

Impact Water Quality Monitoring for Dredging Activities

Sampling Date	Tide	Station	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
07-05-2013	ME	MW1	B	18.9	35.6	0.56	22.19	31.36	87.29	6.34	4.1	7.66	4
07-05-2013	ME	MW1	M	10.6	39.2	0.48	22.2	31.28	86.98	6.32	3.7	7.66	6
07-05-2013	ME	MW1	T	0.8	50.9	0.64	22.32	31.07	87.78	6.37	3.1	7.67	5
07-05-2013	ME	MW1	B	19	16	0.23	22.2	31.33	86.78	6.3	4.3	7.67	5
07-05-2013	ME	MW1	M	10.4	38.6	0.64	22.2	31.29	87.28	6.34	3.9	7.68	6
07-05-2013	ME	MW1	T	1.2	47.8	0.9	22.33	31.05	87.98	6.38	3.2	7.69	4
07-05-2013	ME	US2	B	7.9	96.2	0.38	22.54	29.08	88.09	6.44	16	7.7	19
07-05-2013	ME	US2	M	5.1	106.9	0.7	22.63	28.42	86.3	6.32	14.7	7.67	15
07-05-2013	ME	US2	T	1	132.3	0.8	23.53	24.98	87.29	6.42	3.5	7.64	5
07-05-2013	ME	US2	B	8	97.1	0.61	22.55	28.99	86.49	6.33	12.5	7.7	19
07-05-2013	ME	US2	M	5	110.9	0.62	22.68	28.06	85.49	6.27	12.5	7.67	14
07-05-2013	ME	US2	T	1.2	110.9	0.58	23.53	25.04	87.19	6.41	3.4	7.65	4
07-05-2013	ME	US1	B	9.1	74.4	0.43	22.56	28.92	87.69	6.42	16	7.75	22
07-05-2013	ME	US1	M	5.5	120.2	0.51	22.71	27.96	85.99	6.31	9.3	7.7	10
07-05-2013	ME	US1	T	1.2	122.8	0.88	23.21	25.66	86.09	6.34	4	7.68	5
07-05-2013	ME	US1	B	9	120.1	0.42	22.57	28.83	87.28	6.39	15.1	7.75	21
07-05-2013	ME	US1	M	4.8	114.4	0.76	22.74	27.86	85.88	6.3	7.9	7.72	9
07-05-2013	ME	US1	T	1.3	87.4	0.91	23.27	25.58	85.68	6.31	3.9	7.7	5
07-05-2013	ME	DS1	B	7	96.5	0.44	22.59	28.77	87.88	6.43	21.9	7.76	28
07-05-2013	ME	DS1	M	4.6	114	0.79	22.68	28.1	85.98	6.31	12.6	7.75	23
07-05-2013	ME	DS1	T	1.1	103.7	1	23.52	25.16	86.48	6.36	4.1	7.71	4
07-05-2013	ME	DS1	B	7.1	81.7	0.39	22.59	28.77	87.17	6.38	21.6	7.77	28
07-05-2013	ME	DS1	M	4.5	134.4	0.58	22.63	28.42	86.37	6.33	17.8	7.76	22
07-05-2013	ME	DS1	T	1.3	113.9	0.71	22.99	26.34	83.88	6.18	5.1	7.72	2
07-05-2013	ME	DS2	B	5.8	95.9	0.52	22.69	28.12	87.57	6.42	15.3	7.79	26
07-05-2013	ME	DS2	M	4.1	82	0.4	22.7	28	86.17	6.32	13	7.77	20
07-05-2013	ME	DS2	T	1.3	96	1.11	23.05	26.65	85.27	6.27	5.2	7.74	3
07-05-2013	ME	DS2	B	5.9	96.3	0.59	22.67	28.21	87.36	6.41	14.9	7.78	25
07-05-2013	ME	DS2	M	4	89.5	0.58	22.68	28.14	86.26	6.33	14.1	7.77	21
07-05-2013	ME	DS2	T	1.2	98.3	0.86	23.4	25.47	86.76	6.38	3.8	7.73	4
07-05-2013	ME	DS3	B	4.8	62.9	0.57	22.72	28.04	88.55	6.49	18.6	7.8	22
