.1	0.56	28.04	25.6	60.98	4.14	19.68	7.77	22
2010/07/26	Mid-Flood	US2	B	6.1	324.1	0.56	28.12	25.41	67.13	4.55	17.77	7.79	22
2010/07/26	Mid-Flood	US2	M	3.9	304.3	0.6	28.3	24.06	66.62	4.54	10.14	7.79	13
2010/07/26	Mid-Flood	US2	M	3.9	304.3	0.6	28.28	24.09	66.43	4.53	10.84	7.79	12
2010/07/26	Mid-Flood	US2	T	1	323.3	0.58	28.92	21.25	82.52	5.65	5.52	7.86	4
2010/07/26	Mid-Flood	US2	T	1.2	323.3	0.58	28.83	21.8	80.02	5.47	5.32	7.85	5
2010/07/28	Mid-Ebb	DS1	B	5.9	96.9	0.61	28.51	18.16	75.97	5.33	11.85	7.79	21
2010/07/28	Mid-Ebb	DS1	B	6.1	86	0.39	28.49	18.62	78.81	5.52	16.37	7.77	20
2010/07/28	Mid-Ebb	DS1	M	3.9	116.5	0.72	28.54	17.14	77.68	5.48	7.43	7.79	14
2010/07/28	Mid-Ebb	DS1	M	4.2	108.4	0.52	28.53	17.99	77.11	5.41	8.84	7.79	14
2010/07/28	Mid-Ebb	DS1	T	1.2	113.4	1	28.77	15.58	83.11	5.89	6.73	7.86	8
2010/07/28	Mid-Ebb	DS1	T	1	106.7	0.88	28.75	15.63	84.25	5.97	6.22	7.87	6
2010/07/28	Mid-Ebb	DS2	B	5.8	112.5	1.02	28.52	17.85	78.74	5.53	16.67	7.79	25
2010/07/28	Mid-Ebb	DS2	B	6.1	120.5	0.28	28.52	18.05	79.18	5.56	15.16	7.79	24
2010/07/28	Mid-Ebb	DS2	M	4	99.9	0.78	28.55	17.38	78.54	5.53	9.84	7.81	25
2010/07/28	Mid-Ebb	DS2	M	4	126.1	0.3	28.55	17.78	77.78	5.46	12.05	7.81	27
2010/07/28	Mid-Ebb	DS2	T	1.1	106.7	0.88	28.7	16.04	83.07	5.88	6.33	7.85	7
2010/07/28	Mid-Ebb	DS2	T	1	114.5	0.63	28.68	16.31	82.72	5.84	6.63	7.85	7
2010/07/28	Mid-Ebb	DS3	B	9.4	100.9	0.22	28.45	19.44	72.87	5.08	19.38	7.84	27
2010/07/28	Mid-Ebb	DS3	B	9.5	77	0.22	28.43	19.64	76.52	5.33	18.88	7.84	26
2010/07/28	Mid-Ebb	DS3	M	6.2	118.8	0.25	28.52	18	76.2	5.35	16.16	7.83	21
2010/07/28	Mid-Ebb	DS3	M	6.1	115.9	0.25	28.51	18.21	75.82	5.32	16.47	7.83	18
2010/07/28	Mid-Ebb	DS3	T	1.2	114.5	0.63	28.7	15.69	84.35	5.98	7.63	7.89	7
2010/07/28	Mid-Ebb	DS3	T	1.1	93.4	0.63	28.66	16.26	83.48	5.9	7.73	7.87	8
2010/07/28	Mid-Ebb	DS4	B	14.7	156.8	0.17	28.1	22.98	64.68	4.45	15.66	7.8	9
2010/07/28	Mid-Ebb	DS4	B	14.8	156.8	0.17	28.13	22.72	65.72	4.52	16.77	7.79	10
2010/07/28	Mid-Ebb	DS4	M	8.6	107.9	0.25	28.47	19.21	71.74	5.01	15.86	7.82	21
2010/07/28	Mid-Ebb	DS4	M	8.4	116.5	0.28	28.45	19.42	71.57	4.99	16.47	7.82	20
2010/07/28	Mid-Ebb	DS4	T	0.9	93.4	0.63	28.64	16.22	82.93	5.87	7.93	7.87	8

