

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)
9/11/2010	Mid-Ebb	DS1	B	10.1	169.8	0.26	23.15	30.33	91.3	6.56	15.2	7.94	22
9/11/2010	Mid-Ebb	DS1	M	5.9	115.7	0.34	23.12	30.22	90.2	6.49	11.8	7.95	30
9/11/2010	Mid-Ebb	DS1	T	1.1	128.0	0.25	23.17	30.09	92.4	6.64	9.0	7.96	11
9/11/2010	Mid-Ebb	DS1	B	9.8	133.5	0.25	23.16	30.32	88.4	6.35	20.6	7.94	22
9/11/2010	Mid-Ebb	DS1	M	6.0	122.9	0.23	23.16	30.33	88.5	6.35	18.3	7.94	22
9/11/2010	Mid-Ebb	DS1	T	0.9	128.0	0.25	23.02	30.10	90.8	6.54	9.7	7.96	12
9/11/2010	Mid-Ebb	DS2	B	7.9	131.3	0.20	23.10	30.44	91.8	6.59	19.2	7.95	30
9/11/2010	Mid-Ebb	DS2	M	4.9	110.6	0.30	23.16	30.30	89.5	6.42	22.3	7.94	12
9/11/2010	Mid-Ebb	DS2	T	1.1	116.6	0.22	23.51	30.23	92.0	6.57	8.6	7.95	17
9/11/2010	Mid-Ebb	DS2	B	8.0	144.9	0.24	23.15	30.34	90.7	6.51	27.7	7.94	33
9/11/2010	Mid-Ebb	DS2	M	5.0	137.2	0.35	23.17	30.21	90.3	6.49	10.4	7.94	14
9/11/2010	Mid-Ebb	DS2	T	1.0	116.6	0.22	23.35	30.11	93.0	6.67	8.8	7.96	15
9/11/2010	Mid-Ebb	DS3	B	14.1	152.6	0.19	23.10	30.46	90.0	6.46	9.5	7.95	9
9/11/2010	Mid-Ebb	DS3	M	8.0	114.7	0.21	23.06	30.17	90.9	6.54	7.3	7.95	10
9/11/2010	Mid-Ebb	DS3	T	1.0	50.0	0.10	23.14	30.11	93.4	6.72	7.2	7.96	9
9/11/2010	Mid-Ebb	DS3	B	14.0	120.4	0.21	23.09	30.40	89.4	6.42	7.9	7.94	11
9/11/2010	Mid-Ebb	DS3	M	8.1	107.7	0.21	23.07	30.16	91.0	6.55	7.2	7.95	9
9/11/2010	Mid-Ebb	DS3	T	0.9	50.0	0.10	23.28	30.11	94.8	6.80	6.7	7.97	8
9/11/2010	Mid-Ebb	DS4	B	7.0	87.2	0.14	23.07	30.35	89.4	6.43	9.9	7.94	14
9/11/2010	Mid-Ebb	DS4	M	4.3	89.4	0.29	22.98	30.20	90.0	6.49	8.9	7.95	10
9/11/2010	Mid-Ebb	DS4	T	0.9	97.3	0.24	22.99	30.17	90.8	6.54	8.7	7.95	10
9/11/2010	Mid-Ebb	DS4	B	7.0	126.3	0.21	23.08	30.37	90.4	6.50	9.6	7.94	12
9/11/2010	Mid-Ebb	DS4	M	4.6	114.0	0.31	22.99	30.18	90.1	6.49	8.9	7.94	9
9/11/2010	Mid-Ebb	DS4	T	1.0	97.3	0.24	23.10	30.16	92.7	6.67	7.1	7.95	11
9/11/2010	Mid-Ebb	DS5	B	5.9	107.6	0.33	23.02	30.22	92.1	6.63	11.2	7.94	16
9/11/2010	Mid-Ebb	DS5	M	4.0	106.0	0.34	23.00	30.18	91.3	6.58	8.8	7.94	12
9/11/2010	Mid-Ebb	DS5	T	1.1	114.6	0.46	23.19	30.20	93.5	6.72	6.5	7.95	8
9/11/2010	Mid-Ebb	DS5	B	6.1	96.4	0.22	23.03	30.22	90.8	6.54	11.3	7.94	14
9/11/2010	Mid-Ebb	DS5	M	3.8	109.5	0.35	23.06	30.21	91.1	6.56	8.8	7.94	11
9/11/2010	Mid-Ebb	DS5	T	1.1	114.6	0.46	23.14	30.20	92.5	6.65	6.8	7.95	8
9/11/2010	Mid-Ebb	MW1	B	19.1	66.0	0.36	23.37	31.04	87.0	6.20	7.9	7.88	11
9/11/2010	Mid-Ebb	MW1	M	10.5	52.2	0.35	23.36	31.00	86.9	6.20	6.7	7.86	7
9/11/2010	Mid-Ebb	MW1	T	1.0	82.9	0.36	23.34	30.88	88.3	6.30	5.2	7.85	6
9/11/2010	Mid-Ebb	MW1	B	18.9	23.5	0.28	23.36	31.00	87.1	6.21	7.4	7.84	10
9/11/2010	Mid-Ebb	MW1	M	10.5	69.5	0.33	23.36	31.00	86.7	6.18	6.9	7.84	6
9/11/2010	Mid-Ebb	MW1	T	0.9	91.0	0.40	23.34	30.90	88.1	6.28	5.1	7.84	7
9/11/2010	Mid-Ebb	US1	B	8.0	164.5	0.14	23.15	30.30	93.5	6.71	9.1	7.95	12