07-05-2013	ME	DS3	M	3.2	79.1	0.75	22.76	27.7	85.96	6.31	9.9	7.77	13
07-05-2013	ME	DS3	T	1.2	96.6	0.81	23.74	25.17	88.25	6.46	4	7.74	3
07-05-2013	ME	DS3	B	4.9	120.6	0.5	22.71	28.07	87.75	6.43	22.6	7.79	21
07-05-2013	ME	DS3	M	3.2	138.2	0.52	22.89	27.2	85.26	6.26	8.2	7.75	14
07-05-2013	ME	DS3	T	1.1	107.1	0.75	23.75	25.1	87.85	6.43	4	7.74	2
07-05-2013	ME	DS4	B	4.1	92.5	0.59	22.76	27.94	89.64	6.57	14.2	7.79	22
07-05-2013	ME	DS4	M	3	101.9	1.06	23.05	26.49	86.05	6.33	6.3	7.74	6
07-05-2013	ME	DS4	T	1	130.3	0.69	23.56	25.33	87.74	6.44	3.5	7.73	4
07-05-2013	ME	DS4	B	4	82	0.77	22.75	27.96	88.84	6.51	13.3	7.79	21
07-05-2013	ME	DS4	M	3	111.1	0.6	22.92	27.05	85.94	6.32	8.1	7.75	7
07-05-2013	ME	DS4	T	1.2	95.7	0.44	23.8	25.06	88.64	6.49	3.3	7.74	4
07-05-2013	ME	DS5	B	5	342.5	0.41	23.11	26.73	89.73	6.58	10.3	7.77	12
07-05-2013	ME	DS5	M	3.4	40.3	0.1	23.31	26.17	88.43	6.49	5.9	7.75	12
07-05-2013	ME	DS5	T	1.2	68.7	0.57	23.6	25.22	88.53	6.5	3.2	7.73	3
07-05-2013	ME	DS5	B	4.9	16.8	0.31	23	27.03	89.03	6.53	11.7	7.77	13
07-05-2013	ME	DS5	M	3.1	89.5	0.49	23.01	27	88.33	6.48	10.2	7.76	13
07-05-2013	ME	DS5	T	1.2	94.9	0.75	23.71	25.14	88.73	6.5	3.8	7.73	2

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07-05-2013	MF	DS5	B	7.1	196.3	0.35	22.71	28.4	85.44	6.25	6.8	7.7	7
07-05-2013	MF	DS5	M	4.5	349.4	0.15	22.83	27.41	84.24	6.19	5.7	7.68	9
07-05-2013	MF	DS5	T	1.1	272.4	0.39	23.68	24.5	87.55	6.44	3.7	7.67	3
07-05-2013	MF	DS5	B	7	283.7	0.41	22.63	28.86	86.77	6.34	8	7.72	8
07-05-2013	MF	DS5	M	4.5	286.3	0.27	22.75	28.07	84.87	6.22	7	7.7	8
07-05-2013	MF	DS5	T	1.2	301.2	0.51	23.35	25.77	86.67	6.37	5	7.69	3
07-05-2013	MF	DS4	B	8.2	278.5	0.52	22.58	29.08	86.8	6.34	12.9	7.75	14
07-05-2013	MF	DS4	M	5	16.9	0.23	22.75	27.93	85.1	6.24	12.4	7.72	12
07-05-2013	MF	DS4	T	1.2	322.7	0.5	23.11	26.68	85.61	6.28	6.7	7.7	5
07-05-2013	MF	DS4	B	7.8	306.7	0.65	22.59	29.01	85.82	6.27	12.8	7.73	13
07-05-2013	MF	DS4	M	4.9	314.9	0.27	22.75	27.97	84.93	6.23	12.9	7.72	13
07-05-2013	MF	DS4	T	1.1	298.7	0.27	23.18	26.48	86.44	6.34	8.1	7.7	6
07-05-2013	MF	DS3	B	15.6	285.3	0.48	22.49	29.71	85.97	6.27	27.2	7.75	29
07-05-2013	MF	DS3	M	9.1	290.9	0.47	22.64	28.68	85.68	6.27	18	7.74	29
07-05-2013	MF	DS3	T	1.1	316.2	0.67	23.37	26	88.39	6.48	5.8	7.72	5
