

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	1	16:42	20.7	8.0	26.8	6.95	14.3	11.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	2	16:42	20.7	8.0	26.8	6.92	14.3	11.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)5	Middle	5.3	2	1	16:42	20.7	8.0	26.8	6.99	14.2	13.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)5	Middle	5.3	2	2	16:42	20.7	8.0	26.8	6.95	14.2	13.1
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)5	Bottom	9.6	3	1	16:42	20.8	8.0	26.9	6.96	14.9	14.3
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)5	Bottom	9.6	3	2	16:42	20.8	8.0	26.9	6.94	14.9	14.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4a	Surface	1.0	1	1	17:12	20.8	8.0	26.9	6.98	11.7	9.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4a	Surface	1.0	1	2	17:12	20.8	8.0	26.9	6.95	11.7	10.3
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4a	Middle		2	1	17:12						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4a	Middle		2	2	17:12						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4a	Bottom	4.4	3	1	17:12	20.8	8.0	26.9	6.95	9.9	11.1
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4a	Bottom	4.4	3	2	17:12	20.7	8.0	26.9	6.91	9.9	11.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4	Surface	1.0	1	1	17:42	20.9	8.0	26.8	7.08	11.6	11.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4	Surface	1.0	1	2	17:42	20.8	8.0	26.8	7.04	11.7	11.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4	Middle		2	1	17:42						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4	Middle		2	2	17:42						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4	Bottom	4.2	3	1	17:42	20.8	8.0	26.8	7.05	9.0	10.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	SR4	Bottom	4.2	3	2	17:42	20.7	8.0	26.8	7.01	9.1	11.3
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS8	Surface	1.0	1	1	18:12	20.8	8.1	26.8	6.98	11.6	11.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS8	Surface	1.0	1	2	18:12	20.9	8.1	26.8	6.94	11.6	11.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS8	Middle		2	1	18:12						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS8	Middle		2	2	18:12						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS8	Bottom	4.8	3	1	18:12	20.7	8.1	26.8	7.03	12.1	11.8
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS8	Bottom	4.8	3	2	18:12	20.7	8.1	26.8	7.01	12.1	11.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	1	18:42	20.8	8.1	26.8	6.94	11.9	6.8
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	2	18:42	20.8	8.1	26.8	6.90	11.8	7.1
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)16	Middle	4.5	2	1	18:42	20.7	8.1	26.9	6.98	10.0	7.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)16	Middle	4.5	2	2	18:42	20.7	8.1	26.9	6.94	10.0	8.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)16	Bottom	8.0	3	1	18:42	20.7	8.1	26.9	6.95	11.1	10.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)16	Bottom	8.0	3	2	18:42	20.7	8.1	26.9	6.91	11.2	9.1
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	1	19:20	20.8	8.1	26.8	7.10	13.0	7.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	2	19:20	20.8	8.1	26.8	7.06	13.0	7.2
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)9	Middle		2	1	19:20						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)9	Middle		2	2	19:20						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)9	Bottom	4.2	3	1	19:20	20.7	8.1	26.8	7.07	12.6	9.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	IS(Mf)9	Bottom	4.2	3	2	19:20	20.7	8.1	26.8	7.05	12.6	9.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	1	19:55	20.8	8.1	26.8	7.04	13.5	12.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	2	19:55	20.8	8.1	26.8	7.06	13.5	12.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)3	Middle	3.9	2	1	19:55	20.7	8.0	26.8	7.01	13.7	12.7
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)3	Middle	3.9	2	2	19:55	20.7	8.0	26.8	6.98	13.8	12.8
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)3	Bottom	6.8	3	1	19:55	20.7	8.1	26.8	6.99	14.4	12.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Flood	Fine	Small Wave	CS(Mf)3	Bottom	6.8	3	2	19:55	20.7	8.1	26.8	7.03	14.4	11.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	1	11:30	20.5	8.0	26.8	6.97	13.7	11.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	2	11:30	20.5	8.0	26.8	6.95	13.7	10.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Middle	3.7	2	1	11:30	20.5	8.0	26.8	7.05	12.6	11.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Middle	3.7	2	2	11:30	20.5	8.0	26.8	7.07	12.6	12.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Bottom	6.4	3	1	11:30	20.5	8.0	26.8	7.03	15.1	12.8
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Bottom	6.4	3	2	11:30	20.5	8.0	26.8	7.06	15.1	11.8
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4a	Surface	1.0	1	1	14:05	20.5	8.0	26.9	6.95	11.9	12.2
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4a	Surface	1.0	1	2	14:05	20.5	8.0	26.9	6.92	11.9	11.6
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4a	Middle		2	1	14:05						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4a	Middle		2	2	14:05						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4a	Bottom	3.8	3	1	14:05	20.4	8.0	26.9	6.91	13.1	13.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4a	Bottom	3.8	3	2	14:05	20.4	8.0	26.9	6.93	13.1	14.3
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4	Surface	1.0	1	1	13:30	20.4	8.0	26.9	6.93	13.1	9.8
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4	Surface	1.0	1	2	13:30	20.4	8.0	26.9	6.96	13.2	9.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4	Middle		2	1	13:30						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4	Middle		2	2	13:30						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4	Bottom	3.6	3	1	13:30	20.5	8.0	26.9	6.90	10.4	12.3
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	SR4	Bottom	3.6	3	2	13:30	20.5	8.0	26.9	6.94	10.5	12.7
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS8	Surface	1.0	1	1	13:00	20.4	8.0	26.9	6.93	11.8	9.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS8	Surface	1.0	1	2	13:00	20.4	8.0	26.9	6.90	11.8	9.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS8	Middle		2	1	13:00						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS8	Middle		2	2	13:00						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS8	Bottom	4.2	3	1	13:00	20.4	8.0	26.8	6.95	11.7	16.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS8	Bottom	4.2	3	2	13:00	20.5	8.0	26.8	6.97	11.6	16.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	1	12:30	20.4	8.0	26.9	6.92	10.0	8.2
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	2	12:30	20.4	8.0	26.9	6.94	10.0	8.5
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Middle	4.2	2	1	12:30	20.4	8.0	26.9	6.97	10.7	9.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Middle	4.2	2	2	12:30	20.4	8.0	26.9	6.99	10.7	10.4
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Bottom	7.4	3	1	12:30	20.5	8.0	26.8	6.90	12.0	11.3
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Bottom	7.4	3	2	12:30	20.5	8.0	26.8	6.88	12.0	10.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	1	12:00	20.4	8.0	26.8	7.09	11.0	8.9
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	2	12:00	20.4	8.0	26.8	7.06	11.0	9.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Middle		2	1	12:00						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Middle		2	2	12:00						
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Bottom	3.8	3	1	12:00	20.4	8.0	26.8	7.10	11.3	10.0
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Bottom	3.8	3	2	12:00	20.4	8.0	26.8	7.08	11.2	9.2
TM-CLK Southern	HY/2012/07	2013-12-03	Mid-Ebb	Fine	Small Wave												

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)5	Surface	1.0	1	1	07:38	19.3	7.9	26.8	6.98	13.2	13.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)5	Surface	1.0	1	2	07:38	19.2	7.8	26.7	6.96	12.6	13.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)5	Middle	5.3	2	1	07:38	19.3	7.9	26.8	6.94	15.4	14.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)5	Middle	5.3	2	2	07:38	19.4	7.9	26.8	6.96	14.2	14.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)5	Bottom	9.6	3	1	07:38	19.4	7.9	26.8	6.99	17.0	19.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)5	Bottom	9.6	3	2	07:38	19.4	8.0	26.9	6.95	18.2	17.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4a	Surface	1.0	1	1	08:08	19.2	8.0	26.8	6.94	17.4	16.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4a	Surface	1.0	1	2	08:08	19.3	8.0	26.8	6.90	17.1	16.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4a	Middle		2	1	08:08						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4a	Middle		2	2	08:08						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4a	Bottom	4.4	3	1	08:08	19.3	8.0	26.9	6.90	19.1	20.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4a	Bottom	4.4	3	2	08:08	19.4	8.0	26.8	6.92	19.1	21.3
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4	Surface	1.0	1	1	08:38	19.3	7.9	26.9	6.98	18.9	16.2
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4	Surface	1.0	1	2	08:38	19.3	7.9	26.8	6.96	18.8	15.9
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4	Middle		2	1	08:38						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4	Middle		2	2	08:38						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4	Bottom	4.3	3	1	08:38	19.4	8.0	26.9	6.96	19.8	16.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	SR4	Bottom	4.3	3	2	08:38	19.3	8.0	27.0	6.92	19.7	16.2
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS8	Surface	1.0	1	1	09:00	19.4	8.0	26.8	6.94	20.4	14.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS8	Surface	1.0	1	2	09:00	19.4	8.0	26.8	6.96	20.6	16.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS8	Middle		2	1	09:00						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS8	Middle		2	2	09:00						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS8	Bottom	4.8	3	1	09:00	19.4	7.9	26.9	6.96	17.8	16.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS8	Bottom	4.8	3	2	09:00	19.4	8.0	26.9	6.93	18.4	16.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)16	Surface	1.0	1	1	09:34	19.3	8.0	26.8	6.96	14.6	12.3
