

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)
15/3/2010	Mid-Ebb	MW1	T	18.1	41.5	0.31	19.04	33.11	91.8	6.99	7.0	7.48	9
15/3/2010	Mid-Ebb	MW1	M	10.1	74.4	0.41	19.04	33.11	90.2	6.87	4.6	7.44	10
15/3/2010	Mid-Ebb	MW1	B	0.9	78.7	0.56	19.08	33.11	90.3	6.87	7.1	7.43	15
15/3/2010	Mid-Ebb	MW1	T	17.9	45.4	0.31	19.02	33.13	89.8	6.84	5.3	7.42	10
15/3/2010	Mid-Ebb	MW1	M	10.0	39.4	0.40	19.01	33.11	89.5	6.82	4.9	7.41	9
15/3/2010	Mid-Ebb	MW1	B	1.3	78.7	0.56	19.06	33.11	89.9	6.84	7.7	7.44	17
15/3/2010	Mid-Ebb	US2	T	6.9	109.5	0.34	19.23	32.19	93.5	7.13	9.2	7.61	6
15/3/2010	Mid-Ebb	US2	M	4.6	102.4	0.36	19.24	31.78	93.1	7.12	5.7	7.58	10
15/3/2010	Mid-Ebb	US2	B	1.3	123.7	0.46	20.09	30.86	96.5	7.30	2.9	7.59	14
15/3/2010	Mid-Ebb	US2	T	7.0	107.4	0.37	19.23	32.25	94.1	7.17	9.1	7.61	5
15/3/2010	Mid-Ebb	US2	M	4.6	102.4	0.36	19.24	31.78	93.1	7.12	5.6	7.59	10
15/3/2010	Mid-Ebb	US2	B	1.2	123.7	0.46	20.24	30.85	96.9	7.31	3.0	7.61	14
15/3/2010	Mid-Ebb	US1	T	6.0	108.7	0.33	19.24	32.16	93.5	7.13	9.7	7.66	4
15/3/2010	Mid-Ebb	US1	M	4.1	125.5	0.43	19.26	31.81	93.3	7.13	5.2	7.63	10
15/3/2010	Mid-Ebb	US1	B	1.2	134.5	0.45	20.38	30.79	97.3	7.33	2.7	7.64	14
15/3/2010	Mid-Ebb	US1	T	6.0	112.6	0.32	19.23	32.18	93.7	7.15	11.1	7.64	6
15/3/2010	Mid-Ebb	US1	M	4.0	130.7	0.43	19.25	31.79	93.2	7.13	5.5	7.62	9
15/3/2010	Mid-Ebb	US1	B	1.2	134.5	0.45	20.11	30.84	97.4	7.36	2.9	7.64	13
15/3/2010	Mid-Ebb	DS1	T	6.0	89.6	0.26	19.27	32.06	93.7	7.15	10.2	7.68	6
15/3/2010	Mid-Ebb	DS1	M	4.0	117.9	0.45	19.28	31.96	93.9	7.16	8.8	7.66	13
15/3/2010	Mid-Ebb	DS1	B	1.2	101.4	0.54	19.48	31.55	94.8	7.22	5.1	7.65	14
15/3/2010	Mid-Ebb	DS1	T	6.1	89.6	0.26	19.27	32.16	94.3	7.19	10.7	7.67	5
15/3/2010	Mid-Ebb	DS1	M	3.9	99.9	0.40	19.28	31.98	94.0	7.17	8.5	7.66	14
15/3/2010	Mid-Ebb	DS1	B	1.4	101.4	0.54	19.76	31.09	95.9	7.29	4.3	7.66	13
15/3/2010	Mid-Ebb	DS2	T	6.1	96.8	0.34	19.31	32.33	94.4	7.18	11.8	7.73	3
15/3/2010	Mid-Ebb	DS2	M	4.0	117.9	0.45	19.31	31.99	94.1	7.17	8.0	7.68	12
15/3/2010	Mid-Ebb	DS2	B	1.2	135.6	0.47	20.18	30.96	97.2	7.34	3.2	7.69	18
15/3/2010	Mid-Ebb	DS2	T	6.0	117.9	0.29	19.31	32.25	94.9	7.22	9.9	7.71	3
15/3/2010	Mid-Ebb	DS2	M	4.0	115.5	0.42	19.31	31.93	94.1	7.18	8.9	7.68	11
15/3/2010	Mid-Ebb	DS2	B	1.2	135.6	0.47	20.37	30.88	97.6	7.35	3.0	7.69	16
15/3/2010	Mid-Ebb	DS3	T	6.2	116.5	0.26	19.40	32.22	95.1	7.23	15.7	7.74	5
15/3/2010	Mid-Ebb	DS3	M	4.0	107.7	0.50	19.41	31.91	94.9	7.23	9.3	7.70	18