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)
2010/07/28	Mid-Ebb	DS4	T	1	113.1	0.81	28.6	16.88	81.15	5.72	9.44	7.87	9
2010/07/28	Mid-Ebb	DS5	B	7.1	94.3	0.51	28.42	19.86	75.97	5.29	15.06	7.8	22
2010/07/28	Mid-Ebb	DS5	B	7.2	109.6	0.47	28.38	20.47	71.87	4.99	17.47	7.77	21
2010/07/28	Mid-Ebb	DS5	M	4.7	90.2	0.48	28.48	18.73	74.57	5.22	11.95	7.84	15
2010/07/28	Mid-Ebb	DS5	M	4.1	96.7	0.59	28.49	18.56	75	5.25	12.45	7.83	15
2010/07/28	Mid-Ebb	DS5	T	1.1	103.5	0.97	28.57	16.73	82.95	5.86	8.13	7.87	9
2010/07/28	Mid-Ebb	DS5	T	1.4	104.1	0.72	28.53	16.79	82.88	5.86	8.03	7.87	10
2010/07/28	Mid-Ebb	MW1	B	17.1	33.3	0.46	28.59	18.21	83.54	5.85	6.22	7.92	9
2010/07/28	Mid-Ebb	MW1	B	17.2	208.1	0.32	28.59	18.33	84.08	5.88	6.93	7.97	8
2010/07/28	Mid-Ebb	MW1	M	10.2	29.1	0.34	28.6	17.9	83.95	5.89	5.82	7.95	8
2010/07/28	Mid-Ebb	MW1	M	10	126	0.3	28.61	18.23	83.58	5.85	6.02	7.97	7
2010/07/28	Mid-Ebb	MW1	T	0.9	75.7	0.37	28.61	17.7	84.67	5.94	5.32	7.95	5
2010/07/28	Mid-Ebb	MW1	T	1	81.4	0.43	28.62	18.02	84.29	5.91	5.12	7.96	5
2010/07/28	Mid-Ebb	US1	B	9.8	93.1	0.33	28.49	18.67	77.01	5.39	10.84	7.77	14
2010/07/28	Mid-Ebb	US1	B	9.9	93.1	0.33	28.48	18.99	78.45	5.48	10.94	7.78	12
2010/07/28	Mid-Ebb	US1	M	5.9	130.3	0.6	28.56	16.93	79.02	5.58	6.83	7.78	12
2010/07/28	Mid-Ebb	US1	M	5.7	112.8	0.61	28.51	18.05	76.24	5.35	10.74	7.78	12
2010/07/28	Mid-Ebb	US1	T	1.1	108	0.97	28.73	15.69	83.84	5.94	6.02	7.83	6
2010/07/28	Mid-Ebb	US1	T	0.8	113.4	1	28.73	15.52	84.18	5.97	6.12	7.85	5
2010/07/28	Mid-Ebb	US2	B	6.9	129.4	0.44	28.52	18.1	80.16	5.62	9.54	7.74	13
2010/07/28	Mid-Ebb	US2	B	7.2	114.8	0.53	28.49	18.9	77.28	5.4	10.74	7.74	12
2010/07/28	Mid-Ebb	US2	M	4.4	144.2	0.72	28.6	16.73	78.96	5.57	7.53	7.75	7
2010/07/28	Mid-Ebb	US2	M	4.4	108.9	0.82	28.6	16.67	79.09	5.58	7.03	7.77	7
2010/07/28	Mid-Ebb	US2	T	1.1	122.1	0.85	28.74	15.6	84.38	5.98	5.82	7.8	6
2010/07/28	Mid-Ebb	US2	T	1.2	108	0.97	28.74	15.52	84.41	5.98	5.82	7.82	6
2010/07/28	Mid-Flood	DS1	B	7.4	274.7	0.27	28.47	20.57	75.96	5.26	9.84	7.56	11
2010/07/28	Mid-Flood	DS1	B	7.2	223.6	0.2	28.43	21.33	74.87	5.17	11.24	7.55	12
2010/07/28	Mid-Flood	DS1	M	4.8	319.2	0.53	28.51	18.11	84.67	5.94	4.52	7.6	9