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)16	Surface	1.0	1	2	09:34	19.4	8.0	26.8	6.96	14.4	12.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)16	Middle	4.5	2	1	09:34	19.4	8.0	26.9	6.93	16.1	16.7
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)16	Middle	4.5	2	2	09:34	19.4	8.0	26.8	6.90	15.5	15.5
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)16	Bottom	8.0	3	1	09:34	19.4	8.0	26.9	6.94	16.1	16.7
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)16	Bottom	8.0	3	2	09:34	19.3	8.0	26.9	6.90	17.3	15.5
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)9	Surface	1.0	1	1	10:15	19.4	8.0	26.8	6.90	18.1	14.8
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)9	Surface	1.0	1	2	10:15	19.4	8.0	26.8	6.88	18.3	13.1
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)9	Middle		2	1	10:15						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)9	Middle		2	2	10:15						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)9	Bottom	4.2	3	1	10:15	19.4	7.9	26.9	6.90	17.3	15.7
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	IS(Mf)9	Bottom	4.2	3	2	10:15	19.3	7.9	26.9	6.86	17.6	14.7
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)3	Surface	1.0	1	1	10:43	19.5	8.0	26.8	6.89	17.2	13.1
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)3	Surface	1.0	1	2	10:43	19.4	8.0	26.9	6.89	16.5	13.2
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)3	Middle	4.0	2	1	10:43	19.4	7.9	26.9	6.91	15.5	12.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)3	Middle	4.0	2	2	10:43	19.4	8.0	26.9	6.93	15.8	11.9
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)3	Bottom	6.9	3	1	10:43	19.4	8.0	27.0	6.94	17.9	16.5
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Flood	Sunny	Small Wave	CS(Mf)3	Bottom	6.9	3	2	10:43	19.5	8.0	26.9	6.90	18.1	17.8
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	CS(Mf)3	Surface	1.0	1	1	13:07	19.6	7.9	26.8	6.90	15.9	13.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	CS(Mf)3	Surface	1.0	1	2	13:07	19.5	7.9	26.9	6.93	15.4	13.3
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	CS(Mf)3	Middle	3.8	2	1	13:07	19.6	7.9	26.9	6.94	15.4	13.7
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	CS(Mf)3	Middle	3.8	2	2	13:07	19.6	8.0	26.9	6.90	15.3	13.9
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	CS(Mf)3	Bottom	6.5	3	1	13:07	19.4	7.9	27.0	6.89	15.8	18.3
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	CS(Mf)3	Bottom	6.5	3	2	13:07	19.5	7.9	26.9	6.88	16.0	17.5
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4a	Surface	1.0	1	1	15:45	19.6	7.9	26.9	6.93	16.5	17.9
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4a	Surface	1.0	1	2	15:45	19.6	7.9	26.9	6.90	17.7	17.8
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4a	Middle		2	1	15:45						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4a	Middle		2	2	15:45						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4a	Bottom	3.8	3	1	15:45	19.5	7.9	27.0	6.89	15.8	17.9
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4a	Bottom	3.8	3	2	15:45	19.6	7.9	27.1	6.91	16.5	17.5
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4	Surface	1.0	1	1	15:10	19.6	7.9	26.9	6.88	15.9	17.2
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4	Surface	1.0	1	2	15:10	19.6	8.0	26.8	6.84	16.3	16.8
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4	Middle		2	1	15:10						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4	Middle		2	2	15:10						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4	Bottom	3.6	3	1	15:10	19.6	7.9	26.9	6.88	16.3	19.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	SR4	Bottom	3.6	3	2	15:10	19.5	7.9	26.9	6.87	17.3	19.7
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS8	Surface	1.0	1	1	14:40	19.6	7.9	26.9	6.89	19.3	15.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS8	Surface	1.0	1	2	14:40	19.7	7.9	26.9	6.91	17.1	15.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS8	Middle		2	1	14:40						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS8	Middle		2	2	14:40						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS8	Bottom	4.2	3	1	14:40	19.6	7.9	26.8	6.90	17.9	17.2
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS8	Bottom	4.2	3	2	14:40	19.6	7.9	26.9	6.88	17.8	18.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)16	Surface	1.0	1	1	14:10	19.7	7.9	27.0	6.88	14.7	12.1
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)16	Surface	1.0	1	2	14:10	19.7	7.9	27.0	6.87	15.2	11.2
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)16	Middle	4.2	2	1	14:10	19.7	7.9	26.9	6.86	15.4	15.3
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)16	Middle	4.2	2	2	14:10	19.6	7.9	26.9	6.88	15.5	16.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)16	Bottom	7.3	3	1	14:10	19.6	7.9	27.0	6.92	15.5	17.3
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)16	Bottom	7.3	3	2	14:10	19.6	7.9	26.9	6.90	15.9	15.9
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)9	Surface	1.0	1	1	13:40	19.3	7.9	26.9	6.90	13.9	14.4
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)9	Surface	1.0	1	2	13:40	19.4	7.9	6.9	6.86	14.6	14.6
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)9	Middle		2	1	13:40						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)9	Middle		2	2	13:40						
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)9	Bottom	3.8	3	1	13:40	19.4	7.8	27.0	6.93	19.7	17.0
TM-CLK Southern	HY/2012/07	2013-12-05	Mid-Ebb	Sunny	Small Wave	IS(Mf)9	Bottom	3.8	3	2	13:40	19.5	7.9	26.9	6.90	19.8	16.6
TM-CLK Southern	HY/2012/07	2013-12-05															

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	09:19	19.4	7.8	26.7	6.95	14.7	16.6
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	09:19	19.3	7.8	26.6	6.93	15.1	16.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.4	2	1	09:19	19.4	7.8	26.7	6.88	17.0	16.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.4	2	2	09:19	19.5	7.9	26.8	6.90	17.4	16.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	9.8	3	1	09:19	19.5	7.9	26.8	6.89	18.7	20.0
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	9.8	3	2	09:19	19.6	7.9	26.9	6.86	18.3	19.7
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	09:54	19.3	7.9	26.7	6.91	16.9	19.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	09:54	19.4	7.9	26.8	6.87	17.2	19.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	09:54						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	09:54						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	4.6	3	1	09:54	19.5	8.0	26.9	6.85	22.3	22.2
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	4.6	3	2	09:54	19.4	7.9	26.9	6.83	22.6	23.0
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	10:24	19.4	7.9	26.8	6.92	18.9	13.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	10:24	19.3	7.9	26.9	6.90	18.6	13.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	10:24						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	10:24						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	4.6	3	1	10:24	19.5	7.9	27.0	6.87	21.8	20.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	4.6	3	2	10:24	19.5	7.9	26.9	6.83	21.3	20.2
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	10:54	19.4	7.9	26.8	6.89	17.4	18.1
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	10:54	19.5	7.9	26.8	6.90	17.1	17.8
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	10:54						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	10:54						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.4	3	1	10:54	19.6	7.9	26.8	6.87	20.9	21.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.4	3	2	10:54	19.5	7.9	26.9	6.84	20.4	21.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	11:24	19.5	7.9	26.7	6.94	17.0	18.7
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	11:24	19.4	7.9	26.6	6.93	16.5	18.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.6	2	1	11:24	19.5	7.9	26.8	6.87	18.1	18.2
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.6	2	2	11:24	19.6	7.9	26.9	6.84	18.4	18.2
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	8.2	3	1	11:24	19.6	7.9	26.9	6.82	20.5	20.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	8.2	3	2	11:24	19.6	8.0	27.0	6.81	20.1	19.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	11:54	19.5	7.9	26.7	6.87	17.3	16.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	11:54	19.4	7.9	26.8	6.85	18.1	16.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	11:54						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	11:54						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	1	11:54	19.5	7.9	26.9	6.81	19.1	20.6
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	2	11:54	19.6	7.9	26.8	6.77	18.3	20.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	12:22	19.5	7.9	26.9	6.89	18.2	18.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	12:22	19.5	7.9	26.8	6.88	17.8	18.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	3.8	2	1	12:22	19.5	7.9	26.9	6.82	18.6	16.8
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	3.8	2	2	12:22	19.6	7.9	27.0	6.84	19.1	17.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	6.6	3	1	12:22	19.6	8.0	27.0	6.85	23.1	19.1
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	6.6	3	2	12:22	19.5	7.9	27.0	6.81	22.3	17.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	14:51	19.8	7.9	27.0	6.82	18.0	16.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	14:51	19.7	7.8	27.0	6.83	18.4	16.7
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	3.8	2	1	14:51	19.7	7.9	27.1	6.74	19.6	17.6
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	3.8	2	2	14:51	19.7	7.9	27.1	6.80	19.9	17.7
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	6.6	3	1	14:51	19.6	8.0	27.0	6.83	24.9	21.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	6.6	3	2	14:51	19.7	8.0	27.1	6.78	24.3	21.2
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	17:25	19.8	7.9	26.9	6.98	18.1	18.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	17:25	19.8	7.9	26.9	6.92	18.4	18.8
