

Table 1 Insitu Testing

Date	Tidal Mode	Time	Position	In-situ Testing					
				Water Depth (m)	Sample Depth (m)	Temp (°C)	DO Sat (%)	DO Conc. (mg/l)	pH
19-Dec-13	Mid-Ebb	9:33	L1	2.30	1.20	19.24	95.56	7.30	7.92
19-Dec-13	Mid-Ebb	10:44	L2	12.00	10.50	19.35	94.38	7.13	8.15
19-Dec-13	Mid-Ebb	10:46	L2	12.00	5.70	19.38	94.55	7.14	8.19
19-Dec-13	Mid-Ebb	10:47	L2	12.00	0.90	19.39	94.67	7.15	8.20
19-Dec-13	Mid-Flood	16:32	L1	2.50	1.20	19.68	101.91	7.64	8.10
19-Dec-13	Mid-Flood	16:55	L2	12.00	10.80	19.45	98.38	7.42	7.99
19-Dec-13	Mid-Flood	16:56	L2	12.00	5.90	19.51	98.74	7.44	8.00
19-Dec-13	Mid-Flood	16:58	L2	12.00	1.00	19.50	98.48	7.42	8.02
28-Dec-13	Mid-Ebb	10:40	L1	1.60	0.70	16.55	100.22	7.99	8.07
28-Dec-13	Mid-Ebb	11:32	L2	13.00	10.90	16.85	97.07	7.70	8.01
28-Dec-13	Mid-Ebb	11:33	L2	13.00	6.40	16.92	97.18	7.70	8.06
28-Dec-13	Mid-Ebb	11:34	L2	13.00	1.10	19.94	97.40	7.71	8.07
28-Dec-13	Mid-Flood	17:29	L1	2.80	1.40	17.25	105.10	8.27	7.80
28-Dec-13	Mid-Flood	18:00	L2	13.20	10.90	17.01	100.31	7.93	8.08
28-Dec-13	Mid-Flood	18:01	L2	13.20	6.70	17.02	99.90	7.85	8.09
28-Dec-13	Mid-Flood	18:02	L2	13.20	1.20	17.02	98.76	7.81	8.09
3-Jan-14	Mid-Ebb	9:31	L1	1.50	0.80	17.98	99.48	7.73	7.78
3-Jan-14	Mid-Ebb	10:17	L2	12.60	11.20	17.66	101.10	7.89	7.82
3-Jan-14	Mid-Ebb	10:19	L2	12.60	6.00	17.84	101.49	7.89	7.82
3-Jan-14	Mid-Ebb	10:22	L2	12.60	1.00	17.88	100.99	7.84	7.83
3-Jan-14	Mid-Flood	17:57	L1	2.50	1.30	17.49	96.07	7.53	8.04
3-Jan-14	Mid-Flood	18:20	L2	12.30	11.10	17.07	94.25	7.43	8.00
3-Jan-14	Mid-Flood	18:21	L2	12.30	5.90	17.13	94.62	7.45	8.00
3-Jan-14	Mid-Flood	18:26	L2	12.30	1.00	17.59	96.73	7.55	7.99
8-Jan-14	Mid-Ebb	9:23	L1	1.20	0.60	17.17	89.70	7.07	7.91
8-Jan-14	Mid-Ebb	10:06	L2	11.50	10.50	16.99	94.26	7.44	7.95
8-Jan-14	Mid-Ebb	10:07	L2	11.50	6.00	16.99	91.31	7.21	7.95
8-Jan-14	Mid-Ebb	10:09	L2	11.50	1.00	16.99	85.34	6.74	7.95
8-Jan-14	Mid-Flood	16:19	L1	1.40	0.60	17.61	94.31	7.37	8.01
8-Jan-14	Mid-Flood	16:40	L2	13.10	11.90	17.02	92.98	7.33	8.05
8-Jan-14	Mid-Flood	16:42	L2	13.10	6.50	17.03	92.82	7.32	8.06
8-Jan-14	Mid-Flood	16:43	L2	13.10	1.00	17.30	93.28	7.32	8.06
16-Jan-14	Mid-Ebb	6:31	L1	1.80	1.00	15.38	100.29	8.22	8.11
16-Jan-14	Mid-Ebb	7:12	L2	12.20	11.20	16.06	108.39	8.76	8.17
16-Jan-14	Mid-Ebb	7:15	L2	12.20	6.10	16.09	107.75	8.70	8.16
16-Jan-14	Mid-Ebb	7:16	L2	12.20	1.10	16.07	107.72	8.70	8.15
16-Jan-14	Mid-Flood	12:05	L1	2.40	1.30	16.40	112.59	9.04	8.18
16-Jan-14	Mid-Flood	12:29	L2	12.80	11.90	16.14	103.99	8.39	8.17
16-Jan-14	Mid-Flood	12:31	L2	12.80	6.40	16.19	104.09	8.39	8.17
16-Jan-14	Mid-Flood	12:33	L2	12.80	1.10	16.28	104.53	8.41	8.16
22-Jan-14	Mid-Ebb	7:44	L1	1.20	0.60	14.70	96.90	8.10	8.06
22-Jan-14	Mid-Ebb	8:10	L2	13.00	11.80	15.45	102.49	8.39	8.11
22-Jan-14	Mid-Ebb	8:12	L2	13.00	6.50	15.52	102.90	8.41	8.11

Date	Tidal Mode	Time	Position	In-situ Testing					
				Water Depth (m)	Sample Depth (m)	Temp (°C)	DO Sat (%)	DO Conc. (mg/l)	pH
22-Jan-14	Mid-Ebb	8:13	L2	13.00	1.00	15.52	103.30	8.45	8.11
22-Jan-14	Mid-Flood	13:59	L1	2.00	1.00	16.04	100.76	8.16	8.11
22-Jan-14	Mid-Flood	14:18	L2	13.60	12.60	15.76	92.16	7.50	8.15
22-Jan-14	Mid-Flood	14:20	L2	13.60	6.90	15.75	90.31	7.35	8.15
22-Jan-14	Mid-Flood	14:22	L2	13.60	1.10	15.81	86.11	7.00	8.15
29-Jan-14	Mid-Ebb	8:50	L1	1.40	0.70	16.11	95.92	7.74	8.02
29-Jan-14	Mid-Ebb	9:15	L2	12.40	11.40	16.65	96.36	7.93	8.08
29-Jan-14	Mid-Ebb	9:18	L2	12.40	6.20	16.65	102.03	8.15	8.09
29-Jan-14	Mid-Ebb	9:20	L2	12.40	1.00	16.70	98.65	7.87	8.09
29-Jan-14	Mid-Flood	18:08	L1	2.40	1.20	16.80	100.52	8.00	8.09
29-Jan-14	Mid-Flood	18:22	L2	13.80	12.80	16.94	99.82	7.92	8.10
29-Jan-14	Mid-Flood	18:24	L2	13.80	6.90	16.94	100.11	7.94	8.10
29-Jan-14	Mid-Flood	18:25	L2	13.80	0.90	16.95	100.77	7.99	8.10
5-Feb-14	Mid-Ebb	9:11	L1	1.80	0.90	18.01	98.85	7.67	8.03
5-Feb-14	Mid-Ebb	9:34	L2	12.60	11.50	18.18	106.64	8.25	8.13
5-Feb-14	Mid-Ebb	9:36	L2	12.60	6.30	18.13	106.65	8.26	8.13
5-Feb-14	Mid-Ebb	9:38	L2	12.60	1.00	18.08	106.79	8.28	8.13
5-Feb-14	Mid-Flood	14:14	L1	2.60	1.30	18.23	96.99	7.50	8.07
5-Feb-14	Mid-Flood	14:40	L2	13.60	12.60	18.17	103.97	8.04	8.13
5-Feb-14	Mid-Flood	14:42	L2	13.60	6.80	18.17	105.93	8.19	8.13
5-Feb-14	Mid-Flood	14:44	L2	13.60	1.10	18.15	109.27	8.45	8.14
12-Feb-14	Mid-Ebb	11:51	L1	1.80	0.90	15.61	106.53	8.67	8.19
12-Feb-14	Mid-Ebb	12:12	L2	12.80	11.80	16.17	102.55	8.26	8.18
12-Feb-14	Mid-Ebb	12:14	L2	12.80	6.40	16.25	103.43	8.31	8.19
12-Feb-14	Mid-Ebb	12:15	L2	12.80	0.90	16.25	103.90	8.35	8.19
12-Feb-14	Mid-Flood	17:58	L1	2.60	1.30	16.04	106.35	8.58	8.01
12-Feb-14	Mid-Flood	18:22	L2	13.80	12.70	16.11	103.21	8.32	8.07
12-Feb-14	Mid-Flood	18:23	L2	13.80	6.90	16.24	103.67	8.33	8.07
12-Feb-14	Mid-Flood	18:25	L2	13.80	1.00	16.38	104.15	8.35	8.06
20-Feb-14	Mid-Ebb	7:44	L1	1.60	0.80	14.61	97.27	8.06	8.06
20-Feb-14	Mid-Ebb	8:06	L2	12.60	11.60	15.42	91.71	7.48	8.11
20-Feb-14	Mid-Ebb	8:07	L2	12.60	6.30	15.59	91.72	7.45	8.11
20-Feb-14	Mid-Ebb	8:10	L2	12.60	1.10	15.70	90.54	7.34	8.11
20-Feb-14	Mid-Flood	13:09	L1	2.40	1.20	16.32	109.18	8.75	8.19
20-Feb-14	Mid-Flood	13:30	L2	13.40	12.50	15.77	97.26	7.88	8.18
20-Feb-14	Mid-Flood	13:32	L2	13.40	6.70	15.92	97.69	7.89	8.17
20-Feb-14	Mid-Flood	13:34	L2	13.40	1.00	16.14	99.66	8.01	8.17
26-Feb-14	Mid-Ebb	2:55	L1	1.00	0.50	16.53	85.12	6.78	7.98
26-Feb-14	Mid-Ebb	3:16	L2	12.40	11.40	16.39	85.24	6.81	8.07
26-Feb-14	Mid-Ebb	3:17	L2	12.40	6.20	16.38	83.72	6.69	8.07
26-Feb-14	Mid-Ebb	3:18	L2	12.40	1.00	16.58	71.21	5.67	8.08
26-Feb-14	Mid-Flood	18:31	L1	2.80	1.40	18.79	103.74	7.90	8.04
26-Feb-14	Mid-Flood	18:46	L2	14.00	13.00	17.89	98.01	7.59	8.07
26-Feb-14	Mid-Flood	18:47	L2	14.00	7.00	18.05	98.95	7.64	8.08
26-Feb-14	Mid-Flood	18:48	L2	14.00	1.00	18.85	102.46	7.79	8.09

