

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	SS (mg/L)
2013/03/16	MF	DS1	10:11:56	B	9.9	297.4	0.50	20.25	29.23	90.9	6.92	15.5	7.87	14
2013/03/16	MF	DS1	10:13:09	M	5.9	312.5	0.71	20.36	28.96	91.4	6.96	8.7	7.87	14
2013/03/16	MF	DS1	10:14:20	T	0.9	269.2	0.78	20.44	28.88	92.2	7.01	13.6	7.87	14
2013/03/16	MF	DS1	10:15:31	B	9.8	289.8	0.50	20.33	29.04	91.1	6.94	13.6	7.87	14
2013/03/16	MF	DS1	10:16:34	M	6.0	348.1	0.26	20.39	28.92	91.4	6.96	9.7	7.87	13
2013/03/16	MF	DS1	10:18:17	T	1.1	283.1	0.63	20.40	28.88	91.0	6.93	7.3	7.87	14
2013/03/16	MF	DS2	09:59:55	B	9.1	288.5	0.87	20.21	29.41	92.9	7.07	11.7	7.86	20
2013/03/16	MF	DS2	10:00:54	M	5.7	315.6	0.38	20.38	28.83	92.0	7.01	3.9	7.86	18
2013/03/16	MF	DS2	10:01:37	T	0.8	303.2	0.79	20.49	28.65	93.0	7.08	2.8	7.87	9
2013/03/16	MF	DS2	10:02:28	B	9.2	269.3	0.66	20.21	29.42	91.2	6.94	11.9	7.87	9
2013/03/16	MF	DS2	10:03:31	M	5.3	271.2	0.80	20.33	29.04	92.0	7.00	6.8	7.86	5
2013/03/16	MF	DS2	10:04:44	T	1.2	299.5	0.63	20.45	28.80	92.2	7.01	5.2	7.87	4
2013/03/16	MF	DS3	09:49:24	B	12.2	280.8	0.31	20.33	29.01	91.5	6.96	10.5	7.86	14
2013/03/16	MF	DS3	09:50:10	M	6.9	294.8	0.73	20.39	28.80	91.5	6.97	9.1	7.87	14
2013/03/16	MF	DS3	09:51:35	T	0.8	3.4	0.15	20.49	28.61	93.4	7.11	4.8	7.87	9
2013/03/16	MF	DS3	09:52:32	B	12.2	295.0	0.32	20.32	29.07	91.4	6.96	9.4	7.87	10
2013/03/16	MF	DS3	09:53:18	M	6.9	327.9	0.46	20.36	28.90	91.1	6.94	9.2	7.87	6
2013/03/16	MF	DS3	09:54:09	T	1.1	298.9	0.59	20.52	28.59	92.2	7.01	4.8	7.87	6
2013/03/16	MF	DS4	09:38:58	B	8.6	281.8	0.71	20.16	29.60	92.4	7.03	8.9	7.86	14
2013/03/16	MF	DS4	09:39:49	M	5.6	297.5	0.76	20.43	28.74	92.0	7.00	8.3	7.87	15
2013/03/16	MF	DS4	09:40:46	T	1.3	276.5	0.57	20.52	28.51	92.3	7.02	4.8	7.87	11
2013/03/16	MF	DS4	09:41:37	B	9.0	290.6	0.57	20.17	29.55	91.0	6.92	8.9	7.87	11
2013/03/16	MF	DS4	09:42:18	M	5.5	294.0	0.98	20.43	28.73	91.7	6.98	7.6	7.88	7
2013/03/16	MF	DS4	09:43:29	T	1.1	290.6	0.75	20.53	28.43	92.3	7.02	4.5	7.87	7
2013/03/16	MF	DS5	09:28:39	B	9.0	305.3	0.65	20.31	29.14	92.0	7.00	14.6	7.89	24
2013/03/16	MF	DS5	09:29:36	M	5.4	322.6	0.56	20.43	28.75	91.8	6.99	10.1	7.89	23
2013/03/16	MF	DS5	09:30:52	T	1.1	308.6	0.47	20.54	28.41	91.4	6.96	4.2	7.88	16
2013/03/16	MF	DS5	09:31:58	B	8.6	299.0	0.69	20.29	29.19	92.0	7.01	16.3	7.89	16
2013/03/16	MF	DS5	09:32:55	M	5.3	338.9	0.47	20.41	28.81	92.0	7.01	11.8	7.88	7
2013/03/16	MF	DS5	09:33:59	T	1.1	315.7	0.82	20.52	28.51	91.8	6.99	4.9	7.87	5
2013/03/16	MF	US1	10:25:43	B	7.9	271.4	0.42	20.30	29.13	92.2	7.02	15.6	7.87	16
