

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)
11/26/2009	Mid-Ebb	DS1	7:50:45	B	5.8	70.0	0.21	21.07	33.14	97.7	7.16	16.2	7.98	20
11/26/2009	Mid-Ebb	DS1	7:52:58	B	5.9	114.9	0.26	21.07	33.15	96.5	7.08	11.6	7.97	20
11/26/2009	Mid-Ebb	DS1	7:51:13	M	3.1	104.6	0.33	21.07	32.90	96.2	7.06	7.0	7.95	12
11/26/2009	Mid-Ebb	DS1	7:53:24	M	3.1	99.0	0.37	21.07	32.99	96.1	7.05	8.2	7.96	15
11/26/2009	Mid-Ebb	DS1	7:51:38	T	0.9	78.2	0.35	21.07	32.90	95.7	7.03	5.1	7.95	5
11/26/2009	Mid-Ebb	DS1	7:53:51	T	1.1	78.2	0.35	21.08	32.89	95.8	7.03	5.2	7.94	5
11/26/2009	Mid-Ebb	DS2	7:42:41	B	6.9	51.1	0.07	21.07	33.21	96.8	7.10	5.6	7.98	14
11/26/2009	Mid-Ebb	DS2	7:45:16	B	7.0	48.7	0.24	21.08	33.19	96.0	7.04	6.7	7.98	13
11/26/2009	Mid-Ebb	DS2	7:43:10	M	3.4	108.4	0.35	21.10	33.02	96.8	7.10	5.0	7.97	7
11/26/2009	Mid-Ebb	DS2	7:45:43	M	3.4	108.4	0.35	21.11	33.06	96.5	7.08	5.7	7.97	5
11/26/2009	Mid-Ebb	DS2	7:46:11	T	0.9	114.9	0.37	21.08	32.92	96.7	7.10	4.8	7.95	9
11/26/2009	Mid-Ebb	DS2	7:43:38	T	1.0	114.9	0.37	21.09	32.94	96.9	7.11	4.7	7.96	10
11/26/2009	Mid-Ebb	DS3	7:35:10	B	7.7	84.4	0.27	21.10	33.21	98.1	7.18	5.8	7.98	20
11/26/2009	Mid-Ebb	DS3	7:37:17	B	7.8	84.4	0.27	21.11	33.21	98.0	7.18	6.2	7.98	20
11/26/2009	Mid-Ebb	DS3	7:35:43	M	3.8	130.0	0.26	21.12	32.99	97.5	7.15	5.0	7.96	8
11/26/2009	Mid-Ebb	DS3	7:37:47	M	4.0	118.2	0.33	21.12	32.95	97.6	7.16	4.9	7.96	7
11/26/2009	Mid-Ebb	DS3	7:36:11	T	1.0	119.7	0.30	21.12	32.96	97.6	7.16	4.6	7.96	4
11/26/2009	Mid-Ebb	DS3	7:38:16	T	1.0	119.7	0.30	21.11	32.95	97.6	7.16	4.8	7.96	3
11/26/2009	Mid-Ebb	DS4	7:27:51	B	7.8	92.1	0.25	21.10	33.21	98.0	7.18	8.0	7.98	21
11/26/2009	Mid-Ebb	DS4	7:29:59	B	7.8	92.1	0.25	21.09	33.21	98.3	7.20	6.2	7.98	18
11/26/2009	Mid-Ebb	DS4	7:30:29	M	4.0	92.6	0.28	21.13	33.04	98.1	7.19	4.6	7.97	9
11/26/2009	Mid-Ebb	DS4	7:28:27	M	4.2	93.8	0.23	21.13	33.05	98.1	7.19	4.3	7.97	8
11/26/2009	Mid-Ebb	DS4	7:28:58	T	1.0	96.3	0.30	21.13	33.04	98.3	7.21	4.2	7.97	14
11/26/2009	Mid-Ebb	DS4	7:30:59	T	1.1	95.5	0.34	21.13	33.04	98.3	7.21	4.0	7.97	16
11/26/2009	Mid-Ebb	DS5	7:19:52	B	9.9	92.3	0.26	21.11	33.25	98.0	7.18	8.0	8.00	13
