

Summary Report: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Pos. No.	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)
03/02/2010	Mid-Flood	DS1	S	1.2	338.5	0.37	18.77	28.09	90.7	7.15	23.5	7.75	29
03/02/2010	Mid-Flood	DS1	S	1.4	339.7	0.36	18.78	28.10	90.8	7.16	23.1	7.75	27
03/02/2010	Mid-Flood	DS1	M	4.0	336.0	0.38	18.73	28.11	90.5	7.14	30.7	7.75	30
03/02/2010	Mid-Flood	DS1	M	4.1	341.3	0.31	18.72	28.13	90.5	7.14	24.9	7.76	29
03/02/2010	Mid-Flood	DS1	B	6.1	312.8	0.24	18.72	28.13	90.9	7.17	25.6	7.76	44
03/02/2010	Mid-Flood	DS1	B	6.2	347.2	0.36	18.73	28.12	91.3	7.20	30.1	7.75	40
03/02/2010	Mid-Flood	DS2	S	1.3	336.8	0.54	18.80	28.05	90.5	7.13	18.7	7.74	28
03/02/2010	Mid-Flood	DS2	S	1.4	66.0	0.50	18.79	28.03	90.4	7.13	19.6	7.75	22
03/02/2010	Mid-Flood	DS2	M	4.6	0.0	0.34	18.76	28.04	90.1	7.11	22.2	7.75	28
03/02/2010	Mid-Flood	DS2	M	4.7	336.6	0.43	18.76	28.05	90.1	7.11	32.1	7.74	33
03/02/2010	Mid-Flood	DS2	B	7.0	6.4	0.37	18.74	28.07	89.9	7.10	31.2	7.75	30
03/02/2010	Mid-Flood	DS2	B	7.1	347.8	0.34	18.75	28.06	90.3	7.13	30.1	7.74	32
03/02/2010	Mid-Flood	DS3	S	1.3	336.8	0.54	18.89	27.80	90.9	7.16	15.0	7.73	19
03/02/2010	Mid-Flood	DS3	S	1.4	2.3	0.45	18.86	27.80	90.3	7.12	18.0	7.73	21
03/02/2010	Mid-Flood	DS3	M	4.2	6.3	0.43	18.80	27.80	90.1	7.11	21.9	7.73	34
03/02/2010	Mid-Flood	DS3	M	4.5	336.6	0.43	18.84	27.87	90.5	7.13	18.1	7.73	33
03/02/2010	Mid-Flood	DS3	B	7.1	3.1	0.38	18.79	27.91	91.1	7.18	26.5	7.74	34
03/02/2010	Mid-Flood	DS3	B	7.1	7.5	0.37	18.80	27.87	90.7	7.15	26.6	7.73	35
03/02/2010	Mid-Flood	DS4	S	1.1	27.7	0.50	18.98	27.12	88.9	7.02	13.8	7.70	20
03/02/2010	Mid-Flood	DS4	S	1.2	23.3	0.58	19.03	27.06	89.1	7.03	11.5	7.69	23
03/02/2010	Mid-Flood	DS4	M	5.0	10.1	0.52	18.91	27.20	88.4	6.98	13.2	7.70	19
03/02/2010	Mid-Flood	DS4	M	5.1	8.7	0.50	18.90	27.23	88.7	7.01	14.9	7.70	22
03/02/2010	Mid-Flood	DS4	B	8.0	2.5	0.44	18.83	27.69	90.1	7.11	17.7	7.73	22
03/02/2010	Mid-Flood	DS4	B	8.2	12.1	0.44	18.83	27.68	89.5	7.06	19.6	7.72	24
03/02/2010	Mid-Flood	DS5	S	1.3	10.0	0.58	19.02	26.84	88.1	6.96	18.7	7.68	21
03/02/2010	Mid-Flood	DS5	S	1.5	11.8	0.51	19.03	26.84	88.2	6.97	18.3	7.68	22
03/02/2010	Mid-Flood	DS5	M	4.9	13.5	0.49	18.96	26.85	87.6	6.93	27.4	7.68	46
03/02/2010	Mid-Flood	DS5	M	5.0	11.9	0.50	18.96	26.85	87.5	6.92	29.3	7.68	43
03/02/2010	Mid-Flood	DS5	B	7.9	11.5	0.44	18.95	26.87	88.4	6.99	39.6	7.68	60
03/02/2010	Mid-Flood	DS5	B	8.1	12.4	0.41	18.94	26.88	87.8	6.95	48.6	7.68	59
03/02/2010	Mid-Flood	MW1	S	1.2	57.8	0.42	18.64	29.11	91.2	7.17	5.8	7.69	20