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	17:25						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	17:25						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	4.2	3	1	17:25	19.7	8.0	27.0	6.62	22.8	21.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	4.2	3	2	17:25	19.7	8.0	27.1	6.68	23.1	21.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	16:56	19.8	7.9	27.0	6.72	19.4	16.7
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	16:56	19.9	7.9	26.9	6.78	19.6	17.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	16:56						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	16:56						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	4.4	3	1	16:56	19.8	7.8	27.0	6.70	22.4	19.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	4.4	3	2	16:56	19.8	7.8	27.0	6.68	22.8	20.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	16:26	19.9	7.9	26.9	6.81	18.7	17.3
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	16:26	19.8	7.9	26.9	6.83	18.9	16.6
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	16:26						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	16:26						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.0	3	1	16:26	19.7	7.9	27.1	6.75	21.8	19.2
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.0	3	2	16:26	19.7	7.9	27.0	6.77	21.0	18.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	15:56	19.9	8.0	27.0	6.94	17.8	15.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	15:56	19.9	8.0	27.0	6.88	18.4	16.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	4.5	2	1	15:56	19.8	7.9	27.1	6.76	19.5	19.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	4.5	2	2	15:56	19.7	7.9	27.1	6.83	20.3	19.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	8.0	3	1	15:56	19.7	7.9	27.0	6.88	21.4	20.5
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	8.0	3	2	15:56	19.7	7.9	27.1	6.90	21.9	20.6
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	15:26	19.8	7.9	26.9	6.90	18.7	16.9
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	15:26	19.8	7.9	26.9	6.84	18.3	16.4
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	15:26						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	15:26						
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	1	15:26	19.7	7.9	27.0	6.79	19.8	23.0
TM-CLK Southern	HY/2012/07	2013-12-07	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	2	15:26	19.8	7.9				

## Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	12:10	19.5	7.8	26.7	7.01	4.5	2.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	12:10	19.4	7.7	26.8	6.99	4.6	2.7
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.5	2	1	12:10	19.5	7.8	26.9	6.94	8.2	4.4
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.5	2	2	12:10	19.6	7.8	26.9	6.96	8.1	3.5
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	10.0	3	1	12:10	19.6	7.8	26.9	6.95	16.9	11.3
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	10.0	3	2	12:10	19.7	7.9	27.0	6.92	16.1	11.5
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	12:45	19.4	7.9	26.8	6.97	6.3	4.4
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	12:45	19.5	7.9	26.7	6.93	6.3	6.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	12:45						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	12:45						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	4.8	3	1	12:45	19.6	7.9	26.8	6.91	12.0	9.0
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	4.8	3	2	12:45	19.5	7.9	26.9	6.89	12.6	9.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	13:15	19.5	7.8	26.9	6.98	7.2	4.7
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	13:15	19.4	7.8	26.8	6.96	7.3	4.0
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	13:15						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	13:15						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	4.6	3	1	13:15	19.6	7.9	27.0	6.93	14.5	9.7
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	4.6	3	2	13:15	19.5	7.9	27.1	6.89	14.8	10.4
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	13:15	19.5	7.9	26.8	6.95	8.9	4.7
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	13:15	19.6	7.9	26.9	6.96	9.0	3.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	13:15						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	13:15						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	1	13:15	19.7	7.8	27.0	6.93	9.5	8.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	2	13:15	19.7	7.9	26.9	6.90	9.5	6.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	14:15	19.6	7.9	26.7	7.00	4.7	2.5
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	14:15	19.6	7.9	26.8	6.90	4.7	2.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.7	2	1	14:15	19.7	7.9	26.9	6.93	6.9	3.5
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.7	2	2	14:15	19.6	7.9	27.0	6.90	6.9	2.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	8.4	3	1	14:15	19.7	7.9	27.1	6.88	14.0	11.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	8.4	3	2	14:15	19.8	7.9	27.0	6.87	15.0	12.2
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	14:45	19.6	7.9	26.8	6.93	7.3	6.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	14:45	19.5	7.9	26.9	6.91	7.4	8.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	14:45						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	14:45						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.4	3	1	14:45	19.6	7.8	27.0	6.87	10.7	7.5
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.4	3	2	14:45	19.7	7.8	27.0	6.83	10.9	8.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	15:20	19.6	7.9	26.8	6.95	4.8	2.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	15:20	19.6	7.9	26.8	6.94	4.9	2.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	4.1	2	1	15:20	19.7	7.8	26.9	6.88	5.5	3.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	4.1	2	2	15:20	19.6	7.9	27.0	6.90	5.6	3.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	7.2	3	1	15:20	19.8	7.9	27.1	6.91	13.3	10.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	7.2	3	2	15:20	19.7	7.9	27.0	6.87	12.9	11.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	18:33	19.6	7.9	26.8	6.86	4.8	2.3
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	18:33	19.7	7.9	26.9	6.85	4.9	3.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	4.2	2	1	18:33	19.7	7.9	27.0	6.79	5.6	6.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	4.2	2	2	18:33	19.6	7.9	26.9	6.81	5.7	5.2
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	7.4	3	1	18:33	19.8	7.9	27.1	6.82	13.6	12.2
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	7.4	3	2	18:33	19.8	7.9	27.2	6.78	13.2	11.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	21:08	19.4	7.8	26.7	6.88	6.3	8.7
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	21:08	19.3	7.8	26.8	6.84	6.4	8.0
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	21:08						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	21:08						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	4.6	3	1	21:08	19.4	7.9	26.9	6.82	12.5	8.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	4.6	3	2	21:08	19.5	7.9	26.9	6.80	13.1	8.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	20:38	19.4	7.9	26.8	6.89	7.3	10.4
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	20:38	19.4	7.9	26.7	6.87	7.3	10.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	20:38						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	20:38						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	4.4	3	1	20:38	19.5	7.9	26.9	6.84	15.0	9.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	4.4	3	2	20:38	19.4	7.9	27.0	6.88	15.3	10.5
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	20:08	19.5	7.9	26.8	6.86	9.0	5.1
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	20:08	19.4	7.9	26.8	6.87	9.0	5.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	20:08						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	20:08						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.6	3	1	20:08	19.5	7.9	26.9	6.84	9.5	8.7
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.6	3	2	20:08	19.6	7.9	26.8	6.81	9.6	9.0
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	19:38	19.5	7.9	26.7	6.92	4.7	4.0
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	19:38	19.6	7.9	26.7	6.90	4.8	2.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	4.6	2	1	19:38	19.6	7.9	26.9	6.84	6.9	4.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	4.6	2	2	19:38	19.5	7.9	26.8	6.81	7.0	3.9
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	8.2	3	1	19:38	19.6	7.9	27.0	6.85	14.9	11.2
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	8.2	3	2	19:38	19.7	7.9	26.9	6.84	15.5	11.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	19:08	19.6	7.9	26.8	6.84	7.4	6.3
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	19:08	19.7	7.9	26.7	6.82	7.5	5.8
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	19:08						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	19:08						
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	1	19:08	19.8	7.9	26.9	6.78	11.2	8.3
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	2	19:08	19.7	7.8	27.0	6.74	11.4	9.6
TM-CLK Southern	HY/2012/07	2013-12-10	Mid-Ebb	Cloud													

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	13:43	20.1	7.5	26.2	6.49	4.6	2.8
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	13:43	20.2	7.5	26.1	6.52	4.9	3.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	4.9	2	1	13:43	20.3	7.5	26.3	6.61	4.8	2.9
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	4.9	2	2	13:43	20.2	7.5	26.4	6.58	4.9	3.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	8.8	3	1	13:43	20.3	7.5	26.4	6.56	4.9	3.5
