

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)
10/12/2009	Mid-Ebb	MW1	06:07:02	B	19.2	30.8	0.16	20.90	33.01	85.1	6.27	4.5	7.66	10
10/12/2009	Mid-Ebb	MW1	06:07:51	M	9.8	70.8	0.14	20.90	33.02	84.4	6.21	5.2	7.69	8
10/12/2009	Mid-Ebb	MW1	06:08:48	T	1.0	63.0	0.22	20.90	33.02	84.6	6.23	3.6	7.70	5
10/12/2009	Mid-Ebb	MW1	06:10:19	B	19.0	30.8	0.16	20.90	33.02	83.9	6.18	4.5	7.71	10
10/12/2009	Mid-Ebb	MW1	06:11:12	M	10.3	64.1	0.17	20.90	33.02	84.1	6.19	4.0	7.71	6
10/12/2009	Mid-Ebb	MW1	06:12:13	T	1.2	65.5	0.30	20.90	33.02	84.5	6.22	3.5	7.73	6
10/12/2009	Mid-Ebb	DS5	07:34:03	B	9.9	95.7	0.18	20.50	32.79	91.7	6.81	9.2	7.84	16
10/12/2009	Mid-Ebb	DS5	07:34:53	M	5.1	110.5	0.33	20.38	32.64	90.8	6.76	9.1	7.83	10
10/12/2009	Mid-Ebb	DS5	07:35:44	T	1.0	113.3	0.43	20.33	32.55	91.1	6.79	5.1	7.82	7
10/12/2009	Mid-Ebb	DS5	07:37:17	B	10.0	95.7	0.18	20.53	32.79	90.7	6.73	9.5	7.82	18
10/12/2009	Mid-Ebb	DS5	07:38:05	M	5.2	103.6	0.32	20.38	32.62	90.6	6.75	6.6	7.83	7
10/12/2009	Mid-Ebb	DS5	07:38:50	T	1.3	113.3	0.43	20.33	32.49	91.1	6.80	4.7	7.82	7
10/12/2009	Mid-Ebb	DS4	07:43:35	B	16.0	80.9	0.10	20.41	32.65	89.8	6.69	42.4	7.83	62
10/12/2009	Mid-Ebb	DS4	07:45:09	M	8.9	81.1	0.18	20.41	32.59	90.2	6.71	9.1	7.83	13
10/12/2009	Mid-Ebb	DS4	07:45:55	T	1.1	108.2	0.44	20.36	32.45	90.8	6.77	6.0	7.82	15
10/12/2009	Mid-Ebb	DS4	07:47:17	B	15.9	70.2	0.13	20.41	32.65	90.6	6.74	29.8	7.83	68
10/12/2009	Mid-Ebb	DS4	07:48:08	M	9.0	94.2	0.19	20.41	32.61	90.1	6.71	11.6	7.83	14
10/12/2009	Mid-Ebb	DS4	07:48:59	T	1.1	108.2	0.44	20.37	32.45	90.9	6.78	5.8	7.82	12
10/12/2009	Mid-Ebb	DS3	07:53:27	B	8.0	88.2	0.32	20.44	32.59	91.9	6.84	10.9	7.83	19
10/12/2009	Mid-Ebb	DS3	07:54:22	M	4.9	96.5	0.41	20.43	32.50	90.5	6.74	6.8	7.82	13
10/12/2009	Mid-Ebb	DS3	07:55:09	T	1.1	107.8	0.42	20.40	32.40	90.8	6.77	6.0	7.81	10
10/12/2009	Mid-Ebb	DS3	07:56:19	B	7.9	97.1	0.25	20.44	32.61	91.4	6.80	11.5	7.83	18
10/12/2009	Mid-Ebb	DS3	07:57:04	M	4.9	95.5	0.37	20.43	32.53	90.3	6.72	9.2	7.83	14
10/12/2009	Mid-Ebb	DS3	07:57:49	T	0.9	107.8	0.42	20.41	32.43	90.6	6.75	6.3	7.82	8
