

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)
2010/12/13	Mid-Ebb	DS1	B	6.8	102.2	0.19	20.87	31.39	93.4	6.95	13.1	7.78	12
2010/12/13	Mid-Ebb	DS1	B	6.9	102.2	0.19	20.87	31.37	94.1	7.00	10.9	7.78	14
2010/12/13	Mid-Ebb	DS1	M	4.5	88.3	0.46	20.93	31.22	93.8	6.97	4.2	7.78	4
2010/12/13	Mid-Ebb	DS1	T	0.8	158.5	0.57	21.14	30.73	96.0	7.13	2.3	7.77	3
2010/12/13	Mid-Ebb	DS1	M	4.4	104.6	0.30	21.04	31.14	94.6	7.02	3.1	7.78	4
2010/12/13	Mid-Ebb	DS1	T	1.4	33.9	0.71	21.13	30.71	95.7	7.11	2.2	7.77	3
2010/12/13	Mid-Ebb	DS2	B	8.0	117.4	0.38	20.87	31.42	93.3	6.94	8.3	7.79	6
2010/12/13	Mid-Ebb	DS2	B	8.0	104.0	0.16	20.87	31.29	93.8	6.98	8.5	7.78	7
2010/12/13	Mid-Ebb	DS2	M	4.9	121.6	0.53	20.89	31.26	93.6	6.96	4.5	7.79	5
2010/12/13	Mid-Ebb	DS2	T	1.0	149.9	0.20	21.06	31.16	94.5	7.01	3.4	7.79	5
2010/12/13	Mid-Ebb	DS2	M	5.0	121.6	0.53	21.02	31.19	94.1	6.99	3.4	7.78	4
2010/12/13	Mid-Ebb	DS2	T	1.0	149.9	0.20	21.14	30.81	95.6	7.10	2.6	7.77	3
2010/12/13	Mid-Ebb	DS3	B	15.2	215.2	0.15	20.94	31.68	91.1	6.75	6.4	7.77	9
2010/12/13	Mid-Ebb	DS3	B	14.9	59.0	0.09	20.93	31.67	90.9	6.74	6.7	7.78	9
2010/12/13	Mid-Ebb	DS3	M	8.4	202.0	0.35	20.91	31.39	93.0	6.91	4.4	7.78	6
2010/12/13	Mid-Ebb	DS3	T	1.0	121.1	0.38	21.07	31.18	94.3	7.00	3.6	7.78	4
2010/12/13	Mid-Ebb	DS3	M	8.6	99.9	0.26	20.92	31.38	93.2	6.92	4.5	7.79	7
2010/12/13	Mid-Ebb	DS3	T	1.1	121.1	0.38	21.00	31.24	93.9	6.97	3.7	7.78	4
2010/12/13	Mid-Ebb	DS4	B	6.8	265.9	0.21	20.85	31.54	92.8	6.90	5.6	7.78	7
2010/12/13	Mid-Ebb	DS4	B	6.9	54.8	0.24	20.85	31.48	93.2	6.93	5.2	7.78	7
2010/12/13	Mid-Ebb	DS4	M	4.4	25.5	0.24	20.95	31.40	93.0	6.90	4.3	7.79	5
2010/12/13	Mid-Ebb	DS4	T	1.1	100.3	0.34	21.13	31.14	95.8	7.10	3.4	7.79	4
2010/12/13	Mid-Ebb	DS4	M	4.6	352.5	0.50	21.01	31.28	93.5	6.94	3.9	7.79	5
2010/12/13	Mid-Ebb	DS4	T	1.0	85.2	0.30	21.14	31.12	95.9	7.11	3.3	7.78	4
2010/12/13	Mid-Ebb	DS5	B	5.9	109.3	0.35	20.87	31.53	92.4	6.87	5.7	7.79	7
2010/12/13	Mid-Ebb	DS5	B	6.1	96.0	0.29	20.89	31.55	92.8	6.89	5.8	7.78	8
2010/12/13	Mid-Ebb	DS5	M	4.0	120.3	0.40	20.90	31.41	92.7	6.89	4.8	7.79	6
2010/12/13	Mid-Ebb	DS5	T	0.9	61.7	0.18	21.12	31.07	95.5	7.08	3.0	7.78	3
2010/12/13	Mid-Ebb	DS5	M	3.9	189.4	0.41	20.90	31.40	92.5	6.87	4.7	7.79	5
2010/12/13	Mid-Ebb	DS5	T	1.0	127.2	0.54	21.14	31.06	96.3	7.14	2.8	7.78	3
2010/12/13	Mid-Ebb	MW1	B	18.1	243.1	0.20	21.16	32.21	88.4	6.51	2.8	7.75	4
2010/12/13	Mid-Ebb	MW1	B	17.9	276.7	0.07	21.16	32.12	87.8	6.47	3.0	7.76	4