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	8.8	3	2	13:43	20.3	7.5	26.5	6.54	4.8	2.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	14:18	20.2	7.5	26.1	6.46	4.7	7.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	14:18	20.1	7.5	26.2	6.44	4.4	6.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	14:18						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	14:18						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	1	14:18	20.2	7.5	26.3	6.51	5.0	7.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	2	14:18	20.2	7.5	26.2	6.52	4.9	5.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	14:48	20.2	7.4	26.2	6.59	11.9	7.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	14:48	20.2	7.4	26.1	6.57	9.5	6.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	14:48						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	14:48						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	1	14:48	20.2	7.5	26.3	6.62	8.9	7.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	2	14:48	20.1	7.5	26.3	6.61	10.3	5.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	15:18	20.2	7.5	26.1	6.56	7.7	5.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	15:18	20.1	7.5	26.2	6.53	7.8	5.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	15:18						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	15:18						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.0	3	1	15:18	20.2	7.5	26.4	6.62	7.5	5.5
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.0	3	2	15:18	20.3	7.5	26.3	6.67	7.4	5.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	15:48	20.3	7.4	26.3	6.47	6.5	3.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	15:48	20.2	7.4	26.2	6.50	6.5	2.5
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	3.6	2	1	15:48	20.3	7.5	26.3	6.58	6.6	2.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	3.6	2	2	15:48	20.3	7.5	26.4	6.61	6.6	3.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	6.2	3	1	15:48	20.3	7.5	26.4	6.56	6.6	3.2
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	6.2	3	2	15:48	20.4	7.5	26.4	6.55	6.6	2.9
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	16:18	20.1	7.5	25.8	6.52	4.7	3.8
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	16:18	20.0	7.5	25.7	6.56	4.6	3.5
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	16:18						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	16:18						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	3.6	3	1	16:18	20.2	7.4	25.8	6.58	4.8	4.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	3.6	3	2	16:18	20.2	7.4	25.9	6.59	4.8	3.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	16:53	20.1	7.5	25.8	6.62	10.0	6.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	16:53	20.1	7.4	25.9	6.59	10.0	7.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	4.6	2	1	16:53	20.1	7.5	25.9	6.69	10.0	7.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	4.6	2	2	16:53	20.2	7.5	26.0	6.66	10.0	7.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	8.2	3	1	16:53	20.3	7.5	26.1	6.53	9.3	7.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	8.2	3	2	16:53	20.2	7.5	26.0	6.50	9.8	7.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	07:50	20.0	7.4	25.7	6.56	10.9	8.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	07:50	20.0	7.4	25.8	6.53	10.2	7.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	4.4	2	1	07:50	20.1	7.5	25.9	6.63	10.4	7.2
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	4.4	2	2	07:50	20.1	7.5	25.9	6.60	10.7	9.1
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	7.8	3	1	07:50	20.1	7.4	25.9	6.44	9.3	10.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	7.8	3	2	07:50	20.2	7.4	26.0	6.47	9.9	10.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	09:53	20.1	7.4	26.0	6.40	4.8	4.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	09:53	20.1	7.4	26.1	6.38	4.5	2.8
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	09:53						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	09:53						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.6	3	1	09:53	20.1	7.5	26.2	6.45	5.0	3.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.6	3	2	09:53	20.1	7.5	26.2	6.46	5.0	3.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	09:28	20.1	7.4	26.0	6.53	5.5	3.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	09:28	20.0	7.4	26.1	6.51	5.4	3.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	09:28						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	09:28						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.6	3	1	09:28	20.1	7.4	26.1	6.56	6.1	3.2
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.6	3	2	09:28	20.1	7.4	26.2	6.55	5.6	2.9
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	09:06	20.1	7.4	26.1	6.50	4.6	3.6
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	09:06	20.1	7.4	26.1	6.47	4.2	3.8
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	09:06						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	09:06						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	3.8	3	1	09:06	20.1	7.5	26.2	6.56	4.8	3.9
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	3.8	3	2	09:06	20.2	7.5	26.3	6.58	4.8	4.5
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	08:40	20.1	7.4	26.1	6.41	5.6	4.5
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	08:40	20.2	7.4	26.2	6.44	5.3	3.2
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.4	2	1	08:40	20.2	7.4	26.2	6.52	4.4	5.0
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.4	2	2	08:40	20.2	7.4	26.2	6.55	4.9	5.8
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	5.8	3	1	08:40	20.2	7.5	26.3	6.50	5.2	4.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	5.8	3	2	08:40	20.2	7.5	26.2	6.49	4.9	4.3
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	08:15	20.0	7.5	25.6	6.50	4.8	3.2
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	08:15	20.0	7.5	25.7	6.46	4.7	3.4
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	08:15						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	08:15						
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.4	3	1	08:15	20.0	7.4	25.7	6.52	4.9	3.7
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.4	3	2	08:15	20.1	7.4	25.7	6.54	4.9	2.9
TM-CLK Southern	HY/2012/07	2013-12-12	Mid-Ebb	Cloudy	Small Wave	CS(Mf)5</											

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	14:55	20.3	7.7	27.4	7.43	7.8	8.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	14:55	20.2	7.7	27.3	7.40	7.1	8.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.2	2	1	14:55	20.3	7.7	27.5	7.36	11.5	11.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.2	2	2	14:55	20.3	7.7	27.6	7.33	10.8	12.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	9.4	3	1	14:55	20.4	7.7	27.6	7.20	17.6	20.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	9.4	3	2	14:55	20.3	7.7	27.5	7.17	17.9	21.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	15:25	20.1	7.8	27.3	7.33	7.6	7.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	15:25	20.2	7.8	27.4	7.30	7.5	6.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	15:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	15:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	1	15:25	20.3	7.8	27.4	7.17	9.4	7.8
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	2	15:25	20.2	7.8	27.5	7.20	10.9	7.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	15:55	20.2	7.8	27.3	7.16	7.6	7.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	15:55	20.1	7.8	27.4	7.19	7.8	9.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	15:55						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	15:55						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	1	15:55	20.2	7.8	27.5	7.11	8.6	8.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	2	15:55	20.3	7.8	27.4	7.06	9.5	7.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	16:25	20.2	7.8	27.4	7.27	7.0	7.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	16:25	20.2	7.8	27.3	7.24	6.6	7.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	16:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	16:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.0	3	1	16:25	20.3	7.8	27.5	7.15	10.1	12.0
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.0	3	2	16:25	20.2	7.8	27.6	7.11	11.2	13.1
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	16:55	20.1	7.8	27.4	7.22	9.0	7.9
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	16:55	20.2	7.8	27.3	7.18	8.1	8.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle		2	1	16:55	20.2	7.8	27.5	7.11	10.9	10.8
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle		2	2	16:55	20.2	7.9	27.5	7.10	11.1	11.0
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	6.2	3	1	16:55	20.3	7.8	27.7	7.02	19.1	22.1
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	6.2	3	2	16:55	20.2	7.8	27.6	7.05	18.7	21.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	17:25	20.1	7.9	27.3	7.24	6.8	9.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	17:25	20.0	7.9	27.2	7.20	7.5	10.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	17:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	17:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	1	17:25	20.1	7.9	27.4	7.12	9.0	13.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	2	17:25	20.1	7.9	27.5	7.09	10.0	13.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	18:05	20.1	7.9	27.3	7.28	10.9	11.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	18:05	20.0	7.9	27.4	7.31	11.5	12.1
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	4.7	2	1	18:05	20.2	7.9	27.5	7.13	11.8	11.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	4.7	2	2	18:05	20.1	7.9	27.6	7.16	12.0	11.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	8.4	3	1	18:05	20.2	7.9	27.8	7.11	10.2	10.8
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	8.4	3	2	18:05	20.2	7.9	27.7	7.07	10.0	12.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	09:20	20.0	7.8	27.3	7.19	11.1	13.7
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	09:20	20.0	7.8	27.3	7.22	11.9	12.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	4.5	2	1	09:20	20.0	7.9	27.5	7.04	12.1	12.0
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	4.5	2	2	09:20	20.1	7.9	27.5	7.07	12.6	12.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	8.0	3	1	09:20	20.1	7.8	27.7	7.02	10.8	13.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	8.0	3	2	09:20	20.1	7.8	27.7	6.98	10.1	12.9
