

Impact Water Quality Monitoring for Dredging Activities at SB CMP 1

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)
24/11/2012	MF	DS1	16:52:08	M	3.7	336.4	0.11	23.77	30.28	85.50	6.08	5.20	7.84	6.40
24/11/2012	MF	DS1	16:36:52	B	6.3	180.3	0.21	23.84	30.50	84.73	6.01	6.69	7.92	6.50
24/11/2012	MF	DS1	16:39:32	M	3.7	26.8	0.13	23.78	30.32	85.53	6.08	5.23	7.91	6.00
24/11/2012	MF	DS1	16:41:20	S	1.0	265.0	0.46	23.22	28.76	91.44	6.62	3.43	7.88	5.30
24/11/2012	MF	DS1	16:43:56	B	6.3	54.7	0.27	23.84	30.52	84.56	5.99	7.02	7.88	6.80
24/11/2012	MF	DS1	16:45:36	M	3.7	275.6	0.29	23.77	30.24	85.58	6.08	5.18	7.87	6.30
24/11/2012	MF	DS1	16:47:44	S	1.0	249.4	0.29	23.18	28.61	92.44	6.70	3.26	7.84	5.10
24/11/2012	MF	DS1	16:49:48	B	6.3	74.5	0.12	23.84	30.54	84.43	5.98	7.75	7.85	6.80
24/11/2012	MF	DS1	16:53:52	S	1.0	211.8	0.17	23.25	28.88	91.32	6.60	3.32	7.82	5.30
24/11/2012	MF	DS3	17:03:56	B	3.3	283.9	0.09	23.55	29.04	88.73	6.37	5.64	7.82	6.30
24/11/2012	MF	DS3	17:06:32	S	1.0	269.3	0.38	23.34	28.53	91.36	6.61	3.39	7.82	5.60
24/11/2012	MF	DS3	17:09:24	B	3.3	113.5	0.03	23.61	29.16	87.48	6.27	6.95	7.82	6.50
24/11/2012	MF	DS3	17:11:16	S	1.0	155.2	0.32	23.35	28.58	91.12	6.59	3.27	7.81	6.30
24/11/2012	MF	DS3	17:13:28	B	3.3	58.5	0.22	23.60	29.18	87.74	6.29	6.37	7.82	5.80
24/11/2012	MF	DS3	17:15:28	S	1.0	279.4	0.51	23.37	28.65	90.90	6.57	3.26	7.80	5.40
24/11/2012	MF	DS4	17:22:36	B	3.1	274.5	0.23	23.37	28.12	91.34	6.62	6.15	7.81	8.30
24/11/2012	MF	DS4	17:25:20	S	1.0	253.7	0.24	23.33	28.07	91.64	6.65	4.91	7.80	7.80
24/11/2012	MF	DS4	17:27:28	B	3.1	156.8	0.13	23.34	28.11	91.33	6.62	5.81	7.80	8.00
24/11/2012	MF	DS4	17:29:20	S	1.0	264.3	0.27	23.20	28.07	91.92	6.67	4.87	7.79	8.30
24/11/2012	MF	DS4	17:31:00	B	3.1	255.1	0.42	23.35	28.12	91.22	6.61	6.41	7.79	7.70
24/11/2012	MF	DS4	17:32:56	S	1.0	224.5	0.35	23.33	28.10	91.48	6.63	5.88	7.79	7.90
24/11/2012	MF	DS5	17:40:04	B	2.9	284.7	0.34	23.34	27.94	91.48	6.64	8.60	7.79	10.70
24/11/2012	MF	DS5	17:42:00	S	1.0	266.9	0.21	23.34	27.94	91.48	6.64	8.51	7.79	11.40
24/11/2012	MF	DS5	17:43:42	B	2.9	114.7	0.14	23.34	27.95	91.61	6.65	8.01	7.79	11.00
24/11/2012	MF	DS5	17:45:36	S	1.0	156.4	0.39	23.33	27.94	91.39	6.63	8.36	7.79	11.00
24/11/2012	MF	DS5	17:47:24	B	2.9	243.1	0.24	23.32	27.94	91.34	6.63	7.30	7.78	11.00
24/11/2012	MF	DS5	17:49:12	S	1.0	214.4	0.17	23.32	27.94	91.42	6.64	7.99	7.78	11.80
