

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	Weather	Sea Condition	Suspended Solids (mg/L)
2009/10/08	ME	DS1	15:17:59	B	6.1	116.4	0.36	28.70	31.42	85.2	5.53	14.5	7.72	Sunny	0.1M	29
2009/10/08	ME	DS1	15:23:41	B	6.0	113.9	0.47	28.69	31.38	84.8	5.51	12.5	7.72	Sunny	0.1M	31
2009/10/08	ME	DS1	15:18:48	M	4.1	113.6	0.36	28.80	31.37	86.2	5.59	8.7	7.73	Sunny	0.1M	11
2009/10/08	ME	DS1	15:25:25	M	3.9	140.2	0.46	28.71	31.40	85.1	5.53	10.1	7.72	Sunny	0.1M	11
2009/10/08	ME	DS1	15:19:47	T	1.3	106.1	0.46	28.86	31.34	86.9	5.64	7.0	7.73	Sunny	0.1M	17
2009/10/08	ME	DS1	15:26:15	T	1.3	106.1	0.48	28.74	31.36	85.2	5.53	9.2	7.71	Sunny	0.1M	17
2009/10/08	ME	DS2	15:00:08	B	7.9	88.8	0.24	28.60	31.46	81.9	5.33	20.1	7.70	Sunny	0.1M	27
2009/10/08	ME	DS2	15:05:00	B	8.1	108.8	0.39	28.61	31.46	81.9	5.33	24.5	7.71	Sunny	0.1M	26
2009/10/08	ME	DS2	15:01:02	M	5.1	136.2	0.41	28.62	31.46	82.1	5.34	12.4	7.71	Sunny	0.1M	17
2009/10/08	ME	DS2	15:05:54	M	5.1	107.6	0.39	28.63	31.46	82.4	5.36	14.6	7.71	Sunny	0.1M	17
2009/10/08	ME	DS2	15:01:51	T	1.6	120.1	0.49	28.92	31.48	85.5	5.53	6.0	7.73	Sunny	0.1M	7
2009/10/08	ME	DS2	15:06:54	T	1.3	124.1	0.48	29.08	31.48	87.5	5.64	4.9	7.74	Sunny	0.1M	7
2009/10/08	ME	DS3	14:46:40	B	8.2	83.8	0.39	28.53	31.48	81.3	5.30	20.0	7.70	Sunny	0.1M	22
2009/10/08	ME	DS3	14:52:23	B	8.0	130.6	0.27	28.58	31.46	80.8	5.26	25.8	7.71	Sunny	0.1M	23
2009/10/08	ME	DS3	14:47:30	M	5.1	131.9	0.31	28.58	31.47	80.7	5.25	13.9	7.70	Sunny	0.1M	18
2009/10/08	ME	DS3	14:53:20	M	5.1	84.1	0.18	28.60	31.45	81.1	5.28	11.6	7.71	Sunny	0.1M	17
2009/10/08	ME	DS3	14:48:32	T	1.3	137.9	0.49	28.97	31.44	85.6	5.54	6.4	7.72	Sunny	0.1M	11
2009/10/08	ME	DS3	14:54:10	T	1.4	137.9	0.49	28.98	31.44	86.1	5.57	6.0	7.73	Sunny	0.1M	10
2009/10/08	ME	DS4	14:04:48	B	12.0	99.5	0.09	28.51	31.52	82.4	5.37	11.2	7.66	Sunny	0.1M	13
2009/10/08	ME	DS4	14:22:45	B	12.1	97.0	0.14	28.50	31.54	81.9	5.33	15.0	7.67	Sunny	0.1M	12
2009/10/08	ME	DS4	14:00:48	M	7.0	108.7	0.17	28.56	31.47	81.8	5.32	12.6	7.67	Sunny	0.1M	15
2009/10/08	ME	DS4	14:05:41	M	7.0	87.2	0.16	28.57	31.48	81.6	5.31	11.7	7.66	Sunny	0.1M	15
2009/10/08	ME	DS4	14:01:37	T	1.5	88.8	0.25	28.71	31.42	82.1	5.33	8.7	7.66	Sunny	0.1M	10
2009/10/08	ME	DS4	14:06:32	T	1.3	105.7	0.21	28.76	31.43	82.9	5.38	7.9	7.65	Sunny	0.1M	10
