

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
2013/04/16	MF	DS1	10:23:44	B	14.0	352.4	0.42	20.30	29.18	85.2	6.48	21.9	7.76	31
2013/04/16	MF	DS1	10:24:56	M	8.0	288.8	0.25	20.28	28.82	84.3	6.43	12.5	7.74	16
2013/04/16	MF	DS1	10:25:57	T	1.2	32.6	0.21	20.78	25.77	86.6	6.67	4.6	7.73	4
2013/04/16	MF	DS1	10:27:03	B	13.8	276.9	0.09	20.29	29.09	84.9	6.47	18.5	7.76	32
2013/04/16	MF	DS1	10:28:19	M	8.2	106.7	0.12	20.27	28.74	83.7	6.39	10.0	7.74	15
2013/04/16	MF	DS1	10:29:11	T	1.2	301.5	0.40	20.75	25.97	86.6	6.66	5.1	7.73	5
2013/04/16	MF	DS2	10:13:31	B	7.9	316.2	0.20	20.36	28.14	85.8	6.56	7.7	7.76	12
2013/04/16	MF	DS2	10:14:23	M	5.2	334.8	0.29	20.47	27.60	85.1	6.52	8.6	7.75	12
2013/04/16	MF	DS2	10:15:16	T	1.0	284.4	0.27	20.80	25.61	87.7	6.75	4.3	7.75	4
2013/04/16	MF	DS2	10:15:59	B	8.2	294.2	0.16	20.32	28.42	84.6	6.47	7.8	7.76	13
2013/04/16	MF	DS2	10:17:08	M	5.0	272.5	0.54	20.36	28.18	84.8	6.49	8.3	7.75	12
2013/04/16	MF	DS2	10:18:12	T	1.0	285.5	0.49	20.79	25.68	87.1	6.71	4.9	7.74	5
2013/04/16	MF	DS3	10:04:01	B	19.9	121.2	0.40	20.29	28.79	83.7	6.39	13.1	7.73	30
2013/04/16	MF	DS3	10:04:56	M	11.0	170.6	0.12	20.27	28.38	83.9	6.42	7.8	7.73	9
2013/04/16	MF	DS3	10:05:47	T	1.1	319.6	0.26	20.93	25.01	87.5	6.75	4.6	7.72	6
2013/04/16	MF	DS3	10:06:53	B	19.9	84.9	0.17	20.29	28.72	83.9	6.40	8.4	7.74	29
2013/04/16	MF	DS3	10:07:47	M	11.0	296.8	0.25	20.27	28.37	84.0	6.43	6.7	7.74	10
2013/04/16	MF	DS3	10:08:53	T	1.0	273.1	0.45	20.91	25.08	87.4	6.74	4.7	7.73	5
2013/04/16	MF	DS4	9:47:05	B	25.1	151.5	0.14	20.34	28.24	84.3	6.45	8.2	7.72	12
2013/04/16	MF	DS4	9:48:32	M	13.6	187.1	0.24	20.37	27.93	84.1	6.44	7.7	7.71	10
2013/04/16	MF	DS4	9:49:56	T	1.0	275.3	0.26	21.00	24.66	88.3	6.81	3.6	7.70	4
2013/04/16	MF	DS4	9:51:17	B	25.0	144.4	0.23	20.34	28.21	83.9	6.42	8.6	7.72	12
2013/04/16	MF	DS4	9:52:46	M	13.6	93.2	0.24	20.37	27.96	84.3	6.45	7.0	7.72	10
2013/04/16	MF	DS4	9:53:47	T	1.1	288.6	0.38	20.97	24.74	88.6	6.84	4.0	7.70	4
2013/04/16	MF	DS5	9:37:02	B	6.9	282.9	0.88	20.48	27.43	86.9	6.66	6.6	7.73	11
2013/04/16	MF	DS5	9:37:52	M	4.6	309.0	0.09	20.70	26.28	87.8	6.75	4.9	7.72	6
2013/04/16	MF	DS5	9:39:03	T	1.1	329.8	0.41	21.04	24.48	89.6	6.92	2.5	7.69	3
2013/04/16	MF	DS5	9:39:53	B	7.2	293.7	0.86	20.56	26.99	86.3	6.62	7.0	7.72	11
2013/04/16	MF	DS5	9:40:38	M	4.5	307.7	0.18	20.69	26.30	87.5	6.72	5.6	7.72	7
2013/04/16	MF	DS5	9:41:37	T	0.8	329.8	0.41	21.05	24.50	89.6	6.91	2.9	7.69	3
2013/04/16	MF	US1	10:33:40	B	6.0	283.0	0.51	20.67	26.42	86.8	6.67	4.1	7.75	6