2010/07/28	Mid-Flood	DS1	M	4.5	286.1	0.38	28.54	18.56	82.37	5.76	5.02	7.6	8
2010/07/28	Mid-Flood	DS1	T	1	291.8	0.66	28.45	17.38	86.8	6.12	4.12	7.6	5
2010/07/28	Mid-Flood	DS1	T	0.9	291.8	0.66	28.52	18.21	85	5.96	4.52	7.6	5
2010/07/28	Mid-Flood	DS2	B	6.9	331.1	0.48	28.46	21.63	72.77	5.01	9.94	7.56	12
2010/07/28	Mid-Flood	DS2	B	7.1	331.1	0.48	28.45	21.87	73.6	5.06	10.24	7.55	12
2010/07/28	Mid-Flood	DS2	M	4.5	290.8	0.57	28.56	17.7	78.64	5.53	5.82	7.55	5
2010/07/28	Mid-Flood	DS2	M	4.4	321.9	0.41	28.54	18.1	79.07	5.54	5.82	7.56	5
2010/07/28	Mid-Flood	DS2	T	1	292.1	0.59	28.53	16.62	82.18	5.81	4.82	7.52	6
2010/07/28	Mid-Flood	DS2	T	0.8	332.7	0.44	28.54	16.74	81.7	5.77	4.62	7.52	4
2010/07/28	Mid-Flood	DS3	B	6.8	312.7	0.17	28.54	19.48	75.04	5.22	7.93	7.52	9
2010/07/28	Mid-Flood	DS3	B	7.1	318.2	0.54	28.53	19.76	72.53	5.04	8.94	7.52	8
2010/07/28	Mid-Flood	DS3	M	4.7	324.3	0.38	28.48	16.66	79.18	5.6	6.22	7.51	4
2010/07/28	Mid-Flood	DS3	M	4.5	277.9	0.7	28.51	16.7	80.22	5.67	5.62	7.51	5
2010/07/28	Mid-Flood	DS3	T	0.8	333.9	0.32	28.49	16.52	82.22	5.82	5.42	7.52	4
2010/07/28	Mid-Flood	DS3	T	0.8	292.1	0.59	28.49	16.51	82.55	5.85	5.32	7.52	6
2010/07/28	Mid-Flood	DS4	B	6.7	313.8	0.49	28.56	17.98	72.45	5.08	6.33	7.48	6
2010/07/28	Mid-Flood	DS4	B	6.9	7.4	0.23	28.54	17.96	77.93	5.47	7.93	7.5	7
2010/07/28	Mid-Flood	DS4	M	4.4	324	0.2	28.46	16.45	79.02	5.6	7.13	7.49	6
2010/07/28	Mid-Flood	DS4	M	4.7	26	0.29	28.45	16.63	81.97	5.8	5.62	7.54	5
2010/07/28	Mid-Flood	DS4	T	1	353.8	0.42	28.45	16.33	79.83	5.66	6.93	7.5	7
2010/07/28	Mid-Flood	DS4	T	0.8	333.9	0.32	28.43	16.5	83.79	5.94	6.43	7.55	7
2010/07/28	Mid-Flood	DS5	B	6.8	328.4	0.33	28.49	20.42	67.85	4.7	6.43	7.53	7
2010/07/28	Mid-Flood	DS5	B	7.3	303.5	0.41	28.51	20.15	72.52	5.03	7.03	7.51	7
2010/07/28	Mid-Flood	DS5	M	4.6	312.9	0.58	28.55	17	71.59	5.05	6.53	7.51	5
2010/07/28	Mid-Flood	DS5	M	4.6	315.1	0.38	28.53	16.61	73.43	5.19	6.73	7.49	5
2010/07/28	Mid-Flood	DS5	T	1	12.4	0.29	28.48	15.96	77.14	5.48	6.53	7.5	5
2010/07/28	Mid-Flood	DS5	T	1	344.7	0.31	28.48	16.06	77.06	5.47	6.22	7.5	7

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)
2010/07/28	Mid-Flood	MW1	B	18	147.4	0.06	27.47	28.6	59.87	4.03	4.72	7.82	6