03/02/2010	Mid-Flood	MW1	S	1.3	57.8	0.42	18.63	29.14	90.9	7.14	6.1	7.73	18
03/02/2010	Mid-Flood	MW1	M	9.8	65.4	0.35	18.61	29.28	90.4	7.10	7.3	7.65	11
03/02/2010	Mid-Flood	MW1	M	10.1	66.9	0.41	18.58	29.46	89.9	7.06	8.9	7.72	10
03/02/2010	Mid-Flood	MW1	B	17.9	58.6	0.36	18.58	29.48	90.2	7.08	8.8	7.56	12
03/02/2010	Mid-Flood	MW1	B	18.0	58.6	0.36	18.57	29.52	89.5	7.02	7.7	7.71	14
03/02/2010	Mid-Flood	US1	S	1.3	288.5	0.33	18.78	28.12	91.4	7.20	10.1	7.74	12
03/02/2010	Mid-Flood	US1	S	1.5	288.5	0.33	18.75	28.16	91.2	7.19	10.9	7.75	12
03/02/2010	Mid-Flood	US1	M	3.4	317.9	0.59	18.71	28.28	91.2	7.19	12.9	7.75	19
03/02/2010	Mid-Flood	US1	M	3.5	291.5	0.32	18.70	28.29	91.2	7.19	13.7	7.75	16
03/02/2010	Mid-Flood	US1	B	4.9	304.4	0.32	18.66	28.39	91.2	7.19	16.9	7.76	18
03/02/2010	Mid-Flood	US1	B	5.0	311.9	0.48	18.65	28.47	91.8	7.24	17.3	7.76	15
03/02/2010	Mid-Flood	US2	S	1.1	311.8	0.53	18.88	27.77	91.8	7.24	6.8	7.72	10
03/02/2010	Mid-Flood	US2	S	1.5	311.8	0.53	18.78	28.01	91.8	7.24	8.4	7.73	9
03/02/2010	Mid-Flood	US2	M	3.9	292.9	0.55	18.70	28.29	91.8	7.24	11.0	7.74	19
03/02/2010	Mid-Flood	US2	M	3.9	311.9	0.47	18.71	28.30	91.5	7.21	11.5	7.74	20
03/02/2010	Mid-Flood	US2	B	6.0	298.7	0.33	18.65	28.47	92.7	7.31	14.2	7.74	18
03/02/2010	Mid-Flood	US2	B	6.0	257.4	0.45	18.66	28.44	91.4	7.21	13.7	7.75	17
03/02/2010	Mid-Ebb	DS1	S	1.3	108.3	0.48	18.97	28.64	93.4	7.31	18.2	7.80	23
03/02/2010	Mid-Ebb	DS1	S	1.3	108.3	0.48	18.95	28.66	93.3	7.30	14.3	7.80	23
03/02/2010	Mid-Ebb	DS1	M	4.1	145.7	0.30	18.86	28.76	92.8	7.27	19.6	7.80	26
03/02/2010	Mid-Ebb	DS1	M	4.2	144.2	0.37	18.89	28.74	92.8	7.27	18.5	7.80	30
03/02/2010	Mid-Ebb	DS1	B	5.9	115.1	0.43	18.79	29.02	92.8	7.27	29.9	7.81	34
03/02/2010	Mid-Ebb	DS1	B	6.1	115.1	0.43	18.81	29.01	92.9	7.28	26.8	7.81	32
03/02/2010	Mid-Ebb	DS2	S	1.2	100.6	0.46	18.94	28.62	93.4	7.32	10.8	7.80	16
03/02/2010	Mid-Ebb	DS2	S	1.2	100.6	0.46	18.93	28.67	93.3	7.31	11.1	7.80	18
03/02/2010	Mid-Ebb	DS2	M	4.8	118.8	0.40	18.85	28.84	93.0	7.29	13.8	7.81	16
03/02/2010	Mid-Ebb	DS2	M	4.8	82.1	0.49	18.87	28.78	93.0	7.29	15.6	7.81	18
03/02/2010	Mid-Ebb	DS2	B	8.0	113.1	0.38	18.60	29.47	92.4	7.25	97.0	7.84	117
03/02/2010	Mid-Ebb	DS2	B	8.0	112.1	0.36	18.60	29.53	92.5	7.25	101.7	7.84	94
03/02/2010	Mid-Ebb	DS3	S	1.0	117.1	0.33	19.03	28.53	94.3	7.38	9.3	7.80	14

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Sampling Date	Tide	Pos. No.	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)
03/02/2010	Mid-Ebb	DS3	S	1.3	117.1	0.33	19.01	28.57	94.1	7.36	10.4	7.80	15