10/12/2009	Mid-Ebb	DS2	08:02:33	B	6.9	97.9	0.21	20.45	32.56	92.0	6.84	10.5	7.84	16
10/12/2009	Mid-Ebb	DS2	08:03:17	M	4.1	111.9	0.27	20.43	32.45	90.5	6.74	12.1	7.83	19
10/12/2009	Mid-Ebb	DS2	08:04:04	T	1.1	121.1	0.35	20.39	32.33	90.8	6.77	8.5	7.82	7
10/12/2009	Mid-Ebb	DS2	08:05:35	B	6.8	101.1	0.26	20.45	32.62	90.3	6.72	11.6	7.84	17
10/12/2009	Mid-Ebb	DS2	08:06:27	M	4.1	113.2	0.33	20.43	32.44	90.2	6.72	13.9	7.82	22
10/12/2009	Mid-Ebb	DS2	08:07:17	T	1.1	121.1	0.35	20.40	32.33	90.7	6.77	7.0	7.82	8
10/12/2009	Mid-Ebb	DS1	08:12:36	B	6.0	110.2	0.29	20.44	32.51	92.8	6.91	9.6	7.84	14
10/12/2009	Mid-Ebb	DS1	08:13:20	M	3.8	130.8	0.41	20.44	32.49	90.7	6.75	9.0	7.83	9
10/12/2009	Mid-Ebb	DS1	08:14:05	T	1.1	126.8	0.46	20.43	32.36	90.4	6.74	5.6	7.82	8
10/12/2009	Mid-Ebb	DS1	08:15:13	B	6.1	110.2	0.29	20.44	32.52	91.6	6.82	9.2	7.83	15
10/12/2009	Mid-Ebb	DS1	08:15:55	M	3.8	130.8	0.41	20.44	32.47	90.4	6.73	7.3	7.83	11
10/12/2009	Mid-Ebb	DS1	08:16:42	T	1.0	126.8	0.46	20.43	32.36	90.3	6.73	5.3	7.82	7
10/12/2009	Mid-Ebb	US1	08:21:58	B	6.0	128.3	0.22	20.45	32.44	90.7	6.75	6.2	7.83	15
10/12/2009	Mid-Ebb	US1	08:22:29	M	3.7	105.2	0.40	20.41	32.26	90.5	6.75	4.9	7.82	8
10/12/2009	Mid-Ebb	US1	08:23:15	T	1.0	110.0	0.40	20.42	32.25	90.7	6.76	4.4	7.82	7
10/12/2009	Mid-Ebb	US1	08:24:23	B	5.9	115.9	0.27	20.45	32.43	92.0	6.85	6.0	7.83	13
10/12/2009	Mid-Ebb	US1	08:25:12	M	3.9	116.8	0.32	20.42	32.26	90.3	6.73	4.6	7.82	6
10/12/2009	Mid-Ebb	US1	08:26:12	T	1.1	110.0	0.40	20.41	32.22	90.5	6.75	4.4	7.82	7
10/12/2009	Mid-Ebb	US2	08:30:53	B	6.8	129.8	0.31	20.47	32.45	92.3	6.87	7.4	7.85	12
10/12/2009	Mid-Ebb	US2	08:32:06	M	4.2	121.1	0.37	20.49	32.38	90.1	6.70	6.0	7.83	10
10/12/2009	Mid-Ebb	US2	08:32:58	T	1.0	125.9	0.37	20.37	32.23	91.3	6.82	5.0	7.82	5
10/12/2009	Mid-Ebb	US2	08:34:05	B	7.2	111.8	0.24	20.48	32.45	91.5	6.81	7.5	7.83	13
10/12/2009	Mid-Ebb	US2	08:34:54	M	4.3	135.0	0.33	20.49	32.41	90.0	6.70	6.4	7.83	11
10/12/2009	Mid-Ebb	US2	08:35:41	T	0.9	140.3	0.42	20.39	32.26	90.8	6.78	5.2	7.82	7
10/12/2009	Mid-Flood	DS5	12:55:24	B	6.9	307.6	0.26	20.76	32.45	91.1	6.75	5.6	7.82	9