2010/07/28	Mid-Flood	MW1	B	18.1	165.9	0.17	27.55	28.02	60.9	4.11	5.32	7.86	7
2010/07/28	Mid-Flood	MW1	M	10	169.8	0.09	28.21	23.18	69.59	4.77	3.61	7.85	4
2010/07/28	Mid-Flood	MW1	M	10.4	47.4	0.07	28.08	24.2	66.81	4.56	3.92	7.9	6
2010/07/28	Mid-Flood	MW1	T	1	177.5	0.11	28.55	17.22	79.91	5.63	4.02	7.86	3
2010/07/28	Mid-Flood	MW1	T	1	227.6	0.18	28.56	17.43	77.94	5.48	4.02	7.87	4
2010/07/28	Mid-Flood	US1	B	7.1	318.6	0.24	28.3	22.6	65.29	4.48	13.55	7.53	17
2010/07/28	Mid-Flood	US1	B	7	310.9	0.3	28.27	22.73	69.56	4.78	12.75	7.53	18
2010/07/28	Mid-Flood	US1	M	4.6	300.5	0.47	28.36	21.2	69.75	4.82	8.33	7.54	13
2010/07/28	Mid-Flood	US1	M	4.6	297.9	0.42	28.38	20.88	71.29	4.94	8.03	7.54	13
2010/07/28	Mid-Flood	US1	T	1.1	305.9	0.57	28.51	18.24	79.27	5.56	4.52	7.56	5
2010/07/28	Mid-Flood	US1	T	1	297.2	0.63	28.49	18.13	78.99	5.54	4.62	7.56	5
2010/07/28	Mid-Flood	US2	B	7.7	309.6	0.31	28.18	23.62	61.6	4.22	19.08	7.53	22
2010/07/28	Mid-Flood	US2	B	7.7	277.4	0.24	28.2	23.38	68.52	4.69	20.38	7.53	24
2010/07/28	Mid-Flood	US2	M	5	291.6	0.65	28.36	21.4	67.29	4.65	8.73	7.53	20
2010/07/28	Mid-Flood	US2	M	4.9	293.4	0.42	28.28	22.57	65.49	4.5	11.85	7.6	18
2010/07/28	Mid-Flood	US2	T	0.8	287.2	0.69	28.48	18.21	79.25	5.56	4.42	7.56	5
2010/07/28	Mid-Flood	US2	T	1	290.9	0.67	28.48	18.08	79.28	5.57	4.62	7.68	5
2010/07/30	Mid-Ebb	DS1	B	5.8	104.9	0.56	28.68	17.7	77.67	5.45	6.36	7.74	8
2010/07/30	Mid-Ebb	DS1	B	6.1	98.3	0.55	28.53	18.93	75.98	5.31	6.97	7.73	10
2010/07/30	Mid-Ebb	DS1	M	3.9	120.1	0.59	28.79	17.26	80.49	5.65	5.96	7.75	26
2010/07/30	Mid-Ebb	DS1	M	4	126.7	0.6	28.76	17.32	79.4	5.57	6.36	7.74	24
2010/07/30	Mid-Ebb	DS1	T	1.2	127.7	0.73	29.25	15.78	91.04	6.39	4.14	7.8	6
2010/07/30	Mid-Ebb	DS1	T	1.1	128.1	0.57	29.21	15.85	90.06	6.32	4.24	7.79	6
2010/07/30	Mid-Ebb	DS2	B	6	93.9	0.53	28.46	20.32	69.29	4.81	19.39	7.73	24
2010/07/30	Mid-Ebb	DS2	B	6	93.9	0.53	28.44	20.58	69.01	4.78	21.41	7.73	25
2010/07/30	Mid-Ebb	DS2	M	4	113.3	0.78	28.83	16.86	81.57	5.73	5.66	7.75	19
2010/07/30	Mid-Ebb	DS2	M	3.9	114.8	0.69	28.81	16.94	80.28	5.64	5.45	7.74	16
2010/07/30	Mid-Ebb	DS2	T	1.2	122.6	0.69	29.27	15.83	89.82	6.3	4.04	7.8	6