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	11:25	20.1	7.8	27.3	7.24	7.7	8.0
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	11:25	20.1	7.8	27.3	7.21	7.6	7.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	11:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	11:25						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.5	3	1	11:25	20.1	7.8	27.3	7.08	9.5	9.1
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.5	3	2	11:25	20.2	7.8	27.4	7.11	11.7	9.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	10:55	20.1	7.7	27.3	7.07	7.7	7.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	10:55	20.1	7.7	27.3	7.10	7.9	6.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	10:55						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	10:55						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.6	3	1	10:55	20.1	7.7	27.5	7.02	8.7	8.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.6	3	2	10:55	20.1	7.7	27.4	6.97	9.5	7.9
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	10:32	20.1	7.8	27.3	7.18	7.1	6.3
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	10:32	20.0	7.8	27.3	7.15	6.7	6.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	10:32						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	10:32						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	3.8	3	1	10:32	20.1	7.8	27.4	7.06	10.6	9.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	3.8	3	2	10:32	20.1	7.8	27.5	7.02	11.5	11.0
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	10:08	20.0	7.8	27.2	7.13	9.0	9.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	10:08	20.1	7.8	27.3	7.09	8.1	9.4
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.5	2	1	10:08	20.1	7.8	27.4	7.02	11.7	13.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.5	2	2	10:08	20.1	7.8	27.4	7.01	11.5	14.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.0	3	1	10:08	20.1	7.8	27.5	6.93	19.9	23.2
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.0	3	2	10:08	20.2	7.8	27.6	6.96	19.3	21.1
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	09:46	20.0	7.9	27.1	7.15	6.8	15.5
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	09:46	20.0	7.9	27.2	7.11	7.6	14.0
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	09:46						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	09:46						
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.5	3	1	09:46	20.0	7.9	27.4	7.03	9.1	13.6
TM-CLK Southern	HY/2012/07	2013-12-14	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.5	3	2	09:46	20.0	7.9	27.4	7.00	10.4	13.8
TM-CLK Southern	HY/2012/07																



## Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)5	Surface	1.0	1	1	16:29	19.9	7.3	27.2	6.50	2.6	7.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)5	Surface	1.0	1	2	16:29	19.9	7.2	27.1	6.58	2.8	7.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)5	Middle	5.2	2	1	16:29	20.0	7.5	27.3	6.39	2.2	8.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)5	Middle	5.2	2	2	16:29	20.1	7.4	27.2	6.43	2.3	8.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)5	Bottom	9.4	3	1	16:29	20.2	7.5	27.3	6.19	1.5	10.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)5	Bottom	9.4	3	2	16:29	20.1	7.5	27.4	6.14	1.6	8.8
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4a	Surface	1.0	1	1	17:04	19.9	7.3	27.1	6.20	8.6	11.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4a	Surface	1.0	1	2	17:04	20.0	7.3	27.0	6.22	8.8	11.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4a	Middle		2	1	17:04						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4a	Middle		2	2	17:04						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4a	Bottom	4.0	3	1	17:04	20.1	7.4	27.2	6.05	5.9	13.8
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4a	Bottom	4.0	3	2	17:04	20.1	7.4	27.3	5.99	6.0	14.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4	Surface	1.0	1	1	17:34	19.9	7.4	27.1	6.32	4.4	7.7
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4	Surface	1.0	1	2	17:34	20.0	7.4	27.2	6.36	4.4	6.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4	Middle		2	1	17:34						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4	Middle		2	2	17:34						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4	Bottom	4.2	3	1	17:34	20.0	7.4	27.2	6.20	4.7	10.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	SR4	Bottom	4.2	3	2	17:34	20.1	7.5	27.3	6.22	4.8	9.8
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS8	Surface	1.0	1	1	18:04	20.1	7.4	27.3	6.19	8.6	7.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS8	Surface	1.0	1	2	18:04	20.0	7.4	27.2	6.21	8.5	7.9
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS8	Middle		2	1	18:04						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS8	Middle		2	2	18:04						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS8	Bottom	4.4	3	1	18:04	20.1	7.5	27.2	6.14	5.1	9.1
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS8	Bottom	4.4	3	2	18:04	20.1	7.5	27.2	6.17	5.1	9.0
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)16	Surface	1.0	1	1	18:34	20.1	7.4	27.2	6.15	2.9	8.7
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)16	Surface	1.0	1	2	18:34	20.2	7.4	27.1	6.19	3.0	9.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)16	Middle	3.4	2	1	18:34	20.2	7.5	27.3	6.11	3.2	8.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)16	Middle	3.4	2	2	18:34	20.3	7.4	27.2	6.07	3.1	8.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)16	Bottom	5.8	3	1	18:34	20.3	7.3	27.3	6.36	2.0	8.8
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)16	Bottom	5.8	3	2	18:34	20.3	7.3	27.3	6.39	1.9	8.1
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)9	Surface	1.0	1	1	19:04	19.9	7.3	27.1	6.28	5.3	8.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)9	Surface	1.0	1	2	19:04	20.0	7.3	27.0	6.30	5.4	7.0
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)9	Middle		2	1	19:04						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)9	Middle		2	2	19:04						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)9	Bottom	3.8	3	1	19:04	20.1	7.3	27.1	6.09	6.7	9.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	IS(Mf)9	Bottom	3.8	3	2	19:04	20.0	7.3	27.2	6.17	6.9	9.8
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)3	Surface	1.0	1	1	19:39	19.9	7.2	26.9	6.52	2.1	10.1
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)3	Surface	1.0	1	2	19:39	19.8	7.2	27.0	6.49	2.0	10.0
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)3	Middle	4.4	2	1	19:39	19.9	7.3	27.1	6.21	2.2	11.7
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)3	Middle	4.4	2	2	19:39	20.0	7.4	27.0	6.19	2.2	12.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)3	Bottom	7.8	3	1	19:39	20.0	7.4	27.2	6.11	2.0	12.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Flood	Drizzle	Small Wave	CS(Mf)3	Bottom	7.8	3	2	19:39	20.1	7.5	27.1	6.18	2.1	12.5
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)3	Surface	1.0	1	1	11:18	19.9	7.2	27.0	6.43	2.4	13.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)3	Surface	1.0	1	2	11:18	19.9	7.2	27.0	6.40	2.5	12.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)3	Middle	4.3	2	1	11:18	20.0	7.3	27.0	6.12	3.2	13.7
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)3	Middle	4.3	2	2	11:18	20.1	7.3	27.1	6.10	3.2	12.9
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)3	Bottom	7.6	3	1	11:18	20.1	7.4	27.1	6.02	1.9	12.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)3	Bottom	7.6	3	2	11:18	20.1	7.4	27.1	6.10	1.9	13.7
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4a	Surface	1.0	1	1	13:54	19.8	7.2	26.9	6.11	8.8	9.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4a	Surface	1.0	1	2	13:54	19.8	7.3	26.9	6.13	8.9	9.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4a	Middle		2	1	13:54						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4a	Middle		2	2	13:54						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4a	Bottom	2.4	3	1	13:54	20.0	7.4	27.1	5.96	6.1	9.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4a	Bottom	2.4	3	2	13:54	20.0	7.4	27.0	5.90	6.1	9.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4	Surface	1.0	1	1	13:24	19.9	7.4	27.1	6.23	4.6	9.1
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4	Surface	1.0	1	2	13:24	19.9	7.4	27.0	6.27	4.6	10.0
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4	Middle		2	1	13:24						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4	Middle		2	2	13:24						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4	Bottom	3.8	3	1	13:24	20.0	7.4	27.1	6.11	4.9	10.6
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	SR4	Bottom	3.8	3	2	13:24	20.0	7.4	27.2	6.13	4.9	10.9
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS8	Surface	1.0	1	1	12:53	19.9	7.4	27.2	6.10	8.9	10.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS8	Surface	1.0	1	2	12:53	19.8	7.4	27.3	6.12	8.8	10.3
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS8	Middle		2	1	12:53						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS8	Middle		2	2	12:53						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS8	Bottom	4.0	3	1	12:53	20.0	7.5	27.0	6.05	5.3	10.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS8	Bottom	4.0	3	2	12:53	19.9	7.5	27.1	6.08	5.3	9.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)16	Surface	1.0	1	1	12:23	20.0	7.4	27.1	6.06	3.0	10.5
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)16	Surface	1.0	1	2	12:23	19.9	7.4	27.1	6.10	3.0	9.5
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)16	Middle	3.2	2	1	12:23	20.0	7.5	27.2	6.02	4.9	10.0
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)16	Middle	3.2	2	2	12:23	20.0	7.4	27.2	5.98	5.0	10.5
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)16	Bottom	5.4	3	1	12:23	20.1	4.2	27.0	6.27	2.0	9.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)16	Bottom	5.4	3	2	12:23	20.1	4.3	27.1	6.30	2.1	8.9
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)9	Surface	1.0	1	1	11:53	19.9	7.2	26.9	6.19	5.4	8.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)9	Surface	1.0	1	2	11:53	19.9	7.3	27.0	6.21	5.4	8.0
