

## 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)
2013/12/13	MF	DS1	14:44:15	B	2.5	274.5	1.07	20.00	31.59	89.48	6.75	9.78	7.95	12
2013/12/13	MF	DS1	14:45:10	T	1.0	200.0	1.32	19.96	31.50	91.13	6.89	8.28	7.95	8
2013/12/13	MF	DS1	14:46:07	B	2.5	274.5	1.07	19.99	31.57	89.32	6.74	9.38	7.95	12
2013/12/13	MF	DS1	14:47:11	T	1.0	200.0	1.32	19.98	31.54	90.57	6.84	8.58	7.95	9
2013/12/13	MF	DS1	14:48:04	B	2.5	274.5	1.07	19.99	31.56	90.39	6.82	10.18	7.95	13
2013/12/13	MF	DS1	14:48:58	T	1.0	200.0	1.32	19.99	31.55	90.00	6.80	10.78	7.95	8
2013/12/13	MF	DS2	14:53:59	B	2.0	350.8	0.32	19.93	31.44	93.39	7.06	8.18	7.95	7
2013/12/13	MF	DS2	14:55:08	T	1.0	107.1	0.27	19.87	31.36	93.32	7.07	6.08	7.95	8
2013/12/13	MF	DS2	14:56:08	B	2.0	350.8	0.32	19.91	31.40	91.51	6.93	7.18	7.94	8
2013/12/13	MF	DS2	14:57:18	T	1.0	107.1	0.27	19.88	31.37	93.27	7.06	5.78	7.94	7
2013/12/13	MF	DS2	14:58:22	B	2.0	230.8	0.25	19.93	31.42	91.67	6.93	7.28	7.94	4
2013/12/13	MF	DS2	14:59:31	T	1.0	226.9	0.24	19.88	31.36	93.53	7.08	5.78	7.95	6
2013/12/13	MF	DS3	15:03:59	B	2.0	333.4	0.07	19.90	31.35	93.24	7.06	8.38	7.96	9
2013/12/13	MF	DS3	15:05:10	T	1.0	223.5	0.61	19.86	31.30	95.11	7.21	6.48	7.96	7
2013/12/13	MF	DS3	15:06:09	B	2.4	2.5	0.61	19.89	31.38	93.71	7.10	7.88	7.95	9
2013/12/13	MF	DS3	15:07:07	T	0.8	223.5	0.61	19.87	31.29	95.16	7.21	6.88	7.96	8
2013/12/13	MF	DS3	15:08:06	B	2.1	218.2	0.34	19.86	31.33	93.55	7.09	7.08	7.96	8
2013/12/13	MF	DS3	15:09:09	T	1.0	223.5	0.61	19.86	31.30	95.12	7.21	6.78	7.96	8
2013/12/13	MF	DS4	15:14:29	B	3.5	151.5	0.66	19.87	31.30	96.49	7.31	9.78	7.98	11
2013/12/13	MF	DS4	15:15:13	T	1.0	8.3	0.67	19.86	31.26	97.12	7.36	6.68	7.98	7
2013/12/13	MF	DS4	15:16:06	B	3.5	308.8	0.08	19.88	31.31	95.20	7.21	10.68	7.97	12
2013/12/13	MF	DS4	15:17:07	T	1.0	8.3	0.67	19.89	31.27	97.07	7.35	6.48	7.98	8
2013/12/13	MF	DS4	15:18:10	B	3.6	20.3	0.11	19.88	31.31	95.36	7.22	8.38	7.97	10
2013/12/13	MF	DS4	15:19:09	T	1.0	8.3	0.67	19.89	31.28	96.62	7.34	6.48	7.97	7
2013/12/13	MF	DS5	15:24:47	B	5.0	249.1	0.38	19.83	31.45	96.05	7.28	11.28	7.97	12
2013/12/13	MF	DS5	15:25:20	M	3.5	334.2	0.48	19.82	31.34	97.30	7.38	6.28	7.97	4
2013/12/13	MF	DS5	15:26:10	T	1.0	40.9	0.98	19.83	31.32	98.35	7.46	4.48	7.97	4
