

Impact Water Quality Monitoring for Dredging Activities at SB CMP 2

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)
2013/11/01	MF	DS1	15:48:39	B	3.0	51.9	0.25	25.64	29.22	127.18	8.80	46.02	8.24	36
2013/11/01	MF	DS1	15:49:29	T	1.0	227.6	0.92	26.63	28.85	148.67	10.14	6.18	8.30	8
2013/11/01	MF	DS1	15:50:19	B	3.0	292.4	0.23	25.62	29.26	129.18	8.94	41.61	8.22	37
2013/11/01	MF	DS1	15:51:09	T	1.0	266.6	0.36	26.48	28.85	145.67	9.96	6.48	8.29	6
2013/11/01	MF	DS1	15:52:36	B	3.5	285.2	0.56	25.63	29.24	126.77	8.78	23.99	8.23	39
2013/11/01	MF	DS1	15:53:09	T	1.1	266.6	0.36	26.34	28.86	139.97	9.59	7.28	8.27	7
2013/11/01	MF	DS2	15:59:59	B	3.1	150.9	0.30	25.68	29.36	138.86	9.60	9.98	8.29	11
2013/11/01	MF	DS2	16:00:59	T	1.0	188.9	1.65	26.23	28.93	159.76	10.97	4.77	8.36	9
2013/11/01	MF	DS2	16:01:59	B	3.0	21.3	0.47	25.67	29.37	139.06	9.61	10.18	8.29	11
2013/11/01	MF	DS2	16:02:59	T	1.0	188.9	1.65	26.30	28.92	160.16	10.98	4.67	8.36	7
2013/11/01	MF	DS2	16:03:59	B	3.0	313.8	1.03	25.70	29.32	142.06	9.82	9.18	8.30	13
2013/11/01	MF	DS2	16:04:59	T	1.0	188.9	1.65	26.18	28.95	159.75	10.97	4.77	8.36	7
2013/11/01	MF	DS3	16:10:14	B	2.0	242.6	0.89	25.78	29.38	138.05	9.52	24.49	8.30	32
2013/11/01	MF	DS3	16:11:14	T	1.0	285.6	0.85	26.48	29.10	152.05	10.38	10.08	8.34	13
2013/11/01	MF	DS3	16:12:14	B	2.0	292.4	0.21	25.85	29.34	140.95	9.71	21.89	8.30	31
2013/11/01	MF	DS3	16:12:59	T	1.0	285.3	0.53	26.51	29.09	152.85	10.43	10.38	8.34	14
2013/11/01	MF	DS3	16:13:59	B	2.0	229.2	1.40	25.83	29.35	140.65	9.70	23.29	8.30	33
2013/11/01	MF	DS3	16:14:59	T	1.0	285.3	0.53	26.52	29.08	154.94	10.57	8.68	8.35	13
2013/11/01	MF	DS4	16:20:29	B	2.0	40.8	0.23	25.82	29.42	143.14	9.87	8.98	8.29	17
2013/11/01	MF	DS4	16:21:24	T	1.0	262.2	0.94	25.88	29.38	145.74	10.04	6.68	8.30	7
2013/11/01	MF	DS4	16:22:24	B	2.0	296.5	1.04	25.77	29.45	143.74	9.91	9.68	8.30	16
2013/11/01	MF	DS4	16:23:09	T	1.0	144.0	0.35	26.04	29.33	146.34	10.05	6.98	8.31	6
2013/11/01	MF	DS4	16:23:59	B	2.0	144.2	0.87	25.80	29.44	144.04	9.93	10.98	8.30	16
2013/11/01	MF	DS4	16:24:59	T	1.0	68.4	0.48	26.08	29.28	148.94	10.23	8.48	8.32	5
2013/11/01	MF	DS5	16:33:24	B	5.1	1.4	0.08	25.86	29.50	144.93	9.98	9.08	8.31	13
2013/11/01	MF	DS5	16:34:19	M	3.5	193.7	0.42	26.45	29.37	151.73	10.35	4.77	8.33	7