15/3/2010	Mid-Ebb	DS3	B	1.4	88.1	0.45	20.25	30.90	97.8	7.38	3.5	7.71	26
15/3/2010	Mid-Ebb	DS3	T	5.4	96.4	0.23	19.36	32.23	95.1	7.24	15.9	7.70	6
15/3/2010	Mid-Ebb	DS3	M	4.0	111.5	0.46	19.37	32.07	94.9	7.23	11.5	7.69	19
15/3/2010	Mid-Ebb	DS3	B	1.2	88.1	0.45	20.12	31.07	97.8	7.39	3.9	7.70	26
15/3/2010	Mid-Ebb	DS4	T	13.2	69.9	0.18	19.36	32.59	95.2	7.23	13.3	7.74	4
15/3/2010	Mid-Ebb	DS4	M	7.5	40.8	0.21	19.40	32.31	95.4	7.25	10.8	7.72	18
15/3/2010	Mid-Ebb	DS4	B	1.2	93.5	0.40	20.63	30.85	100.4	7.52	3.6	7.73	19
15/3/2010	Mid-Ebb	DS4	T	13.0	66.8	0.38	19.35	32.61	95.4	7.25	12.4	7.75	6
15/3/2010	Mid-Ebb	DS4	M	7.5	40.8	0.21	19.37	32.43	95.5	7.26	11.7	7.72	19
15/3/2010	Mid-Ebb	DS4	B	1.4	111.6	0.47	20.52	30.86	99.9	7.50	4.3	7.73	20
15/3/2010	Mid-Ebb	DS5	T	16.0	75.1	0.32	19.43	32.68	95.4	7.23	13.5	7.75	4
15/3/2010	Mid-Ebb	DS5	M	9.0	87.6	0.24	19.42	32.44	96.0	7.28	9.0	7.72	18
15/3/2010	Mid-Ebb	DS5	B	1.4	111.6	0.47	20.48	30.86	102.1	7.67	3.2	7.74	20
15/3/2010	Mid-Ebb	DS5	T	16.0	73.8	0.29	19.46	32.68	96.1	7.28	11.6	7.74	6
15/3/2010	Mid-Ebb	DS5	M	9.0	76.7	0.20	19.41	32.49	96.0	7.28	10.1	7.72	17
15/3/2010	Mid-Ebb	DS5	B	1.4	111.6	0.47	20.32	30.92	101.4	7.64	3.6	7.73	20

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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)
15/3/2010	Mid-Flood	DS5	T	6.1	301.6	0.27	19.52	31.37	96.2	7.34	3.4	7.45	4
15/3/2010	Mid-Flood	DS5	M	4.0	240.2	0.13	19.52	31.35	96.2	7.34	3.3	7.42	5
15/3/2010	Mid-Flood	DS5	B	1.2	187.3	0.19	20.53	29.15	100.6	7.63	2.6	7.44	7
15/3/2010	Mid-Flood	DS5	T	5.9	307.4	0.25	19.44	31.54	96.3	7.34	4.4	7.46	4
15/3/2010	Mid-Flood	DS5	M	4.0	252.1	0.26	19.66	31.12	97.2	7.40	2.6	7.44	4
15/3/2010	Mid-Flood	DS5	B	1.3	273.7	0.26	19.96	29.49	99.2	7.59	3.4	7.44	5
15/3/2010	Mid-Flood	DS4	T	6.0	271.2	0.15	19.47	31.50	96.5	7.35	3.5	7.49	6
15/3/2010	Mid-Flood	DS4	M	4.0	252.1	0.26	19.95	30.86	99.0	7.51	2.1	7.50	4
15/3/2010	Mid-Flood	DS4	B	1.2	273.7	0.26	19.75	29.83	97.7	7.48	2.9	7.49	4
15/3/2010	Mid-Flood	DS4	T	6.0	300.7	0.26	19.50	31.48	97.0	7.39	3.6	7.51	6
15/3/2010	Mid-Flood	DS4	M	4.0	269.0	0.24	19.75	30.91	97.7	7.44	2.3	7.52	4
15/3/2010	Mid-Flood	DS4	B	1.2	271.9	0.43	19.93	29.69	98.9	7.56	2.7	7.52	6
15/3/2010	Mid-Flood	DS3	T	6.0	271.3	0.18	19.55	31.27	97.1	7.40	3.2	7.57	5
15/3/2010	Mid-Flood	DS3	M	4.0	271.3	0.31	19.66	31.03	97.5	7.43	1.9	7.57	5
15/3/2010	Mid-Flood	DS3	B	1.3	271.9	0.43	20.08	29.85	101.7	7.75	2.2	7.59	3
15/3/2010	Mid-Flood	DS3	T	6.0	271.3	0.18	19.54	31.34	97.5	7.43	3.0	7.60	4