Date	Tidal Mode	Time	Position	In-situ Testing					
				Water Depth (m)	Sample Depth (m)	Temp (°C)	DO Sat (%)	DO Conc. (mg/l)	pH
6-Mar-14	Mid-Ebb	18:16	L1	1.50	0.70	16.51	100.49	8.01	8.09
6-Mar-14	Mid-Ebb	18:31	L2	12.50	11.10	16.63	101.11	8.05	8.12
6-Mar-14	Mid-Ebb	18:35	L2	12.50	6.40	16.63	100.93	8.03	8.12
6-Mar-14	Mid-Ebb	18:37	L2	12.50	1.20	16.63	100.86	8.02	8.12
6-Mar-14	Mid-Flood	12:47	L1	2.80	1.40	16.54	98.69	7.87	7.94
6-Mar-14	Mid-Flood	13:31	L2	13.50	12.00	16.67	97.02	7.71	8.04
6-Mar-14	Mid-Flood	13:35	L2	13.50	7.00	16.65	96.81	7.70	8.03
6-Mar-14	Mid-Flood	13:36	L2	13.50	1.00	16.65	96.88	7.70	8.03
12-Mar-14	Mid-Ebb	12:08	L1	1.80	0.90	15.82	96.19	7.79	8.04
12-Mar-14	Mid-Ebb	12:22	L2	12.60	11.60	15.70	81.08	6.58	8.07
12-Mar-14	Mid-Ebb	12:26	L2	12.60	6.50	15.69	80.89	6.57	8.07
12-Mar-14	Mid-Ebb	12:27	L2	12.60	1.10	15.70	81.34	6.60	8.06
12-Mar-14	Mid-Flood	18:02	L1	2.40	1.20	16.03	98.08	7.91	8.00
12-Mar-14	Mid-Flood	18:15	L2	13.40	12.40	15.70	89.83	7.29	8.01
12-Mar-14	Mid-Flood	18:16	L2	13.40	6.70	15.74	90.63	7.35	8.02
12-Mar-14	Mid-Flood	18:17	L2	13.40	1.10	15.96	92.72	7.49	8.03
19-Mar-14	Mid-Ebb	17:07	L1	1.00	0.50	18.15	125.80	9.76	8.01
19-Mar-14	Mid-Ebb	17:20	L2	11.80	10.80	16.22	65.84	5.30	7.99
19-Mar-14	Mid-Ebb	17:21	L2	11.80	5.90	16.41	65.97	5.30	7.99
19-Mar-14	Mid-Ebb	17:22	L2	11.80	1.00	17.85	66.29	5.17	7.97
19-Mar-14	Mid-Flood	11:03	L1	2.00	1.10	16.36	79.72	6.42	8.07
19-Mar-14	Mid-Flood	11:19	L2	12.80	11.80	16.01	91.45	7.41	8.03
19-Mar-14	Mid-Flood	11:21	L2	12.80	6.40	16.10	91.39	7.39	8.03
19-Mar-14	Mid-Flood	11:22	L2	12.80	1.00	16.16	91.45	7.38	8.03
27-Mar-14	Mid-Ebb	11:56	L1	1.40	0.60	19.80	142.80	10.71	8.28
27-Mar-14	Mid-Ebb	15:10	L2	13.00	11.90	17.90	147.27	11.43	8.10
27-Mar-14	Mid-Ebb	15:12	L2	13.00	6.50	19.06	130.20	9.91	8.12
27-Mar-14	Mid-Ebb	15:14	L2	13.00	1.10	19.32	104.38	7.91	8.12
27-Mar-14	Mid-Flood	18:00	L1	2.40	1.20	19.81	12.93	9.14	8.14
27-Mar-14	Mid-Flood	18:16	L2	13.80	12.80	18.11	99.28	7.67	8.11
27-Mar-14	Mid-Flood	18:17	L2	13.80	7.00	18.30	103.35	7.96	8.13.00
27-Mar-14	Mid-Flood	18:19	L2	13.80	1.10	18.96	112.25	8.54	8.15
2-Apr-14	Mid-Ebb	17:10	L1	1.40	0.80	19.15	106.41	8.10	8.07
2-Apr-14	Mid-Ebb	17:23	L2	12.20	11.20	18.99	101.47	7.71	8.09
2-Apr-14	Mid-Ebb	17:26	L2	12.20	6.20	19.00	102.28	7.80	8.08
2-Apr-14	Mid-Ebb	17:27	L2	12.20	1.10	19.04	102.69	7.83	8.06
2-Apr-14	Mid-Flood	11:38	L1	2.60	1.30	19.05	108.00	8.23	8.11
2-Apr-14	Mid-Flood	12:06	L2	13.60	12.60	18.89	101.50	7.72	8.11
2-Apr-14	Mid-Flood	12:09	L2	13.60	6.70	18.89	102.40	7.82	8.12
2-Apr-14	Mid-Flood	12:10	L2	13.60	0.80	18.99	101.00	7.71	8.08
9-Apr-14	Mid-Ebb	9:37	L1	1.80	1.00	19.51	98.00	7.39	8.17
9-Apr-14	Mid-Ebb	9:50	L2	12.80	11.80	19.46	92.57	6.98	8.17
9-Apr-14	Mid-Ebb	9:51	L2	12.80	6.40	19.42	96.47	7.29	8.21
9-Apr-14	Mid-Ebb	9:52	L2	12.80	1.00	19.63	99.56	7.50	8.22
9-Apr-14	Mid-Flood	16:55	L1	2.40	1.30	20.80	114.26	8.44	8.12