11/26/2009	Mid-Ebb	DS5	7:22:13	B	10.2	92.3	0.26	21.11	33.25	98.2	7.19	7.1	7.98	12
11/26/2009	Mid-Ebb	DS5	7:22:44	M	4.7	107.2	0.28	21.08	33.11	98.1	7.19	4.7	7.97	7
11/26/2009	Mid-Ebb	DS5	7:20:23	M	4.9	84.7	0.37	21.09	33.19	97.8	7.17	5.6	7.98	6
11/26/2009	Mid-Ebb	DS5	7:23:13	T	1.0	151.5	0.25	21.08	33.11	98.4	7.21	3.9	7.97	9
11/26/2009	Mid-Ebb	DS5	7:20:52	T	1.1	96.1	0.34	21.08	33.11	98.2	7.20	4.0	7.98	7
11/26/2009	Mid-Ebb	MW1	5:51:52	B	17.8	76.1	0.13	21.78	33.06	96.6	7.00	3.4	7.88	4

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11/26/2009	Mid-Ebb	MW1	5:54:15	B	18.3	57.5	0.21	21.78	33.07	87.7	6.35	3.9	7.90	4
11/26/2009	Mid-Ebb	MW1	5:52:44	M	9.8	82.3	0.19	21.83	33.07	90.3	6.53	3.0	7.90	5
11/26/2009	Mid-Ebb	MW1	5:54:51	M	10.0	41.3	0.19	21.82	33.07	87.9	6.36	3.2	7.91	3
11/26/2009	Mid-Ebb	MW1	5:55:30	T	0.9	54.4	0.12	21.87	33.07	88.4	6.39	2.9	7.91	3
11/26/2009	Mid-Ebb	MW1	5:53:21	T	1.0	60.9	0.13	21.86	33.07	88.8	6.42	3.1	7.90	3
11/26/2009	Mid-Ebb	US1	7:59:24	B	7.0	112.0	0.23	21.06	33.05	97.5	7.15	8.5	7.97	17
11/26/2009	Mid-Ebb	US1	8:01:27	B	7.0	109.8	0.28	21.06	33.03	97.1	7.12	7.8	7.96	15
11/26/2009	Mid-Ebb	US1	7:59:57	M	3.5	113.6	0.29	21.10	32.82	96.8	7.11	5.4	7.95	9
11/26/2009	Mid-Ebb	US1	8:01:55	M	3.7	122.8	0.28	21.10	32.82	96.6	7.09	5.5	7.95	9
11/26/2009	Mid-Ebb	US1	8:02:20	T	1.1	107.6	0.35	21.10	32.82	96.8	7.11	4.7	7.95	10
11/26/2009	Mid-Ebb	US1	8:00:25	T	1.2	114.6	0.36	21.10	32.82	96.9	7.11	4.8	7.95	12
11/26/2009	Mid-Ebb	US2	8:08:52	B	7.9	136.2	0.35	21.08	33.11	96.6	7.09	11.7	7.97	22
11/26/2009	Mid-Ebb	US2	8:06:53	B	8.1	203.8	0.29	21.09	33.11	97.3	7.14	10.9	7.97	21
11/26/2009	Mid-Ebb	US2	8:09:20	M	3.8	126.5	0.34	21.19	33.01	96.1	7.04	8.2	7.95	13
11/26/2009	Mid-Ebb	US2	8:07:22	M	3.9	126.5	0.34	21.26	32.96	96.7	7.08	6.9	7.95	11
11/26/2009	Mid-Ebb	US2	8:07:49	T	0.9	132.8	0.31	21.27	32.89	97.1	7.11	5.3	7.95	8
11/26/2009	Mid-Ebb	US2	8:09:46	T	1.1	126.9	0.33	21.28	32.89	97.1	7.11	5.2	7.95	8
11/26/2009	Mid-Flood	DS1	13:53:11	B	6.8	302.4	0.33	21.33	32.96	100.8	7.37	24.2	7.96	34