2013/11/01	MF	DS5	16:35:09	T	1.1	195.4	0.81	26.99	29.24	151.92	10.28	3.97	8.32	5
2013/11/01	MF	DS5	16:35:59	B	5.0	234.1	0.71	25.86	29.50	146.73	10.10	8.68	8.31	11
2013/11/01	MF	DS5	16:36:59	M	3.5	345.5	0.43	26.85	29.32	152.72	10.35	4.07	8.31	9
2013/11/01	MF	DS5	16:38:04	T	1.0	305.7	0.33	27.43	29.29	147.62	9.91	3.37	8.30	5
2013/11/01	MF	DS5	16:39:04	B	5.0	294.3	0.52	25.84	29.51	146.62	10.10	9.78	8.30	12
2013/11/01	MF	DS5	16:39:59	M	3.5	296.4	0.55	26.58	29.29	150.72	10.26	12.58	8.31	7
2013/11/01	MF	DS5	16:40:59	T	1.0	197.5	0.13	27.13	29.22	150.52	10.16	5.28	8.31	5
2013/11/01	MF	US1	17:30:14	B	3.1	286.6	0.54	26.01	28.48	135.68	9.37	5.68	8.28	9
2013/11/01	MF	US1	17:31:09	T	1.0	259.8	0.45	25.98	28.44	137.18	9.48	5.38	8.27	8
2013/11/01	MF	US1	17:32:09	B	3.0	123.4	0.29	25.99	28.41	137.28	9.49	6.38	8.26	8
2013/11/01	MF	US1	17:32:59	T	1.0	259.8	0.45	25.97	28.39	137.28	9.49	6.98	8.25	8
2013/11/01	MF	US1	17:33:59	B	3.0	79.0	0.19	25.98	28.38	137.28	9.49	6.58	8.25	8
2013/11/01	MF	US1	17:34:59	T	1.0	259.8	0.45	25.98	28.37	137.08	9.48	5.98	8.23	7
2013/11/01	MF	US2	17:39:39	B	3.4	291.3	1.03	25.74	29.22	122.09	8.44	8.78	8.12	7
2013/11/01	MF	US2	17:40:34	T	1.0	325.7	0.52	26.08	28.29	140.47	9.70	4.17	8.22	5
2013/11/01	MF	US2	17:41:19	B	3.0	208.7	0.79	25.78	29.18	124.48	8.60	6.88	8.14	8
2013/11/01	MF	US2	17:42:04	T	1.1	127.7	0.82	26.08	28.29	140.17	9.68	4.17	8.22	6
2013/11/01	MF	US2	17:42:59	B	3.0	89.6	0.13	25.77	29.18	122.88	8.49	7.48	8.14	9
2013/11/01	MF	US2	17:43:59	T	1.0	348.3	0.50	26.08	28.29	141.16	9.75	3.77	8.22	4
2013/11/01	MF	MW1	17:51:33	B	19.0	17.0	0.69	25.68	31.27	97.66	6.68	9.16	7.90	14
2013/11/01	MF	MW1	17:52:26	M	10.3	0.5	0.46	25.68	31.23	98.68	6.75	8.70	7.90	14
2013/11/01	MF	MW1	17:53:15	T	1.0	196.0	1.08	25.70	30.99	105.23	7.20	4.66	7.93	8
2013/11/01	MF	MW1	17:55:02	B	19.0	304.1	0.25	25.68	31.27	97.48	6.67	8.75	7.88	14
2013/11/01	MF	MW1	17:56:08	M	10.5	141.8	0.73	25.68	31.23	98.42	6.73	7.39	7.89	13
2013/11/01	MF	MW1	17:57:10	T	1.0	260.8	0.48	25.71	30.90	108.58	7.44	4.06	7.94	7
2013/11/01	MF	MW1	17:58:19	B	19.0	107.7	0.45	25.67	31.28	97.20	6.65	9.24	7.88	13
2013/11/01	MF	MW1	17:59:09	M	10.6	105.8	0.76	25.68	31.24	97.71	6.68	7.25	7.88	14
2013/11/01	MF	MW1	18:00:09	T	1.0	176.7	0.47	25.70	30.90	107.84	7.39	4.13	7.93	8
