

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)
2013/12/23	MF	DS1	10:10:43	B	2.0	231.9	0.73	17.23	31.92	94.88	7.53	12.15	8.15	21
2013/12/23	MF	DS1	10:11:17	T	1.1	41.4	0.67	17.22	31.93	94.19	7.48	11.75	8.15	16
2013/12/23	MF	DS1	10:12:11	B	2.0	319.0	0.60	17.19	31.93	93.89	7.46	13.85	8.15	15
2013/12/23	MF	DS1	10:14:37	T	1.1	41.4	0.67	17.19	31.93	93.71	7.44	15.15	8.15	22
2013/12/23	MF	DS1	10:15:46	B	2.0	124.2	0.44	17.20	31.95	93.72	7.44	15.35	8.14	19
2013/12/23	MF	DS1	10:16:24	T	1.0	41.4	0.67	17.24	31.96	93.83	7.44	12.55	8.14	17
2013/12/23	MF	DS2	10:24:33	B	2.0	98.5	0.98	17.13	31.91	95.11	7.56	11.05	8.15	17
2013/12/23	MF	DS2	10:25:14	T	1.1	102.2	0.43	17.12	31.91	94.91	7.55	9.65	8.15	22
2013/12/23	MF	DS2	10:26:26	B	2.0	207.7	0.71	17.14	31.91	94.92	7.55	8.05	8.15	38
2013/12/23	MF	DS2	10:27:06	T	1.1	102.2	0.43	17.15	31.91	94.93	7.55	7.45	8.15	23
2013/12/23	MF	DS2	10:28:13	B	2.0	356.2	0.72	17.13	31.91	94.74	7.53	7.45	8.15	37
2013/12/23	MF	DS2	10:29:07	T	1.0	102.2	0.43	17.13	31.91	94.95	7.55	7.35	8.15	23
2013/12/23	MF	DS3	10:34:05	M	1.5	186.9	0.96	16.90	31.93	97.20	7.76	11.35	8.14	8
2013/12/23	MF	DS3	10:35:07	M	1.5	186.9	0.96	16.94	31.93	95.70	7.64	8.65	8.13	11
2013/12/23	MF	DS3	10:36:23	T	1.4	186.9	0.96	16.93	31.93	95.81	7.65	8.85	8.13	9
2013/12/23	MF	DS4	10:44:31	B	3.0	331.6	0.55	16.90	31.88	94.38	7.54	17.55	8.12	17
2013/12/23	MF	DS4	10:45:31	T	1.1	79.9	0.35	16.92	31.88	94.39	7.54	13.75	8.12	20
2013/12/23	MF	DS4	10:46:26	B	3.0	25.5	0.53	16.90	31.88	94.19	7.52	15.45	8.12	19
2013/12/23	MF	DS4	10:47:25	T	1.1	246.1	0.94	16.92	31.87	94.30	7.53	14.25	8.12	19
2013/12/23	MF	DS4	10:48:09	B	3.1	219.2	0.19	16.90	31.88	94.11	7.52	15.65	8.11	33
2013/12/23	MF	DS4	10:49:08	T	0.9	246.1	0.94	16.93	31.88	94.22	7.52	14.45	8.12	18
2013/12/23	MF	DS5	10:54:48	B	4.0	20.6	0.34	16.81	31.94	96.38	7.71	9.75	8.13	11
2013/12/23	MF	DS5	10:56:17	M	3.0	343.9	0.42	16.93	31.92	95.09	7.59	8.05	8.12	9
2013/12/23	MF	DS5	10:57:10	T	1.1	329.1	1.38	16.94	31.92	95.40	7.61	7.85	8.12	7
2013/12/23	MF	DS5	10:58:20	B	4.1	207.1	0.35	16.94	31.91	95.31	7.61	8.05	8.12	13
2013/12/23	MF	DS5	10:59:14	M	3.0	188.9	0.84	16.92	31.91	95.31	7.61	7.65	8.12	11