2013/12/13	MF	DS5	15:27:37	B	5.0	271.7	0.33	19.82	31.45	96.13	7.28	10.18	7.98	12
2013/12/13	MF	DS5	15:28:23	M	3.5	334.2	0.48	19.82	31.39	96.45	7.31	5.88	7.98	7
2013/12/13	MF	DS5	15:29:05	T	1.0	40.9	0.98	19.81	31.29	99.15	7.52	3.88	7.99	6
2013/12/13	MF	DS5	15:30:21	B	5.4	227.2	0.47	19.84	31.51	94.86	7.18	9.38	7.98	12
2013/12/13	MF	DS5	15:31:14	M	3.5	0.6	0.52	19.82	31.41	96.02	7.28	6.18	7.98	6
2013/12/13	MF	DS5	15:32:08	T	1.0	322.7	0.69	19.84	31.27	99.23	7.53	4.08	7.98	5
2013/12/13	MF	US1	15:46:51	B	3.0	285.2	0.54	20.25	31.87	91.89	6.89	6.68	7.96	6
2013/12/13	MF	US1	15:47:31	T	1.0	168.1	1.07	20.19	31.75	92.64	6.96	5.78	7.97	7
2013/12/13	MF	US1	15:48:21	B	3.0	241.8	0.63	20.25	31.86	90.38	6.78	6.38	7.95	6
2013/12/13	MF	US1	15:49:15	T	1.0	288.3	0.43	20.20	31.76	92.68	6.96	5.38	7.95	6
2013/12/13	MF	US1	15:50:08	B	3.0	171.7	0.51	20.25	31.88	90.22	6.77	6.58	7.94	6
2013/12/13	MF	US1	15:51:07	T	1.0	288.3	0.43	20.20	31.77	92.83	6.97	4.68	7.95	6
2013/12/13	MF	US2	15:55:03	B	4.0	65.1	0.17	20.26	31.94	93.66	7.02	4.78	7.95	5
2013/12/13	MF	US2	15:58:09	M	3.0	356.9	0.35	20.25	31.92	91.00	6.83	4.48	7.94	6
2013/12/13	MF	US2	15:57:07	T	1.0	233.6	0.81	20.21	31.81	93.51	7.02	3.78	7.95	6
2013/12/13	MF	US2	15:58:26	B	4.1	187.0	0.70	20.28	31.97	92.20	6.91	4.98	7.94	5
2013/12/13	MF	US2	15:59:14	M	3.0	308.0	0.17	20.25	31.92	91.49	6.86	4.48	7.94	6
2013/12/13	MF	US2	16:00:07	T	1.0	233.6	0.81	20.20	31.83	93.90	7.05	3.58	7.95	4
2013/12/13	MF	US2	16:01:07	B	4.0	282.1	0.49	20.28	31.97	90.61	6.79	5.58	7.94	5
2013/12/13	MF	US2	16:01:52	M	3.0	247.2	0.56	20.24	31.90	92.29	6.92	4.18	7.95	5
2013/12/13	MF	US2	16:02:31	T	1.0	233.6	0.81	20.20	31.83	93.65	7.03	3.48	7.95	4
2013/12/13	MF	MW1	16:55:03	B	19.0	283.7	0.35	20.64	32.75	90.65	6.72	4.18	7.95	7
2013/12/13	MF	MW1	16:56:12	M	10.5	104.3	0.13	20.64	32.76	90.78	6.73	3.78	7.95	5
2013/12/13	MF	MW1	16:57:10	T	1.0	83.3	0.25	20.62	32.74	91.44	6.78	3.38	7.95	5
2013/12/13	MF	MW1	16:59:00	B	18.9	208.7	0.50	20.64	32.77	90.44	6.70	3.98	7.96	8
2013/12/13	MF	MW1	17:00:10	M	10.5	238.0	0.24	20.63	32.76	90.57	6.71	3.28	7.95	5
2013/12/13	MF	MW1	17:01:09	T	1.1	183.7	0.08	20.62	32.74	91.34	6.77	3.28	7.95	6