2013/03/16	MF	US1	10:26:32	M	4.7	281.2	0.67	20.33	29.02	91.6	6.98	10.4	7.87	15
2013/03/16	MF	US1	10:27:47	T	0.9	322.5	0.52	20.41	28.91	92.0	7.00	5.6	7.87	10
2013/03/16	MF	US1	10:28:36	B	8.2	252.7	0.35	20.32	29.07	91.8	6.99	11.4	7.87	11
2013/03/16	MF	US1	10:29:23	M	4.8	301.1	0.39	20.33	29.02	91.6	6.98	10.3	7.87	8
2013/03/16	MF	US1	10:30:11	T	0.9	310.2	0.43	20.43	28.91	92.3	7.02	5.9	7.87	7
2013/03/16	MF	US2	10:34:46	B	8.5	343.3	0.50	20.35	29.17	93.0	7.07	8.4	7.87	11
2013/03/16	MF	US2	10:35:42	M	5.0	278.8	0.21	20.40	29.05	92.7	7.04	7.0	7.87	10
2013/03/16	MF	US2	10:36:30	T	1.1	231.7	0.39	20.42	28.96	92.2	7.01	5.8	7.87	8
2013/03/16	MF	US2	10:37:47	B	8.0	290.2	0.19	20.36	29.14	92.4	7.02	8.4	7.86	7
2013/03/16	MF	US2	10:38:27	M	4.4	269.8	0.34	20.40	29.00	92.7	7.05	6.5	7.86	8
2013/03/16	MF	US2	10:39:14	T	1.3	258.3	0.34	20.39	28.94	92.5	7.04	5.3	7.86	7
2013/03/16	MF	MW1	08:06:26	B	19.2	82.2	0.40	20.05	29.97	91.0	6.92	1.9	7.83	5
2013/03/16	MF	MW1	08:07:13	M	10.5	81.8	0.50	20.12	29.65	91.8	6.99	1.7	7.84	5
2013/03/16	MF	MW1	08:08:20	T	1.3	158.7	0.48	20.12	29.62	91.7	6.98	1.7	7.84	3
2013/03/16	MF	MW1	08:09:13	B	18.6	350.5	0.59	20.04	30.01	90.8	6.91	2.8	7.84	3
2013/03/16	MF	MW1	08:10:49	M	10.3	88.8	0.71	20.12	29.63	91.4	6.96	1.5	7.85	3
2013/03/16	MF	MW1	08:12:07	T	1.1	15.8	0.35	20.12	29.66	91.7	6.98	1.5	7.85	3

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2013/03/16	ME	DS1	14:57:46	B	7.8	87.1	0.48	20.33	29.15	95.3	7.25	7.0	7.89	10
2013/03/16	ME	DS1	14:58:42	M	5.0	83.1	0.33	20.33	29.15	93.4	7.10	6.8	7.89	9
2013/03/16	ME	DS1	14:59:29	T	1.1	108.7	0.29	20.55	28.88	95.0	7.21	5.2	7.90	9
2013/03/16	ME	DS1	15:00:28	B	7.9	75.9	0.49	20.32	29.18	93.4	7.10	7.4	7.88	8
2013/03/16	ME	DS1	15:01:10	M	5.0	114.0	0.43	20.36	29.08	93.6	7.12	6.6	7.88	6
2013/03/16	ME	DS1	15:02:08	T	1.0	144.9	0.56	20.49	28.94	95.0	7.21	5.3	7.89	6
2013/03/16	ME	DS2	15:07:37	B	8.2	75.7	0.12	20.22	29.53	93.1	7.08	7.7	7.88	9
2013/03/16	ME	DS2	15:08:35	M	4.9	146.7	0.52	20.39	29.09	94.1	7.15	5.7	7.89	10
2013/03/16	ME	DS2	15:09:32	T	1.1	173.1	0.60	20.84	28.62	97.1	7.34	3.8	7.91	7
2013/03/16	ME	DS2	15:10:20	B	8.2	55.5	0.16	20.26	29.43	93.3	7.10	7.0	7.89	6
2013/03/16	ME	DS2	15:11:31	M	4.9	106.4	0.38	20.52	28.98	95.7	7.26	4.1	7.90	5
2013/03/16	ME	DS2	15:12:49	T	1.1	78.3	0.57	20.86	28.61	97.1	7.34	4.0	7.91	4
2013/03/16	ME	DS3	15:17:14	B	6.7	109.1	0.50	20.28	29.35	95.3	7.25	6.7	7.87	6
2013/03/16	ME	DS3	15:18:29	M	4.4	69.9	0.38	20.44	29.10	94.8	7.20	4.2	7.89	6
2013/03/16	ME	DS3	15:19:24	T	1.2	97.1	0.19	20.77	28.86	96.9	7.33	4.0	7.90	5
