

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)
29-08-2012	MF	DS1	18:08:42	B	8.2	249.9	0.35	27.88	26.98	63.4	4.28	22.6	7.70	21
29-08-2012	MF	DS1	18:09:37	M	4.4	275.3	0.49	28.48	24.50	74.0	5.01	12.4	7.75	12
29-08-2012	MF	DS1	18:10:32	T	0.9	20.8	0.16	29.00	22.51	88.6	6.02	8.7	7.82	6
29-08-2012	MF	DS1	18:14:12	B	8.3	202.6	0.13	28.02	26.42	66.7	4.50	15.7	7.70	21
29-08-2012	MF	DS1	18:14:53	M	4.5	326.6	0.43	28.66	23.76	77.0	5.22	11.0	7.75	11
29-08-2012	MF	DS1	18:15:45	T	1.2	333.7	0.35	29.09	22.20	91.7	6.23	4.9	7.82	6
29-08-2012	MF	DS2	17:57:48	B	10.2	237.3	0.34	27.94	26.81	64.3	4.34	57.0	7.70	64
29-08-2012	MF	DS2	17:58:54	M	5.5	23.6	0.37	28.50	24.44	70.8	4.80	24.7	7.73	16
29-08-2012	MF	DS2	17:59:47	T	0.9	12.9	0.49	29.27	22.07	92.9	6.29	6.5	7.83	5
29-08-2012	MF	DS2	18:01:31	B	10.1	181.9	0.27	27.93	26.83	66.5	4.49	65.6	7.70	21
29-08-2012	MF	DS2	18:02:58	M	5.2	332.8	0.69	28.57	24.25	73.8	5.00	21.0	7.75	17
29-08-2012	MF	DS2	18:03:52	T	1.2	273.8	0.18	29.24	22.18	95.2	6.45	5.6	7.85	5
29-08-2012	MF	DS3	17:41:04	B	21.2	50.8	0.27	27.44	28.32	56.8	3.83	20.2	7.65	18
29-08-2012	MF	DS3	17:41:52	M	11.2	328.1	0.26	27.89	26.91	60.9	4.11	20.6	7.67	23
29-08-2012	MF	DS3	17:43:10	T	1.1	292.3	0.55	29.29	21.94	92.5	6.27	5.5	7.80	3
29-08-2012	MF	DS3	17:44:09	B	21.0	92.5	0.32	27.55	28.04	59.0	3.98	18.7	7.67	18
29-08-2012	MF	DS3	17:44:59	M	11.3	20.5	0.07	27.90	26.91	61.4	4.14	19.2	7.67	21
29-08-2012	MF	DS3	17:46:34	T	1.2	310.6	0.55	29.27	22.11	92.7	6.28	5.0	7.81	3
29-08-2012	MF	DS4	17:30:54	B	27.2	79.0	0.17	27.50	28.17	56.6	3.82	12.2	7.63	9
29-08-2012	MF	DS4	17:32:11	M	14.1	228.8	0.09	28.12	26.01	64.9	4.39	13.1	7.66	13
29-08-2012	MF	DS4	17:33:12	T	1.0	312.9	0.19	29.20	22.02	83.9	5.69	7.2	7.73	6
29-08-2012	MF	DS4	17:34:11	B	27.0	79.0	0.17	27.52	28.13	58.4	3.94	13.5	7.64	10
29-08-2012	MF	DS4	17:35:14	M	13.9	183.3	0.14	28.14	25.95	65.2	4.41	12.9	7.67	14
29-08-2012	MF	DS4	17:36:11	T	0.9	17.0	0.86	29.33	21.43	83.5	5.67	7.5	7.73	6
29-08-2012	MF	DS5	17:22:05	B	8.1	245.9	0.10	28.30	25.29	69.9	4.73	12.6	7.65	15
29-08-2012	MF	DS5	17:22:49	M	4.4	324.8	0.24	29.02	22.50	78.2	5.31	8.8	7.67	8
29-08-2012	MF	DS5	17:23:30	T	0.8	337.8	0.29	29.52	20.79	84.8	5.77	7.0	7.69	7
29-08-2012	MF	DS5	17:24:33	B	7.8	299.1	0.29	28.35	25.09	71.1	4.81	11.7	7.66	15
29-08-2012	MF	DS5	17:25:25	M	4.5	32.6	0.19	29.10	22.16	78.9	5.36	8.1	7.67	9
29-08-2012	MF	DS5	17:26:08	T	1.0	291.7	0.48	29.46	21.04	84.0	5.71	6.8	7.69	8
29-08-2012	MF	MW1	19:29:24	B	20.3	182.7	0.09	27.29	29.35	66.8	4.50	13.8	7.71	11
29-08-2012	MF	MW1	19:30:37	M	10.6	291.3	0.25	27.45	28.74	67.7	4.55	10.0	7.69	15