9/11/2010	Mid-Ebb	US1	M	5.0	146.2	0.21	23.02	30.17	90.6	6.52	11.0	7.95	13
9/11/2010	Mid-Ebb	US1	T	1.0	121.6	0.34	23.05	30.06	92.1	6.63	8.2	7.96	9
9/11/2010	Mid-Ebb	US1	B	8.0	161.0	0.45	23.15	30.29	90.7	6.51	9.6	7.95	13
9/11/2010	Mid-Ebb	US1	M	4.9	129.4	0.27	23.00	30.16	90.2	6.50	11.2	7.95	13
9/11/2010	Mid-Ebb	US1	T	1.1	110.9	0.25	23.04	30.07	91.7	6.61	8.7	7.96	9
9/11/2010	Mid-Ebb	US2	B	8.1	113.3	0.09	22.94	30.07	93.8	6.77	12.8	7.94	16
9/11/2010	Mid-Ebb	US2	M	4.9	108.9	0.22	22.93	30.03	91.0	6.57	9.4	7.94	14
9/11/2010	Mid-Ebb	US2	T	1.0	107.4	0.38	23.20	29.07	92.3	6.67	6.1	7.91	9
9/11/2010	Mid-Ebb	US2	B	8.0	164.5	0.14	22.93	30.07	93.8	6.77	11.1	7.95	18
9/11/2010	Mid-Ebb	US2	M	4.9	84.4	0.22	22.94	30.05	91.1	6.58	10.2	7.94	13
9/11/2010	Mid-Ebb	US2	T	1.1	88.6	0.24	23.20	29.70	91.7	6.60	7.3	7.93	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)
9/11/2010	Mid-Flood	DS1	B	8.0	304.8	0.38	22.81	30.05	93.2	6.74	22.0	7.89	28
9/11/2010	Mid-Flood	DS1	M	5.0	291.2	0.35	22.81	30.05	89.8	6.50	21.0	7.89	28
9/11/2010	Mid-Flood	DS1	T	0.7	299.8	0.48	22.82	30.05	89.7	6.49	19.6	7.89	26
9/11/2010	Mid-Flood	DS1	B	8.0	295.1	0.41	22.81	30.05	92.9	6.72	21.8	7.88	30
9/11/2010	Mid-Flood	DS1	M	4.9	283.7	0.33	22.82	30.05	89.8	6.50	22.8	7.88	28
9/11/2010	Mid-Flood	DS1	T	0.9	299.8	0.48	22.83	30.05	89.6	6.48	18.8	7.88	24
9/11/2010	Mid-Flood	DS2	B	8.0	310.1	0.36	22.80	29.92	91.1	6.60	32.7	7.88	43
9/11/2010	Mid-Flood	DS2	M	5.1	307.9	0.34	22.80	29.92	88.7	6.42	27.8	7.88	39
9/11/2010	Mid-Flood	DS2	T	1.0	278.3	0.36	22.82	29.92	88.7	6.42	22.0	7.88	29
9/11/2010	Mid-Flood	DS2	B	8.0	275.6	0.33	22.79	29.96	88.2	6.39	31.0	7.88	45
9/11/2010	Mid-Flood	DS2	M	5.0	315.8	0.32	22.80	29.96	88.4	6.40	23.2	7.88	41
9/11/2010	Mid-Flood	DS2	T	1.0	285.5	0.46	22.82	29.94	88.6	6.42	21.1	7.88	30
9/11/2010	Mid-Flood	DS3	B	8.0	318.0	0.38	22.83	29.88	90.4	6.55	21.1	7.89	28
9/11/2010	Mid-Flood	DS3	M	4.8	322.1	0.45	22.84	29.89	88.3	6.39	14.5	7.89	19
9/11/2010	Mid-Flood	DS3	T	0.9	325.0	0.51	22.86	29.88	88.3	6.39	14.3	7.89	21
9/11/2010	Mid-Flood	DS3	B	8.1	331.5	0.34	22.83	29.90	91.2	6.60	18.8	7.89	29
9/11/2010	Mid-Flood	DS3	M	4.9	356.5	0.31	22.83	29.91	88.5	6.40	14.9	7.89	20
9/11/2010	Mid-Flood	DS3	T	1.1	357.3	0.32	22.84	29.92	88.7	6.42	14.3	7.89	23
9/11/2010	Mid-Flood	DS4	B	8.2	321.4	0.34	22.87	29.71	88.9	6.44	34.9	7.88	44
9/11/2010	Mid-Flood	DS4	M	4.9	327.2	0.40	22.87	29.70	87.3	6.33	18.2	7.89	26
9/11/2010	Mid-Flood	DS4	T	1.0	317.9	0.48	22.87	29.67	87.6	6.35	12.6	7.89	17
9/11/2010	Mid-Flood	DS4	B	7.9	341.2	0.32	22.87	29.72	88.0	6.37	34.9	7.88	41
9/11/2010	Mid-Flood	DS4	M	4.9	330.5	0.37	22.88	29.73	86.6	6.27	24.1	7.88	41
9/11/2010	Mid-Flood	DS4	T	1.2	312.5	0.51	22.88	29.72	87.0	6.30	17.6	7.88	16