24/11/2012	MF	US1	18:13:04	B	10.7	272.7	0.15	23.74	32.15	85.05	5.98	10.61	7.93	13.80
24/11/2012	MF	US1	18:15:28	M	5.9	293.4	0.14	23.73	32.13	85.12	5.99	9.67	7.94	11.00
24/11/2012	MF	US1	18:17:40	S	1.0	282.4	0.38	23.39	30.99	88.28	6.29	3.19	7.90	5.20
24/11/2012	MF	US1	18:20:10	B	10.7	281.0	0.44	23.74	32.14	84.75	5.96	10.37	7.92	13.40
24/11/2012	MF	US1	18:22:12	M	5.9	285.8	0.32	23.73	32.13	84.98	5.98	9.56	7.92	10.70
24/11/2012	MF	US1	18:24:20	S	1.0	197.4	0.13	23.43	31.12	87.87	6.25	3.00	7.88	5.30
24/11/2012	MF	US1	18:26:32	B	10.7	282.8	0.36	23.73	32.14	84.70	5.96	10.81	7.90	14.00
24/11/2012	MF	US1	18:28:42	M	5.9	260.0	0.44	23.73	32.14	84.98	5.98	10.50	7.89	10.70
24/11/2012	MF	US1	18:31:12	S	1.0	187.1	0.48	23.54	31.41	87.07	6.17	2.77	7.87	5.50
24/11/2012	MF	US2	18:40:24	B	11.0	258.8	0.38	23.71	32.18	85.25	6.00	9.59	7.89	12.50
24/11/2012	MF	US2	18:42:32	M	6.0	257.1	0.13	23.71	32.16	85.36	6.01	7.77	7.90	9.20
24/11/2012	MF	US2	18:44:40	S	1.0	233.8	0.35	23.49	31.24	87.32	6.20	3.22	7.87	5.70
24/11/2012	MF	US2	18:46:46	B	11.0	180.2	0.34	23.72	32.18	85.00	5.98	10.15	7.89	12.40
24/11/2012	MF	US2	18:49:00	M	6.0	204.5	0.26	23.17	32.17	85.18	5.99	7.34	7.88	8.90
24/11/2012	MF	US2	18:50:58	S	1.0	196.5	0.07	23.53	31.46	86.73	6.15	3.25	7.86	5.70
24/11/2012	MF	US2	18:53:00	B	11.0	272.4	0.48	23.71	32.18	84.89	5.97	10.20	7.88	12.70
24/11/2012	MF	US2	18:55:16	M	6.0	225.3	0.25	23.71	32.17	85.07	5.99	6.45	7.87	8.90
24/11/2012	MF	US2	18:57:16	S	1.0	238.8	0.36	23.49	31.32	87.27	6.20	3.29	7.84	5.90
24/11/2012	MF	MW1	17:31:52	S	1.0	72.8	0.26	23.63	32.38	93.97	6.61	4.54	7.72	7.30
24/11/2012	MF	MW1	17:27:56	B	19.0	282.3	0.45	23.69	32.75	94.51	6.63	9.47	7.79	10.60
24/11/2012	MF	MW1	17:29:48	M	10.0	60.3	0.45	23.70	32.63	94.28	6.62	7.89	7.76	9.00
24/11/2012	MF	MW1	17:33:48	B	19.0	99.1	0.16	23.70	32.70	94.42	6.63	8.44	7.74	11.00
24/11/2012	MF	MW1	17:35:40	M	10.0	91.5	0.39	23.68	32.57	94.28	6.62	6.50	7.73	9.30
24/11/2012	MF	MW1	17:37:28	S	1.0	157.4	0.30	23.63	32.35	93.39	6.57	4.73	7.69	7.30
24/11/2012	MF	MW1	17:39:24	B	19.0	143.8	0.26	23.73	32.73	94.75	6.65	8.07	7.75	10.60
24/11/2012	MF	MW1	17:41:16	M	10.0	112.0	0.31	23.68	32.61	94.71	6.65	6.40	7.71	8.80
24/11/2012	MF	MW1	17:43:12	S	1.0	-1.0	-1.00	23.62	32.37	93.92	6.61	4.43	7.70	7.00
24/11/2012	MF	THB1	16:00:08	B	3.0	269.9	0.39	23.43	28.71	94.48	6.82	8.40	7.38	17.60