In-situ Testing									
Date	Tidal Mode	Time	Position	Water Depth (m)	Sample Depth (m)	Temp (°C)	DO Sat (%)	DO Conc. (mg/l)	pH
9-Apr-14	Mid-Flood	17:06	L2	13.40	12.20	19.46	91.55	6.91	8.07
9-Apr-14	Mid-Flood	17:07	L2	13.40	6.70	19.44	94.13	7.11	8.09
9-Apr-14	Mid-Flood	17:09	L2	13.40	1.20	20.48	104.32	7.76	8.15
16-Apr-14	Mid-Ebb	16:03	L1	1.60	0.60	21.63	117.26	8.51	7.81
16-Apr-14	Mid-Ebb	16:14	L2	12.40	11.40	21.38	105.31	7.67	7.88
16-Apr-14	Mid-Ebb	16:16	L2	12.40	6.40	21.46	106.68	7.76	7.91
16-Apr-14	Mid-Ebb	16:17	L2	12.40	0.90	21.49	106.26	7.73	7.92
16-Apr-14	Mid-Flood	9:57	L1	2.80	1.50	21.31	102.55	7.48	7.93
16-Apr-14	Mid-Flood	10:08	L2	13.80	12.70	21.27	102.08	7.45	8.02
16-Apr-14	Mid-Flood	10:09	L2	13.80	6.90	21.26	102.36	7.48	8.03
16-Apr-14	Mid-Flood	10:11	L2	13.80	0.90	21.26	102.93	7.52	8.03
23-Apr-14	Mid-Ebb	9:33	L1	2.00	1.00	22.95	89.50	6.35	7.96
23-Apr-14	Mid-Ebb	9:46	L2	13.20	12.00	21.78	91.79	6.64	8.06
23-Apr-14	Mid-Ebb	9:48	L2	13.20	6.50	22.98	97.12	6.89	8.19
23-Apr-14	Mid-Ebb	9:49	L2	13.20	1.10	23.00	101.75	7.22	8.24
23-Apr-14	Mid-Flood	16:19	L1	3.00	1.50	22.90	93.03	6.61	8.03
23-Apr-14	Mid-Flood	16:32	L2	13.80	12.50	22.75	98.09	6.99	8.05
23-Apr-14	Mid-Flood	16:34	L2	13.80	7.00	22.79	98.77	7.03	8.07
23-Apr-14	Mid-Flood	16:35	L2	13.80	1.00	22.86	99.56	7.08	8.10

Table 2 Laboratory Test – Weekly Parameters

Date	Tidal Mode	Time	Position	Weekly Parameter					
				Electrical Conductivity (mS/cm)	TDS (mg/l)	SS (mg/l)	Dissolved Organic Carbon (mg/l)	Total Organic Carbon (mg/l)	Chlorophyll a (mg/l)
19-Dec-13	Mid-Ebb	9:33	L1	54,600	35,300	3.00	< 2	< 2	0.8
19-Dec-13	Mid-Ebb	10:44	L2	54,900	34,800	4.00	< 2	< 2	0.7
19-Dec-13	Mid-Ebb	10:46	L2	54,400	35,000	2.00	< 2	< 2	0.7
19-Dec-13	Mid-Ebb	10:47	L2	54,200	35,700	3.00	< 2	< 2	0.7
19-Dec-13	Mid-Flood	16:32	L1	54,200	36,600	2.00	< 2	< 2	0.3
19-Dec-13	Mid-Flood	16:55	L2	54,500	35,500	2.00	< 2	< 2	0.9
19-Dec-13	Mid-Flood	16:56	L2	53,100	35,000	2.00	< 2	< 2	0.9
19-Dec-13	Mid-Flood	16:58	L2	53,800	36,500	2.00	< 2	< 2	0.9
28-Dec-13	Mid-Ebb	10:40	L1	52,600	35,900	< 2	< 2	< 2	0.6
28-Dec-13	Mid-Ebb	11:32	L2	54,700	36,000	< 2	< 2	< 2	0.5
28-Dec-13	Mid-Ebb	11:33	L2	54,300	36,200	< 2	< 2	< 2	0.9
28-Dec-13	Mid-Ebb	11:34	L2	54,500	34,900	< 2	< 2	< 2	0.7
28-Dec-13	Mid-Flood	17:29	L1	53,000	35,500	< 2	< 2	< 2	0.4
28-Dec-13	Mid-Flood	18:00	L2	54,700	35,200	< 2	< 2	< 2	0.6
28-Dec-13	Mid-Flood	18:01	L2	53,800	35,800	< 2	< 2	< 2	0.5
28-Dec-13	Mid-Flood	18:02	L2	53,700	35,500	< 2	< 2	< 2	0.4
3-Jan-14	Mid-Ebb	9:31	L1	50,300	33,900	< 2	< 2	< 2	0.3
3-Jan-14	Mid-Ebb	10:17	L2	50,200	33,300	< 2	< 2	< 2	0.4
3-Jan-14	Mid-Ebb	10:19	L2	48,600	34,100	< 2	< 2	< 2	0.4
3-Jan-14	Mid-Ebb	10:22	L2	50,300	33,100	< 2	< 2	< 2	0.2
3-Jan-14	Mid-Flood	17:57	L1	51,000	34,300	< 2	< 2	< 2	0.3
3-Jan-14	Mid-Flood	18:20	L2	50,000	33,500	< 2	< 2	< 2	0.5
3-Jan-14	Mid-Flood	18:21	L2	48,700	33,300	< 2	< 2	2.00	0.4
3-Jan-14	Mid-Flood	18:26	L2	49,100	33,000	< 2	< 2	< 2	0.2
8-Jan-14	Mid-Ebb	9:23	L1	51,000	34,000	< 2	< 2	< 2	0.3
8-Jan-14	Mid-Ebb	10:06	L2	50,500	33,700	< 2	< 2	< 2	0.4
8-Jan-14	Mid-Ebb	10:07	L2	50,500	34,400	< 2	< 2	< 2	0.6
8-Jan-14	Mid-Ebb	10:09	L2	49,400	33,800	< 2	< 2	< 2	0.2
8-Jan-14	Mid-Flood	16:19	L1	50,600	34,100	< 2	< 2	< 2	0.4
8-Jan-14	Mid-Flood	16:40	L2	50,600	35,400	< 2	< 2	< 2	0.5
8-Jan-14	Mid-Flood	16:42	L2	50,600	34,600	< 2	< 2	< 2	0.4
8-Jan-14	Mid-Flood	16:43	L2	50,900	34,200	< 2	< 2	< 2	0.4
16-Jan-14	Mid-Ebb	6:31	L1	50,400	33,300	< 2	< 2	< 2	1.2
16-Jan-14	Mid-Ebb	7:12	L2	50,400	33,600	< 2	< 2	< 2	1.7
16-Jan-14	Mid-Ebb	7:15	L2	50,200	31,400	< 2	< 2	< 2	1.5
16-Jan-14	Mid-Ebb	7:16	L2	50,000	33,900	< 2	< 2	< 2	1.5
16-Jan-14	Mid-Flood	12:05	L1	51,200	34,100	< 2	< 2	< 2	1.2
16-Jan-14	Mid-Flood	12:29	L2	50,300	34,000	< 2	< 2	< 2	1.9
16-Jan-14	Mid-Flood	12:31	L2	51,000	33,600	< 2	< 2	< 2	1.6
16-Jan-14	Mid-Flood	12:33	L2	50,300	33,800	< 2	< 2	< 2	1.4
22-Jan-14	Mid-Ebb	7:44	L1	47,200	33,600	< 2	< 2	< 2	0.6
22-Jan-14	Mid-Ebb	8:10	L2	49,800	33,300	< 2	< 2	< 2	0.7