2009/10/08	ME	DS5	13:47:15	B	8.0	71.8	0.15	28.53	31.54	83.7	5.45	12.6	7.63	Sunny	0.1M	19
2009/10/08	ME	DS5	13:51:11	B	8.0	110.5	0.11	28.52	31.54	83.3	5.42	12.0	7.63	Sunny	0.1M	17
2009/10/08	ME	DS5	13:48:00	M	5.1	71.4	0.19	28.61	31.56	83.7	5.44	10.4	7.65	Sunny	0.1M	15
2009/10/08	ME	DS5	13:51:54	M	5.1	67.2	0.20	28.56	31.55	83.1	5.40	10.8	7.64	Sunny	0.1M	16

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2009/10/08	ME	DS5	13:48:50	T	1.5	86.3	0.23	28.92	31.47	85.7	5.55	6.8	7.65	Sunny	0.1M	10
2009/10/08	ME	DS5	13:52:41	T	1.1	88.8	0.25	28.80	31.47	84.8	5.50	7.5	7.65	Sunny	0.1M	11
2009/10/08	ME	MW1	17:09:45	B	17.9	88.4	0.11	28.64	31.80	76.4	4.96	13.9	7.64	Sunny	0.1M	20
2009/10/08	ME	MW1	17:14:37	B	17.9	27.8	0.16	28.65	31.79	75.9	4.92	13.7	7.67	Sunny	0.1M	19
2009/10/08	ME	MW1	17:10:43	M	10.5	88.2	0.26	28.66	31.79	76.4	4.96	12.4	7.65	Sunny	0.1M	17
2009/10/08	ME	MW1	17:15:36	M	10.5	83.2	0.15	28.64	31.79	75.9	4.92	13.3	7.67	Sunny	0.1M	17
2009/10/08	ME	MW1	17:11:43	T	1.4	100.9	0.27	28.70	31.76	78.4	5.09	9.4	7.66	Sunny	0.1M	11
2009/10/08	ME	MW1	17:16:33	T	1.3	102.2	0.39	28.74	31.74	79.8	5.17	6.0	7.68	Sunny	0.1M	13
2009/10/08	ME	US1	15:34:12	B	6.0	135.6	0.43	28.58	31.38	85.2	5.55	35.6	7.73	Sunny	0.1M	40
2009/10/08	ME	US1	15:50:40	B	6.0	122.7	0.35	28.53	31.46	85.7	5.58	32.6	7.74	Sunny	0.1M	40
2009/10/08	ME	US1	15:35:01	M	4.0	106.5	0.38	28.62	31.38	85.7	5.58	29.5	7.74	Sunny	0.1M	35
2009/10/08	ME	US1	15:52:17	M	4.3	135.4	0.39	28.52	31.46	85.7	5.58	32.3	7.74	Sunny	0.1M	32
2009/10/08	ME	US1	15:42:50	T	1.3	117.9	0.42	28.72	31.28	86.2	5.60	17.7	7.73	Sunny	0.1M	14
2009/10/08	ME	US1	15:53:21	T	1.2	132.0	0.47	28.78	31.19	85.1	5.53	11.1	7.71	Sunny	0.1M	14
2009/10/08	ME	US2	16:06:44	B	5.8	123.9	0.34	28.63	31.34	85.2	5.54	33.0	7.72	Sunny	0.1M	52
2009/10/08	ME	US2	16:09:36	B	5.9	138.1	0.33	28.62	31.36	84.8	5.52	34.1	7.72	Sunny	0.1M	48
2009/10/08	ME	US2	16:07:29	M	3.7	142.4	0.39	28.75	31.24	85.3	5.54	17.6	7.72	Sunny	0.1M	16
2009/10/08	ME	US2	16:10:27	M	3.9	137.0	0.31	28.72	31.27	84.8	5.51	17.4	7.72	Sunny	0.1M	17
2009/10/08	ME	US2	16:08:09	T	1.7	145.9	0.42	28.85	31.17	86.0	5.58	9.4	7.71	Sunny	0.1M	12
2009/10/08	ME	US2	16:11:11	T	1.4	145.0	0.36	28.86	31.15	86.0	5.58	8.5	7.71	Sunny	0.1M	12
