

Summary Report: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Time	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)
20/1/2010	Mid-Flood	MW1	08:37:47	B	18.2	19.4	0.25	17.61	31.57	94.0	7.42	6.0	7.71	11
20/1/2010	Mid-Flood	MW1	08:38:58	M	10.7	76.9	0.34	17.64	31.41	94.3	7.45	4.8	7.86	10
20/1/2010	Mid-Flood	MW1	08:39:49	T	1.3	44.8	0.41	17.71	31.12	95.7	7.56	5.0	7.88	6
20/1/2010	Mid-Flood	MW1	08:42:02	B	18.2	94.0	0.25	17.62	31.53	94.4	7.45	5.4	7.90	10
20/1/2010	Mid-Flood	MW1	08:42:47	M	10.4	76.9	0.34	17.66	31.35	94.6	7.47	5.0	7.90	8
20/1/2010	Mid-Flood	MW1	08:43:37	T	1.4	44.8	0.41	17.72	31.10	95.9	7.58	5.3	7.90	8
20/1/2010	Mid-Flood	US2	09:55:14	B	8.4	8.3	0.06	17.80	30.84	97.5	7.70	21.2	7.88	32
20/1/2010	Mid-Flood	US2	09:56:00	M	5.1	318.2	0.52	17.79	30.77	98.0	7.75	20.8	7.88	55
20/1/2010	Mid-Flood	US2	09:56:51	T	1.4	299.1	0.66	17.84	30.02	95.1	7.54	4.6	7.82	6
20/1/2010	Mid-Flood	US2	09:58:54	B	8.0	8.3	0.06	17.76	30.85	98.0	7.75	41.9	7.89	32
20/1/2010	Mid-Flood	US2	09:59:40	M	5.0	306.5	0.48	17.75	30.78	97.8	7.74	28.3	7.88	51
20/1/2010	Mid-Flood	US2	10:00:27	T	1.1	308.3	0.48	17.83	30.04	95.1	7.54	4.5	7.82	6
20/1/2010	Mid-Flood	US1	10:05:36	B	10.3	286.1	0.24	17.80	30.71	97.6	7.72	19.0	7.88	30
20/1/2010	Mid-Flood	US1	10:06:37	M	6.2	310.3	0.47	17.80	30.70	97.7	7.73	15.7	7.88	19
20/1/2010	Mid-Flood	US1	10:07:31	T	1.4	305.2	0.55	17.81	30.53	97.4	7.71	11.0	7.87	7
20/1/2010	Mid-Flood	US1	10:11:47	B	10.2	40.7	0.31	17.80	30.70	97.5	7.71	19.2	7.88	26
20/1/2010	Mid-Flood	US1	10:12:38	M	5.8	326.8	0.41	17.79	30.71	97.9	7.74	15.6	7.87	19
20/1/2010	Mid-Flood	US1	10:13:19	T	1.2	319.5	0.49	17.85	30.05	95.7	7.59	5.1	7.83	6
20/1/2010	Mid-Flood	DS1	10:19:00	B	5.8	326.8	0.41	17.79	30.43	96.5	7.65	31.0	7.86	49
20/1/2010	Mid-Flood	DS1	10:19:32	M	4.0	346.3	0.45	17.80	30.40	96.6	7.65	22.3	7.86	54
20/1/2010	Mid-Flood	DS1	10:20:14	T	1.1	319.5	0.49	17.81	30.37	96.7	7.66	17.1	7.85	19
20/1/2010	Mid-Flood	DS1	10:22:14	B	6.1	331.3	0.36	17.80	30.45	97.3	7.71	20.7	7.86	25
20/1/2010	Mid-Flood	DS1	10:23:06	M	4.1	332.1	0.47	17.82	30.36	96.7	7.66	12.0	7.85	25