Date	Tidal Mode	Time	Position	Weekly Parameter					
				Electrical Conductivity (mS/cm)	TDS (mg/l)	SS (mg/l)	Dissolved Organic Carbon (mg/l)	Total Organic Carbon (mg/l)	Chlorophyll a (mg/l)
22-Jan-14	Mid-Ebb	8:12	L2	47,500	33,800	< 2	< 2	< 2	0.7
22-Jan-14	Mid-Ebb	8:13	L2	49,700	33,200	< 2	< 2	< 2	0.6
22-Jan-14	Mid-Flood	13:59	L1	50,000	34,400	< 2	< 2	< 2	0.6
22-Jan-14	Mid-Flood	14:18	L2	49,500	33,600	< 2	< 2	< 2	0.7
22-Jan-14	Mid-Flood	14:20	L2	48,700	33,900	< 2	< 2	< 2	0.8
22-Jan-14	Mid-Flood	14:22	L2	49,900	34,700	< 2	< 2	< 2	0.8
29-Jan-14	Mid-Ebb	8:50	L1	50,300	34,100	< 2	< 2	< 2	0.9
29-Jan-14	Mid-Ebb	9:15	L2	50,200	35,200	2	< 2	< 2	1.8
29-Jan-14	Mid-Ebb	9:18	L2	50,200	34,400	2	< 2	< 2	2.1
29-Jan-14	Mid-Ebb	9:20	L2	50,000	34,900	< 2	< 2	< 2	2.0
29-Jan-14	Mid-Flood	18:08	L1	50,300	34,800	3	< 2	< 2	3.4
29-Jan-14	Mid-Flood	18:22	L2	49,100	34,000	3	< 2	< 2	1.4
29-Jan-14	Mid-Flood	18:24	L2	50,600	34,100	3	< 2	< 2	1.7
29-Jan-14	Mid-Flood	18:25	L2	50,200	35,000	< 2	< 2	< 2	1.8
5-Feb-14	Mid-Ebb	9:11	L1	50,800	35,500	3	< 2	< 2	5.6
5-Feb-14	Mid-Ebb	9:34	L2	50,500	34,500	4	< 2	< 2	10.0
5-Feb-14	Mid-Ebb	9:36	L2	50,700	33,800	5	< 2	< 2	7.9
5-Feb-14	Mid-Ebb	9:38	L2	50,400	35,300	4	< 2	< 2	8.2
5-Feb-14	Mid-Flood	14:14	L1	50,400	34,400	5	< 2	< 2	10.6
5-Feb-14	Mid-Flood	14:40	L2	50,300	33,800	4	< 2	< 2	11.6
5-Feb-14	Mid-Flood	14:42	L2	49,600	34,200	3	< 2	< 2	11.0
5-Feb-14	Mid-Flood	14:44	L2	51,000	34,800	3	< 2	< 2	9.2
12-Feb-14	Mid-Ebb	11:51	L1	50,900	34,100	2	< 2	< 2	2.1
12-Feb-14	Mid-Ebb	12:12	L2	51,700	33,800	3	< 2	< 2	1.3
12-Feb-14	Mid-Ebb	12:14	L2	51,500	34,200	4	< 2	< 2	1.8
12-Feb-14	Mid-Ebb	12:15	L2	51,300	34,000	2	< 2	< 2	1.5
12-Feb-14	Mid-Flood	17:58	L1	49,600	34,300	3	< 2	< 2	1.4
12-Feb-14	Mid-Flood	18:22	L2	52,200	33,800	2	< 2	< 2	2.0
12-Feb-14	Mid-Flood	18:23	L2	51,200	34,700	4	< 2	< 2	2.0
12-Feb-14	Mid-Flood	18:25	L2	50,900	34,100	3	< 2	< 2	1.6
20-Feb-14	Mid-Ebb	7:44	L1	51,500	34,800	4	< 2	< 2	0.6
20-Feb-14	Mid-Ebb	8:06	L2	50,700	34,700	6	< 2	< 2	1.0
20-Feb-14	Mid-Ebb	8:07	L2	50,700	35,400	5	< 2	< 2	0.9
20-Feb-14	Mid-Ebb	8:10	L2	53,100	34,900	4	< 2	< 2	0.9
20-Feb-14	Mid-Flood	13:09	L1	51,500	34,200	4	< 2	5	0.9
20-Feb-14	Mid-Flood	13:30	L2	50,600	34,800	3	< 2	5	0.9
20-Feb-14	Mid-Flood	13:32	L2	52,700	35,600	5	< 2	2	0.8
20-Feb-14	Mid-Flood	13:34	L2	52,100	34,700	2	< 2	2	0.8
26-Feb-14	Mid-Ebb	2:55	L1	50,300	34,500	6	< 2	< 2	0.8
26-Feb-14	Mid-Ebb	3:16	L2	51,400	34,400	2	< 2	< 2	1.2
26-Feb-14	Mid-Ebb	3:17	L2	50,900	34,700	4	< 2	< 2	0.9
26-Feb-14	Mid-Ebb	3:18	L2	51,300	34,400	< 2	< 2	< 2	1.2
26-Feb-14	Mid-Flood	18:31	L1	51,600	33,900	4	< 2	2	1.3

Date	Tidal Mode	Time	Position	Weekly Parameter					
				Electrical Conductivity (mS/cm)	TDS (mg/l)	SS (mg/l)	Dissolved Organic Carbon (mg/l)	Total Organic Carbon (mg/l)	Chlorophyll a (mg/l)
26-Feb-14	Mid-Flood	18:46	L2	51,200	35,000	3	< 2	< 2	0.7
26-Feb-14	Mid-Flood	18:47	L2	51,700	35,000	3	< 2	< 2	0.7
26-Feb-14	Mid-Flood	18:48	L2	51,900	34,700	2	< 2	< 2	1.4
6-Mar-14	Mid-Ebb	18:16	L1	52,400	35,500	8	< 2	< 2	0.8
6-Mar-14	Mid-Ebb	18:31	L2	50,800	34,500	8	< 2	< 2	0.8
6-Mar-14	Mid-Ebb	18:35	L2	52,200	33,600	5	< 2	< 2	0.6
6-Mar-14	Mid-Ebb	18:37	L2	52,100	34,600	5	< 2	< 2	0.7
6-Mar-14	Mid-Flood	12:47	L1	49,800	34,700	6	< 2	2	0.9
6-Mar-14	Mid-Flood	13:31	L2	50,500	34,400	5	< 2	< 2	0.8
6-Mar-14	Mid-Flood	13:35	L2	50,200	34,000	7	< 2	3	0.8
6-Mar-14	Mid-Flood	13:36	L2	50,900	35,000	7	< 2	< 2	0.8
12-Mar-14	Mid-Ebb	12:08	L1	52,100	34,000	4	< 2	2	0.5
12-Mar-14	Mid-Ebb	12:22	L2	52,000	34,000	5	< 2	2	0.5
12-Mar-14	Mid-Ebb	12:26	L2	50,300	34,100	4	< 2	2	0.5
12-Mar-14	Mid-Ebb	12:27	L2	52,400	34,400	4	< 2	2	0.4
12-Mar-14	Mid-Flood	18:02	L1	50,100	34,900	6	< 2	< 2	0.5
12-Mar-14	Mid-Flood	18:15	L2	52,000	34,000	5	< 2	2	0.5
12-Mar-14	Mid-Flood	18:16	L2	50,300	34,100	4	< 2	2	0.5
12-Mar-14	Mid-Flood	18:17	L2	52,400	34,400	4	< 2	2	0.4
19-Mar-14	Mid-Ebb	17:07	L1	52,000	33,200	< 2	< 2	< 2	0.6
19-Mar-14	Mid-Ebb	17:20	L2	52,000	34,000	< 2	< 2	< 2	0.7
19-Mar-14	Mid-Ebb	17:21	L2	51,900	34,800	< 2	< 2	< 2	0.8
19-Mar-14	Mid-Ebb	17:22	L2	51,900	35,300	< 2	< 2	< 2	1.3
19-Mar-14	Mid-Flood	11:03	L1	51,900	35,000	< 2	< 2	< 2	0.4
19-Mar-14	Mid-Flood	11:19	L2	51,900	34,400	< 2	< 2	< 2	0.7
19-Mar-14	Mid-Flood	11:21	L2	50,200	34,400	< 2	< 2	< 2	0.7
19-Mar-14	Mid-Flood	11:22	L2	50,300	34,400	< 2	< 2	< 2	0.3
27-Mar-14	Mid-Ebb	11:56	L1	52,200	35,500	3	< 2	< 2	0.8
27-Mar-14	Mid-Ebb	15:10	L2	52,600	35,600	4	< 2	< 2	2.9
27-Mar-14	Mid-Ebb	15:12	L2	51,900	34,600	3	< 2	< 2	2.6
27-Mar-14	Mid-Ebb	15:14	L2	51,300	35,600	3	< 2	< 2	2.7
27-Mar-14	Mid-Flood	18:00	L1	51,800	34,800	3	< 2	< 2	1.5
27-Mar-14	Mid-Flood	18:16	L2	52,600	33,800	4	< 2	< 2	2.3
27-Mar-14	Mid-Flood	18:17	L2	52,100	34,000	3	< 2	< 2	2.6
27-Mar-14	Mid-Flood	18:19	L2	52,100	34,700	3	< 2	< 2	2.9
2-Apr-14	Mid-Ebb	17:10	L1	50,100	34,100	4	< 2	< 2	1.0
2-Apr-14	Mid-Ebb	17:23	L2	52,300	33,800	< 2	< 2	< 2	0.8
2-Apr-14	Mid-Ebb	17:26	L2	50,200	33,800	< 2	< 2	< 2	2.1
2-Apr-14	Mid-Ebb	17:27	L2	51,300	34,700	< 2	< 2	< 2	4.4
2-Apr-14	Mid-Flood	11:38	L1	50,100	34,000	< 2	< 2	< 2	2.7
2-Apr-14	Mid-Flood	12:06	L2	48,600	35,300	4	< 2	< 2	5.5
2-Apr-14	Mid-Flood	12:09	L2	49,200	34,500	3	< 2	< 2	3.5
2-Apr-14	Mid-Flood	12:10	L2	50,800	33,600	4	< 2	< 2	4.7