2013/03/16	ME	DS3	15:20:17	B	7.2	80.4	0.44	20.25	29.46	93.7	7.13	5.3	7.89	4
2013/03/16	ME	DS3	15:21:27	M	4.5	135.3	0.59	20.47	29.05	95.0	7.22	4.2	7.89	5
2013/03/16	ME	DS3	15:22:27	T	1.1	16.7	0.11	20.86	28.80	97.3	7.35	3.8	7.90	6
2013/03/16	ME	DS4	15:27:54	B	6.1	94.7	0.54	20.24	29.50	95.2	7.24	5.6	7.87	5
2013/03/16	ME	DS4	15:29:04	M	4.2	98.3	0.42	20.77	28.91	97.0	7.33	3.9	7.89	6
2013/03/16	ME	DS4	15:29:53	T	1.0	105.9	0.13	20.91	28.81	98.1	7.40	4.3	7.90	5
2013/03/16	ME	DS4	15:30:47	B	6.1	111.5	0.50	20.35	29.33	94.3	7.16	4.4	7.88	5
2013/03/16	ME	DS4	15:31:43	M	4.2	138.1	0.32	20.80	28.89	96.9	7.32	4.2	7.89	6
2013/03/16	ME	DS4	15:33:01	T	1.0	127.3	0.25	20.82	28.89	97.6	7.37	4.5	7.90	6
2013/03/16	ME	DS5	15:42:47	B	5.0	93.5	0.57	20.41	29.22	96.2	7.30	4.5	7.88	5
2013/03/16	ME	DS5	15:43:50	M	3.5	55.1	0.42	20.77	28.89	96.9	7.32	3.9	7.89	5
2013/03/16	ME	DS5	15:44:37	T	1.1	37.5	0.34	21.05	28.60	98.8	7.44	3.6	7.90	4
2013/03/16	ME	DS5	15:45:29	B	5.0	85.4	0.26	20.50	29.12	95.9	7.27	4.0	7.89	5
2013/03/16	ME	DS5	15:46:14	M	3.6	43.4	0.56	20.77	28.88	97.1	7.34	3.5	7.90	4
2013/03/16	ME	DS5	15:47:11	T	1.0	344.5	0.06	21.09	28.59	99.1	7.46	3.5	7.90	4
2013/03/16	ME	US1	14:46:52	B	10.2	92.4	0.64	20.32	29.17	93.8	7.14	12.5	7.87	14
2013/03/16	ME	US1	14:48:07	M	6.2	95.6	0.52	20.35	29.11	93.4	7.11	8.3	7.88	13
2013/03/16	ME	US1	14:49:07	T	1.1	119.7	0.62	20.60	28.87	95.4	7.24	5.4	7.89	9
2013/03/16	ME	US1	14:50:22	B	10.5	119.2	0.40	20.32	29.17	93.3	7.10	11.7	7.88	10
2013/03/16	ME	US1	14:51:12	M	6.1	98.4	0.51	20.35	29.10	93.8	7.14	8.4	7.88	5
2013/03/16	ME	US1	14:52:40	T	1.1	182.7	0.32	20.62	28.87	95.8	7.26	4.8	7.89	6
2013/03/16	ME	US2	14:35:27	B	9.1	123.2	0.35	20.31	29.18	94.0	7.15	9.1	7.84	13
2013/03/16	ME	US2	14:37:00	M	5.4	88.3	0.43	20.34	29.13	93.7	7.13	9.7	7.86	13
2013/03/16	ME	US2	14:38:02	T	0.9	242.6	0.06	20.51	28.94	95.3	7.24	6.0	7.87	14
2013/03/16	ME	US2	14:39:11	B	8.6	94.2	0.37	20.31	29.19	92.9	7.07	10.0	7.86	14
2013/03/16	ME	US2	14:39:55	M	5.7	85.9	0.34	20.33	29.15	93.3	7.10	9.4	7.87	6
2013/03/16	ME	US2	14:40:35	T	0.9	92.6	0.45	20.41	29.03	94.1	7.16	7.1	7.87	7
2013/03/16	ME	MW1	16:35:38	B	18.6	337.3	0.41	20.17	30.29	95.5	7.24	1.9	7.90	3
2013/03/16	ME	MW1	16:37:01	M	10.8	51.2	0.49	20.19	30.20	94.6	7.17	1.8	7.87	4
2013/03/16	ME	MW1	16:37:45	T	0.7	73.9	0.74	20.67	29.66	96.4	7.26	1.6	7.86	4
2013/03/16	ME	MW1	16:38:52	B	19.2	20.1	0.21	20.17	30.21	94.3	7.15	2.6	7.84	4
2013/03/16	ME	MW1	16:39:44	M	10.8	127.6	0.36	20.15	30.22	94.2	7.15	1.9	7.84	2
2013/03/16	ME	MW1	16:40:33	T	1.1	89.5	0.44	20.64	29.71	96.5	7.27	1.7	7.85	4