20/1/2010	Mid-Flood	DS1	10:23:40	T	1.6	275.1	0.31	17.83	30.32	96.6	7.65	9.3	7.85	18
20/1/2010	Mid-Flood	DS2	10:28:35	B	7.0	312.5	0.29	17.77	30.40	97.2	7.70	16.8	7.86	26
20/1/2010	Mid-Flood	DS2	10:29:29	M	4.6	300.4	0.36	17.79	30.34	96.5	7.64	9.6	7.85	18
20/1/2010	Mid-Flood	DS2	10:30:20	T	1.1	310.2	0.34	17.83	30.22	96.5	7.64	7.3	7.84	9
20/1/2010	Mid-Flood	DS2	10:31:59	B	6.9	294.6	0.26	17.77	30.39	97.3	7.71	15.1	7.84	25
20/1/2010	Mid-Flood	DS2	10:32:47	M	4.5	300.4	0.36	17.78	30.37	96.4	7.64	12.7	7.84	20
20/1/2010	Mid-Flood	DS2	10:33:34	T	1.5	310.2	0.34	17.80	30.32	96.5	7.65	8.1	7.84	9
20/1/2010	Mid-Flood	DS3	10:37:37	B	7.0	326.2	0.31	17.78	30.23	96.1	7.62	31.6	7.83	41
20/1/2010	Mid-Flood	DS3	10:38:21	M	4.5	351.4	0.41	17.78	30.19	95.2	7.55	22.1	7.83	27
20/1/2010	Mid-Flood	DS3	10:39:07	T	1.3	342.6	0.41	17.86	30.04	95.5	7.57	13.5	7.82	12
20/1/2010	Mid-Flood	DS3	10:40:16	B	7.1	329.7	0.31	17.78	30.23	95.7	7.59	25.5	7.83	44
20/1/2010	Mid-Flood	DS3	10:40:56	M	4.6	15.5	0.41	17.78	30.20	95.1	7.55	21.3	7.83	26
20/1/2010	Mid-Flood	DS3	10:41:50	T	1.6	357.6	0.38	17.80	30.15	95.0	7.54	18.3	7.83	14
20/1/2010	Mid-Flood	DS4	10:46:30	B	8.3	347.8	0.42	17.79	30.06	95.2	7.56	36.0	7.83	45
20/1/2010	Mid-Flood	DS4	10:47:21	M	5.0	339.4	0.40	17.79	30.03	94.6	7.51	15.3	7.82	22
20/1/2010	Mid-Flood	DS4	10:47:57	T	1.2	357.6	0.38	17.85	29.94	94.8	7.52	8.8	7.82	9
20/1/2010	Mid-Flood	DS4	10:49:02	B	8.4	1.9	0.39	17.79	30.08	95.2	7.56	39.6	7.82	46
20/1/2010	Mid-Flood	DS4	10:49:40	M	5.1	359.0	0.42	17.79	30.05	94.8	7.53	14.0	7.82	21
20/1/2010	Mid-Flood	DS4	10:50:29	T	1.4	357.6	0.38	17.91	29.91	95.1	7.54	7.5	7.81	8
20/1/2010	Mid-Flood	DS5	10:54:32	B	8.2	1.9	0.39	17.79	30.01	95.4	7.58	21.1	7.81	28
20/1/2010	Mid-Flood	DS5	10:55:19	M	5.0	341.6	0.45	17.82	29.91	94.7	7.52	7.7	7.81	14
20/1/2010	Mid-Flood	DS5	10:55:56	T	1.1	355.2	0.46	17.98	29.15	95.3	7.58	4.1	7.78	7
20/1/2010	Mid-Flood	DS5	10:57:15	B	8.2	1.9	0.39	17.80	30.00	94.9	7.54	19.2	7.81	26
20/1/2010	Mid-Flood	DS5	10:58:00	M	5.1	359.0	0.42	17.83	29.88	94.7	7.52	7.7	7.81	14