Date	Tidal Mode	Time	Position	Weekly Parameter					
				Electrical Conductivity (mS/cm)	TDS (mg/l)	SS (mg/l)	Dissolved Organic Carbon (mg/l)	Total Organic Carbon (mg/l)	Chlorophyll a (mg/l)
9-Apr-14	Mid-Ebb	9:37	L1	51,700	34,400	< 2	< 2	< 2	1.4
9-Apr-14	Mid-Ebb	9:50	L2	51,200	34,000	< 2	< 2	< 2	0.9
9-Apr-14	Mid-Ebb	9:51	L2	50,400	33,800	< 2	< 2	< 2	1.3
9-Apr-14	Mid-Ebb	9:52	L2	50,600	34,300	< 2	< 2	< 2	1.4
9-Apr-14	Mid-Flood	16:55	L1	50,400	34,400	< 2	< 2	< 2	0.8
9-Apr-14	Mid-Flood	17:06	L2	50,900	34,200	< 2	< 2	< 2	0.9
9-Apr-14	Mid-Flood	17:07	L2	49,600	33,600	< 2	< 2	< 2	1.4
9-Apr-14	Mid-Flood	17:09	L2	50,100	33,800	< 2	< 2	< 2	1.4
16-Apr-14	Mid-Ebb	16:03	L1	52,400	34,800	3	< 2	< 2	0.6
16-Apr-14	Mid-Ebb	16:14	L2	52,200	34,800	4	< 2	< 2	1.3
16-Apr-14	Mid-Ebb	16:16	L2	52,500	34,500	2	< 2	< 2	1.9
16-Apr-14	Mid-Ebb	16:17	L2	50,400	33,400	3	< 2	< 2	1.4
16-Apr-14	Mid-Flood	9:57	L1	52,500	33,900	3	< 2	< 2	0.9
16-Apr-14	Mid-Flood	10:08	L2	51,400	34,900	3	< 2	< 2	1.1
16-Apr-14	Mid-Flood	10:09	L2	52,400	34,600	3	< 2	< 2	1.7
16-Apr-14	Mid-Flood	10:11	L2	52,100	34,100	3	< 2	< 2	0.8
23-Apr-14	Mid-Ebb	9:33	L1	53,300	33,500	3	< 2	< 2	2.1
23-Apr-14	Mid-Ebb	9:46	L2	52,900	3,480	< 2	< 2	< 2	1.6
23-Apr-14	Mid-Ebb	9:48	L2	51,600	34,400	< 2	< 2	< 2	2.9
23-Apr-14	Mid-Ebb	9:49	L2	51,800	33,800	< 2	< 2	< 2	3.4
23-Apr-14	Mid-Flood	16:19	L1	52,600	33,800	3	< 2	< 2	2.6
23-Apr-14	Mid-Flood	16:32	L2	53,300	34,800	2	< 2	< 2	1.9
23-Apr-14	Mid-Flood	16:34	L2	51,400	34,500	3	< 2	< 2	3.7
23-Apr-14	Mid-Flood	16:35	L2	51,300	33,700	2	< 2	< 2	3.0

Table 3 Laboratory Test – Biweekly Parameters

Date	Tidal Mode	Time	Position	Bi-Weekly Parameter									
				Settleable Solids (ml/l)	Turbidity (NTU)	UV Absorption @254nm (Abs/cm)	Total Alkalinity as CaCO ₃ (mg/l)	Sulphate as SO ₄ (mg/l)	Chloride (mg/l)	Oil & Grease (mg/l)	Chemical Oxygen Demand (mg/l)	Biochemical Oxygen Demand (mg/l)	Boron (mg/l)
28-Dec-13	Mid-Ebb	10:40	L1	< 0.1	< 1	< 0.1	115	1,760	18,100	< 5	< 40	< 2	4.90
28-Dec-13	Mid-Ebb	11:32	L2	< 0.1	< 1	< 0.1	112	2,620	18,300	< 5	< 40	< 2	5.00
28-Dec-13	Mid-Ebb	11:33	L2	< 0.1	< 1	< 0.1	117	3,100	18,300	< 5	< 40	< 2	5.00
28-Dec-13	Mid-Ebb	11:34	L2	< 0.1	< 1	< 0.1	118	2,990	19,700	< 5	< 25	< 2	4.90
28-Dec-13	Mid-Flood	17:29	L1	< 0.1	1.00	< 0.1	120	3,100	18,000	< 5	< 40	< 2	4.70
28-Dec-13	Mid-Flood	18:00	L2	< 0.1	< 1	< 0.1	116	3,280	19,100	< 5	< 40	< 2	5.00
28-Dec-13	Mid-Flood	18:01	L2	< 0.1	1.00	< 0.1	115	2,400	18,500	< 5	< 40	< 2	5.00
28-Dec-13	Mid-Flood	18:02	L2	< 0.1	1.00	< 0.1	115	3,030	18,500	< 5	< 40	< 2	5.10
8-Jan-14	Mid-Ebb	9:23	L1	< 0.1	< 1	< 0.1	117	2,740	16,800	< 5	< 40	< 2	4.50
8-Jan-14	Mid-Ebb	10:06	L2	< 0.1	< 1	< 0.1	116	2,990	16,200	< 5	< 40	< 2	4.40
8-Jan-14	Mid-Ebb	10:07	L2	< 0.1	< 1	< 0.1	118	2,800	16,200	< 5	< 40	< 2	4.40
8-Jan-14	Mid-Ebb	10:09	L2	< 0.1	< 1	< 0.1	117	2,720	16,400	< 5	< 40	< 2	4.40
8-Jan-14	Mid-Flood	16:19	L1	< 0.1	< 1	< 0.1	117	2,740	16,400	< 5	< 40	< 2	4.20
8-Jan-14	Mid-Flood	16:40	L2	< 0.1	< 1	< 0.1	117	3,020	16,900	< 5	< 40	< 2	4.50
8-Jan-14	Mid-Flood	16:42	L2	< 0.1	< 1	< 0.1	122	2,800	16,500	< 5	< 40	< 2	4.40
8-Jan-14	Mid-Flood	16:43	L2	< 0.1	< 1	< 0.1	117	2,710	16,600	< 5	< 40	< 2	4.50
22-Jan-14	Mid-Ebb	7:44	L1	< 0.1	2.00	< 0.1	114	2,780	17,600	< 5	< 40	< 2	2.50
22-Jan-14	Mid-Ebb	8:10	L2	< 0.1	2.00	< 0.1	116	6,300	16,600	< 5	< 40	< 2	2.51
22-Jan-14	Mid-Ebb	8:12	L2	< 0.1	2.00	< 0.1	113	2,960	17,100	< 5	< 40	< 2	2.56
22-Jan-14	Mid-Ebb	8:13	L2	< 0.1	2.00	< 0.1	114	2,770	17,600	< 5	< 40	< 2	2.60
22-Jan-14	Mid-Flood	13:59	L1	< 0.1	2.00	< 0.1	115	2,780	16,900	< 5	< 40	< 2	2.50
22-Jan-14	Mid-Flood	14:18	L2	< 0.1	2.00	< 0.1	115	2,830	17,300	< 5	< 40	< 2	2.58
22-Jan-14	Mid-Flood	14:20	L2	< 0.1	2.00	< 0.1	112	2,870	17,800	< 5	< 40	< 2	2.58