9/11/2010	Mid-Flood	DS5	B	8.2	359.4	0.31	22.87	29.37	89.4	6.49	17.9	7.87	20
9/11/2010	Mid-Flood	DS5	M	5.4	349.4	0.32	22.87	29.34	87.0	6.31	15.2	7.88	18
9/11/2010	Mid-Flood	DS5	T	0.8	346.0	0.83	22.86	29.34	87.2	6.33	12.4	7.88	15
9/11/2010	Mid-Flood	DS5	B	7.9	321.4	0.34	22.88	29.33	86.3	6.26	16.3	7.88	20
9/11/2010	Mid-Flood	DS5	M	5.0	349.4	0.29	22.87	29.31	86.2	6.26	14.8	7.88	16
9/11/2010	Mid-Flood	DS5	T	1.1	346.0	0.83	22.86	29.29	86.5	6.28	13.0	7.88	15
9/11/2010	Mid-Flood	MW1	B	18.1	83.3	0.17	23.25	31.05	85.2	6.09	16.9	7.90	22
9/11/2010	Mid-Flood	MW1	M	9.9	84.2	0.35	23.24	31.02	84.7	6.05	13.2	7.91	20
9/11/2010	Mid-Flood	MW1	T	1.1	37.7	0.20	23.21	30.93	85.6	6.12	13.1	7.91	19
9/11/2010	Mid-Flood	MW1	B	17.4	61.5	0.22	23.25	31.05	84.3	6.02	16.2	7.92	24
9/11/2010	Mid-Flood	MW1	M	10.0	57.9	0.20	23.24	31.00	84.6	6.04	13.6	7.92	22
9/11/2010	Mid-Flood	MW1	T	1.0	67.7	0.21	23.19	30.91	85.7	6.13	10.1	7.92	17
9/11/2010	Mid-Flood	US1	B	7.9	325.3	0.24	22.82	30.09	92.2	6.67	26.6	7.90	38
9/11/2010	Mid-Flood	US1	M	5.0	324.3	0.39	22.83	30.09	90.2	6.52	21.7	7.90	34
9/11/2010	Mid-Flood	US1	T	1.1	307.1	0.40	22.85	30.09	90.4	6.53	18.8	7.90	24
9/11/2010	Mid-Flood	US1	B	7.9	325.3	0.24	22.82	30.09	89.9	6.50	24.6	7.90	37
9/11/2010	Mid-Flood	US1	M	4.9	308.1	0.24	22.82	30.09	89.8	6.49	28.1	7.90	36
9/11/2010	Mid-Flood	US1	T	0.9	307.1	0.40	22.83	30.09	89.9	6.50	26.0	7.90	24
9/11/2010	Mid-Flood	US2	B	8.2	308.4	0.52	22.83	30.08	93.2	6.74	33.8	7.90	50
9/11/2010	Mid-Flood	US2	M	5.2	307.4	0.41	22.85	30.09	90.6	6.55	28.8	7.90	31
9/11/2010	Mid-Flood	US2	T	1.0	287.0	0.53	22.86	30.09	90.5	6.54	22.2	7.90	28
9/11/2010	Mid-Flood	US2	B	8.0	314.0	0.47	22.84	30.08	90.0	6.51	36.9	7.90	49
9/11/2010	Mid-Flood	US2	M	5.1	306.7	0.52	22.85	30.08	90.2	6.52	25.2	7.90	29
9/11/2010	Mid-Flood	US2	T	0.9	287.0	0.53	22.87	30.09	90.5	6.54	20.8	7.89	26
11/11/2010	Mid-Ebb	DS1	B	6.8	324.1	0.36	22.81	29.92	89.3	6.46	12.2	7.92	20
11/11/2010	Mid-Ebb	DS1	M	4.5	172.7	0.03	22.83	29.91	89.1	6.45	8.3	7.92	8
11/11/2010	Mid-Ebb	DS1	T	1.1	290.4	0.11	23.15	29.55	92.0	6.63	5.7	7.92	7
11/11/2010	Mid-Ebb	DS1	B	7.3	348.1	0.04	22.82	29.91	88.7	6.42	18.3	7.92	19
11/11/2010	Mid-Ebb	DS1	M	4.4	172.7	0.03	23.08	29.80	91.3	6.59	5.6	7.92	10
11/11/2010	Mid-Ebb	DS1	T	1.3	290.4	0.11	23.03	29.82	91.2	6.59	5.5	7.92	7
11/11/2010	Mid-Ebb	DS2	B	8.0	358.6	0.08	22.77	29.96	90.4	6.55	8.6	7.94	12
11/11/2010	Mid-Ebb	DS2	M	4.7	321.3	0.03	22.81	29.92	89.3	6.47	7.9	7.93	9
11/11/2010	Mid-Ebb	DS2	T	1.2	286.7	0.14	22.99	29.85	89.3	6.45	7.6	7.93	8
11/11/2010	Mid-Ebb	DS2	B	7.9	324.9	0.05	22.77	29.96	88.2	6.39	8.2	7.93	10
11/11/2010	Mid-Ebb	DS2	M	4.9	302.1	0.10	22.80	29.91	88.8	6.43	8.3	7.92	11
11/11/2010	Mid-Ebb	DS2	T	1.2	271.4	0.08	23.03	29.84	90.9	6.56	5.9	7.93	8
11/11/2010	Mid-Ebb	DS3	B	15.9	95.7	0.14	22.88	30.07	86.8	6.27	13.7	7.92	15