2010/12/13	Mid-Ebb	MW1	M	10.0	74.5	0.25	21.16	32.16	88.2	6.49	2.7	7.75	5
2010/12/13	Mid-Ebb	MW1	T	0.9	59.0	0.13	21.16	32.12	88.8	6.54	2.3	7.76	3
2010/12/13	Mid-Ebb	MW1	M	10.0	146.6	0.32	21.16	32.11	88.1	6.49	2.4	7.76	4
2010/12/13	Mid-Ebb	MW1	T	1.0	73.1	0.45	21.16	32.10	88.5	6.52	2.2	7.76	4
2010/12/13	Mid-Ebb	US1	B	8.0	136.9	0.21	20.93	31.27	94.4	7.02	4.3	7.77	6
2010/12/13	Mid-Ebb	US1	B	8.1	92.7	0.19	20.91	31.30	94.7	7.04	4.8	7.77	12
2010/12/13	Mid-Ebb	US1	M	5.0	57.6	0.91	21.09	30.97	95.0	7.05	3.1	7.77	4
2010/12/13	Mid-Ebb	US1	T	0.9	160.0	0.17	21.10	30.85	95.3	7.08	3.2	7.76	2
2010/12/13	Mid-Ebb	US1	M	5.1	80.9	0.37	21.11	31.09	95.0	7.05	3.2	7.77	4
2010/12/13	Mid-Ebb	US1	T	0.8	71.0	0.37	21.07	30.78	95.1	7.07	2.8	7.76	3
2010/12/13	Mid-Ebb	US2	B	8.1	134.5	0.15	20.91	31.23	93.9	6.98	5.8	7.75	6
2010/12/13	Mid-Ebb	US2	B	8.0	134.5	0.15	20.95	31.19	94.6	7.03	4.7	7.76	5
2010/12/13	Mid-Ebb	US2	M	5.0	97.6	0.05	21.04	31.03	94.6	7.03	4.0	7.75	5
2010/12/13	Mid-Ebb	US2	T	0.8	141.6	0.15	21.35	29.59	95.4	7.11	2.4	7.70	2
2010/12/13	Mid-Ebb	US2	M	5.0	40.0	0.14	21.06	31.08	94.7	7.03	4.4	7.76	4
2010/12/13	Mid-Ebb	US2	T	1.0	160.0	0.17	21.17	30.48	95.4	7.09	2.4	7.74	3
2010/12/13	Mid-Flood	DS1	B	7.9	299.0	0.07	20.79	31.27	92.3	6.88	8.6	7.90	10
2010/12/13	Mid-Flood	DS1	B	7.9	352.8	0.13	20.80	31.28	92.7	6.91	8.8	7.88	10
2010/12/13	Mid-Flood	DS1	M	4.9	331.4	0.14	20.81	31.24	92.2	6.87	7.9	7.89	9
2010/12/13	Mid-Flood	DS1	T	1.0	304.1	0.27	20.88	31.20	92.3	6.87	7.3	7.89	9
2010/12/13	Mid-Flood	DS1	M	4.8	317.1	0.21	20.79	31.27	92.1	6.87	9.1	7.89	11
2010/12/13	Mid-Flood	DS1	T	1.1	237.9	0.21	20.92	31.17	92.3	6.87	6.9	7.89	8
2010/12/13	Mid-Flood	DS2	B	8.0	328.4	0.23	20.76	31.27	92.8	6.92	8.0	7.90	11
2010/12/13	Mid-Flood	DS2	B	7.9	353.2	0.15	20.76	31.28	92.6	6.90	8.2	7.89	10
2010/12/13	Mid-Flood	DS2	M	5.0	328.6	0.22	20.77	31.24	92.3	6.88	7.2	7.90	8
2010/12/13	Mid-Flood	DS2	T	0.9	324.8	0.31	20.92	31.15	92.6	6.89	4.9	7.89	6
2010/12/13	Mid-Flood	DS2	M	4.9	342.0	0.21	20.80	31.22	92.4	6.89	6.7	7.89	8
2010/12/13	Mid-Flood	DS2	T	0.9	278.3	0.23	20.89	31.17	92.6	6.89	5.6	7.89	7
2010/12/13	Mid-Flood	DS3	B	7.9	311.7	0.33	20.77	31.17	92.2	6.88	8.3	7.90	10

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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)
2010/12/13	Mid-Flood	DS3	B	8.0	332.0	0.21	20.80	31.15	92.4	6.89	8.2	7.88	10
2010/12/13	Mid-Flood	DS3	M	5.0	321.2	0.33	20.83	31.13	92.0	6.86	6.5	7.90	6
2010/12/13	Mid-Flood	DS3	T	1.1	314.7	0.47	20.98	31.09	92.6	6.88	4.9	7.88	5