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)9	Middle		2	1	11:53						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)9	Middle		2	2	11:53						
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)9	Bottom	3.6	3	1	11:53	20.0	7.3	27.0	6.00	6.9	9.4
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	IS(Mf)9	Bottom	3.6	3	2	11:53	20.0	7.3	27.0	6.08	7.0	9.2
TM-CLK Southern	HY/2012/07	2013-12-17	Mid-Ebb	Drizzle	Calm	CS(Mf)5	Surface	1.0	1	1							

## Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	1	17:33	19.6	7.3	27.1	6.21	9.2	8.1
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	2	17:33	19.5	7.3	27.0	6.20	9.1	9.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)5	Middle	4.6	2	1	17:33	19.5	7.4	27.2	6.18	9.5	8.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)5	Middle	4.6	2	2	17:33	19.6	7.5	27.2	6.12	9.5	8.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)5	Bottom	8.2	3	1	17:33	19.8	7.5	27.2	6.02	8.4	8.2
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)5	Bottom	8.2	3	2	17:33	19.7	7.5	27.3	6.03	8.3	8.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4a	Surface	1.0	1	1	18:08	19.4	7.4	27.1	6.18	7.7	8.8
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4a	Surface	1.0	1	2	18:08	19.5	7.4	27.1	6.20	7.6	8.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4a	Middle		2	1	18:08						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4a	Middle		2	2	18:08						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4a	Bottom	3.6	3	1	18:08	19.7	7.6	27.2	6.07	8.0	7.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4a	Bottom	3.6	3	2	18:08	19.6	7.6	27.2	6.10	7.9	7.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4	Surface	1.0	1	1	18:38	19.5	7.2	27.0	6.19	8.1	8.2
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4	Surface	1.0	1	2	18:38	19.6	7.3	27.0	6.21	8.1	7.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4	Middle		2	1	18:38						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4	Middle		2	2	18:38						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4	Bottom	3.8	3	1	18:38	19.7	7.3	27.1	5.94	7.1	9.1
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	SR4	Bottom	3.8	3	2	18:38	19.6	7.3	27.1	5.96	7.2	7.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS8	Surface	1.0	1	1	19:06	19.6	7.4	27.0	6.15	8.2	8.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS8	Surface	1.0	1	2	19:06	19.7	7.5	26.9	6.11	8.3	7.8
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS8	Middle		2	1	19:06						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS8	Middle		2	2	19:06						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS8	Bottom	4.8	3	1	19:06	19.8	7.4	27.1	6.00	6.8	9.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS8	Bottom	4.8	3	2	19:06	19.8	7.4	27.1	6.08	6.9	8.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	1	19:35	19.7	7.6	27.1	6.09	9.7	8.7
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	2	19:35	19.7	7.6	27.0	6.11	9.8	8.7
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)16	Middle	3.9	2	1	19:35	19.7	7.5	27.2	6.24	9.6	8.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)16	Middle	3.9	2	2	19:35	19.8	7.5	27.2	6.26	9.7	9.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)16	Bottom	6.8	3	1	19:35	19.8	7.5	27.3	6.06	9.2	9.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)16	Bottom	6.8	3	2	19:35	19.8	7.5	27.4	6.01	9.3	9.1
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	1	20:05	19.5	7.2	27.0	6.12	7.6	7.3
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	2	20:05	19.4	7.2	27.1	6.14	7.7	7.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)9	Middle		2	1	20:05						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)9	Middle		2	2	20:05						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)9	Bottom	3.8	3	1	20:05	19.6	7.5	27.2	6.59	7.3	11.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	IS(Mf)9	Bottom	3.8	3	2	20:05	19.7	7.5	27.2	6.51	7.3	11.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	1	20:40	19.6	7.3	27.0	6.42	7.9	8.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	2	20:40	19.6	7.3	26.9	6.40	7.9	7.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)3	Middle	5.9	2	1	20:40	19.7	7.4	27.1	6.24	9.1	9.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)3	Middle	5.9	2	2	20:40	19.7	7.4	27.1	6.26	9.2	8.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)3	Bottom	10.8	3	1	20:40	19.8	7.5	27.2	6.10	9.6	9.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Flood	Fine	Small Wave	CS(Mf)3	Bottom	10.8	3	2	20:40	19.7	7.6	27.2	6.14	9.6	9.3
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)3	Surface	1.0	1	1	12:24	19.6	7.4	27.1	6.36	7.6	9.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)3	Surface	1.0	1	2	12:24	19.5	7.4	27.0	6.38	7.7	9.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)3	Middle	5.8	2	1	12:24	19.7	7.4	27.2	6.22	9.0	9.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)3	Middle	5.8	2	2	12:24	19.8	7.4	27.3	6.20	9.1	9.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)3	Bottom	10.8	3	1	12:24	19.9	7.2	27.5	6.04	9.5	10.7
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)3	Bottom	10.8	3	2	12:24	19.8	7.2	27.4	6.02	9.5	10.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4a	Surface	1.0	1	1	14:54	19.5	7.4	27.1	6.11	7.4	8.2
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4a	Surface	1.0	1	2	14:54	19.5	7.5	27.0	6.13	7.5	8.3
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4a	Middle		2	1	14:54						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4a	Middle		2	2	14:54						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4a	Bottom	3.4	3	1	14:54	19.6	7.7	27.3	6.04	7.8	9.7
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4a	Bottom	3.4	3	2	14:54	19.7	7.7	27.2	6.02	7.8	8.1
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4	Surface	1.0	1	1	14:24	19.4	7.3	27.0	6.15	7.9	8.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4	Surface	1.0	1	2	14:24	19.5	7.3	27.1	6.17	7.9	7.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4	Middle		2	1	14:24						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4	Middle		2	2	14:24						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4	Bottom	3.6	3	1	14:24	19.6	7.3	27.2	5.91	7.0	9.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	SR4	Bottom	3.6	3	2	14:24	19.7	7.4	27.3	5.89	7.0	9.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS8	Surface	1.0	1	1	13:54	19.5	7.5	27.1	6.09	8.1	7.2
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS8	Surface	1.0	1	2	13:54	19.5	7.5	27.1	6.11	8.1	8.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS8	Middle		2	1	13:54						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS8	Middle		2	2	13:54						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS8	Bottom	4.6	3	1	13:54	19.6	7.3	27.3	5.94	6.6	7.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS8	Bottom	4.6	3	2	13:54	19.6	7.3	27.2	5.96	6.6	9.3
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)16	Surface	1.0	1	1	13:24	19.5	7.6	27.1	5.94	9.6	9.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)16	Surface	1.0	1	2	13:24	19.6	7.6	27.0	5.96	9.6	9.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)16	Middle	3.8	2	1	13:24	19.7	7.5	27.3	6.17	9.4	9.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)16	Middle	3.8	2	2	13:24	19.8	7.5	27.2	6.19	9.4	8.0
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)16	Bottom	6.5	3	1	13:24	19.8	7.4	27.5	6.03	9.0	10.4
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)16	Bottom	6.5	3	2	13:24	19.8	7.4	27.5	6.01	9.0	11.6
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)9	Surface	1.0	1	1	12:59	19.5	7.3	27.1	6.04	7.5	7.5
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)9	Surface	1.0	1	2	12:59	19.5	7.3	27.2	6.06	7.5	8.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)9	Middle		2	1	12:59						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)9	Middle		2	2	12:59						
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)9	Bottom	3.5	3	1	12:59	19.7	7.5	27.3	6.43	7.2	8.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	IS(Mf)9	Bottom	3.5	3	2	12:59	19.6	7.5	27.3	6.45	7.2	8.9
TM-CLK Southern	HY/2012/07	2013-12-19	Mid-Ebb	Fine	Calm	CS(Mf)5	Surface	1.0	1	1	15:35	19.5	7.4	27.0	6.16	8.9	8.3
TM-CLK Southern	HY/2012/07	2013-1															



Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	08:15	18.6	7.3	27.2	6.27	7.5	7.9
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	08:15	18.6	7.3	27.3	6.30	7.4	7.6
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	4.9	2	1	08:15	18.7	7.3	27.4	6.44	7.6	10.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	4.9	2	2	08:15	18.7	7.3	27.4	6.48	7.7	10.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	8.8	3	1	08:15	18.8	7.4	27.4	6.51	7.8	12.1
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	8.8	3	2	08:15	18.9	7.4	27.5	6.57	7.9	12.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	08:48	18.6	7.4	27.3	6.41	7.7	7.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	08:48	18.7	7.4	27.3	6.43	7.8	8.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	08:48						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	08:48						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	1	08:48	18.8	7.5	27.5	6.32	7.4	7.9
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	2	08:48	18.8	7.5	27.5	6.38	7.5	7.2
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	09:18	18.6	7.7	27.2	6.23	8.1	6.6
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	09:18	18.6	7.7	27.3	6.27	8.2	7.9
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	09:18						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	09:18						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	1	09:18	18.8	7.6	27.4	6.36	7.9	7.6