2010/07/30	Mid-Ebb	DS2	T	1.1	122.6	0.69	28.95	16.26	84.52	5.95	4.34	7.75	6
2010/07/30	Mid-Ebb	DS3	B	13.9	90.7	0.09	27.71	24.76	61.2	4.19	15.35	7.74	30
2010/07/30	Mid-Ebb	DS3	B	13.9	216.8	0.14	27.7	24.84	61.32	4.2	18.48	7.74	32
2010/07/30	Mid-Ebb	DS3	M	8	69.6	0.24	28.51	19.91	70.67	4.91	19.19	7.74	14
2010/07/30	Mid-Ebb	DS3	M	8	69.6	0.24	28.49	20.04	69.48	4.82	20.2	7.74	12
2010/07/30	Mid-Ebb	DS3	T	1.1	137.3	0.42	29.1	16.16	87.09	6.12	4.14	7.77	5
2010/07/30	Mid-Ebb	DS3	T	1	137.3	0.42	29.03	16.19	85.7	6.02	4.04	7.77	6
2010/07/30	Mid-Ebb	DS4	B	13	72.3	0.08	27.67	24.97	63.27	4.33	18.89	7.76	10
2010/07/30	Mid-Ebb	DS4	B	12.9	72.3	0.08	27.87	23.7	66.01	4.54	20.71	7.76	10
2010/07/30	Mid-Ebb	DS4	M	7.4	90.4	0.33	28.54	20.04	71.34	4.95	17.57	7.76	11
2010/07/30	Mid-Ebb	DS4	M	7.6	90.4	0.33	28.54	20.06	70.85	4.92	16.36	7.76	12
2010/07/30	Mid-Ebb	DS4	T	1	98.4	0.76	29.16	16.01	88.17	6.19	3.74	7.79	5
2010/07/30	Mid-Ebb	DS4	T	1.1	98.4	0.76	29.12	15.96	89	6.25	3.64	7.8	6
2010/07/30	Mid-Ebb	DS5	B	7	67.8	0.39	28.29	21.59	69.88	4.83	20.4	7.77	9
2010/07/30	Mid-Ebb	DS5	B	6.9	84.4	0.41	28.35	21.4	70.92	4.9	19.39	7.77	11
2010/07/30	Mid-Ebb	DS5	M	4.4	90.8	0.53	28.69	18.45	77.46	5.41	6.06	7.76	7
2010/07/30	Mid-Ebb	DS5	M	4.6	93.2	0.58	28.69	18.53	77.68	5.42	6.46	7.76	8
2010/07/30	Mid-Ebb	DS5	T	1	99.9	0.75	29.18	16.06	89.47	6.28	3.84	7.81	6
2010/07/30	Mid-Ebb	DS5	T	1.1	106.9	0.78	29.17	15.93	89.99	6.32	3.54	7.81	7
2010/07/30	Mid-Ebb	MW1	B	19.1	111.1	0.21	28.1	23.18	73.23	5.03	5.66	7.81	18
2010/07/30	Mid-Ebb	MW1	B	18.9	127	0.27	28.46	21.56	76.8	5.29	3.74	7.8	18
2010/07/30	Mid-Ebb	MW1	M	10.5	329.3	0.09	29.16	18.87	86.61	5.99	3.84	7.83	7
2010/07/30	Mid-Ebb	MW1	M	10.4	165.7	0.13	29.24	18.3	87.35	6.05	3.74	7.82	5
2010/07/30	Mid-Ebb	MW1	T	1	88.9	0.74	29.37	16.79	92.19	6.42	3.13	7.83	4
2010/07/30	Mid-Ebb	MW1	T	1.1	80.8	0.62	29.43	16.93	92.63	6.44	3.43	7.83	5
2010/07/30	Mid-Ebb	US1	B	6	92.4	0.24	28.43	21.16	67.36	4.65	20.2	7.74	32

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)
2010/07/30	Mid-Ebb	US1	B	6	92.4	0.24	28.41	20.57	71.99	4.99	12.42	7.73	32
2010/07/30	Mid-Ebb	US1	M	4	105.1	0.64	28.51	19.17	73.09	5.1	7.58	7.72	24
2010/07/30	Mid-Ebb	US1	M	4	105.1	0.64	28.49	19.21	73.1	5.1	7.37	7.72	24