Date	Tidal Mode	Time	Position	Bi-Weekly Parameter									
				Settleable Solids (ml/l)	Turbidity (NTU)	UV Absorption @254nm (Abs/cm)	Total Alkalinity as CaCO ₃ (mg/l)	Sulphate as SO ₄ (mg/l)	Chloride (mg/l)	Oil & Grease (mg/l)	Chemical Oxygen Demand (mg/l)	Biochemical Oxygen Demand (mg/l)	Boron (mg/l)
22-Jan-14	Mid-Flood	14:22	L2	< 0.1	2.00	< 0.1	114	2,780	17,600	< 5	< 40	< 2	2.59
5-Feb-14	Mid-Ebb	9:11	L1	< 0.1	2.00	< 0.1	113	3,270	17,800	< 5	< 200	< 2	4.70
5-Feb-14	Mid-Ebb	9:34	L2	< 0.1	4.00	< 0.1	114	3,370	18,300	< 5	< 200	< 2	4.60
5-Feb-14	Mid-Ebb	9:36	L2	< 0.1	4.00	< 0.1	116	3,270	17,700	< 5	< 200	< 2	4.60
5-Feb-14	Mid-Ebb	9:38	L2	< 0.1	3.00	< 0.1	117	3,140	17,400	< 5	< 200	< 2	4.60
5-Feb-14	Mid-Flood	14:14	L1	< 0.1	3.00	< 0.1	114	3,200	17,600	< 5	< 200	< 2	4.70
5-Feb-14	Mid-Flood	14:40	L2	< 0.1	2.00	< 0.1	114	3,140	17,000	< 5	< 200	< 2	4.80
5-Feb-14	Mid-Flood	14:42	L2	< 0.1	2.00	< 0.1	116	3,350	18,000	< 5	< 200	< 2	4.80
5-Feb-14	Mid-Flood	14:44	L2	< 0.1	2.00	< 0.1	115	2,960	16,100	< 5	< 200	< 2	4.70
20-Feb-14	Mid-Ebb	7:44	L1	< 0.1	1.00	< 0.1	119	1,360	17,300	< 5	< 40	< 2	4.60
20-Feb-14	Mid-Ebb	8:06	L2	< 0.1	2.00	< 0.1	122	1,800	16,800	< 5	< 40	< 2	4.60
20-Feb-14	Mid-Ebb	8:07	L2	< 0.1	2.00	< 0.1	122	1,270	17,000	< 5	< 40	< 2	4.50
20-Feb-14	Mid-Ebb	8:10	L2	< 0.1	1.00	< 0.1	120	1,530	16,600	< 5	< 40	< 2	4.60
20-Feb-14	Mid-Flood	13:09	L1	< 0.1	2.00	< 0.1	120	2,480	17,300	< 5	< 40	< 2	5.00
20-Feb-14	Mid-Flood	13:30	L2	< 0.1	2.00	< 0.1	122	1,780	16,600	< 5	< 40	< 2	4.50
20-Feb-14	Mid-Flood	13:32	L2	< 0.1	2.00	< 0.1	122	1,080	15,700	< 5	< 40	< 2	4.80
20-Feb-14	Mid-Flood	13:34	L2	< 0.1	2.00	< 0.1	122	2,480	16,500	< 5	< 40	< 2	4.80
6-Mar-14	Mid-Ebb	18:16	L1	< 0.1	2.00	< 0.1	120	2,490	21,200	< 5	< 200	< 2	4.50
6-Mar-14	Mid-Ebb	18:31	L2	< 0.1	3.00	< 0.1	120	2,720	21,600	< 5	< 200	< 2	4.60
6-Mar-14	Mid-Ebb	18:35	L2	< 0.1	2.00	< 0.1	118	2,570	21,100	< 5	< 200	< 2	4.60
6-Mar-14	Mid-Ebb	18:37	L2	< 0.1	2.00	< 0.1	119	2,750	21,500	< 5	< 200	< 2	4.50
6-Mar-14	Mid-Flood	12:47	L1	< 0.1	3.00	< 0.1	120	2,360	21,200	< 5	< 200	< 2	4.60
6-Mar-14	Mid-Flood	13:31	L2	< 0.1	4.00	< 0.1	119	2,590	22,200	< 5	< 200	< 2	4.60
6-Mar-14	Mid-Flood	13:35	L2	< 0.1	3.00	< 0.1	119	2,560	21,600	< 5	< 200	< 2	4.50

Date	Tidal Mode	Time	Position	Bi-Weekly Parameter									
				Settleable Solids (ml/l)	Turbidity (NTU)	UV Absorption @254nm (Abs/cm)	Total Alkalinity as CaCO ₃ (mg/l)	Sulphate as SO ₄ (mg/l)	Chloride (mg/l)	Oil & Grease (mg/l)	Chemical Oxygen Demand (mg/l)	Biochemical Oxygen Demand (mg/l)	Boron (mg/l)
6-Mar-14	Mid-Flood	13:36	L2	< 0.1	2.00	< 0.1	121	2,380	21,100	< 5	<200	< 2	4.50
19-Mar-14	Mid-Ebb	17:07	L1	< 0.1	2.00	< 0.1	116	2,580	18,000	< 5	<40	< 2	2.80
19-Mar-14	Mid-Ebb	17:20	L2	< 0.1	2.00	< 0.1	121	2,640	16,900	< 5	<40	< 2	2.80
19-Mar-14	Mid-Ebb	17:21	L2	< 0.1	2.00	< 0.1	121	2,530	16,900	< 5	<40	< 2	2.80
19-Mar-14	Mid-Ebb	17:22	L2	< 0.1	2.00	< 0.1	120	2,620	17,900	< 5	<40	< 2	2.90
19-Mar-14	Mid-Flood	11:03	L1	< 0.1	1.00	< 0.1	121	2,790	17,700	< 5	<40	< 2	2.50
19-Mar-14	Mid-Flood	11:19	L2	< 0.1	2.00	< 0.1	112	2,650	17,900	< 5	<40	< 2	2.80
19-Mar-14	Mid-Flood	11:21	L2	< 0.1	3.00	< 0.1	116	2,610	18,100	< 5	<40	< 2	2.90
19-Mar-14	Mid-Flood	11:22	L2	< 0.1	2.00	< 0.1	119	2,770	17,800	< 5	<40	< 2	2.70
2-Apr-14	Mid-Ebb	17:10	L1	< 0.1	2.00	< 0.1	114	2,810	18,100	< 5	< 40	< 2	3.90
2-Apr-14	Mid-Ebb	17:23	L2	< 0.1	2.00	< 0.1	118	3,020	18,300	< 5	< 40	< 2	4.00
2-Apr-14	Mid-Ebb	17:26	L2	< 0.1	1.00	< 0.1	117	3,070	19,000	< 5	< 40	< 2	4.00
2-Apr-14	Mid-Ebb	17:27	L2	< 0.1	1.00	< 0.1	117	2,300	18,600	< 5	< 40	< 2	3.80
2-Apr-14	Mid-Flood	11:38	L1	< 0.1	1.00	< 0.1	125	3,510	18,000	< 5	< 40	< 2	3.60
2-Apr-14	Mid-Flood	12:06	L2	< 0.1	2.00	< 0.1	113	2,790	17,200	< 5	< 40	< 2	3.80
2-Apr-14	Mid-Flood	12:09	L2	< 0.1	2.00	< 0.1	111	2,200	18,000	< 5	< 40	< 2	3.70
2-Apr-14	Mid-Flood	12:10	L2	< 0.1	2.00	< 0.1	117	2,900	17,700	< 5	< 40	< 2	3.80
16-Apr-14	Mid-Ebb	16:03	L1	< 0.1	2.00	< 0.1	117	3,520	18,600	< 5	< 25	< 2	4.70
16-Apr-14	Mid-Ebb	16:14	L2	< 0.1	2.00	< 0.1	116	3,100	18,600	< 5	< 25	< 2	4.60
16-Apr-14	Mid-Ebb	16:16	L2	< 0.1	1.00	< 0.1	117	3,230	18,300	< 5	< 25	< 2	4.40
16-Apr-14	Mid-Ebb	16:17	L2	< 0.1	1.00	< 0.1	117	3,200	18,600	< 5	< 25	< 2	4.30
16-Apr-14	Mid-Flood	9:57	L1	< 0.1	1.00	< 0.1	117	3,180	18,800	< 5	< 25	< 2	4.70
16-Apr-14	Mid-Flood	10:08	L2	< 0.1	1.00	< 0.1	118	3,090	18,900	< 5	< 40	< 2	4.30
16-Apr-14	Mid-Flood	10:09	L2	< 0.1	2.00	< 0.1	118	3,200	14,300	< 5	< 40	< 2	4.60

				Bi-Weekly Parameter									
Date	Tidal Mode	Time	Position	Settleable Solids (ml/l)	Turbidity (NTU)	UV Absorption @254nm (Abs/cm)	Total Alkalinity as CaCO₃ (mg/l)	Sulphate as SO₄ (mg/l)	Chloride (mg/l)	Oil & Grease (mg/l)	Chemical Oxygen Demand (mg/l)	Biochemical Oxygen Demand (mg/l)	Boron (mg/l)
16-Apr-14	Mid-Flood	10:11	L2	< 0.1	1.00	< 0.1	111	3,040	18,400	< 5	< 40	< 2	4.70