2013/12/23	MF	DS5	11:00:06	T	1.0	328.1	1.38	17.09	31.89	95.93	7.63	6.25	8.12	10
2013/12/23	MF	DS5	11:01:06	B	4.0	63.3	0.27	16.85	31.92	95.03	7.60	8.65	8.12	9
2013/12/23	MF	DS5	11:02:07	M	3.1	181.7	0.21	16.91	31.92	95.04	7.59	9.15	8.12	9
2013/12/23	MF	DS5	11:03:09	T	0.9	48.3	0.28	17.05	31.91	95.65	7.62	7.25	8.12	8
2013/12/23	MF	US1	11:35:28	B	3.0	132.2	0.25	17.52	31.85	97.56	7.70	6.85	8.15	9
2013/12/23	MF	US1	11:37:14	T	1.0	167.0	0.26	17.56	31.81	95.25	7.52	6.65	8.13	8
2013/12/23	MF	US1	11:38:25	B	3.0	202.1	0.04	17.53	31.80	94.76	7.48	7.15	8.12	8
2013/12/23	MF	US1	11:39:15	T	1.2	167.0	0.26	17.58	31.78	94.76	7.48	6.95	8.12	7
2013/12/23	MF	US1	11:40:30	B	3.0	120.2	0.28	17.52	31.79	94.47	7.46	6.95	8.12	10
2013/12/23	MF	US1	11:41:24	T	1.1	167.0	0.26	17.58	31.81	94.68	7.47	6.55	8.12	8
2013/12/23	MF	US2	11:47:44	B	3.1	268.9	0.70	17.68	31.94	96.96	7.63	6.75	8.14	9
2013/12/23	MF	US2	11:48:35	T	1.4	15.4	0.19	17.67	31.92	94.44	7.43	7.35	8.12	6
2013/12/23	MF	US2	11:49:25	B	3.0	258.6	0.59	17.68	31.92	93.94	7.39	6.55	8.12	8
2013/12/23	MF	US2	11:50:32	T	1.0	46.3	0.19	17.82	31.90	94.66	7.43	5.35	8.12	6
2013/12/23	MF	US2	11:51:42	B	3.2	40.6	0.17	17.72	31.90	93.27	7.40	5.95	8.12	7
2013/12/23	MF	US2	11:52:35	T	1.1	84.7	0.57	17.80	31.90	94.58	7.42	5.25	8.11	7
2013/12/23	MF	MW1	9:58:19	B	17.9	259.1	17.85	32.88	91.60	7.01	4.21	7.99	5	
2013/12/23	MF	MW1	9:59:15	M	10.0	327.7	0.09	18.83	32.87	91.59	7.01	3.82	8.03	5
2013/12/23	MF	MW1	10:00:09	T	0.9	340.6	0.67	18.66	32.68	91.82	7.06	3.83	8.04	5
2013/12/23	MF	MW1	10:01:29	B	18.1	118.6	0.40	18.91	32.97	91.37	6.98	4.85	8.05	7
2013/12/23	MF	MW1	10:02:40	M	9.9	336.5	0.08	18.88	32.94	91.37	6.98	4.31	8.06	7
2013/12/23	MF	MW1	10:03:29	T	1.1	68.9	0.36	18.60	32.66	91.70	7.06	3.85	8.05	5
2013/12/23	MF	MW1	10:04:54	B	18.3	118.6	0.40	18.96	33.03	91.27	6.96	4.55	8.06	6
2013/12/23	MF	MW1	10:05:44	M	9.7	76.7	0.32	18.75	32.82	91.71	7.03	3.93	8.05	5
2013/12/23	MF	MW1	10:06:34	T	1.1	346.6	0.46	18.57	32.62	92.21	7.10	3.79	8.05	5
2013/12/23	MF	THB1	11:03:39	B	3.0	124.5	0.15	17.48	31.74	95.29	7.53	8.17	8.01	10