10/12/2009	Mid-Flood	DS5	12:56:29	M	4.1	304.5	0.23	20.74	32.09	90.6	6.73	4.5	7.81	8
10/12/2009	Mid-Flood	DS5	12:57:12	T	1.1	290.5	0.33	20.80	31.86	91.2	6.77	3.8	7.80	8
10/12/2009	Mid-Flood	DS5	12:58:19	B	7.0	321.8	0.22	20.77	32.46	90.9	6.73	5.3	7.82	10
10/12/2009	Mid-Flood	DS5	12:59:06	M	3.9	288.0	0.23	20.75	32.06	90.6	6.73	4.2	7.81	7
10/12/2009	Mid-Flood	DS5	12:59:49	T	1.0	290.5	0.33	20.80	31.88	91.1	6.76	3.8	7.80	8
10/12/2009	Mid-Flood	DS4	13:04:27	B	5.8	317.8	0.28	20.87	32.45	91.9	6.79	4.9	7.83	9
10/12/2009	Mid-Flood	DS4	13:05:12	M	3.9	309.2	0.26	20.90	32.44	91.0	6.72	4.5	7.83	8
10/12/2009	Mid-Flood	DS4	13:06:01	T	1.2	303.8	0.37	20.96	32.43	91.4	6.74	4.1	7.83	7
10/12/2009	Mid-Flood	DS4	13:07:05	B	5.9	313.3	0.21	20.88	32.46	91.5	6.76	5.8	7.83	7
10/12/2009	Mid-Flood	DS4	13:07:53	M	4.0	305.2	0.25	20.92	32.44	91.0	6.72	4.6	7.83	8
10/12/2009	Mid-Flood	DS4	13:08:42	T	1.2	303.8	0.37	20.95	32.43	91.3	6.74	4.5	7.83	8

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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)
10/12/2009	Mid-Flood	DS3	13:13:16	B	5.9	313.3	0.32	20.76	32.51	91.7	6.79	6.2	7.84	10
10/12/2009	Mid-Flood	DS3	13:14:09	M	3.9	305.6	0.25	20.91	32.49	91.0	6.72	4.9	7.84	8
10/12/2009	Mid-Flood	DS3	13:15:01	T	1.1	282.6	0.40	20.98	32.48	91.6	6.76	4.7	7.84	8
10/12/2009	Mid-Flood	DS3	13:16:17	B	6.0	301.4	0.24	20.78	32.50	90.8	6.72	7.0	7.84	8
10/12/2009	Mid-Flood	DS3	13:17:07	M	4.1	311.9	0.32	20.89	32.50	90.7	6.70	5.7	7.84	6
10/12/2009	Mid-Flood	DS3	13:17:53	T	1.1	282.6	0.40	20.97	32.49	91.5	6.75	4.4	7.84	7
10/12/2009	Mid-Flood	DS2	13:23:08	B	6.1	300.3	0.31	20.74	32.48	93.8	6.94	11.3	7.86	24
10/12/2009	Mid-Flood	DS2	13:23:53	M	3.7	289.8	0.39	20.78	32.48	91.0	6.73	9.3	7.85	17
10/12/2009	Mid-Flood	DS2	13:24:38	T	1.0	296.9	0.41	20.78	32.45	91.4	6.76	7.5	7.85	12
10/12/2009	Mid-Flood	DS2	13:25:49	B	5.9	316.2	0.28	20.73	32.48	92.1	6.82	11.4	7.84	24
10/12/2009	Mid-Flood	DS2	13:26:37	M	3.9	304.0	0.34	20.70	32.44	91.0	6.74	8.6	7.84	13
10/12/2009	Mid-Flood	DS2	13:27:19	T	1.1	296.9	0.41	20.73	32.43	91.2	6.76	7.3	7.85	13