15/3/2010	Mid-Flood	DS3	M	4.0	271.3	0.31	19.61	31.11	97.5	7.43	2.2	7.59	5
15/3/2010	Mid-Flood	DS3	B	1.0	288.0	0.50	20.01	30.00	101.7	7.74	1.9	7.62	5
15/3/2010	Mid-Flood	DS2	T	6.0	271.3	0.18	19.39	31.66	96.1	7.33	3.5	7.60	4
15/3/2010	Mid-Flood	DS2	M	4.0	291.9	0.38	19.48	31.46	96.8	7.38	3.0	7.60	5
15/3/2010	Mid-Flood	DS2	B	1.2	288.0	0.50	19.56	31.17	97.7	7.45	2.1	7.61	6
15/3/2010	Mid-Flood	DS2	T	6.0	295.2	0.32	19.37	31.70	95.7	7.30	4.8	7.62	2
15/3/2010	Mid-Flood	DS2	M	4.0	299.5	0.43	19.51	31.43	97.0	7.40	3.3	7.62	6
15/3/2010	Mid-Flood	DS2	B	1.3	288.0	0.50	19.80	30.83	98.8	7.51	2.0	7.63	5
15/3/2010	Mid-Flood	DS1	T	6.0	288.3	0.41	19.47	31.63	96.4	7.34	7.6	7.64	6
15/3/2010	Mid-Flood	DS1	M	4.1	299.5	0.43	19.54	31.56	96.9	7.38	6.8	7.65	13
15/3/2010	Mid-Flood	DS1	B	1.1	309.0	0.47	19.71	31.15	98.2	7.47	3.1	7.65	13
15/3/2010	Mid-Flood	DS1	T	6.0	301.5	0.34	19.46	31.66	96.7	7.37	8.8	7.66	4
15/3/2010	Mid-Flood	DS1	M	4.1	303.2	0.43	19.50	31.63	96.6	7.36	9.6	7.66	14
15/3/2010	Mid-Flood	DS1	B	1.2	278.1	0.73	19.73	31.18	98.4	7.48	2.9	7.66	11
15/3/2010	Mid-Flood	US1	T	6.0	283.1	0.39	19.48	31.85	97.0	7.38	18.0	7.68	18
15/3/2010	Mid-Flood	US1	M	4.1	279.8	0.59	19.51	31.79	97.4	7.40	12.4	7.68	22
15/3/2010	Mid-Flood	US1	B	1.2	278.1	0.73	19.67	31.62	98.5	7.48	6.8	7.69	40
15/3/2010	Mid-Flood	US1	T	6.1	279.4	0.34	19.51	31.82	97.3	7.40	17.4	7.69	18
15/3/2010	Mid-Flood	US1	M	4.0	274.5	0.42	19.53	31.79	97.6	7.42	16.2	7.69	23
15/3/2010	Mid-Flood	US1	B	1.4	280.7	0.65	19.57	31.78	98.3	7.47	15.9	7.71	37
15/3/2010	Mid-Flood	US2	T	6.0	274.2	0.61	19.45	31.83	97.3	7.41	14.0	7.72	4
15/3/2010	Mid-Flood	US2	M	4.1	281.2	0.67	19.45	31.84	97.4	7.42	12.0	7.70	35
15/3/2010	Mid-Flood	US2	B	1.2	286.5	0.80	19.63	31.64	98.8	7.50	4.6	7.70	26
15/3/2010	Mid-Flood	US2	T	5.9	286.2	0.48	19.46	31.89	97.2	7.40	15.6	7.70	3
15/3/2010	Mid-Flood	US2	M	4.2	287.6	0.55	19.49	31.86	97.6	7.42	11.2	7.71	38
15/3/2010	Mid-Flood	US2	B	1.3	286.5	0.80	19.89	31.60	99.8	7.55	4.3	7.72	24
15/3/2010	Mid-Flood	MW1	T	20.0	64.0	0.29	19.24	33.05	92.9	7.05	9.0	7.67	8
15/3/2010	Mid-Flood	MW1	M	11.0	63.3	0.30	19.27	33.03	93.4	7.08	3.4	7.64	10
15/3/2010	Mid-Flood	MW1	B	1.4	74.9	0.37	19.28	33.02	93.9	7.12	3.1	7.65	13
15/3/2010	Mid-Flood	MW1	T	19.9	73.7	0.26	19.23	33.05	93.1	7.06	7.4	7.65	6
15/3/2010	Mid-Flood	MW1	M	11.1	90.2	0.26	19.20	33.06	92.5	7.02	6.5	7.65	12
15/3/2010	Mid-Flood	MW1	B	1.2	60.5	0.26	19.28	33.03	93.7	7.11	2.8	7.67	11