24/11/2012	MF	THB1	16:01:52	S	1.0	260.2	0.27	23.26	27.94	95.62	6.95	5.78	7.41	7.80
24/11/2012	MF	THB1	16:03:24	B	3.0	211.0	0.50	23.39	28.53	94.22	6.81	6.74	7.44	17.90
24/11/2012	MF	THB1	16:05:08	S	1.0	254.5	0.24	23.27	27.96	95.98	6.97	5.63	7.41	8.10
24/11/2012	MF	THB1	16:12:08	B	3.0	164.8	0.12	23.56	29.26	92.69	6.65	7.40	7.37	17.60
24/11/2012	MF	THB1	16:13:44	S	1.0	216.6	0.48	23.26	27.95	96.38	7.00	5.50	7.37	7.70
24/11/2012	MF	THB2	15:22:55	M	1.5	0.0	0.00	23.23	27.57	84.52	6.16	6.52	7.80	9.20
24/11/2012	MF	THB2	15:25:51	M	1.5	0.0	0.00	23.24	27.58	84.21	6.14	6.40	7.81	9.40
24/11/2012	MF	THB2	15:28:03	M	1.5	0.0	0.00	23.23	27.56	84.16	6.13	6.48	7.82	9.00
24/11/2012	MF	WSR45C	16:52:08	S	1.0	241.6	0.62	23.56	31.21	92.58	6.57	5.76	7.61	9.10
24/11/2012	MF	WSR45C	16:35:12	B	12.0	235.5	0.41	23.75	32.16	90.03	6.33	10.96	7.57	11.40
24/11/2012	MF	WSR45C	16:36:56	M	6.5	201.6	0.35	23.72	32.04	90.27	6.36	7.54	7.60	12.10
24/11/2012	MF	WSR45C	16:38:48	S	1.0	291.4	0.56	23.30	30.09	95.48	6.85	5.33	7.58	9.50
24/11/2012	MF	WSR45C	16:43:20	B	12.0	192.4	0.06	23.74	32.21	90.55	6.37	10.38	7.59	11.80
24/11/2012	MF	WSR45C	16:45:00	M	6.5	209.8	0.41	23.72	32.17	90.59	6.37	8.19	7.58	11.70
24/11/2012	MF	WSR45C	16:46:52	S	1.0	235.4	0.26	23.46	30.45	93.60	6.68	6.62	7.55	9.40
24/11/2012	MF	WSR45C	16:48:36	B	12.0	231.2	0.60	23.74	32.23	90.70	6.38	10.82	7.57	11.40
24/11/2012	MF	WSR45C	16:50:16	M	6.5	298.7	0.31	23.72	32.18	90.93	6.40	8.22	7.58	11.90
24/11/2012	MF	WSR46	15:10:56	B	9.0	254.3	0.38	23.83	31.14	86.16	6.09	16.68	7.29	14.50
24/11/2012	MF	WSR46	15:12:36	M	5.0	262.5	0.81	23.75	30.21	87.35	6.21	6.35	7.30	7.90
24/11/2012	MF	WSR46	15:14:36	S	1.0	274.6	0.43	23.37	28.85	94.19	6.80	5.71	7.34	6.60
24/11/2012	MF	WSR46	15:18:20	B	9.0	299.9	0.77	23.83	31.26	86.86	6.13	17.61	7.31	14.20
24/11/2012	MF	WSR46	15:19:56	M	5.0	321.5	0.36	23.77	30.29	87.90	6.25	6.46	7.30	7.60
24/11/2012	MF	WSR46	15:21:36	S	1.0	303.0	0.72	23.37	28.81	94.08	6.79	5.42	7.32	6.40
24/11/2012	MF	WSR46	15:27:52	B	9.0	245.2	0.14	23.83	31.32	86.45	6.10	18.87	7.29	14.40
24/11/2012	MF	WSR46	15:29:36	M	5.0	267.1	0.34	23.70	30.39	88.07	6.26	7.85	7.28	8.20
24/11/2012	MF	WSR46	15:31:12	S	1.0	285.5	0.53	23.41	28.86	93.76	6.76	5.31	7.28	6.40

Remarks: No current speeds and directions were measured at Station THB2.
 Sampling was only conducted in the afternoon when the dredging and hopper barges arrived the site.