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Sampling Date	Tide	Station	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	Suspended Solids (mg/L)
11/11/2010	Mid-Ebb	DS3	M	8.9	41.1	0.09	22.82	29.90	88.1	6.38	9.5	7.93	11
11/11/2010	Mid-Ebb	DS3	T	1.3	271.4	0.08	23.08	29.81	91.6	6.61	5.7	7.93	6
11/11/2010	Mid-Ebb	DS3	B	15.6	131.3	0.08	22.88	30.06	86.0	6.22	13.8	7.92	16
11/11/2010	Mid-Ebb	DS3	M	8.8	72.8	0.06	22.84	29.88	88.5	6.41	8.7	7.93	13
11/11/2010	Mid-Ebb	DS3	T	0.9	271.4	0.08	23.08	29.81	91.4	6.59	5.9	7.93	8
11/11/2010	Mid-Ebb	DS4	B	7.3	23.2	0.01	22.77	29.92	91.9	6.66	5.9	7.94	8
11/11/2010	Mid-Ebb	DS4	M	4.6	54.3	0.04	23.04	29.83	91.7	6.62	5.7	7.94	12
11/11/2010	Mid-Ebb	DS4	T	1.1	29.6	0.12	23.11	29.78	92.5	6.67	6.0	7.93	9
11/11/2010	Mid-Ebb	DS4	B	7.1	34.0	0.06	22.76	29.93	89.0	6.45	6.4	7.93	7
11/11/2010	Mid-Ebb	DS4	M	4.5	329.3	0.08	23.06	29.81	91.7	6.61	5.9	7.92	10
11/11/2010	Mid-Ebb	DS4	T	0.9	29.6	0.12	23.09	29.79	92.0	6.63	6.0	7.92	11
11/11/2010	Mid-Ebb	DS5	B	6.0	102.5	0.07	22.75	29.92	89.1	6.46	6.5	7.92	10
11/11/2010	Mid-Ebb	DS5	M	3.9	71.9	0.11	23.05	29.85	91.9	6.63	5.3	7.93	7
11/11/2010	Mid-Ebb	DS5	T	1.3	225.8	0.05	23.19	29.82	94.7	6.82	4.3	7.94	8
11/11/2010	Mid-Ebb	DS5	B	6.2	24.4	0.07	22.73	29.94	88.6	6.42	6.7	7.92	8
11/11/2010	Mid-Ebb	DS5	M	3.7	71.9	0.11	23.06	29.84	92.6	6.68	4.8	7.93	7
11/11/2010	Mid-Ebb	DS5	T	1.2	225.8	0.05	23.26	29.83	94.5	6.79	4.5	7.94	6
11/11/2010	Mid-Ebb	MW1	B	18.3	342.3	0.07	23.22	30.88	84.8	6.06	4.7	7.89	10
11/11/2010	Mid-Ebb	MW1	M	10.0	293.2	0.03	23.22	30.88	84.7	6.06	4.4	7.88	9
11/11/2010	Mid-Ebb	MW1	T	1.1	93.1	0.26	23.22	30.84	85.4	6.11	4.4	7.88	6
11/11/2010	Mid-Ebb	MW1	B	17.9	20.3	0.05	23.22	30.89	84.0	6.01	5.5	7.87	8
11/11/2010	Mid-Ebb	MW1	M	9.9	319.7	0.19	23.22	30.89	84.4	6.03	5.5	7.87	11
11/11/2010	Mid-Ebb	MW1	T	0.9	92.1	0.14	23.22	30.88	85.1	6.08	4.5	7.87	6
11/11/2010	Mid-Ebb	US1	B	7.9	298.6	0.19	22.81	29.86	90.4	6.55	8.7	7.91	11
11/11/2010	Mid-Ebb	US1	M	5.0	67.8	0.02	22.97	29.59	89.5	6.47	6.5	7.90	10
11/11/2010	Mid-Ebb	US1	T	1.0	167.7	0.16	23.20	27.97	92.2	6.70	4.6	7.87	7
11/11/2010	Mid-Ebb	US1	B	8.0	298.6	0.19	22.81	29.87	88.4	6.40	8.3	7.91	11
11/11/2010	Mid-Ebb	US1	M	5.0	293.6	0.11	22.89	29.77	88.7	6.42	7.5	7.91	10
11/11/2010	Mid-Ebb	US1	T	1.1	290.4	0.11	23.24	28.27	92.0	6.67	4.8	7.88	6
11/11/2010	Mid-Ebb	US2	B	8.0	262.2	0.04	22.80	29.79	89.1	6.46	7.6	7.87	9
11/11/2010	Mid-Ebb	US2	M	5.1	262.5	0.13	23.21	29.32	90.9	6.56	5.7	7.87	6
11/11/2010	Mid-Ebb	US2	T	1.0	28.5	0.63	23.12	27.78	91.4	6.67	4.7	7.84	5
11/11/2010	Mid-Ebb	US2	B	8.1	290.7	0.14	22.79	29.80	88.1	6.39	7.9	7.88	11
11/11/2010	Mid-Ebb	US2	M	5.0	350.5	0.07	23.07	29.58	89.9	6.49	6.4	7.88	7
11/11/2010	Mid-Ebb	US2	T	0.9	28.5	0.63	23.13	27.92	91.2	6.64	4.7	7.85	6