2013/12/23	MF	THB1	11:04:24	T	1.1	54.9	0.28	17.56	31.66	95.43	7.54	7.51	8.01	9
2013/12/23	MF	THB1	11:05:13	B	3.2	340.2	0.22	17.49	31.75	94.55	7.47	8.01	8.00	9
2013/12/23	MF	THB1	11:05:59	T	1.1	178.0	0.29	17.52	31.71	94.93	7.50	7.53	8.00	9
2013/12/23	MF	THB1	11:06:59	B	3.1	181.0	0.11	17.47	31.75	94.33	7.46	7.83	8.00	9
2013/12/23	MF	THB1	11:07:59	T	1.0	169.8	0.35	17.52	31.65	95.18	7.52	7.36	8.00	8
2013/12/23	MF	THB2	11:09:41	M	1.4	40.0	0.03	17.31	31.62	96.49	7.66	4.08	7.63	5
2013/12/23	MF	THB2	11:10:42	M	1.4	40.0	0.03	17.31	31.63	96.44	7.65	4.38	7.64	4
2013/12/23	MF	THB2	11:11:37	M	1.4	40.0	0.03	17.32	31.65	96.19	7.63	4.98	7.65	4
2013/12/23	MF	WSR45C	10:36:15	B	11.9	204.4	0.23	18.66	32.67	93.08	7.16	12.48	8.05	13
2013/12/23	MF	WSR45C	10:36:59	M	6.8	255.1	1.01	17.75	31.72	93.51	7.36	5.70	8.03	8
2013/12/23	MF	WSR45C	10:38:04	T	0.9	272.7	0.47	17.77	31.57	95.24	7.50	4.26	8.03	4
2013/12/23	MF	WSR45C	10:39:19	B	12.1	197.5	0.55	18.72	32.72	92.16	7.07	12.40	8.05	16
2013/12/23	MF	WSR45C	10:40:04	M	6.8	255.1	1.01	18.32	32.34	92.39	7.16	7.29	8.04	9
2013/12/23	MF	WSR45C	10:40:59	T	1.0	226.8	0.56	17.78	31.57	95.00	7.47	3.98	8.03	7
2013/12/23	MF	WSR45C	10:42:04	B	12.1	235.8	0.44	18.78	32.78	92.02	7.05	12.83	8.05	16
2013/12/23	MF	WSR45C	10:43:00	M	6.9	251.3	0.73	17.95	31.89	93.72	7.34	5.77	8.02	7
2013/12/23	MF	WSR45C	10:43:59	T	0.9	255.9	0.44	17.78	31.57	95.03	7.48	4.02	8.02	4
2013/12/23	MF	WSR46	11:38:49	B	9.2	276.4	0.70	17.65	31.69	94.08	7.42	12.46	7.97	14
2013/12/23	MF	WSR46	11:39:39	M	5.5	328.4	0.70	17.69	31.69	94.19	7.42	9.96	7.97	11
2013/12/23	MF	WSR46	11:40:24	T	1.1	327.7	0.65	17.74	31.68	94.40	7.43	8.63	7.97	10
2013/12/23	MF	WSR46	11:41:24	B	9.4	300.7	1.19	17.65	31.70	93.65	7.38	12.90	7.97	14
2013/12/23	MF	WSR46	11:42:19	M	5.2	285.2	1.03	17.72	31.68	94.10	7.41	9.10	7.97	10
2013/12/23	MF	WSR46	11:43:29	T	1.0	325.6	1.01	17.75	31.67	94.31	7.42	8.44	7.97	10
2013/12/23	MF	WSR46	11:44:29	B	8.8	312.8	0.47	17.66	31.69	93.67	7.38	12.44	7.97	14
2013/12/23	MF	WSR46	11:45:19	M	5.8	336.0	0.72	17.68	31.68	93.88	7.40	10.18	7.97	11
2013/12/23	MF	WSR46	11:46:04	T	1.2	335.6	1.00	17.75	31.67	94.26	7.42	8.47	7.97	10