10/12/2009	Mid-Flood	DS1	13:32:26	B	6.0	352.7	0.31	20.56	32.47	92.4	6.87	35.0	7.85	34
10/12/2009	Mid-Flood	DS1	13:33:13	M	3.8	298.9	0.42	20.56	32.48	90.7	6.74	26.4	7.85	35
10/12/2009	Mid-Flood	DS1	13:34:03	T	1.1	295.4	0.49	20.57	32.48	90.8	6.75	20.7	7.85	26
10/12/2009	Mid-Flood	DS1	13:35:30	B	6.0	352.7	0.31	20.54	32.48	91.4	6.79	26.4	7.84	37
10/12/2009	Mid-Flood	DS1	13:36:25	M	3.8	298.9	0.42	20.54	32.47	90.4	6.72	26.4	7.85	37
10/12/2009	Mid-Flood	DS1	13:37:17	T	1.3	295.4	0.49	20.56	32.47	90.5	6.72	23.6	7.85	28
10/12/2009	Mid-Flood	US1	13:44:02	B	6.1	329.1	0.28	20.50	32.52	93.6	6.96	14.0	7.86	23
10/12/2009	Mid-Flood	US1	13:44:56	M	3.6	249.2	0.46	20.53	32.51	91.4	6.79	12.6	7.86	19
10/12/2009	Mid-Flood	US1	13:45:45	T	1.3	248.6	0.48	20.54	32.51	91.5	6.80	11.7	7.86	15
10/12/2009	Mid-Flood	US1	13:46:51	B	6.0	298.7	0.42	20.51	32.52	92.6	6.89	11.9	7.85	26
10/12/2009	Mid-Flood	US1	13:47:40	M	3.9	293.4	0.44	20.60	32.49	91.6	6.80	11.9	7.85	20
10/12/2009	Mid-Flood	US1	13:48:29	T	1.1	248.6	0.48	20.71	32.46	92.3	6.84	8.7	7.85	15
10/12/2009	Mid-Flood	US2	13:53:40	B	6.4	285.1	0.46	20.57	32.52	92.1	6.84	13.0	7.85	29
10/12/2009	Mid-Flood	US2	13:54:44	M	3.8	241.6	0.54	20.65	32.49	91.7	6.80	9.8	7.85	14
10/12/2009	Mid-Flood	US2	13:55:29	T	1.0	241.9	0.60	20.77	32.44	92.6	6.85	5.8	7.85	12
10/12/2009	Mid-Flood	US2	13:56:40	B	6.0	285.1	0.46	20.60	32.51	92.7	6.88	11.9	7.85	27
10/12/2009	Mid-Flood	US2	13:57:25	M	3.8	241.6	0.54	20.62	32.51	91.4	6.78	11.6	7.85	15
10/12/2009	Mid-Flood	US2	13:58:13	T	1.2	241.9	0.60	20.82	32.43	92.8	6.86	5.3	7.85	10
10/12/2009	Mid-Flood	MW1	15:01:06	B	17.7	58.7	0.19	20.95	33.01	85.6	6.30	7.4	7.76	16
10/12/2009	Mid-Flood	MW1	15:01:55	M	10.0	81.9	0.23	20.95	33.01	85.1	6.26	6.8	7.77	7
10/12/2009	Mid-Flood	MW1	15:02:40	T	1.2	66.8	0.20	20.98	33.01	85.9	6.31	4.7	7.77	6
10/12/2009	Mid-Flood	MW1	15:04:17	B	17.8	49.4	0.21	20.96	33.01	84.8	6.23	6.9	7.77	13
10/12/2009	Mid-Flood	MW1	15:05:24	M	10.4	58.4	0.23	20.96	33.02	85.1	6.26	5.1	7.78	6
10/12/2009	Mid-Flood	MW1	15:06:09	T	1.2	55.2	0.21	20.96	33.02	85.4	6.28	5.7	7.78	7