11/11/2010	Mid-Flood	DS1	B	8.2	332.5	0.08	22.77	29.67	89.4	6.49	12.2	7.88	15
11/11/2010	Mid-Flood	DS1	M	5.0	331.3	0.20	22.83	29.62	86.7	6.29	13.0	7.88	14
11/11/2010	Mid-Flood	DS1	T	1.0	308.0	0.16	22.94	29.57	86.6	6.27	13.8	7.87	19
11/11/2010	Mid-Flood	DS1	B	8.2	248.5	0.08	22.78	29.68	86.8	6.30	10.9	7.88	16
11/11/2010	Mid-Flood	DS1	M	4.8	331.3	0.20	22.83	29.63	86.5	6.27	12.0	7.87	15
11/11/2010	Mid-Flood	DS1	T	1.0	308.0	0.16	22.99	29.56	86.7	6.27	12.0	7.87	22
11/11/2010	Mid-Flood	DS2	B	8.0	344.5	0.18	22.70	29.65	90.1	6.55	12.3	7.89	18
11/11/2010	Mid-Flood	DS2	M	4.8	326.5	0.35	22.78	29.58	87.9	6.38	9.3	7.89	12
11/11/2010	Mid-Flood	DS2	T	1.2	338.0	0.38	22.91	29.46	87.6	6.35	6.7	7.88	7
11/11/2010	Mid-Flood	DS2	B	8.1	248.5	0.08	22.68	29.69	87.7	6.38	17.2	7.89	16
11/11/2010	Mid-Flood	DS2	M	5.1	336.1	0.27	22.76	29.60	87.6	6.36	10.6	7.88	11
11/11/2010	Mid-Flood	DS2	T	1.2	338.0	0.38	23.14	29.31	88.0	6.36	5.1	7.87	7
11/11/2010	Mid-Flood	DS3	B	8.1	346.1	0.24	22.79	29.45	86.5	6.28	16.9	7.89	24
11/11/2010	Mid-Flood	DS3	M	4.8	327.2	0.34	22.95	29.23	86.9	6.30	8.2	7.89	11
11/11/2010	Mid-Flood	DS3	T	1.1	311.6	0.40	23.09	29.12	87.7	6.35	5.8	7.89	7
11/11/2010	Mid-Flood	DS3	B	7.8	331.6	0.23	22.79	29.46	85.1	6.18	21.0	7.88	22
11/11/2010	Mid-Flood	DS3	M	5.0	345.4	0.40	22.87	29.36	86.6	6.28	8.5	7.88	13
11/11/2010	Mid-Flood	DS3	T	1.1	311.6	0.40	23.20	29.08	88.4	6.39	5.1	7.87	9
11/11/2010	Mid-Flood	DS4	B	8.1	317.3	0.26	22.87	29.21	87.7	6.37	22.9	7.88	36
11/11/2010	Mid-Flood	DS4	M	5.0	340.6	0.42	22.87	29.21	85.1	6.18	17.4	7.88	28
11/11/2010	Mid-Flood	DS4	T	1.1	343.6	0.48	22.96	28.78	85.4	6.21	7.3	7.87	8
11/11/2010	Mid-Flood	DS4	B	7.9	329.7	0.27	22.87	29.22	84.5	6.14	29.1	7.88	31
11/11/2010	Mid-Flood	DS4	M	5.0	340.6	0.42	22.87	29.22	84.5	6.14	17.7	7.88	22
11/11/2010	Mid-Flood	DS4	T	1.0	343.6	0.48	22.94	28.83	85.0	6.18	7.3	7.87	8
11/11/2010	Mid-Flood	DS5	B	7.9	21.0	0.18	22.81	28.78	88.2	6.43	15.5	7.87	22
11/11/2010	Mid-Flood	DS5	M	4.9	343.2	0.45	22.87	28.56	85.6	6.24	8.2	7.87	9

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)
11/11/2010	Mid-Flood	DS5	T	0.9	353.3	0.44	22.92	27.91	87.8	6.42	5.8	7.86	6
11/11/2010	Mid-Flood	DS5	B	7.9	351.1	0.37	22.81	28.76	84.1	6.13	18.1	7.87	20
11/11/2010	Mid-Flood	DS5	M	5.0	343.2	0.45	22.90	28.51	85.6	6.24	7.1	7.87	9
11/11/2010	Mid-Flood	DS5	T	1.0	353.3	0.44	23.00	27.73	88.7	6.48	5.4	7.86	6
11/11/2010	Mid-Flood	MW1	B	19.1	60.6	0.28	23.06	30.78	86.6	6.22	11.5	7.83	15
11/11/2010	Mid-Flood	MW1	M	10.6	92.7	0.32	23.05	30.71	85.3	6.13	10.9	7.83	14
11/11/2010	Mid-Flood	MW1	T	1.1	78.6	0.30	23.03	30.58	86.3	6.20	7.6	7.85	10
11/11/2010	Mid-Flood	MW1	B	18.8	84.1	0.23	23.08	30.82	84.5	6.06	12.2	7.85	19
11/11/2010	Mid-Flood	MW1	M	10.5	59.4	0.14	23.06	30.75	85.0	6.10	9.6	7.86	13