03/02/2010	Mid-Ebb	DS3	M	4.4	114.5	0.32	18.73	29.03	92.5	7.26	33.8	7.82	14
03/02/2010	Mid-Ebb	DS3	M	4.6	124.1	0.40	18.94	28.68	93.4	7.31	12.4	7.81	14
03/02/2010	Mid-Ebb	DS3	B	7.1	103.4	0.38	18.63	29.22	93.1	7.31	66.4	7.83	71
03/02/2010	Mid-Ebb	DS3	B	7.1	135.1	0.40	18.63	29.24	92.0	7.22	69.1	7.83	69
03/02/2010	Mid-Ebb	DS4	S	1.4	105.4	0.43	18.99	28.67	94.4	7.39	11.5	7.82	16
03/02/2010	Mid-Ebb	DS4	S	1.4	105.4	0.43	19.02	28.66	94.5	7.39	10.0	7.82	16
03/02/2010	Mid-Ebb	DS4	M	4.5	98.0	0.40	18.95	28.73	93.8	7.34	13.0	7.82	18
03/02/2010	Mid-Ebb	DS4	M	4.5	98.0	0.40	18.94	28.73	93.9	7.35	10.7	7.82	17
03/02/2010	Mid-Ebb	DS4	B	6.8	102.3	0.35	18.75	28.91	93.9	7.37	25.9	7.84	20
03/02/2010	Mid-Ebb	DS4	B	7.0	114.2	0.42	18.77	28.98	93.0	7.29	26.1	7.83	18
03/02/2010	Mid-Ebb	DS5	S	1.4	132.2	0.36	18.98	28.55	94.2	7.38	11.9	7.82	14
03/02/2010	Mid-Ebb	DS5	S	1.4	132.2	0.36	19.00	28.55	94.4	7.39	11.1	7.82	14
03/02/2010	Mid-Ebb	DS5	M	5.8	102.5	0.43	18.86	28.71	92.9	7.29	19.7	7.82	21
03/02/2010	Mid-Ebb	DS5	M	5.9	119.5	0.40	18.96	28.64	93.8	7.35	13.0	7.82	17
03/02/2010	Mid-Ebb	DS5	B	10.1	127.0	0.39	18.84	28.73	93.7	7.35	22.6	7.82	24
03/02/2010	Mid-Ebb	DS5	B	10.2	124.9	0.46	18.82	28.81	92.4	7.25	27.3	7.82	22
03/02/2010	Mid-Ebb	MW1	S	1.3	76.3	0.71	18.77	29.86	91.6	7.14	5.1	7.81	6
03/02/2010	Mid-Ebb	MW1	S	1.5	65.6	0.32	18.83	29.70	92.4	7.21	5.1	7.82	7
03/02/2010	Mid-Ebb	MW1	M	10.3	120.7	0.47	18.75	29.90	91.5	7.14	5.3	7.83	6
03/02/2010	Mid-Ebb	MW1	M	10.5	66.7	0.24	18.66	30.10	91.2	7.12	5.0	7.81	7
03/02/2010	Mid-Ebb	MW1	B	18.9	71.0	0.34	18.65	30.18	91.3	7.12	6.4	7.81	7
03/02/2010	Mid-Ebb	MW1	B	18.9	7.7	0.29	18.67	30.10	91.4	7.13	6.5	7.83	6
03/02/2010	Mid-Ebb	US1	S	1.2	95.1	0.46	19.07	28.71	94.6	7.39	11.5	7.80	17
03/02/2010	Mid-Ebb	US1	S	1.3	95.1	0.46	19.05	28.71	94.5	7.38	11.5	7.81	18
03/02/2010	Mid-Ebb	US1	M	3.9	111.4	0.56	18.88	29.09	94.1	7.36	13.3	7.82	19
03/02/2010	Mid-Ebb	US1	M	4.0	107.6	0.56	18.86	29.14	94.0	7.35	13.4	7.82	15
03/02/2010	Mid-Ebb	US1	B	6.1	111.6	0.47	18.67	29.59	94.5	7.40	44.4	7.85	20
03/02/2010	Mid-Ebb	US1	B	6.1	117.1	0.62	18.67	29.59	93.7	7.33	46.1	7.84	24
03/02/2010	Mid-Ebb	US2	S	1.2	95.1	0.46	19.17	27.57	91.5	7.18	12.4	7.74	17
03/02/2010	Mid-Ebb	US2	S	1.3	78.4	0.31	19.19	27.58	91.7	7.19	12.5	7.75	17
03/02/2010	Mid-Ebb	US2	M	5.0	100.5	0.56	19.00	28.72	93.9	7.34	14.8	7.79	22
03/02/2010	Mid-Ebb	US2	M	5.0	100.5	0.56	18.98	28.78	93.8	7.33	15.4	7.80	19
03/02/2010	Mid-Ebb	US2	B	7.9	76.0	0.31	18.92	29.10	94.9	7.41	14.2	7.82	18
03/02/2010	Mid-Ebb	US2	B	8.1	114.5	0.41	18.77	29.40	93.5	7.31	34.6	7.82	17