2010/12/13	Mid-Flood	DS3	M	5.0	299.4	0.29	20.86	31.13	92.1	6.86	5.7	7.88	8
2010/12/13	Mid-Flood	DS3	T	1.1	320.5	0.37	21.15	31.10	93.2	6.90	4.0	7.88	5
2010/12/13	Mid-Flood	DS4	B	8.0	343.8	0.31	20.76	31.06	92.0	6.86	8.5	7.88	11
2010/12/13	Mid-Flood	DS4	B	8.0	353.0	0.27	20.74	31.08	91.5	6.83	9.4	7.88	14
2010/12/13	Mid-Flood	DS4	M	5.0	332.6	0.21	20.78	31.03	91.3	6.81	6.7	7.88	8
2010/12/13	Mid-Flood	DS4	T	1.0	334.6	0.48	21.02	30.94	92.4	6.87	3.8	7.88	5
2010/12/13	Mid-Flood	DS4	M	4.9	347.4	0.56	20.79	31.04	91.2	6.81	7.5	7.88	8
2010/12/13	Mid-Flood	DS4	T	0.9	314.7	0.47	21.00	30.96	92.3	6.87	4.2	7.88	5
2010/12/13	Mid-Flood	DS5	B	6.9	353.6	0.25	20.84	30.82	90.9	6.79	6.8	7.86	10
2010/12/13	Mid-Flood	DS5	B	7.1	358.9	0.25	20.94	30.80	91.0	6.78	5.4	7.86	9
2010/12/13	Mid-Flood	DS5	M	4.4	333.3	0.37	21.07	30.81	91.4	6.80	4.2	7.86	9
2010/12/13	Mid-Flood	DS5	T	0.9	199.7	0.07	21.04	30.81	91.4	6.80	4.2	7.86	6
2010/12/13	Mid-Flood	DS5	M	4.6	339.3	0.28	20.91	30.80	90.3	6.73	6.6	7.86	7
2010/12/13	Mid-Flood	DS5	T	1.1	334.6	0.48	20.97	30.82	91.0	6.78	5.0	7.86	5
2010/12/13	Mid-Flood	MW1	B	19.1	2.9	0.25	21.09	32.09	88.7	6.54	4.3	7.87	6
2010/12/13	Mid-Flood	MW1	B	18.9	59.6	0.28	21.09	32.11	88.2	6.51	4.5	7.89	9
2010/12/13	Mid-Flood	MW1	M	10.4	64.1	0.23	21.09	32.10	88.4	6.52	3.2	7.88	5
2010/12/13	Mid-Flood	MW1	T	1.0	42.1	0.17	21.09	32.10	88.7	6.54	3.7	7.88	4
2010/12/13	Mid-Flood	MW1	M	10.5	64.1	0.23	21.10	32.11	88.1	6.50	3.1	7.89	9
2010/12/13	Mid-Flood	MW1	T	1.0	42.1	0.17	21.10	32.10	88.4	6.52	4.0	7.90	4
2010/12/13	Mid-Flood	US1	B	7.0	307.3	0.24	20.80	31.54	91.5	6.81	11.8	7.90	14
2010/12/13	Mid-Flood	US1	B	7.0	323.5	0.20	20.81	31.53	92.0	6.84	12.8	7.88	14
2010/12/13	Mid-Flood	US1	M	4.5	298.2	0.33	20.83	31.35	91.4	6.80	7.7	7.89	13
2010/12/13	Mid-Flood	US1	T	1.1	282.4	0.38	21.12	31.18	92.5	6.85	4.9	7.88	6
2010/12/13	Mid-Flood	US1	M	4.6	303.2	0.29	20.85	31.33	91.6	6.81	6.5	7.88	7
2010/12/13	Mid-Flood	US1	T	0.9	282.4	0.38	21.22	31.13	92.3	6.83	5.0	7.88	5
2010/12/13	Mid-Flood	US2	B	8.9	329.9	0.23	20.89	31.69	91.5	6.79	11.3	7.90	15
2010/12/13	Mid-Flood	US2	B	8.9	336.1	0.18	20.86	31.64	91.4	6.79	10.8	7.89	14
2010/12/13	Mid-Flood	US2	M	5.5	326.2	0.32	20.86	31.54	90.7	6.74	8.6	7.90	10
2010/12/13	Mid-Flood	US2	T	0.9	315.4	0.22	20.88	31.32	91.4	6.80	7.7	7.89	9
2010/12/13	Mid-Flood	US2	M	5.6	316.7	0.17	20.84	31.46	90.8	6.75	8.8	7.89	15
2010/12/13	Mid-Flood	US2	T	1.1	265.9	0.08	20.95	31.26	91.7	6.81	6.8	7.88	9