11/11/2010	Mid-Flood	MW1	T	1.1	78.6	0.30	23.04	30.58	86.3	6.20	7.7	7.87	12
11/11/2010	Mid-Flood	US1	B	8.0	309.4	0.12	22.81	29.74	87.9	6.37	20.8	7.88	26
11/11/2010	Mid-Flood	US1	M	4.8	296.0	0.22	22.83	29.67	86.5	6.27	14.8	7.87	20
11/11/2010	Mid-Flood	US1	T	0.9	292.5	0.46	23.02	29.61	87.4	6.32	7.4	7.87	7
11/11/2010	Mid-Flood	US1	B	8.1	309.4	0.12	22.81	29.75	86.8	6.29	20.3	7.88	27
11/11/2010	Mid-Flood	US1	M	5.0	304.3	0.17	22.83	29.67	86.3	6.26	14.8	7.87	20
11/11/2010	Mid-Flood	US1	T	1.0	292.5	0.46	23.11	29.59	87.7	6.33	7.4	7.87	5
11/11/2010	Mid-Flood	US2	B	8.0	334.6	0.25	22.77	29.80	89.6	6.49	17.7	7.89	19
11/11/2010	Mid-Flood	US2	M	5.0	320.4	0.23	22.79	29.76	87.0	6.31	16.5	7.88	18
11/11/2010	Mid-Flood	US2	T	1.3	299.9	0.25	22.98	29.62	87.2	6.30	8.6	7.87	11
11/11/2010	Mid-Flood	US2	B	7.8	311.4	0.24	22.76	29.82	86.7	6.29	17.4	7.87	18
11/11/2010	Mid-Flood	US2	M	4.8	320.4	0.23	22.78	29.77	86.6	6.28	16.3	7.87	18
11/11/2010	Mid-Flood	US2	T	1.3	299.9	0.25	22.84	29.71	86.6	6.27	10.4	7.86	9
13/11/2010	Mid-Ebb	DS1	B	8.0	107.8	0.36	22.74	29.55	87.9	6.39	17.5	7.88	9
13/11/2010	Mid-Ebb	DS1	M	4.8	114.4	0.51	22.77	29.32	87.6	6.37	10.0	7.87	8
13/11/2010	Mid-Ebb	DS1	T	1.1	131.8	0.51	22.62	28.66	87.6	6.41	6.4	7.85	6
13/11/2010	Mid-Ebb	DS1	B	7.9	100.5	0.29	22.77	29.53	88.8	6.45	12.4	7.87	11
13/11/2010	Mid-Ebb	DS1	M	5.1	115.5	0.38	22.80	29.38	86.9	6.32	7.5	7.87	8
13/11/2010	Mid-Ebb	DS1	T	1.0	131.8	0.51	22.77	28.83	86.6	6.32	5.0	7.84	8
13/11/2010	Mid-Ebb	DS2	B	8.1	125.8	0.36	22.77	29.60	88.7	6.44	12.0	7.88	16
13/11/2010	Mid-Ebb	DS2	M	5.0	117.0	0.48	22.84	29.30	87.1	6.32	6.2	7.87	9
13/11/2010	Mid-Ebb	DS2	T	1.1	148.6	0.50	22.53	28.35	86.6	6.36	4.7	7.84	4
13/11/2010	Mid-Ebb	DS2	B	7.8	96.8	0.35	22.81	29.59	86.3	6.26	11.4	7.88	12
13/11/2010	Mid-Ebb	DS2	M	4.9	116.7	0.40	22.85	29.34	86.1	6.25	6.9	7.87	9
13/11/2010	Mid-Ebb	DS2	T	1.1	148.6	0.50	22.75	28.75	86.1	6.28	5.1	7.84	6
13/11/2010	Mid-Ebb	DS3	B	8.0	120.4	0.39	22.88	29.66	87.0	6.30	10.4	7.89	10
13/11/2010	Mid-Ebb	DS3	M	5.1	107.1	0.49	22.92	29.54	85.5	6.19	6.5	7.88	9
13/11/2010	Mid-Ebb	DS3	T	0.9	153.2	0.52	22.79	28.62	85.7	6.25	5.4	7.86	9
13/11/2010	Mid-Ebb	DS3	B	8.0	128.8	0.42	22.89	29.67	84.9	6.15	10.5	7.89	10
13/11/2010	Mid-Ebb	DS3	M	5.0	107.1	0.49	22.91	29.45	85.3	6.18	5.7	7.87	8
13/11/2010	Mid-Ebb	DS3	T	1.3	153.2	0.52	22.74	28.68	85.9	6.27	5.2	7.85	7
13/11/2010	Mid-Ebb	DS4	B	8.1	113.0	0.42	22.90	29.72	85.1	6.16	9.2	7.89	9
13/11/2010	Mid-Ebb	DS4	M	4.9	140.1	0.50	22.90	29.21	86.2	6.26	4.9	7.89	7
13/11/2010	Mid-Ebb	DS4	T	1.2	148.4	0.67	22.52	28.11	86.2	6.34	4.7	7.85	8
13/11/2010	Mid-Ebb	DS4	B	8.0	119.3	0.39	22.90	29.71	85.4	6.18	9.0	7.89	7
13/11/2010	Mid-Ebb	DS4	M	5.1	140.4	0.55	22.87	29.14	86.8	6.31	5.3	7.88	7
13/11/2010	Mid-Ebb	DS4	T	1.2	146.3	0.54	22.81	28.63	85.6	6.25	5.4	7.86	6