11/26/2009	Mid-Flood	DS1	13:55:27	B	6.9	302.4	0.33	21.38	32.96	101.3	7.40	21.5	7.97	38
11/26/2009	Mid-Flood	DS1	13:55:02	M	3.4	293.7	0.41	21.39	32.96	100.7	7.35	20.9	7.97	28
11/26/2009	Mid-Flood	DS1	13:52:46	M	3.5	293.7	0.41	21.46	32.98	101.9	7.43	19.2	7.97	24
11/26/2009	Mid-Flood	DS1	13:54:20	T	1.2	292.8	0.48	21.53	32.97	103.5	7.54	17.8	7.98	27
11/26/2009	Mid-Flood	DS1	13:52:18	T	1.4	292.8	0.48	21.51	32.98	102.4	7.45	18.4	7.98	28
11/26/2009	Mid-Flood	DS2	13:48:35	B	6.9	284.0	0.21	21.27	32.89	100.2	7.34	13.0	7.94	22
11/26/2009	Mid-Flood	DS2	13:46:32	B	6.9	307.0	0.09	21.27	32.90	100.3	7.34	12.0	7.95	25
11/26/2009	Mid-Flood	DS2	13:46:06	M	3.4	308.8	0.27	21.51	32.83	101.4	7.39	10.7	7.95	21
11/26/2009	Mid-Flood	DS2	13:48:05	M	3.4	308.8	0.27	21.40	32.86	100.4	7.33	12.9	7.95	20
11/26/2009	Mid-Flood	DS2	13:45:38	T	1.1	297.4	0.33	21.63	32.84	102.4	7.45	9.9	7.96	13
11/26/2009	Mid-Flood	DS2	13:47:35	T	1.2	297.4	0.33	21.50	32.84	101.6	7.41	10.3	7.95	12
11/26/2009	Mid-Flood	DS3	13:41:55	B	7.0	97.4	0.29	21.15	33.01	99.1	7.26	8.4	7.95	11
11/26/2009	Mid-Flood	DS3	13:40:02	B	7.1	331.2	0.19	21.15	33.01	99.3	7.28	7.3	7.94	10

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11/26/2009	Mid-Flood	DS3	13:41:30	M	3.4	285.5	0.26	21.44	32.71	100.5	7.34	7.3	7.94	12
11/26/2009	Mid-Flood	DS3	13:39:36	M	3.5	285.5	0.26	21.39	32.68	100.7	7.36	7.6	7.94	12
11/26/2009	Mid-Flood	DS3	13:41:02	T	1.0	290.9	0.34	21.54	32.69	101.8	7.43	5.5	7.95	10
11/26/2009	Mid-Flood	DS3	13:39:08	T	1.2	290.9	0.34	21.46	32.66	101.6	7.42	5.7	7.94	12
11/26/2009	Mid-Flood	DS4	13:33:33	B	6.9	316.8	0.20	21.14	32.90	100.4	7.36	5.6	7.93	10
11/26/2009	Mid-Flood	DS4	13:35:26	B	7.1	78.6	0.15	21.12	32.93	99.6	7.31	7.5	7.93	12
11/26/2009	Mid-Flood	DS4	13:33:07	M	3.5	319.5	0.19	21.35	32.62	99.9	7.31	5.6	7.95	7
11/26/2009	Mid-Flood	DS4	13:35:00	M	3.5	285.5	0.26	21.30	32.64	103.5	7.58	5.7	7.95	8
11/26/2009	Mid-Flood	DS4	13:32:40	T	0.9	275.6	0.25	21.45	32.60	107.1	7.82	4.9	7.95	8
11/26/2009	Mid-Flood	DS4	13:34:32	T	1.2	290.9	0.34	21.43	32.59	106.4	7.78	5.1	7.95	7