2013/11/01	MF	THB1	16:25:21	B	3.0	154.4	0.34	26.00	29.58	141.16	9.69	6.11	8.15	9
2013/11/01	MF	THB1	16:26:20	T	1.1	327.4	0.80	26.36	29.26	146.61	10.02	3.97	8.16	7
2013/11/01	MF	THB1	16:27:09	B	2.9	316.2	0.24	26.55	29.24	145.93	9.95	3.80	8.16	10
2013/11/01	MF	THB1	16:28:08	T	1.1	275.1	0.23	26.28	29.21	146.23	10.01	4.10	8.16	8
2013/11/01	MF	THB1	16:28:57	B	2.9	316.2	0.24	25.85	29.62	141.62	9.75	6.98	8.14	10
2013/11/01	MF	THB1	16:29:41	T	1.1	206.3	1.05	25.94	29.45	142.77	9.82	6.18	8.14	8
2013/11/01	MF	THB2	16:33:22	M	1.4	40.0	0.03	26.36	29.45	121.29	8.28	4.77	8.03	7
2013/11/01	MF	THB2	16:34:19	M	1.4	40.0	0.03	26.34	29.46	121.18	8.28	4.67	8.05	7
2013/11/01	MF	THB2	16:35:19	M	1.4	40.0	0.03	26.31	29.46	122.06	8.34	5.38	8.05	7
2013/11/01	MF	WSR45C	17:08:55	B	12.8	296.5	0.73	25.56	30.89	98.00	6.73	16.28	7.93	21
2013/11/01	MF	WSR45C	17:09:46	M	7.7	263.5	0.74	25.60	30.61	106.36	7.31	10.63	7.96	13
2013/11/01	MF	WSR45C	17:10:35	T	0.9	264.6	0.67	26.03	29.19	144.21	9.92	3.95	8.13	6
2013/11/01	MF	WSR45C	17:11:37	B	13.1	201.8	0.65	25.56	30.90	99.45	6.83	16.48	7.91	22
2013/11/01	MF	WSR45C	17:12:22	M	7.5	48.7	0.37	25.61	30.53	108.15	7.44	9.40	7.96	13
2013/11/01	MF	WSR45C	17:13:09	T	1.0	332.3	0.68	26.00	29.29	142.56	9.80	4.45	8.13	6
2013/11/01	MF	WSR45C	17:14:10	B	13.1	201.8	0.65	25.56	30.90	99.78	6.85	19.15	7.91	22
2013/11/01	MF	WSR45C	17:15:20	M	7.4	187.3	0.49	25.63	30.34	111.04	7.64	8.18	7.97	14
2013/11/01	MF	WSR45C	17:16:08	T	0.9	260.1	0.89	25.98	29.36	141.66	9.74	4.29	8.11	5
2013/11/01	MF	WSR46	15:55:07	B	9.0	250.0	0.72	25.45	29.70	112.55	7.79	16.22	8.02	18
2013/11/01	MF	WSR46	15:57:10	M	5.8	269.7	0.95	25.48	29.68	111.94	7.75	12.82	8.02	12
2013/11/01	MF	WSR46	15:58:14	T	1.2	299.5	1.00	25.61	29.08	120.70	8.37	5.25	8.05	10
2013/11/01	MF	WSR46	15:59:09	B	8.7	269.4	1.33	25.48	29.70	112.18	7.77	16.92	8.01	12
2013/11/01	MF	WSR46	16:00:06	M	5.8	313.0	1.14	25.55	29.75	114.78	7.93	12.54	8.02	18
2013/11/01	MF	WSR46	16:01:08	T	1.0	291.7	0.37	25.61	29.15	119.42	8.27	5.68	8.04	11
2013/11/01	MF	WSR46	16:02:09	B	8.9	283.0	0.28	25.53	29.80	113.51	7.85	20.30	8.01	18
2013/11/01	MF	WSR46	16:03:02	M	5.4	197.0	0.63	25.60	29.68	116.64	8.06	12.95	8.03	12
2013/11/01	MF	WSR46	16:04:07	T	1.1	283.6	1.06	25.61	29.29	119.15	8.25	5.95	8.04	11