13/11/2010	Mid-Ebb	DS5	B	7.9	131.8	0.44	22.95	29.73	85.2	6.16	8.1	7.89	6
13/11/2010	Mid-Ebb	DS5	M	5.2	143.4	0.53	22.91	29.20	85.8	6.23	6.4	7.89	5
13/11/2010	Mid-Ebb	DS5	T	1.3	161.4	0.56	22.77	28.37	85.5	6.25	5.6	7.86	8
13/11/2010	Mid-Ebb	DS5	B	8.1	129.8	0.45	22.96	29.71	83.7	6.05	8.7	7.90	6
13/11/2010	Mid-Ebb	DS5	M	5.1	150.8	0.54	22.87	29.19	85.7	6.23	6.2	7.89	5
13/11/2010	Mid-Ebb	DS5	T	1.3	161.4	0.56	22.81	28.35	85.1	6.22	5.4	7.86	6
13/11/2010	Mid-Ebb	MW1	B	18.9	118.2	0.22	23.14	31.14	85.1	6.08	3.6	7.79	10
13/11/2010	Mid-Ebb	MW1	M	10.6	127.5	0.16	23.15	31.14	84.2	6.02	3.7	7.83	7
13/11/2010	Mid-Ebb	MW1	T	1.0	81.6	0.38	23.13	31.11	84.5	6.04	3.2	7.86	8
13/11/2010	Mid-Ebb	MW1	B	18.9	36.0	0.21	23.15	31.13	85.4	6.10	3.9	7.89	9
13/11/2010	Mid-Ebb	MW1	M	10.3	70.3	0.27	23.15	31.12	84.1	6.01	3.4	7.89	8
13/11/2010	Mid-Ebb	MW1	T	0.9	80.1	0.34	23.11	31.05	84.5	6.04	3.1	7.89	9
13/11/2010	Mid-Ebb	US1	B	7.9	81.7	0.33	22.74	29.46	89.6	6.51	14.6	7.87	13
13/11/2010	Mid-Ebb	US1	M	4.9	119.0	0.43	22.71	29.29	88.0	6.41	11.5	7.87	12
13/11/2010	Mid-Ebb	US1	T	1.1	108.5	0.33	22.56	28.86	88.9	6.51	5.2	7.86	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)
13/11/2010	Mid-Ebb	US1	B	7.7	91.1	0.31	22.70	29.29	91.0	6.63	8.9	7.86	13
13/11/2010	Mid-Ebb	US1	M	4.9	90.9	0.37	22.60	28.89	88.4	6.46	6.0	7.86	12
13/11/2010	Mid-Ebb	US1	T	1.1	108.5	0.33	22.54	28.81	88.9	6.51	6.4	7.85	5
13/11/2010	Mid-Ebb	US2	B	7.9	111.0	0.29	22.74	29.43	89.4	6.50	15.8	7.87	17
13/11/2010	Mid-Ebb	US2	M	5.1	107.8	0.41	22.73	29.33	88.3	6.42	12.9	7.87	11
13/11/2010	Mid-Ebb	US2	T	1.0	150.5	0.54	22.53	28.83	89.2	6.53	5.2	7.86	11
13/11/2010	Mid-Ebb	US2	B	7.8	99.6	0.25	22.74	29.42	87.6	6.37	14.1	7.88	16
13/11/2010	Mid-Ebb	US2	M	4.8	125.7	0.47	22.70	29.18	88.0	6.41	9.6	7.87	11
13/11/2010	Mid-Ebb	US2	T	0.8	150.5	0.54	22.56	28.84	89.1	6.52	4.5	7.86	9
13/11/2010	Mid-Flood	DS1	B	8.0	143.0	0.10	22.90	30.04	87.8	6.35	7.0	7.88	21
13/11/2010	Mid-Flood	DS1	M	4.9	317.4	0.12	22.89	29.85	88.0	6.37	6.3	7.88	10
13/11/2010	Mid-Flood	DS1	T	1.3	354.0	0.17	23.11	29.66	93.6	6.75	3.9	7.91	10
13/11/2010	Mid-Flood	DS1	B	8.1	143.0	0.10	22.90	29.94	87.5	6.33	6.4	7.87	21
13/11/2010	Mid-Flood	DS1	M	4.9	317.4	0.12	22.91	29.90	87.7	6.34	6.4	7.87	10
13/11/2010	Mid-Flood	DS1	T	1.2	354.0	0.17	23.11	29.67	93.7	6.76	3.7	7.90	8
13/11/2010	Mid-Flood	DS2	B	7.8	131.7	0.05	22.92	30.15	90.7	6.55	8.1	7.89	18
13/11/2010	Mid-Flood	DS2	M	4.9	311.2	0.12	23.07	29.73	92.4	6.67	4.5	7.91	10
13/11/2010	Mid-Flood	DS2	T	1.2	329.9	0.31	23.14	29.68	94.6	6.82	3.4	7.91	5
13/11/2010	Mid-Flood	DS2	B	7.8	94.1	0.01	22.92	30.17	87.2	6.29	9.5	7.89	14
13/11/2010	Mid-Flood	DS2	M	4.9	324.3	0.04	22.92	29.96	87.9	6.35	5.8	7.89	9
13/11/2010	Mid-Flood	DS2	T	1.1	329.9	0.31	23.07	29.75	92.0	6.64	4.2	7.91	6