11/26/2009	Mid-Flood	DS5	13:28:49	B	6.8	58.5	0.22	21.11	32.91	99.6	7.31	5.8	7.92	7
11/26/2009	Mid-Flood	DS5	13:26:53	B	7.0	353.0	0.23	21.08	32.95	99.5	7.31	6.0	7.93	8
11/26/2009	Mid-Flood	DS5	13:28:23	M	3.4	291.5	0.21	21.16	32.74	98.7	7.24	5.5	7.91	10
11/26/2009	Mid-Flood	DS5	13:26:26	M	3.6	291.5	0.21	21.22	32.56	100.4	7.37	5.7	7.92	12
11/26/2009	Mid-Flood	DS5	13:27:54	T	1.1	297.8	0.30	21.23	32.57	100.3	7.36	5.6	7.91	7
11/26/2009	Mid-Flood	DS5	13:25:58	T	1.2	297.8	0.30	21.24	32.55	101.3	7.43	5.8	7.91	8
11/26/2009	Mid-Flood	MW1	15:16:38	B	18.1	68.6	0.10	21.75	33.08	91.6	6.64	4.1	7.85	6
11/26/2009	Mid-Flood	MW1	15:13:51	B	18.1	68.6	0.10	21.74	33.08	89.5	6.49	3.7	7.88	8
11/26/2009	Mid-Flood	MW1	15:13:16	M	9.7	110.2	0.10	21.74	33.08	89.4	6.48	3.8	7.86	8
11/26/2009	Mid-Flood	MW1	15:16:02	M	9.9	101.7	0.08	21.75	33.09	88.9	6.44	3.6	7.88	8
11/26/2009	Mid-Flood	MW1	15:12:40	T	0.8	67.7	0.15	21.79	33.08	89.3	6.46	3.4	7.88	8
11/26/2009	Mid-Flood	MW1	15:15:26	T	1.1	72.4	0.13	21.77	33.08	89.4	6.48	3.4	7.87	9
11/26/2009	Mid-Flood	US1	14:05:06	B	6.9	287.0	0.37	21.54	33.07	105.8	7.69	10.4	8.00	22
11/26/2009	Mid-Flood	US1	14:03:12	B	7.0	287.0	0.37	21.51	33.06	104.9	7.63	9.6	7.99	20
11/26/2009	Mid-Flood	US1	14:04:40	M	3.4	285.1	0.42	21.70	33.06	107.4	7.79	8.8	8.00	13
11/26/2009	Mid-Flood	US1	14:02:47	M	3.6	285.1	0.42	21.76	33.04	107.4	7.78	7.5	8.00	14
11/26/2009	Mid-Flood	US1	14:04:13	T	1.1	287.1	0.45	21.93	33.04	111.0	8.02	5.8	8.02	13
11/26/2009	Mid-Flood	US1	14:02:19	T	1.2	287.1	0.45	21.89	33.03	110.1	7.96	5.6	8.01	13
11/26/2009	Mid-Flood	US2	14:10:24	B	7.8	307.8	0.30	21.43	33.13	104.5	7.62	10.1	7.99	19
11/26/2009	Mid-Flood	US2	14:12:23	B	8.1	285.3	0.22	21.41	33.13	104.1	7.59	9.5	7.99	20
11/26/2009	Mid-Flood	US2	14:11:56	M	3.9	294.8	0.41	21.53	33.14	105.0	7.64	7.4	8.00	14

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11/26/2009	Mid-Flood	US2	14:09:56	M	4.0	290.6	0.38	21.52	33.14	105.4	7.66	7.0	8.00	12
11/26/2009	Mid-Flood	US2	14:11:27	T	1.0	279.9	0.47	21.77	33.10	112.9	8.18	4.7	8.03	11
11/26/2009	Mid-Flood	US2	14:09:27	T	1.1	275.1	0.42	21.79	33.10	112.9	8.17	4.9	8.03	12