2013/04/16	MF	US1	10:34:30	M	4.1	261.2	0.37	20.70	26.14	86.1	6.62	4.8	7.75	5
2013/04/16	MF	US1	10:35:36	T	1.0	40.7	0.29	20.97	24.95	90.0	6.94	2.9	7.74	3
2013/04/16	MF	US1	10:36:14	B	6.1	268.4	0.48	20.57	27.06	85.9	6.59	4.3	7.75	6
2013/04/16	MF	US1	10:37:27	M	4.0	329.6	0.50	20.71	26.13	86.0	6.61	5.0	7.74	6
2013/04/16	MF	US1	10:38:25	T	1.0	353.7	0.23	20.98	24.93	89.3	6.88	3.2	7.74	3
2013/04/16	MF	US2	10:44:17	B	6.1	276.6	0.53	20.47	27.69	85.4	6.54	5.1	7.75	8
2013/04/16	MF	US2	10:45:09	M	3.9	264.8	0.29	20.59	26.94	86.0	6.60	4.9	7.74	6
2013/04/16	MF	US2	10:46:09	T	1.0	6.7	0.44	20.94	25.23	89.4	6.88	3.8	7.73	5
2013/04/16	MF	US2	10:47:07	B	6.1	317.0	0.33	20.45	27.92	85.8	6.56	5.1	7.74	9
2013/04/16	MF	US2	10:48:26	M	4.0	260.2	0.22	20.65	26.63	86.4	6.63	4.3	7.73	6
2013/04/16	MF	MW1	8:17:04	B	18.1	77.8	0.72	20.25	30.44	86.4	6.53	2.1	7.64	4
2013/04/16	MF	MW1	8:18:14	M	9.9	274.4	0.63	20.31	29.83	85.8	6.50	1.6	7.64	3
2013/04/16	MF	MW1	8:19:18	T	1.0	103.6	0.20	20.48	28.21	86.9	6.63	1.8	7.64	3
2013/04/16	MF	MW1	8:20:25	B	18.1	24.0	0.31	20.27	30.30	87.5	6.62	2.1	7.68	3
2013/04/16	MF	MW1	8:21:32	M	10.2	191.6	0.33	20.33	29.69	86.3	6.55	2.1	7.67	3
2013/04/16	MF	MW1	8:22:30	T	1.1	277.9	0.21	20.49	28.21	87.4	6.67	1.9	7.67	3

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2013/04/16	ME	DS1	15:37:37	B	6.1	75.2	0.53	20.70	26.65	89.8	6.88	7.1	7.83	4
2013/04/16	ME	DS1	15:38:16	M	4.0	110.7	0.55	20.97	25.65	89.8	6.89	8.7	7.82	10
2013/04/16	ME	DS1	15:39:18	T	0.9	86.9	0.60	21.19	25.15	92.4	7.08	4.9	7.82	7
2013/04/16	ME	DS1	15:40:28	B	5.9	92.2	0.60	20.60	27.07	86.4	6.62	12.9	7.80	11
2013/04/16	ME	DS1	15:41:24	M	3.8	83.5	0.58	21.03	25.53	89.8	6.89	8.2	7.81	10
2013/04/16	ME	DS1	15:42:10	T	1.1	116.5	0.72	21.34	24.75	94.0	7.21	3.1	7.82	6
2013/04/16	ME	DS2	15:47:15	B	6.0	87.6	0.27	20.58	27.05	86.5	6.64	10.5	7.82	15
2013/04/16	ME	DS2	15:48:28	M	4.2	110.4	0.89	20.84	26.06	88.6	6.80	6.0	7.82	10
2013/04/16	ME	DS2	15:49:17	T	1.1	103.8	0.66	21.26	25.01	93.2	7.14	5.5	7.84	6
2013/04/16	ME	DS2	15:50:20	B	6.1	88.2	0.42	20.56	27.12	86.2	6.61	10.6	7.82	13
2013/04/16	ME	DS2	15:51:14	M	4.1	94.9	0.70	20.73	26.53	87.3	6.70	9.0	7.81	11
2013/04/16	ME	DS2	15:52:25	T	1.0	125.8	0.51	21.30	24.97	92.9	7.12	4.5	7.83	5
2013/04/16	ME	DS3	15:56:48	B	3.9	98.1	0.52	21.25	25.05	95.0	7.28	4.2	7.86	4
2013/04/16	ME	DS3	15:57:34	M	3.1	97.9	0.65	21.29	25.00	94.8	7.26	3.4	7.85	4
2013/04/16	ME	DS3	15:58:21	T	1.0	98.6	0.45	21.36	24.91	95.5	7.31	3.5	7.85	3
2013/04/16	ME	DS3	15:59:10	B	4.1	100.2	0.38	21.08	25.38	92.9	7.13	3.8	7.84	4