Table 3 Laboratory Test – Biweekly Parameters (cont')

Date	Tidal Mode	Time	Position	Bi-Weekly Parameter			
				Calcium (mg/l)	Magnesium (mg/l)	Potassium (mg/l)	Sodium (mg/l)
28-Dec-13	Mid-Ebb	10:40	L1	436	1,260	410	9,160
28-Dec-13	Mid-Ebb	11:32	L2	440	1,300	458	9,360
28-Dec-13	Mid-Ebb	11:33	L2	438	1,280	454	9,290
28-Dec-13	Mid-Ebb	11:34	L2	419	1,260	425	8,890
28-Dec-13	Mid-Flood	17:29	L1	442	1,310	416	9,120
28-Dec-13	Mid-Flood	18:00	L2	434	1,290	410	9,080
28-Dec-13	Mid-Flood	18:01	L2	435	1,290	410	9,050
28-Dec-13	Mid-Flood	18:02	L2	434	1,280	406	9,040
8-Jan-14	Mid-Ebb	9:23	L1	406	1,190	356	9,870
8-Jan-14	Mid-Ebb	10:06	L2	406	1,200	377	9,920
8-Jan-14	Mid-Ebb	10:07	L2	408	1,200	376	9,900
8-Jan-14	Mid-Ebb	10:09	L2	408	1,210	339	9,940
8-Jan-14	Mid-Flood	16:19	L1	414	1,210	340	9,960
8-Jan-14	Mid-Flood	16:40	L2	406	1,200	339	9,860
8-Jan-14	Mid-Flood	16:42	L2	389	1,150	324	9,500
8-Jan-14	Mid-Flood	16:43	L2	407	1,190	335	9,800
22-Jan-14	Mid-Ebb	7:44	L1	367	1,220	377	10,200
22-Jan-14	Mid-Ebb	8:10	L2	368	1,210	368	10,100
22-Jan-14	Mid-Ebb	8:12	L2	366	1,220	380	10,100
22-Jan-14	Mid-Ebb	8:13	L2	382	1,250	388	10,300
22-Jan-14	Mid-Flood	13:59	L1	379	1,250	382	10,500
22-Jan-14	Mid-Flood	14:18	L2	380	1,260	397	10,300
22-Jan-14	Mid-Flood	14:20	L2	382	1,270	384	10,500
22-Jan-14	Mid-Flood	14:22	L2	375	1,240	386	10,300

Date	Tidal Mode	Time	Position	Bi-Weekly Parameter			
				Calcium (mg/l)	Magnesium (mg/l)	Potassium (mg/l)	Sodium (mg/l)
5-Feb-14	Mid-Ebb	9:11	L1	408	1,260	127	9,000
5-Feb-14	Mid-Ebb	9:34	L2	433	1,310	454	9,330
5-Feb-14	Mid-Ebb	9:36	L2	412	1,290	432	9,260
5-Feb-14	Mid-Ebb	9:38	L2	426	1,310	452	9,270
5-Feb-14	Mid-Flood	14:14	L1	417	1,270	441	8,990
5-Feb-14	Mid-Flood	14:40	L2	424	1,340	441	9,490
5-Feb-14	Mid-Flood	14:42	L2	425	1,220	441	8,720
5-Feb-14	Mid-Flood	14:44	L2	417	1,310	441	9,270
20-Feb-14	Mid-Ebb	7:44	L1	392	1,210	394	10,200
20-Feb-14	Mid-Ebb	8:06	L2	400	1,280	401	10,700
20-Feb-14	Mid-Ebb	8:07	L2	393	1,250	395	10,500
20-Feb-14	Mid-Ebb	8:10	L2	406	1,210	410	10,100
20-Feb-14	Mid-Flood	13:09	L1	412	1,200	415	10,200
20-Feb-14	Mid-Flood	13:30	L2	388	1,210	390	10,200
20-Feb-14	Mid-Flood	13:32	L2	400	1,190	403	10,000
20-Feb-14	Mid-Flood	13:34	L2	386	1,200	387	10,100
6-Mar-14	Mid-Ebb	18:16	L1	419	1,290	431	10,600
6-Mar-14	Mid-Ebb	18:31	L2	386	1,220	395	10,000
6-Mar-14	Mid-Ebb	18:35	L2	387	1,190	413	9,940
6-Mar-14	Mid-Ebb	18:37	L2	420	1,260	410	10,500
6-Mar-14	Mid-Flood	12:47	L1	403	1,160	368	9,070
6-Mar-14	Mid-Flood	13:31	L2	418	1,150	431	9,580
6-Mar-14	Mid-Flood	13:35	L2	411	1,270	427	10,300
6-Mar-14	Mid-Flood	13:36	L2	417	1,240	405	10,200
19-Mar-14	Mid-Ebb	17:07	L1	403	1,170	411	9,650

Date	Tidal Mode	Time	Position	Bi-Weekly Parameter			
				Calcium (mg/l)	Magnesium (mg/l)	Potassium (mg/l)	Sodium (mg/l)
19-Mar-14	Mid-Ebb	17:20	L2	406	1,230	415	10,100
19-Mar-14	Mid-Ebb	17:21	L2	419	1,110	428	9,220
19-Mar-14	Mid-Ebb	17:22	L2	404	1,240	411	10,100
19-Mar-14	Mid-Flood	11:03	L1	381	1,230	389	10,100
19-Mar-14	Mid-Flood	11:19	L2	411	996	417	8,230
19-Mar-14	Mid-Flood	11:21	L2	403	1,280	418	10,400
19-Mar-14	Mid-Flood	11:22	L2	398	1,320	411	10,600
2-Apr-14	Mid-Ebb	17:10	L1	351	1,200	370	9,360
2-Apr-14	Mid-Ebb	17:23	L2	390	1,340	417	10,300
2-Apr-14	Mid-Ebb	17:26	L2	383	1,330	409	10,200
2-Apr-14	Mid-Ebb	17:27	L2	363	1,230	386	9,610
2-Apr-14	Mid-Flood	11:38	L1	365	1,260	397	9,760
2-Apr-14	Mid-Flood	12:06	L2	380	1,300	402	10,000
2-Apr-14	Mid-Flood	12:09	L2	357	1,200	367	9,470
2-Apr-14	Mid-Flood	12:10	L2	361	1,240	379	9,600
16-Apr-14	Mid-Ebb	16:03	L1	431	1,270	357	10,500
16-Apr-14	Mid-Ebb	16:14	L2	445	1,310	366	10,800
16-Apr-14	Mid-Ebb	16:16	L2	438	1,310	370	10,700
16-Apr-14	Mid-Ebb	16:17	L2	391	1,160	329	9,560
16-Apr-14	Mid-Flood	9:57	L1	430	1,270	354	10,500
16-Apr-14	Mid-Flood	10:08	L2	416	1,230	345	10,100
16-Apr-14	Mid-Flood	10:09	L2	405	1,210	340	9,900
16-Apr-14	Mid-Flood	10:11	L2	424	1,260	352	10,300

Table 4 Laboratory Test – Monthly Parameters

Date	Tidal Mode	Time	Position	Monthly Parameter			
				Ammonia (NH ₄ -N) (mg/l)	Bromide (mg/l)	<i>E.coli</i> (CFU/100ml)	Total Coliforms (CFU/100ml)
8-Jan-14	Mid-Ebb	9:23	L1	< 5	64.20	ND	ND
8-Jan-14	Mid-Ebb	10:06	L2	< 5	65.90	ND	1
8-Jan-14	Mid-Ebb	10:07	L2	< 5	67.20	ND	7
8-Jan-14	Mid-Ebb	10:09	L2	< 5	68.40	ND	ND
8-Jan-14	Mid-Flood	16:19	L1	< 5	65.30	ND	ND
8-Jan-14	Mid-Flood	16:40	L2	< 5	66.70	ND	9
8-Jan-14	Mid-Flood	16:42	L2	< 5	66.70	ND	3
8-Jan-14	Mid-Flood	16:43	L2	< 5	64.10	ND	2
5-Feb-14	Mid-Ebb	9:11	L1	< 5	68.20	ND	ND
5-Feb-14	Mid-Ebb	9:34	L2	< 5	66.60	ND	11
5-Feb-14	Mid-Ebb	9:36	L2	< 5	64.10	ND	12
5-Feb-14	Mid-Ebb	9:38	L2	< 5	65.20	ND	9
5-Feb-14	Mid-Flood	14:14	L1	< 5	66.10	ND	2
5-Feb-14	Mid-Flood	14:40	L2	< 5	63.10	ND	9
5-Feb-14	Mid-Flood	14:42	L2	< 5	68.80	ND	6
5-Feb-14	Mid-Flood	14:44	L2	< 5	67.30	ND	ND
6-Mar-14	Mid-Ebb	18:16	L1	60	69.40	ND	4
6-Mar-14	Mid-Ebb	18:31	L2	60	68.80	2	2
6-Mar-14	Mid-Ebb	18:35	L2	40	68.00	1	2
6-Mar-14	Mid-Ebb	18:37	L2	20	70.30	2	2
6-Mar-14	Mid-Flood	12:47	L1	30	70.60	11	16