2010/07/30	Mid-Ebb	US1	T	1.2	113.9	0.74	29.14	16.27	87.95	6.17	4.95	7.78	6
2010/07/30	Mid-Ebb	US1	T	1.2	113.9	0.74	29.16	16.11	88.58	6.22	4.85	7.78	5
2010/07/30	Mid-Ebb	US2	B	7.2	86.9	0.27	28.43	19.65	72.7	5.06	13.74	7.71	26
2010/07/30	Mid-Ebb	US2	B	7.1	110.1	0.41	28.51	19.01	74.43	5.2	8.48	7.72	27
2010/07/30	Mid-Ebb	US2	M	4.4	131.6	0.54	28.64	17.95	77.22	5.41	6.16	7.72	12
2010/07/30	Mid-Ebb	US2	M	4.5	115.8	0.47	28.67	17.69	78.55	5.51	6.16	7.72	13
2010/07/30	Mid-Ebb	US2	T	1.1	140.5	0.55	29.21	15.91	89.47	6.28	4.65	7.79	6
2010/07/30	Mid-Ebb	US2	T	1.1	140.5	0.55	29.21	15.86	89.89	6.31	4.65	7.79	6
2010/07/30	Mid-Flood	DS1	B	10.1	211.8	0.54	28.19	20.81	69.3	4.82	13.21	7.69	9
2010/07/30	Mid-Flood	DS1	B	9.9	251.3	0.17	28.13	21.36	67.08	4.65	13	7.69	9
2010/07/30	Mid-Flood	DS1	M	6	319.3	0.2	28.6	17.41	77.34	5.44	5.08	7.71	7
2010/07/30	Mid-Flood	DS1	M	6.2	295.7	0.36	28.16	21.14	67.77	4.7	5	7.69	9
2010/07/30	Mid-Flood	DS1	T	1.1	283.7	0.64	28.75	16.69	79.72	5.61	4.27	7.72	6
2010/07/30	Mid-Flood	DS1	T	1.2	298.4	0.79	28.93	15.8	82.45	5.82	4.47	7.74	6
2010/07/30	Mid-Flood	DS2	B	7	326.5	0.38	28.39	19.9	69.35	4.83	19.1	7.68	33
2010/07/30	Mid-Flood	DS2	B	7	320.1	0.32	28.38	19.98	71.12	4.95	18.8	7.71	32
2010/07/30	Mid-Flood	DS2	M	4.6	314.1	0.46	28.45	19.06	72.22	5.05	14.53	7.69	6
2010/07/30	Mid-Flood	DS2	M	4.6	320.4	0.43	28.45	19.02	73.01	5.1	13.82	7.72	7
2010/07/30	Mid-Flood	DS2	T	1	303.7	0.55	28.9	14.75	79.67	5.66	5.89	7.69	5
2010/07/30	Mid-Flood	DS2	T	1.1	310	0.7	28.87	14.81	80.35	5.71	5.38	7.73	3
2010/07/30	Mid-Flood	DS3	B	7	314.2	0.48	28.46	19.45	68	4.74	16.15	7.69	22
2010/07/30	Mid-Flood	DS3	B	7	317	0.33	28.43	19.69	67.48	4.7	20.02	7.68	21
2010/07/30	Mid-Flood	DS3	M	4.4	306.3	0.62	28.67	16.72	72.66	5.12	8.53	7.68	23
2010/07/30	Mid-Flood	DS3	M	4.5	306.3	0.62	28.73	16.2	74.04	5.23	8.03	7.68	22
2010/07/30	Mid-Flood	DS3	T	1.1	295.9	0.54	28.91	12.23	80.21	5.77	5.49	7.66	4
2010/07/30	Mid-Flood	DS3	T	1.1	295.9	0.54	28.99	11.87	81.09	5.84	5.08	7.68	3
2010/07/30	Mid-Flood	DS4	B	7	312.8	0.41	28.49	19.25	70.22	4.9	7.42	7.6	24
2010/07/30	Mid-Flood	DS4	B	7	314.3	0.4	28.5	19.22	70.31	4.9	7.42	7.62	24