2009/10/08	MF	DS1	10:18:33	B	6.0	346.8	0.19	28.48	31.41	81.9	5.34	26.6	7.76	Sunny	0.1M	27
2009/10/08	MF	DS1	10:22:33	B	6.0	331.4	0.29	28.49	31.41	83.3	5.43	20.6	7.77	Sunny	0.1M	27
2009/10/08	MF	DS1	10:19:32	M	4.0	330.6	0.35	28.55	31.36	82.1	5.35	16.3	7.76	Sunny	0.1M	29
2009/10/08	MF	DS1	10:23:21	M	4.0	317.9	0.37	28.51	31.40	82.0	5.35	18.7	7.77	Sunny	0.1M	27
2009/10/08	MF	DS1	10:20:29	T	1.3	316.0	0.46	28.60	31.33	82.4	5.37	12.7	7.77	Sunny	0.1M	15
2009/10/08	MF	DS1	10:24:15	T	1.3	294.4	0.50	28.59	31.37	82.8	5.39	12.6	7.77	Sunny	0.1M	13
2009/10/08	MF	DS2	10:07:16	B	7.0	322.6	0.30	28.53	31.32	80.7	5.26	27.8	7.76	Sunny	0.1M	29
2009/10/08	MF	DS2	10:11:18	B	7.0	329.9	0.30	28.53	31.32	81.0	5.28	23.6	7.77	Sunny	0.1M	30

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2009/10/08	MF	DS2	10:08:14	M	4.6	331.8	0.39	28.56	31.29	80.6	5.25	16.0	7.78	Sunny	0.1M	15
2009/10/08	MF	DS2	10:12:25	M	4.5	318.0	0.38	28.54	31.31	80.7	5.26	17.3	7.77	Sunny	0.1M	16
2009/10/08	MF	DS2	10:09:06	T	1.3	320.8	0.41	28.64	31.23	81.0	5.27	10.1	7.77	Sunny	0.1M	15
2009/10/08	MF	DS2	10:13:20	T	1.3	316.0	0.46	28.66	31.24	81.4	5.30	9.6	7.76	Sunny	0.1M	14
2009/10/08	MF	DS3	9:54:40	B	8.0	339.9	0.41	28.63	31.20	79.3	5.16	21.3	7.73	Sunny	0.1M	28
2009/10/08	MF	DS3	9:58:33	B	8.0	339.9	0.41	28.62	31.22	81.7	5.32	25.7	7.75	Sunny	0.1M	27
2009/10/08	MF	DS3	9:55:30	M	5.0	344.8	0.50	28.63	31.21	79.1	5.15	16.6	7.75	Sunny	0.1M	28
2009/10/08	MF	DS3	9:59:38	M	5.0	344.8	0.50	28.64	31.22	79.0	5.14	15.7	7.75	Sunny	0.1M	29
2009/10/08	MF	DS3	9:56:31	T	1.4	316.9	0.41	28.65	31.21	79.4	5.17	15.1	7.75	Sunny	0.1M	13
2009/10/08	MF	DS3	10:00:29	T	1.3	316.9	0.41	28.71	31.10	79.3	5.16	11.2	7.74	Sunny	0.1M	15
2009/10/08	MF	DS4	9:43:38	B	8.0	337.2	0.34	28.73	30.98	79.2	5.15	32.2	7.70	Sunny	0.1M	38
2009/10/08	MF	DS4	9:47:46	B	8.0	338.7	0.35	28.72	30.99	75.7	4.92	30.4	7.72	Sunny	0.1M	38
2009/10/08	MF	DS4	9:44:35	M	5.0	339.6	0.35	28.72	30.99	75.1	4.89	24.5	7.72	Sunny	0.1M	24
2009/10/08	MF	DS4	9:48:43	M	5.0	351.9	0.39	28.72	30.99	75.7	4.92	24.6	7.73	Sunny	0.1M	24
2009/10/08	MF	DS4	9:45:42	T	1.3	339.6	0.43	28.74	30.98	77.4	5.03	9.8	7.73	Sunny	0.1M	11
2009/10/08	MF	DS4	9:49:54	T	1.2	342.9	0.36	28.77	31.00	76.5	4.97	14.5	7.73	Sunny	0.1M	12