Date	Tidal Mode	Time	Position	Monthly Parameter			
				Ammonia (NH ₄ -N) (mg/l)	Bromide (mg/l)	<i>E.coli</i> (CFU/100ml)	Total Coliforms (CFU/100ml)
6-Mar-14	Mid-Flood	13:31	L2	30	66.80	ND	7
6-Mar-14	Mid-Flood	13:35	L2	30	69.60	ND	7
6-Mar-14	Mid-Flood	13:36	L2	30	68.40	ND	10
2-Apr-14	Mid-Ebb	17:10	L1	67	61.10	21	84
2-Apr-14	Mid-Ebb	17:23	L2	8	62.10	7	89
2-Apr-14	Mid-Ebb	17:26	L2	63	52.10	29	230
2-Apr-14	Mid-Ebb	17:27	L2	36	61.50	35	150
2-Apr-14	Mid-Flood	11:38	L1	35	61.70	12	170
2-Apr-14	Mid-Flood	12:06	L2	57	59.30	49	120
2-Apr-14	Mid-Flood	12:09	L2	74	61.80	53	60
2-Apr-14	Mid-Flood	12:10	L2	54	62.40	50	53

Table 5 Laboratory Test – Bimonthly Parameters

Date	Tidal Mode	Time	Position	Bi-Monthly						
				Total Cyanide (mg/l)	Fluoride (mg/l)	Silica (mg/l)	Nitrite – N (mg/l)	Nitrate – N (mg/l)	Total Nitrogen – N (mg/l)	Total Phosphorus (mg/l)
5-Feb-14	Mid-Ebb	9:11	L1	<10	0.9	0.25	<0.01	0.05	0.2	<0.01
5-Feb-14	Mid-Ebb	9:34	L2	<10	0.9	0.23	<0.01	0.03	0.2	<0.01
5-Feb-14	Mid-Ebb	9:36	L2	<10	0.9	0.23	<0.01	0.04	0.4	<0.01
5-Feb-14	Mid-Ebb	9:38	L2	<10	0.9	0.32	<0.01	0.03	0.1	<0.01
5-Feb-14	Mid-Flood	14:14	L1	<10	0.9	0.23	<0.01	0.03	0.2	<0.01
5-Feb-14	Mid-Flood	14:40	L2	<10	0.9	0.2	<0.01	0.02	0.2	<0.01
5-Feb-14	Mid-Flood	14:42	L2	<10	0.9	0.2	<0.01	0.02	0.1	<0.01
5-Feb-14	Mid-Flood	14:44	L2	<10	0.9	0.23	<0.01	<0.01	0.1	<0.01

Table 5 Laboratory Test – Bimonthly Parameters (cont')

Date	Tidal Mode	Time	Position	Bi-Monthly													
				Maganese (mg/l)	Stontium (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Lead (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)
5-Feb-14	Mid-Ebb	9:11	L1	<0.01	7730	<0.5	2	8.4	<0.5	<0.1	0.2	0.9	0.4	0.9	<10	<0.1	<0.2
5-Feb-14	Mid-Ebb	9:34	L2	<0.01	7790	<0.5	2	8.8	<0.5	<0.1	1	5.2	0.8	1.2	<10	<0.1	<0.2
5-Feb-14	Mid-Ebb	9:36	L2	<0.01	7680	<0.5	2	8.7	<0.5	0.7	0.6	3.4	1	1.3	<10	<0.1	<0.2
5-Feb-14	Mid-Ebb	9:38	L2	<0.01	8020	<0.5	2	9	<0.5	<0.1	0.3	2.6	0.3	0.8	<10	<0.1	<0.2
5-Feb-14	Mid-Flood	14:14	L1	<0.01	7770	<0.5	2	9	<0.5	<0.1	0.4	2.7	0.6	0.8	<10	<0.1	<0.2
5-Feb-14	Mid-Flood	14:40	L2	<0.01	7920	<0.5	2	8.6	<0.5	<0.1	0.3	1.1	0.3	0.5	<10	<0.1	<0.2
5-Feb-14	Mid-Flood	14:42	L2	<0.01	8030	<0.5	2	8.6	<0.5	<0.1	0.2	1	<0.2	0.5	<10	<0.1	<0.2
5-Feb-14	Mid-Flood	14:44	L2	<0.01	7770	<0.5	2	8.8	<0.5	<0.1	0.3	2.2	0.4	0.6	<10	<0.1	<0.2

Table 5 Laboratory Test – Bimonthly Parameters (cont')

Date	Tidal Mode	Time	Position	Bi-Monthly										
				Vanadium (mg/l)	Zinc (mg/l)	Aluminum (mg/l)	Iron (mg/l)	Mercury (mg/l)	Phenol (mg/l)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes - Total (mg/l)	Carbon Tetrachloride (mg/l)
5-Feb-14	Mid-Ebb	9:11	L1	2	14	0.08	0.1	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Ebb	9:34	L2	2	7	0.11	0.66 *	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Ebb	9:36	L2	2	8	0.13	0.17	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Ebb	9:38	L2	2	4	0.1	0.13	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Flood	14:14	L1	2	17	0.11	0.13	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Flood	14:40	L2	2	39	0.07	0.09	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Flood	14:42	L2	2	6	0.07	0.08	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5
5-Feb-14	Mid-Flood	14:44	L2	1	8	0.07	0.09	<0.1	<2	<0.5	<0.5	<0.5	<20	<0.5

* Interquartile range outlier test was conducted for this set of iron concentration. [First quartile (Q1) = 0.9; Third quartile (Q3) = 1.5; Interquartile range (IQR = Q3-Q1) = 0.6; 1.5X of Interquartile range = 0.9; Lower limit for outlier (Q1-1.5IQR) = 0.0; Upper limit for outlier (Q3+1.5IQR) = 2.4.] Interquartile range outlier test indicates that the iron level for water sample taken at 5-Feb-14 9:34 am is outlier and therefore not taken for calculation of baseline iron level.

Table 5 Laboratory Test – Bimonthly Parameters (cont')

Date	Tidal Mode	Time	Position	Bi-Monthly								
				Trichloroethene	Tetrachloroethene (mg/l)	Chloroform (mg/l)	Tributyltin (mg TBT /l)	Caesium-134 (Bq/l)	Tritium (Bq/l)	Caesium-137 (Bq/l)	Iodine-131 (Bq/l)	Stontium-90
5-Feb-14	Mid-Ebb	9:11	L1	<0.5	<0.5	<0.5	<0.015	<0.05	9.5	<0.050	<0.1	<0.05
5-Feb-14	Mid-Ebb	9:34	L2	<0.5	<0.5	<0.5	<0.015	<0.050	<2	<0.050	<0.07	<0.05
5-Feb-14	Mid-Ebb	9:36	L2	<0.5	<0.5	<0.5	<0.015	<0.050	<2	<0.050	<0.07	<0.05
5-Feb-14	Mid-Ebb	9:38	L2	<0.5	<0.5	<0.5	<0.015	<0.050	<2	<0.050	<0.1	<0.05
5-Feb-14	Mid-Flood	14:14	L1	<0.5	<0.5	<0.5	<0.015	<0.050	<2	<0.050	<0.1	<0.05
5-Feb-14	Mid-Flood	14:40	L2	<0.5	<0.5	<0.5	<0.015	<0.050	<2	0.1	<0.1	<0.05
5-Feb-14	Mid-Flood	14:42	L2	<0.5	<0.5	<0.5	<0.015	<0.050	<2	<0.05	<0.07	<0.05
5-Feb-14	Mid-Flood	14:44	L2	<0.5	<0.5	<0.5	<0.015	<0.050	<2	0.07	<0.1	<0.05