20/1/2010	Mid-Flood	DS5	10:58:40	T	1.2	0.6	0.50	17.99	29.18	95.6	7.60	4.4	7.78	6
20/1/2010	Mid-Ebb	US2	14:25:45	B	7.1	99.0	0.27	17.79	30.58	95.4	7.55	11.6	7.85	15

Summary Report: Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	Time	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)
20/1/2010	Mid-Ebb	US2	14:26:33	M	4.6	84.7	0.33	17.89	30.45	96.0	7.59	7.1	7.85	8
20/1/2010	Mid-Ebb	US2	14:27:22	T	1.3	94.3	0.35	18.59	29.53	99.0	7.77	4.0	7.83	5
20/1/2010	Mid-Ebb	US2	14:28:25	B	7.1	87.5	0.32	17.80	30.58	96.2	7.61	10.8	7.85	16
20/1/2010	Mid-Ebb	US2	14:28:54	M	4.5	82.5	0.33	18.00	30.39	96.4	7.61	5.4	7.84	7
20/1/2010	Mid-Ebb	US2	14:29:42	T	1.0	100.6	0.36	18.53	29.50	99.2	7.79	4.0	7.82	4
20/1/2010	Mid-Ebb	US1	14:34:02	B	5.8	92.0	0.28	17.82	30.44	96.0	7.60	9.0	7.86	14
20/1/2010	Mid-Ebb	US1	14:34:51	M	4.0	105.3	0.23	17.82	30.44	95.9	7.59	8.5	7.86	7
20/1/2010	Mid-Ebb	US1	14:35:38	T	1.3	100.6	0.36	18.34	29.91	99.1	7.79	4.0	7.84	4
20/1/2010	Mid-Ebb	US1	14:37:34	B	6.1	122.1	0.26	17.82	30.45	96.3	7.62	11.0	7.86	14
20/1/2010	Mid-Ebb	US1	14:38:14	M	3.9	113.5	0.29	17.82	30.45	96.1	7.60	8.9	7.85	6
20/1/2010	Mid-Ebb	US1	14:39:03	T	1.2	100.6	0.36	18.05	30.22	97.6	7.70	5.7	7.85	7
20/1/2010	Mid-Ebb	DS1	14:45:51	B	6.2	106.7	0.21	17.86	30.71	96.8	7.65	7.6	7.89	10
20/1/2010	Mid-Ebb	DS1	14:46:22	M	4.0	121.0	0.26	17.85	30.49	96.4	7.63	7.3	7.88	9
20/1/2010	Mid-Ebb	DS1	14:46:52	T	1.5	98.5	0.33	18.04	30.18	97.7	7.71	4.5	7.86	6
20/1/2010	Mid-Ebb	DS1	14:47:58	B	6.1	109.9	0.27	17.87	30.58	96.8	7.65	7.5	7.87	9
20/1/2010	Mid-Ebb	DS1	14:48:52	M	4.0	121.0	0.30	17.85	30.50	96.2	7.61	7.3	7.87	10
20/1/2010	Mid-Ebb	DS1	14:49:38	T	1.4	98.5	0.33	18.04	30.13	98.0	7.74	4.6	7.86	6
20/1/2010	Mid-Ebb	DS2	14:53:56	B	7.1	110.5	0.17	17.87	30.91	97.5	7.69	10.9	7.90	16
20/1/2010	Mid-Ebb	DS2	14:54:45	M	4.3	112.9	0.31	17.90	30.56	97.0	7.66	6.1	7.87	10
20/1/2010	Mid-Ebb	DS2	14:55:15	T	1.1	119.4	0.34	18.25	29.82	98.6	7.77	3.9	7.86	7
20/1/2010	Mid-Ebb	DS2	14:56:24	B	7.1	116.8	0.13	17.85	30.87	97.5	7.69	10.5	7.89	18
20/1/2010	Mid-Ebb	DS2	14:57:07	M	4.5	127.3	0.31	17.86	30.73	97.2	7.67	8.1	7.88	12