2013/12/13	MF	MW1	17:02:36	B	18.8	110.2	0.19	20.64	32.76	90.21	6.68	3.58	7.95	6
2013/12/13	MF	MW1	17:03:22	M	10.6	150.4	0.17	20.64	32.76	90.66	6.72	3.38	7.95	6
2013/12/13	MF	MW1	17:04:08	T	1.0	315.9	0.28	20.63	32.77	91.42	6.77	3.28	7.96	6
2013/12/13	MF	THB1	14:27:38	B	2.4	278.7	0.77	19.84	31.23	93.72	7.11	4.78	7.95	8
2013/12/13	MF	THB1	14:28:29	T	1.0	289.8	0.67	19.83	31.21	93.34	7.08	6.28	7.95	4
2013/12/13	MF	THB1	14:29:18	B	2.5	316.3	0.22	19.89	31.29	91.13	6.90	4.98	7.94	7
2013/12/13	MF	THB1	14:30:11	T	1.0	169.6	0.68	19.83	31.21	92.77	7.04	4.48	7.95	4
2013/12/13	MF	THB1	14:31:08	B	2.5	344.0	0.72	19.89	31.30	91.28	6.91	5.08	7.94	5
2013/12/13	MF	THB1	14:32:08	T	1.0	179.6	0.51	19.88	31.28	92.11	6.98	4.78	7.94	5
2013/12/13	MF	WSR45C	16:13:23	B	12.2	263.5	0.57	20.50	32.50	90.19	6.71	8.28	7.96	10
2013/12/13	MF	WSR45C	16:14:10	M	7.0	187.4	0.32	20.47	32.39	90.32	6.73	5.78	7.96	8
2013/12/13	MF	WSR45C	16:15:09	T	1.0	238.7	0.23	20.22	31.95	94.10	7.06	3.38	7.96	5
2013/12/13	MF	WSR45C	16:16:48	B	12.1	105.1	0.11	20.51	32.52	89.87	6.68	9.08	7.96	12
2013/12/13	MF	WSR45C	16:17:41	M	7.0	201.4	0.48	20.47	32.41	90.10	6.71	6.48	7.96	11
2013/12/13	MF	WSR45C	16:18:22	T	1.0	242.3	0.33	20.24	31.98	93.24	6.99	4.18	7.96	5
2013/12/13	MF	WSR45C	16:19:17	B	12.0	294.4	0.11	20.51	32.53	89.62	6.66	9.08	7.96	9
2013/12/13	MF	WSR45C	16:20:09	M	7.0	276.6	0.69	20.46	32.39	90.06	6.71	5.38	7.96	10
2013/12/13	MF	WSR45C	16:21:09	T	1.0	225.6	0.48	20.24	31.97	93.84	7.04	4.28	7.96	4
2013/12/13	MF	WSR46	14:01:15	B	8.0	204.0	0.62	20.15	31.88	91.23	6.85	9.78	7.92	13
2013/12/13	MF	WSR46	14:02:16	M	5.0	60.1	0.12	20.15	31.89	90.55	6.80	7.78	7.93	8
2013/12/13	MF	WSR46	14:03:10	T	1.0	313.1	0.60	20.16	31.87	90.88	6.83	6.18	7.92	7
2013/12/13	MF	WSR46	14:05:01	B	8.0	41.0	0.24	20.16	31.88	90.42	6.79	6.88	7.93	13
2013/12/13	MF	WSR46	14:06:08	M	5.0	277.5	0.12	20.16	31.88	90.05	6.76	5.58	7.93	6
2013/12/13	MF	WSR46	14:07:09	T	1.0	313.1	0.60	20.16	31.87	90.48	6.80	5.08	7.93	8
2013/12/13	MF	WSR46	14:08:07	B	8.0	308.6	0.71	20.16	31.89	89.90	6.75	9.08	7.94	12
2013/12/13	MF	WSR46	14:09:08	M	5.0	277.5	0.12	20.16	31.88	90.22	6.78	6.28	7.94	6
2013/12/13	MF	WSR46	14:10:07	T	1.0	278.0	0.84	20.17	31.87	90.75	6.82	5.48	7.94	10