13/11/2010	Mid-Flood	DS3	B	14.9	214.7	0.02	22.89	30.15	88.2	6.37	6.5	7.89	11
13/11/2010	Mid-Flood	DS3	M	8.5	165.3	0.04	22.93	29.99	87.4	6.31	6.0	7.90	8
13/11/2010	Mid-Flood	DS3	T	1.3	318.3	0.20	23.03	29.75	91.6	6.61	4.3	7.91	5
13/11/2010	Mid-Flood	DS3	B	14.9	244.9	0.07	22.90	30.12	88.0	6.35	7.2	7.90	13
13/11/2010	Mid-Flood	DS3	M	8.5	165.3	0.04	22.95	29.79	88.5	6.39	6.1	7.91	10
13/11/2010	Mid-Flood	DS3	T	1.2	318.3	0.20	23.05	29.76	91.7	6.62	4.3	7.92	6
13/11/2010	Mid-Flood	DS4	B	6.9	96.9	0.12	22.94	30.02	90.3	6.52	4.7	7.90	16
13/11/2010	Mid-Flood	DS4	M	4.4	322.0	0.15	23.00	29.84	90.7	6.55	4.2	7.92	10
13/11/2010	Mid-Flood	DS4	T	1.3	272.9	0.22	22.99	29.81	91.7	6.62	3.8	7.92	6
13/11/2010	Mid-Flood	DS4	B	6.8	205.2	0.02	22.91	30.17	90.2	6.51	5.4	7.90	13
13/11/2010	Mid-Flood	DS4	M	4.4	323.6	0.16	22.99	29.85	90.2	6.51	4.7	7.92	8
13/11/2010	Mid-Flood	DS4	T	1.4	272.9	0.22	22.99	29.81	91.4	6.60	3.8	7.92	4
13/11/2010	Mid-Flood	DS5	B	6.9	205.2	0.02	22.93	30.14	89.8	6.48	5.9	7.90	12
13/11/2010	Mid-Flood	DS5	M	4.5	323.6	0.16	23.00	29.88	90.4	6.52	4.5	7.91	7
13/11/2010	Mid-Flood	DS5	T	1.3	295.7	0.12	23.01	29.84	91.1	6.58	4.1	7.92	6
13/11/2010	Mid-Flood	DS5	B	6.8	126.6	0.05	22.97	29.98	88.4	6.38	4.9	7.91	13
13/11/2010	Mid-Flood	DS5	M	4.4	316.3	0.06	23.01	29.85	91.4	6.60	3.9	7.92	7
13/11/2010	Mid-Flood	DS5	T	1.1	295.7	0.12	23.01	29.83	91.9	6.63	4.1	7.92	6
13/11/2010	Mid-Flood	MW1	B	19.0	77.0	0.11	23.19	31.16	85.0	6.07	5.2	7.93	7
13/11/2010	Mid-Flood	MW1	M	10.5	213.7	0.04	23.19	31.13	84.7	6.05	4.6	7.93	6
13/11/2010	Mid-Flood	MW1	T	1.3	314.0	0.12	23.16	31.01	83.9	6.00	4.5	7.92	6
13/11/2010	Mid-Flood	MW1	B	18.8	75.6	0.04	23.19	31.12	83.7	5.98	4.0	7.92	5
13/11/2010	Mid-Flood	MW1	M	10.5	180.0	0.02	23.19	31.13	84.1	6.01	4.5	7.92	5
13/11/2010	Mid-Flood	MW1	T	1.3	299.1	0.10	23.16	31.00	83.3	5.96	4.1	7.91	4
13/11/2010	Mid-Flood	US1	B	7.8	206.1	0.21	22.91	30.09	88.9	6.42	9.5	7.86	19
13/11/2010	Mid-Flood	US1	M	5.0	301.5	0.09	22.88	29.82	87.7	6.35	11.9	7.86	8
13/11/2010	Mid-Flood	US1	T	1.1	317.2	0.29	23.06	29.64	93.1	6.72	4.4	7.88	8
13/11/2010	Mid-Flood	US1	B	7.9	335.6	0.11	22.90	29.98	88.9	6.42	14.5	7.87	19
13/11/2010	Mid-Flood	US1	M	5.0	329.4	0.09	22.89	29.80	88.4	6.39	8.9	7.87	9
13/11/2010	Mid-Flood	US1	T	1.0	317.2	0.29	23.21	29.63	95.4	6.87	3.8	7.90	6
13/11/2010	Mid-Flood	US2	B	7.9	268.8	0.20	22.87	29.87	101.1	7.32	7.0	7.82	20
13/11/2010	Mid-Flood	US2	M	5.0	298.6	0.13	22.88	29.67	89.7	6.50	9.3	7.83	14
13/11/2010	Mid-Flood	US2	T	1.1	321.3	0.29	23.04	29.61	93.2	6.73	5.1	7.84	6
13/11/2010	Mid-Flood	US2	B	7.9	268.8	0.20	22.87	29.82	90.1	6.52	10.5	7.83	21
13/11/2010	Mid-Flood	US2	M	5.0	298.6	0.13	22.90	29.68	89.6	6.49	9.4	7.84	18
13/11/2010	Mid-Flood	US2	T	1.1	321.3	0.29	22.98	29.65	91.5	6.62	6.4	7.85	5