2009/10/08	MF	DS5	9:31:53	B	9.0	14.4	0.30	28.78	30.90	73.8	4.80	26.3	7.67	Sunny	0.1M	32
2009/10/08	MF	DS5	9:36:43	B	9.0	353.2	0.27	28.76	30.93	73.3	4.77	24.0	7.71	Sunny	0.1M	33
2009/10/08	MF	DS5	9:32:53	M	5.3	359.7	0.38	28.77	30.89	74.0	4.82	12.5	7.70	Sunny	0.1M	22
2009/10/08	MF	DS5	9:37:50	M	5.5	342.1	0.40	28.75	30.93	73.5	4.79	13.2	7.71	Sunny	0.1M	19
2009/10/08	MF	DS5	9:33:49	T	1.3	326.2	0.27	28.76	30.79	74.3	4.84	10.7	7.72	Sunny	0.1M	9
2009/10/08	MF	DS5	9:38:51	T	1.4	339.6	0.43	28.77	30.81	77.8	5.07	6.5	7.74	Sunny	0.1M	9
2009/10/08	MF	MW1	7:45:22	B	18.1	66.6	0.13	28.57	31.69	75.6	4.91	21.7	7.72	Sunny	0.1M	28
2009/10/08	MF	MW1	7:49:34	B	18.1	89.1	0.20	28.57	31.71	74.6	4.85	21.0	7.81	Sunny	0.1M	27
2009/10/08	MF	MW1	7:46:25	M	10.2	75.2	0.13	28.57	31.70	75.4	4.90	18.3	7.76	Sunny	0.1M	29
2009/10/08	MF	MW1	7:50:36	M	9.9	116.0	0.17	28.57	31.72	74.2	4.83	21.7	7.81	Sunny	0.1M	30
2009/10/08	MF	MW1	7:47:26	T	1.1	61.9	0.14	28.56	31.70	76.0	4.94	11.1	7.79	Sunny	0.1M	11
2009/10/08	MF	MW1	7:51:38	T	1.3	63.7	0.23	28.57	31.71	74.9	4.86	15.2	7.82	Sunny	0.1M	13

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2009/10/08	MF	US1	10:34:31	B	6.0	306.0	0.35	28.46	31.50	83.1	5.41	35.6	7.80	Sunny	0.1M	43
2009/10/08	MF	US1	10:38:37	B	5.9	305.3	0.32	28.46	31.51	83.0	5.41	39.0	7.81	Sunny	0.1M	46
2009/10/08	MF	US1	10:35:25	M	4.0	300.6	0.39	28.46	31.50	83.0	5.41	32.1	7.80	Sunny	0.1M	48
2009/10/08	MF	US1	10:41:36	M	4.1	298.5	0.39	28.48	31.53	83.0	5.41	31.7	7.80	Sunny	0.1M	52
2009/10/08	MF	US1	10:36:27	T	1.3	310.5	0.46	28.59	31.48	83.6	5.44	17.1	7.80	Sunny	0.1M	23
2009/10/08	MF	US1	10:40:42	T	1.3	346.6	0.35	28.48	31.53	83.3	5.43	28.9	7.80	Sunny	0.1M	25
2009/10/08	MF	US2	10:49:13	B	7.0	301.3	0.30	28.44	31.53	82.9	5.40	40.4	7.79	Sunny	0.1M	60
2009/10/08	MF	US2	10:53:39	B	7.0	327.6	0.34	28.44	31.54	82.8	5.40	42.1	7.78	Sunny	0.1M	62
2009/10/08	MF	US2	10:50:06	M	4.6	304.0	0.40	28.45	31.53	82.9	5.40	37.1	7.80	Sunny	0.1M	46
2009/10/08	MF	US2	10:54:25	M	4.5	304.6	0.37	28.48	31.53	83.0	5.41	27.7	7.78	Sunny	0.1M	46
2009/10/08	MF	US2	10:50:59	T	1.3	306.1	0.48	28.49	31.53	83.2	5.42	22.1	7.80	Sunny	0.1M	20
2009/10/08	MF	US2	10:55:51	T	1.4	313.1	0.42	28.51	31.53	83.4	5.43	18.6	7.79	Sunny	0.1M	17