2013/04/16	ME	DS3	16:00:14	M	3.1	125.7	0.60	21.27	24.99	94.2	7.22	2.7	7.84	3
2013/04/16	ME	DS3	16:01:09	T	1.1	96.3	0.69	21.46	24.84	95.8	7.32	2.8	7.86	4
2013/04/16	ME	DS4	16:06:24	B	3.0	103.1	0.42	21.33	24.98	96.0	7.35	3.0	7.87	4
2013/04/16	ME	DS4	16:07:34	M	2.1	81.8	0.55	21.30	25.00	95.9	7.34	3.1	7.85	3
2013/04/16	ME	DS4	16:09:02	T	1.0	91.4	0.59	21.47	24.77	96.8	7.40	2.4	7.86	4
2013/04/16	ME	DS4	16:10:02	B	3.1	95.5	0.78	21.25	25.03	95.0	7.28	3.0	7.84	5
2013/04/16	ME	DS4	16:10:59	M	2.2	104.9	0.43	21.38	24.96	96.0	7.35	2.7	7.85	4
2013/04/16	ME	DS4	16:12:27	T	1.1	112.4	0.60	21.50	24.78	97.4	7.44	2.7	7.85	3
2013/04/16	ME	DS5	16:17:42	B	3.0	103.5	0.36	21.21	25.28	94.4	7.23	3.2	7.86	6
2013/04/16	ME	DS5	16:18:33	M	1.7	132.5	0.41	21.16	25.47	93.7	7.18	4.0	7.84	4
2013/04/16	ME	DS5	16:19:26	T	0.9	67.0	0.25	21.27	25.16	94.7	7.25	3.5	7.84	4
2013/04/16	ME	DS5	16:20:16	B	3.1	130.2	0.25	21.24	25.21	95.0	7.28	3.5	7.84	7
2013/04/16	ME	DS5	16:21:22	M	2.0	166.2	0.29	21.16	25.39	94.4	7.23	3.9	7.83	5
2013/04/16	ME	DS5	16:22:08	T	1.1	163.7	0.05	21.43	24.69	96.4	7.38	2.8	7.84	4
2013/04/16	ME	US1	15:28:43	B	8.1	345.8	0.15	20.49	27.51	86.6	6.63	8.3	7.78	13
2013/04/16	ME	US1	15:29:31	M	4.8	85.2	0.47	20.82	26.04	88.0	6.76	5.2	7.78	8
2013/04/16	ME	US1	15:30:22	T	1.0	126.6	0.49	21.40	24.69	94.4	7.23	2.3	7.79	3
2013/04/16	ME	US1	15:31:16	B	8.1	27.6	0.50	20.52	27.33	86.1	6.60	8.9	7.78	14
2013/04/16	ME	US1	15:32:17	M	4.9	110.1	0.54	20.79	26.17	87.7	6.73	5.0	7.79	7
2013/04/16	ME	US1	15:33:19	T	1.0	112.9	0.42	21.46	24.62	92.0	7.04	3.3	7.82	2
2013/04/16	ME	US2	15:18:39	B	8.2	69.8	0.32	20.43	27.78	86.8	6.65	6.6	7.74	12
2013/04/16	ME	US2	15:19:30	M	5.1	86.5	0.67	20.69	26.61	87.3	6.70	6.0	7.73	6
2013/04/16	ME	US2	15:20:44	T	1.0	123.3	0.91	21.36	24.65	95.3	7.31	2.1	7.76	4
2013/04/16	ME	US2	15:21:41	B	8.0	110.6	0.25	20.43	27.76	86.1	6.59	7.4	7.74	12
2013/04/16	ME	US2	15:22:45	M	5.1	97.1	0.84	20.80	26.25	88.8	6.81	4.5	7.76	6
2013/04/16	ME	US2	15:23:29	T	0.9	90.4	0.61	21.44	24.59	95.1	7.28	2.5	7.77	4
2013/04/16	ME	MW1	17:01:59	B	17.9	339.7	0.07	20.48	29.34	89.4	6.77	2.3	7.77	6
2013/04/16	ME	MW1	17:03:48	M	9.8	37.6	0.42	20.53	28.75	88.9	6.75	2.4	7.72	5
2013/04/16	ME	MW1	17:04:38	T	1.0	54.9	0.65	21.07	26.72	93.3	7.10	2.3	7.74	4
2013/04/16	ME	MW1	17:05:29	B	18.2	58.0	0.38	20.52	28.84	89.2	6.77	2.4	7.73	7
2013/04/16	ME	MW1	17:06:30	M	9.9	18.3	0.50	20.49	28.94	89.2	6.77	2.4	7.73	4
2013/04/16	ME	MW1	17:07:20	T	1.1	65.1	0.62	20.88	27.14	91.6	6.98	2.5	7.74	4