07-05-2013	MF	DS3	B	16.1	127.4	0.19	22.5	29.49	85.3	6.23	41.5	7.75	30
07-05-2013	MF	DS3	M	8.9	181.1	0.16	22.58	28.99	86.03	6.29	20.1	7.75	29
07-05-2013	MF	DS3	T	1.4	266.4	0.53	23.3	26.23	87.94	6.45	5.2	7.73	4
07-05-2013	MF	DS2	B	7	281.5	0.58	22.44	30.04	87.67	6.39	20.7	7.77	32
07-05-2013	MF	DS2	M	4.6	283	0.74	22.5	29.69	86.57	6.31	17.3	7.76	13
07-05-2013	MF	DS2	T	1	285.6	0.82	23.32	26.56	88.29	6.46	6.8	7.75	8
07-05-2013	MF	DS2	B	6.8	293.6	0.64	22.46	29.95	86.89	6.33	19	7.77	31
07-05-2013	MF	DS2	M	4.6	284.6	0.55	22.6	29.1	86.79	6.34	12.4	7.76	12
07-05-2013	MF	DS2	T	1.3	290	0.59	23.1	27.17	88.11	6.45	6.8	7.75	7
07-05-2013	MF	DS1	B	8.7	279.4	0.88	22.44	29.94	87.64	6.39	17.1	7.79	25
07-05-2013	MF	DS1	M	5.7	276.4	0.73	22.65	28.9	87.35	6.38	11.4	7.78	25
07-05-2013	MF	DS1	T	1	291.9	0.65	23.07	27.36	88.06	6.44	6.9	7.77	5
07-05-2013	MF	DS1	B	8.8	263.3	0.55	22.47	29.8	86.47	6.3	19.5	7.77	24
07-05-2013	MF	DS1	M	5.2	246	0.58	22.55	29.38	86.58	6.32	18.4	7.77	24
07-05-2013	MF	DS1	T	1.4	298.4	0.73	23.16	27.41	89.4	6.53	6.7	7.77	7
07-05-2013	MF	US1	B	7.8	283.1	0.46	22.53	29.52	88.52	6.46	19	7.78	20
07-05-2013	MF	US1	M	4.6	287	0.81	22.58	29.33	87.82	6.41	13.4	7.78	19
07-05-2013	MF	US1	T	1.2	256.5	0.68	23.21	27.61	90.34	6.58	5.9	7.79	6
07-05-2013	MF	US1	B	7.8	298.8	0.33	22.52	29.54	87.43	6.38	19.8	7.78	21
07-05-2013	MF	US1	M	5.3	265.4	0.65	22.54	29.48	87.43	6.38	14.5	7.78	19
07-05-2013	MF	US1	T	1.2	281.2	0.45	23.36	27.4	90.66	6.6	6.3	7.79	6
07-05-2013	MF	US2	B	6.1	270.2	0.35	22.46	29.8	88.47	6.45	13.3	7.79	22
07-05-2013	MF	US2	M	3.7	297.2	0.35	23.19	27.96	90.19	6.56	9.1	7.79	8
07-05-2013	MF	US2	T	1.1	292.6	0.51	23.54	27.12	92.51	6.72	5.8	7.8	5
07-05-2013	MF	US2	B	6	257.5	0.63	22.46	29.82	87.18	6.36	13	7.78	21
07-05-2013	MF	US2	M	3.9	266.7	0.53	22.76	28.89	88.39	6.45	7.5	7.78	9
07-05-2013	MF	US2	T	1.1	283.8	0.35	23.49	27.18	92.13	6.7	5.9	7.8	6
07-05-2013	MF	MW1	B	18.1	27.9	0.15	22.27	31.78	88.5	6.4	11.5	7.78	11
07-05-2013	MF	MW1	M	10.1	120.8	0.24	22.31	31.5	88.6	6.42	9.6	7.75	7
07-05-2013	MF	MW1	T	1.1	279.2	0.16	22.46	30.75	89.32	6.48	5.3	7.74	5
07-05-2013	MF	MW1	B	17.9	225.5	0.08	22.29	31.5	88.01	6.37	10.3	7.75	12
07-05-2013	MF	MW1	M	10.1	109.7	0.09	22.33	31.34	88.42	6.41	8.5	7.75	8
07-05-2013	MF	MW1	T	1.4	336.7	0.34	22.44	30.73	88.63	6.43	5.4	7.74	6