29-08-2012	MF	MW1	19:31:34	T	0.8	29.6	0.16	27.95	26.96	74.1	4.99	6.3	7.72	6
29-08-2012	MF	MW1	19:32:44	B	20.2	182.7	0.09	27.27	29.32	65.8	4.43	12.2	7.69	13
29-08-2012	MF	MW1	19:34:12	M	10.5	59.9	0.31	27.34	29.23	67.3	4.53	12.5	7.69	16
29-08-2012	MF	MW1	19:34:57	T	1.3	304.3	0.17	27.86	27.26	72.2	4.86	8.1	7.71	6
29-08-2012	MF	US1	18:21:10	B	13.0	42.9	0.24	27.97	26.72	64.5	4.35	21.2	7.71	23
29-08-2012	MF	US1	18:22:04	M	6.9	291.7	0.16	28.27	25.61	70.4	4.75	15.3	7.74	18
29-08-2012	MF	US1	18:23:12	T	0.9	277.8	0.38	29.14	22.15	93.2	6.33	4.1	7.83	4
29-08-2012	MF	US1	18:24:30	M	13.0	196.2	0.27	28.04	26.48	66.0	4.46	18.4	7.71	24
29-08-2012	MF	US1	18:25:20	M	7.1	310.6	0.12	28.17	25.99	68.1	4.60	16.2	7.72	18
29-08-2012	MF	US1	18:26:30	T	1.2	335.8	0.49	29.14	22.27	92.5	6.28	4.6	7.83	4
29-08-2012	MF	US2	18:31:35	B	7.1	297.2	0.30	28.01	26.64	66.9	4.51	17.0	7.71	17
29-08-2012	MF	US2	18:32:26	M	4.0	281.9	0.55	28.65	24.22	78.5	5.31	10.2	7.78	11
29-08-2012	MF	US2	18:33:11	T	1.0	316.8	0.67	28.92	23.61	88.2	5.96	8.8	7.82	8
29-08-2012	MF	US2	18:35:57	B	7.2	262.8	0.39	28.24	25.89	71.6	4.83	14.0	7.75	18
29-08-2012	MF	US2	18:36:48	M	4.0	317.1	0.43	28.60	24.56	79.2	5.36	10.9	7.77	11
29-08-2012	MF	US2	18:37:18	T	1.3	301.0	0.66	28.71	24.21	81.5	5.51	10.8	7.79	9

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29-08-2012	ME	DS1	12:14:39	B	7.0	96.6	0.35	28.39	25.11	74.5	5.04	11.2	7.78	12
29-08-2012	ME	DS1	12:15:34	M	3.9	97.6	0.54	28.39	25.13	75.0	5.07	9.3	7.78	10
29-08-2012	ME	DS1	12:16:22	T	1.1	128.2	0.81	29.13	21.47	91.9	6.26	4.8	7.86	7
29-08-2012	ME	DS1	12:18:51	B	7.1	78.0	0.53	28.39	25.11	76.7	5.18	9.0	7.77	10
29-08-2012	ME	DS1	12:19:57	M	3.8	105.1	0.42	28.42	24.96	76.2	5.15	7.6	7.77	11
29-08-2012	ME	DS1	12:20:46	T	1.0	92.8	0.83	29.18	21.52	90.7	6.17	4.4	7.85	6
29-08-2012	ME	DS2	12:25:29	B	6.9	92.9	0.41	28.38	25.21	76.8	5.19	11.7	7.81	16
29-08-2012	ME	DS2	12:26:05	M	4.0	65.2	0.67	28.45	24.85	76.8	5.20	8.8	7.81	9
29-08-2012	ME	DS2	12:26:45	T	1.0	77.4	0.59	29.12	21.76	92.1	6.27	4.5	7.88	4
29-08-2012	ME	DS2	12:27:45	B	7.0	29.4	0.19	28.38	25.20	74.4	5.03	12.3	7.79	14
29-08-2012	ME	DS2	12:28:23	M	4.0	90.7	0.34	28.44	24.91	76.1	5.15	9.5	7.80	10
29-08-2012	ME	DS2	12:29:09	T	0.9	121.2	0.77	29.14	21.73	89.3	6.08	5.0	7.87	4
29-08-2012	ME	DS3	12:34:12	B	6.0	64.4	0.16	28.30	25.63	72.1	4.87	12.4	7.81	13
29-08-2012	ME	DS3	12:34:41	M	3.7	94.8	0.80	28.47	24.75	76.2	5.16	9.6	7.82	11
29-08-2012	ME	DS3	12:35:22	T	1.0	85.1	0.48	29.23	21.58	91.4	6.22	7.5	7.89	10