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	2	09:18	18.9	7.6	27.4	6.34	7.9	8.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	09:48	18.6	7.5	27.4	6.41	8.4	8.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	09:48	18.7	7.6	27.3	6.43	8.5	6.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	09:48						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	09:48						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	1	09:48	18.9	7.6	27.4	6.27	8.2	6.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	2	09:48	18.9	7.6	27.5	6.29	8.4	6.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	10:18	18.7	7.4	27.3	6.50	8.5	9.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	10:18	18.6	7.4	27.4	6.54	8.6	9.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	3.9	2	1	10:18	18.8	7.4	27.6	6.07	8.2	8.1
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	3.9	2	2	10:18	18.8	7.4	27.5	6.03	8.2	7.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	6.8	3	1	10:18	18.9	7.7	27.5	6.19	8.7	8.3
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	6.8	3	2	10:18	18.8	7.8	27.5	6.21	8.7	8.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	10:48	18.7	7.5	27.2	6.27	7.9	6.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	10:48	18.7	7.5	27.2	6.23	7.9	6.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	10:48						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	10:48						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	1	10:48	18.9	7.6	27.4	6.38	8.2	7.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	2	10:48	18.8	7.6	27.5	6.40	8.3	6.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	11:20	18.7	7.5	27.3	6.17	7.4	8.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	11:20	18.8	7.5	27.2	6.19	7.5	9.1
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	5.9	2	1	11:20	18.8	7.4	27.3	6.28	8.0	9.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	5.9	2	2	11:20	18.8	7.4	27.4	6.30	8.1	9.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	10.8	3	1	11:20	18.8	7.5	27.5	6.08	8.4	8.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	10.8	3	2	11:20	18.9	7.5	27.6	6.02	8.5	8.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	13:28	18.6	7.5	27.2	6.23	8.5	8.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	13:28	18.7	7.4	27.3	6.27	8.4	8.9
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	5.8	2	1	13:28	18.5	7.4	27.4	6.36	8.1	10.3
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	5.8	2	2	13:28	18.6	7.4	27.5	6.40	8.0	9.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	10.6	3	1	13:28	18.8	7.7	27.6	6.14	7.7	10.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	10.6	3	2	13:28	18.9	7.7	27.6	6.13	7.8	9.3
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	16:03	18.8	7.4	27.1	6.42	7.7	8.9
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	16:03	18.8	7.4	27.1	6.40	7.7	7.9
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	16:03						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	16:03						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.4	3	1	16:03	18.9	7.5	27.2	6.35	8.1	7.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.4	3	2	16:03	18.9	7.5	27.3	6.37	8.2	9.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	15:32	18.7	7.6	27.2	6.43	8.1	8.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	15:32	18.6	7.6	27.3	6.47	8.1	6.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	15:32						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	15:32						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.4	3	1	15:32	18.9	7.6	27.4	6.28	7.9	8.8
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.4	3	2	15:32	18.9	7.7	27.4	6.30	7.9	8.1
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	15:02	18.6	7.5	27.3	6.29	7.4	6.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	15:02	18.5	7.5	27.2	6.21	7.6	7.2
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	15:02						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	15:02						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.2	3	1	15:02	18.8	7.5	27.5	6.39	7.7	8.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.2	3	2	15:02	18.8	7.6	27.4	6.31	7.9	7.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	14:32	18.5	7.4	27.2	6.18	7.6	7.6
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	14:32	18.5	7.4	27.3	6.20	7.6	8.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.6	2	1	14:32	18.6	7.5	27.4	6.20	7.9	8.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.6	2	2	14:32	18.6	7.5	27.4	6.22	8.1	10.0
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.2	3	1	14:32	18.9	7.6	27.5	6.24	7.9	10.3
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.2	3	2	14:32	18.8	7.7	27.4	6.20	8.0	10.5
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	14:01	18.8	7.6	27.3	6.13	8.8	6.7
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	14:01	18.7	7.6	27.3	6.17	9.4	6.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	14:01						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	14:01						
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.6	3	1	14:01	18.6	7.5	27.5	6.38	8.5	7.4
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.6	3	2	14:01	18.7	7.6	27.6	6.32	8.6	8.1
TM-CLK Southern	HY/2012/07	2013-12-21	Mid-Ebb	Cloudy	Small Wave	CS(Mf)5											

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)5	Surface	1.0	1	1	10:08	17.3	7.9	27.6	6.73	7.3	5.6
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)5	Surface	1.0	1	2	10:08	17.4	7.8	27.5	6.72	7.4	5.3
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)5	Middle	4.8	2	1	10:08	17.2	7.9	27.7	6.60	7.8	5.2
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)5	Middle	4.8	2	2	10:08	17.2	7.9	27.8	6.62	7.7	3.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)5	Bottom	8.6	3	1	10:08	17.2	8.0	27.8	6.54	8.0	10.6
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)5	Bottom	8.6	3	2	10:08	17.3	7.9	27.8	6.50	7.8	8.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4a	Surface	1.0	1	1	10:43	17.3	8.0	27.6	6.62	11.4	11.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4a	Surface	1.0	1	2	10:43	17.3	8.0	27.6	6.63	13.2	13.0
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4a	Middle		2	1	10:43						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4a	Middle		2	2	10:43						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4a	Bottom	2.8	3	1	10:43	17.2	8.0	27.6	6.67	19.5	22.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4a	Bottom	2.8	3	2	10:43	17.3	8.0	27.6	6.65	16.7	21.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4	Surface	1.0	1	1	11:13	17.3	7.2	27.5	6.99	12.7	12.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4	Surface	1.0	1	2	11:13	17.3	7.2	27.5	6.85	18.5	12.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4	Middle		2	1	11:13						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4	Middle		2	2	11:13						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4	Bottom	3.1	3	1	11:13	17.3	7.2	27.5	6.80	10.8	14.2
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	SR4	Bottom	3.1	3	2	11:13	17.3	7.2	27.5	6.81	16.8	13.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS8	Surface	1.0	1	1	11:43	17.2	7.5	27.5	6.80	11.4	8.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS8	Surface	1.0	1	2	11:43	17.3	7.5	27.6	6.84	11.6	9.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS8	Middle		2	1	11:43						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS8	Middle		2	2	11:43						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS8	Bottom	3.4	3	1	11:43	17.3	7.7	27.7	6.73	12.6	10.0
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS8	Bottom	3.4	3	2	11:43	17.2	7.7	27.6	6.72	12.9	11.0
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)16	Surface	1.0	1	1	12:13	17.3	7.8	27.6	6.72	10.8	3.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)16	Surface	1.0	1	2	12:13	17.3	7.8	27.6	6.74	10.2	4.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)16	Middle	3.4	2	1	12:13	17.3	7.8	27.8	6.40	8.7	4.2
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)16	Middle	3.4	2	2	12:13	17.2	7.8	27.7	6.48	8.8	4.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)16	Bottom	5.8	3	1	12:13	17.2	8.0	27.8	6.59	8.5	4.2
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)16	Bottom	5.8	3	2	12:13	17.2	8.0	27.8	6.61	8.7	4.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)9	Surface	1.0	1	1	12:43	17.3	7.8	27.3	6.67	11.7	8.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)9	Surface	1.0	1	2	12:43	17.3	7.8	27.4	6.63	11.9	9.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)9	Middle		2	1	12:43						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)9	Middle		2	2	12:43						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)9	Bottom	3.8	3	1	12:43	17.2	7.9	27.8	6.50	9.4	9.3
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	IS(Mf)9	Bottom	3.8	3	2	12:43	17.2	7.9	27.7	6.48	9.1	8.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)3	Surface	1.0	1	1	13:18	17.4	7.6	27.4	6.78	8.7	7.1
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)3	Surface	1.0	1	2	13:18	17.3	7.6	27.5	6.79	8.6	6.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)3	Middle	4.4	2	1	13:18	17.3	7.5	27.6	6.55	7.3	6.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)3	Middle	4.4	2	2	13:18	17.3	7.6	27.6	6.51	7.2	5.6
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)3	Bottom	7.8	3	1	13:18	17.2	7.7	27.7	6.39	8.4	5.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Flood	Fine	Calm	CS(Mf)3	Bottom	7.8	3	2	13:18	17.2	7.7	27.7	6.31	8.6	4.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	1	15:48	17.3	7.7	27.6	6.54	9.0	5.1
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	2	15:48	17.4	7.7	27.5	6.56	8.8	6.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Middle	4.3	2	1	15:48	17.3	7.8	27.8	6.81	7.4	5.8
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Middle	4.3	2	2	15:48	17.3	7.9	27.8	6.83	7.2	6.1
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Bottom	7.6	3	1	15:48	17.3	7.8	27.9	6.36	7.7	5.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Bottom	7.6	3	2	15:48	17.2	7.8	27.8	6.34	7.7	6.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4a	Surface	1.0	1	1	18:15	17.4	7.7	27.5	6.47	12.3	8.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4a	Surface	1.0	1	2	18:15	17.4	7.7	27.6	6.43	12.7	9.3