2010/07/30	Mid-Flood	DS4	M	4.4	291.4	0.58	28.67	17.26	71.71	5.04	9.45	7.61	19
2010/07/30	Mid-Flood	DS4	M	4.5	291.4	0.58	28.69	16.92	71.8	5.06	9.45	7.63	19
2010/07/30	Mid-Flood	DS4	T	1.1	291.7	0.56	28.95	12.54	79.17	5.69	5.18	7.6	4
2010/07/30	Mid-Flood	DS4	T	1	291.7	0.56	28.98	12.21	79.95	5.75	4.98	7.63	5
2010/07/30	Mid-Flood	DS5	B	7.1	339.4	0.2	28.47	19.44	69.56	4.85	7.21	7.5	21
2010/07/30	Mid-Flood	DS5	B	7.1	312.8	0.41	28.47	19.43	69.95	4.87	8.33	7.54	21
2010/07/30	Mid-Flood	DS5	M	4.5	311.3	0.5	28.62	17.74	71.45	5.01	5.18	7.5	12
2010/07/30	Mid-Flood	DS5	M	4.6	311.3	0.5	28.58	18.3	70.54	4.94	5.69	7.54	10
2010/07/30	Mid-Flood	DS5	T	1	312.5	0.43	29.02	11.98	80.1	5.76	4.88	7.5	2
2010/07/30	Mid-Flood	DS5	T	1	312.5	0.43	28.99	12.22	79.19	5.69	5.08	7.52	3
2010/07/30	Mid-Flood	MW1	B	19.2	31.9	0.42	27.18	27.75	56.66	3.85	7.01	7.56	6
2010/07/30	Mid-Flood	MW1	B	19	24.7	0.1	27.31	27.11	60.85	4.14	10.77	7.67	6
2010/07/30	Mid-Flood	MW1	M	10.6	185.7	0.2	27.99	22.25	69.45	4.8	4.37	7.68	6
2010/07/30	Mid-Flood	MW1	M	10.4	185.7	0.2	28.06	21.58	69.73	4.84	4.57	7.74	4
2010/07/30	Mid-Flood	MW1	T	1	232.4	0.19	28.65	16.48	79.83	5.64	4.06	7.74	3
2010/07/30	Mid-Flood	MW1	T	0.9	232.4	0.19	28.66	16.37	80.12	5.66	4.57	7.78	3
2010/07/30	Mid-Flood	US1	B	6.1	295.7	0.36	28.14	21.27	68.05	4.72	23.67	7.7	24
2010/07/30	Mid-Flood	US1	B	6.1	301.9	0.52	28.17	21.05	68.84	4.78	23.27	7.71	24
2010/07/30	Mid-Flood	US1	M	4	284.7	0.49	28.21	20.71	68.65	4.77	17.58	7.71	8
2010/07/30	Mid-Flood	US1	M	4	284.7	0.49	28.3	20.4	67.74	4.71	16.36	7.7	10
2010/07/30	Mid-Flood	US1	T	1	298.4	0.79	28.59	17.1	75.29	5.3	6.4	7.71	6
2010/07/30	Mid-Flood	US1	T	1.1	298.4	0.79	28.71	16.8	77.36	5.45	5.38	7.72	6
2010/07/30	Mid-Flood	US2	B	5.9	280.6	0.4	28.24	20.77	71.1	4.94	17.78	7.71	18
2010/07/30	Mid-Flood	US2	B	5.9	292.8	0.44	28.26	20.52	70.89	4.93	16.36	7.69	17

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)
2010/07/30	Mid-Flood	US2	M	3.9	289.4	0.69	28.39	19.55	72.38	5.05	8.03	7.71	9
2010/07/30	Mid-Flood	US2	M	4	289.4	0.65	28.42	19.05	73.06	5.11	7.11	7.7	7
2010/07/30	Mid-Flood	US2	T	1.1	289.1	0.75	28.71	16.62	77.93	5.49	4.88	7.69	6
2010/07/30	Mid-Flood	US2	T	1.1	283.2	0.77	28.76	16.25	77.62	5.48	4.57	7.7	6