29-08-2012	ME	DS3	12:37:45	B	5.1	77.3	0.41	28.23	26.04	72.4	4.88	14.1	7.80	12
29-08-2012	ME	DS3	12:38:36	M	3.5	87.1	0.54	28.41	25.13	75.3	5.09	10.2	7.81	9
29-08-2012	ME	DS3	12:39:17	T	0.9	112.0	0.50	29.04	22.33	88.3	6.00	13.5	7.86	10
29-08-2012	ME	DS4	12:43:59	B	4.0	108.5	0.71	28.45	24.91	77.5	5.24	9.2	7.81	10
29-08-2012	ME	DS4	12:44:47	M	2.7	82.2	0.60	28.53	24.57	80.7	5.46	6.9	7.81	16
29-08-2012	ME	DS4	12:45:38	T	1.3	116.3	0.64	28.93	22.87	93.2	6.32	3.8	7.87	5
29-08-2012	ME	DS4	12:46:13	B	3.9	102.3	0.52	28.42	25.24	78.1	5.28	9.8	7.80	9
29-08-2012	ME	DS4	12:47:01	M	2.3	91.8	0.56	28.41	25.12	75.2	5.08	13.9	7.79	16
29-08-2012	ME	DS4	12:47:52	T	0.9	91.8	0.59	28.77	23.49	87.3	5.92	5.9	7.83	3
29-08-2012	ME	DS5	12:52:27	B	4.7	150.7	0.35	29.07	22.43	92.5	6.28	8.3	7.90	6
29-08-2012	ME	DS5	12:53:20	M	2.9	134.9	0.32	28.84	23.20	89.0	6.04	7.6	7.87	8
29-08-2012	ME	DS5	12:54:04	T	0.6	152.7	0.30	29.71	20.53	96.4	6.54	4.3	7.92	5
29-08-2012	ME	DS5	12:55:03	B	4.9	146.4	0.32	28.80	23.35	88.0	5.97	7.5	7.85	8
29-08-2012	ME	DS5	12:55:47	M	3.0	111.4	0.35	28.92	22.97	89.6	6.08	6.8	7.86	6
29-08-2012	ME	DS5	12:56:24	T	1.0	162.8	0.26	29.50	21.02	96.0	6.52	4.5	7.90	4
29-08-2012	ME	MW1	10:12:51	B	18.9	318.4	0.40	27.25	29.27	67.1	4.52	7.0	7.73	9
29-08-2012	ME	MW1	10:14:06	M	10.3	194.0	0.23	27.41	28.63	69.6	4.69	7.1	7.76	6
29-08-2012	ME	MW1	10:15:05	T	1.1	67.3	0.56	28.03	26.22	88.2	5.96	3.4	7.85	3
29-08-2012	ME	MW1	10:17:43	B	18.7	319.9	0.03	27.26	29.10	69.0	4.65	7.2	7.74	11
29-08-2012	ME	MW1	10:18:45	M	10.4	315.0	0.09	27.49	28.29	71.6	4.83	7.3	7.77	7
29-08-2012	ME	MW1	10:19:45	T	1.0	54.9	0.72	28.08	26.09	88.7	6.00	3.2	7.86	4
29-08-2012	ME	US1	12:04:26	B	6.8	145.2	0.31	28.28	25.74	70.7	4.77	12.7	7.77	12
29-08-2012	ME	US1	12:05:16	M	4.3	114.8	0.92	28.36	25.28	73.3	4.95	9.3	7.77	7
29-08-2012	ME	US1	12:06:17	T	1.0	123.1	0.46	28.99	22.14	92.1	6.27	3.8	7.85	4
29-08-2012	ME	US1	12:07:17	B	7.1	45.8	0.15	28.26	25.89	70.5	4.76	12.3	7.76	13
29-08-2012	ME	US1	12:08:05	M	4.3	107.6	0.49	28.38	25.14	74.0	5.00	8.1	7.76	8
29-08-2012	ME	US1	12:08:46	T	1.1	107.0	0.82	28.88	22.70	88.6	6.02	4.5	7.83	5
29-08-2012	ME	US2	11:53:14	B	9.8	142.4	0.24	28.10	26.42	66.7	4.50	10.9	7.71	13
29-08-2012	ME	US2	11:54:03	M	4.5	108.7	0.62	28.43	24.85	75.2	5.09	6.8	7.74	10
29-08-2012	ME	US2	11:54:56	T	1.1	124.1	0.51	29.00	21.98	91.3	6.22	4.0	7.83	11
29-08-2012	ME	US2	11:56:02	B	10.1	164.7	0.21	28.18	26.05	67.8	4.57	9.0	7.72	11
29-08-2012	ME	US2	11:56:37	M	4.8	125.4	0.51	28.36	25.18	70.5	4.77	8.1	7.73	10
29-08-2012	ME	US2	11:58:07	T	1.2	111.5	0.48	29.12	21.18	92.2	6.29	3.7	7.83	12