20/1/2010	Mid-Ebb	DS2	14:57:51	T	1.1	119.4	0.34	18.21	29.92	99.0	7.80	4.3	7.86	6
20/1/2010	Mid-Ebb	DS3	15:01:54	B	8.1	128.3	0.18	17.86	30.94	97.9	7.72	7.9	7.92	14
20/1/2010	Mid-Ebb	DS3	15:02:51	M	5.2	130.0	0.25	17.98	30.77	98.6	7.77	7.2	7.91	11
20/1/2010	Mid-Ebb	DS3	15:03:41	T	1.0	84.5	0.37	18.32	29.94	99.2	7.80	4.0	7.87	8
20/1/2010	Mid-Ebb	DS3	15:05:18	B	7.9	93.7	0.17	17.87	30.93	97.9	7.72	7.9	7.91	12
20/1/2010	Mid-Ebb	DS3	15:05:50	M	5.1	119.0	0.22	17.93	30.84	98.3	7.75	8.0	7.90	13
20/1/2010	Mid-Ebb	DS3	15:06:22	T	1.1	87.1	0.38	18.17	30.06	99.0	7.80	4.3	7.88	6
20/1/2010	Mid-Ebb	DS4	15:10:48	B	14.3	156.5	0.16	17.82	30.97	96.6	7.62	36.2	7.92	46
20/1/2010	Mid-Ebb	DS4	15:11:25	M	8.2	145.1	0.23	17.99	30.82	98.5	7.75	8.6	7.91	10
20/1/2010	Mid-Ebb	DS4	15:12:20	T	1.3	88.9	0.40	18.23	30.12	99.0	7.79	5.1	7.87	8
20/1/2010	Mid-Ebb	DS4	15:13:49	B	13.4	158.9	0.19	17.82	30.96	96.9	7.64	29.9	7.91	44
20/1/2010	Mid-Ebb	DS4	15:14:36	M	8.3	140.3	0.26	17.99	30.79	98.6	7.76	7.9	7.90	12
20/1/2010	Mid-Ebb	DS4	15:15:19	T	1.2	129.4	0.31	18.33	30.07	99.3	7.80	5.2	7.87	8
20/1/2010	Mid-Ebb	DS5	15:19:09	B	10.1	130.5	0.29	17.77	31.01	97.5	7.70	7.1	7.92	11
20/1/2010	Mid-Ebb	DS5	15:19:40	M	6.0	146.6	0.26	17.81	30.95	98.0	7.74	5.9	7.92	6
20/1/2010	Mid-Ebb	DS5	15:20:30	T	1.4	129.4	0.31	18.12	30.33	99.0	7.80	5.1	7.88	8
20/1/2010	Mid-Ebb	DS5	15:22:11	B	10.1	135.5	0.26	17.78	31.00	97.8	7.72	6.8	7.92	9
20/1/2010	Mid-Ebb	DS5	15:22:45	M	6.0	121.4	0.27	17.87	30.92	98.5	7.77	5.6	7.91	8
20/1/2010	Mid-Ebb	DS5	15:23:37	T	1.1	129.4	0.31	18.23	30.15	99.4	7.82	5.0	7.88	7
20/1/2010	Mid-Ebb	MW1	16:09:18	B	19.0	95.0	0.18	17.67	31.62	93.1	7.34	3.5	7.92	8
20/1/2010	Mid-Ebb	MW1	16:10:09	M	10.1	67.5	0.19	17.66	31.62	93.3	7.36	3.7	7.91	6
20/1/2010	Mid-Ebb	MW1	16:11:00	T	1.2	101.8	0.49	17.84	31.44	95.8	7.53	2.7	7.92	6
20/1/2010	Mid-Ebb	MW1	16:12:17	B	18.9	61.0	0.17	17.67	31.62	93.2	7.35	4.2	7.91	5
20/1/2010	Mid-Ebb	MW1	16:13:05	M	10.2	125.1	0.17	17.66	31.62	93.3	7.35	4.7	7.91	6
20/1/2010	Mid-Ebb	MW1	16:13:57	T	1.4	95.5	0.45	17.78	31.50	95.2	7.49	2.8	7.92	6