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4a	Middle		2	1	18:15						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4a	Middle		2	2	18:15						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4a	Bottom	3.8	3	1	18:15	17.2	7.7	27.8	6.74	13.6	10.6
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4a	Bottom	3.8	3	2	18:15	17.3	7.7	27.8	6.71	13.9	11.2
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4	Surface	1.0	1	1	17:48	17.3	7.3	27.7	6.32	13.2	10.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4	Surface	1.0	1	2	17:48	17.3	7.3	27.6	6.38	13.0	9.0
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4	Middle		2	1	17:48						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4	Middle		2	2	17:48						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4	Bottom	3.4	3	1	17:48	17.2	7.3	27.8	6.70	14.9	10.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	SR4	Bottom	3.4	3	2	17:48	17.2	7.4	27.7	6.68	14.1	11.8
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS8	Surface	1.0	1	1	17:23	17.3	7.7	27.5	6.49	10.3	9.9
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS8	Surface	1.0	1	2	17:23	17.3	7.6	27.6	6.51	10.1	8.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS8	Middle		2	1	17:23						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS8	Middle		2	2	17:23						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS8	Bottom	3.6	3	1	17:23	17.2	7.8	27.7	6.50	12.4	8.3
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS8	Bottom	3.6	3	2	17:23	17.2	7.7	27.7	6.54	12.9	9.6
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	1	16:53	17.3	7.8	27.6	6.70	6.3	5.0
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	2	16:53	17.4	7.8	27.6	6.68	6.5	5.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Middle	3.5	2	1	16:53	17.3	7.8	27.7	6.57	7.3	4.4
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Middle	3.5	2	2	16:53	17.3	7.8	27.6	6.53	7.5	4.2
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Bottom	6.0	3	1	16:53	17.2	7.8	27.7	6.42	6.9	4.8
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Bottom	6.0	3	2	16:53	17.2	7.9	27.7	6.48	7.0	4.6
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	1	16:23	17.4	7.8	27.6	6.74	13.6	9.8
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	2	16:23	17.4	7.8	27.5	6.76	13.0	10.7
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Middle		2	1	16:23						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Middle		2	2	16:23						
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Bottom	3.6	3	1	16:23	17.2	7.9	27.7	6.42	14.0	14.0
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Bottom	3.6	3	2	16:23	17.3	7.9	27.6	6.41	13.2	12.5
TM-CLK Southern	HY/2012/07	2013-12-24	Mid-Ebb	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	1	18:48	17.3	7.4	27.4	6.52	7.7	

## Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	1	11:40	19.1	7.4	27.2	6.39	5.0	3.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	2	11:40	19.1	7.3	27.1	6.41	5.0	3.7
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)5	Middle	4.9	2	1	11:40	19.2	7.4	27.3	6.37	5.4	4.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)5	Middle	4.9	2	2	11:40	19.3	7.4	27.4	6.35	5.4	3.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)5	Bottom	8.7	3	1	11:40	19.4	7.5	27.6	6.59	5.3	4.7
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)5	Bottom	8.7	3	2	11:40	19.4	7.5	27.5	6.61	5.3	4.0
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4a	Surface	1.0	1	1	12:13	19.0	7.3	27.1	6.42	4.2	3.8
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4a	Surface	1.0	1	2	12:13	19.1	7.3	27.1	6.43	4.1	3.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4a	Middle		2	1	12:13						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4a	Middle		2	2	12:13						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4a	Bottom	3.6	3	1	12:13	19.2	7.5	27.3	6.35	5.7	4.7
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4a	Bottom	3.6	3	2	12:13	19.1	7.5	27.4	6.36	5.7	4.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4	Surface	1.0	1	1	12:43	19.1	7.5	27.0	6.16	3.9	3.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4	Surface	1.0	1	2	12:43	19.1	7.6	27.1	6.15	3.9	3.4
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4	Middle		2	1	12:43						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4	Middle		2	2	12:43						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4	Bottom	3.7	3	1	12:43	19.2	7.4	27.3	6.27	5.6	5.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	SR4	Bottom	3.7	3	2	12:43	19.3	7.4	27.4	6.25	5.6	4.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS8	Surface	1.0	1	1	13:13	19.1	7.4	27.1	6.45	4.0	4.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS8	Surface	1.0	1	2	13:13	19.2	7.4	27.2	6.43	4.0	3.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS8	Middle		2	1	13:13						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS8	Middle		2	2	13:13						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS8	Bottom	4.7	3	1	13:13	19.2	7.5	27.4	6.35	5.3	3.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS8	Bottom	4.7	3	2	13:13	19.1	7.5	27.4	6.34	5.3	4.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	1	13:50	19.2	7.4	27.0	6.65	5.1	3.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	2	13:50	19.1	7.4	27.1	6.63	5.1	3.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)16	Middle	3.9	2	1	13:50	19.2	7.6	27.3	6.14	4.7	3.8
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)16	Middle	3.9	2	2	13:50	19.3	7.6	27.2	6.17	4.7	5.0
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)16	Bottom	6.8	3	1	13:50	19.4	7.7	27.4	6.19	6.0	4.0
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)16	Bottom	6.8	3	2	13:50	19.3	7.7	27.5	6.21	5.9	4.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	1	14:20	19.0	7.4	27.0	6.39	4.2	3.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	2	14:20	19.1	7.4	27.1	6.41	4.2	3.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)9	Middle		2	1	14:20						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)9	Middle		2	2	14:20						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)9	Bottom	4.0	3	1	14:20	19.2	7.6	27.3	6.47	5.4	4.4
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	IS(Mf)9	Bottom	4.0	3	2	14:20	19.1	7.6	27.2	6.50	5.4	3.7
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	1	14:50	19.0	7.4	27.0	6.23	5.7	4.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	2	14:50	19.1	7.5	27.2	6.24	5.7	4.2
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)3	Middle	6.0	2	1	14:50	19.2	7.5	27.3	6.37	5.2	3.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)3	Middle	6.0	2	2	14:50	19.2	7.5	27.4	6.38	5.2	3.7
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)3	Bottom	10.9	3	1	14:50	19.3	7.6	27.5	6.21	5.4	3.4
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Flood	Fine	Small Wave	CS(Mf)3	Bottom	10.9	3	2	14:50	19.4	7.6	27.6	6.20	5.4	4.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	1	18:13	19.0	7.4	27.0	6.11	5.8	3.4
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Surface	1.0	1	2	18:13	19.1	7.4	27.1	6.09	5.8	4.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Middle	5.8	2	1	18:13	19.2	7.5	27.2	6.22	5.4	4.0
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Middle	5.8	2	2	18:13	19.3	7.5	27.3	6.24	5.4	4.0
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Bottom	10.0	3	1	18:13	19.4	7.4	27.4	6.02	5.5	3.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)3	Bottom	10.0	3	2	18:13	19.5	7.4	27.5	6.00	5.5	3.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4a	Surface	1.0	1	1	20:50	19.1	7.3	27.1	6.34	4.3	3.4
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4a	Surface	1.0	1	2	20:50	19.1	7.4	27.2	6.37	4.3	3.4
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4a	Middle		2	1	20:50						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4a	Middle		2	2	20:50						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4a	Bottom	3.5	3	1	20:50	19.2	7.4	27.3	6.24	5.8	4.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4a	Bottom	3.5	3	2	20:50	19.3	7.4	27.3	6.26	5.8	5.0
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4	Surface	1.0	1	1	20:19	19.2	7.5	27.2	6.14	4.0	3.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4	Surface	1.0	1	2	20:19	19.1	7.6	27.1	6.16	4.0	3.2
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4	Middle		2	1	20:19						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4	Middle		2	2	20:19						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4	Bottom	3.5	3	1	20:19	19.3	7.6	27.3	6.32	5.9	4.2
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	SR4	Bottom	3.5	3	2	20:19	19.3	7.6	27.4	6.34	5.9	4.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS8	Surface	1.0	1	1	19:48	19.1	7.4	27.2	6.34	4.1	3.5
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS8	Surface	1.0	1	2	19:48	19.1	7.5	27.2	6.31	4.2	3.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS8	Middle		2	1	19:48						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS8	Middle		2	2	19:48						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS8	Bottom	4.6	3	1	19:48	19.2	7.5	27.3	6.22	5.5	5.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS8	Bottom	4.6	3	2	19:48	19.3	7.6	27.4	6.20	5.5	4.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	1	19:17	19.0	7.4	27.0	6.44	5.2	4.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Surface	1.0	1	2	19:17	19.1	7.4	27.1	6.43	5.2	3.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Middle	3.8	2	1	19:17	19.2	7.4	27.2	6.02	4.8	4.2
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Middle	3.8	2	2	19:17	19.3	7.4	27.3	6.01	4.9	3.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Bottom	6.5	3	1	19:17	19.4	7.5	27.4	6.11	6.1	3.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)16	Bottom	6.5	3	2	19:17	19.5	7.5	27.5	6.14	6.1	3.3
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	1	18:46	19.0	7.5	27.0	6.17	4.4	3.8
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Surface	1.0	1	2	18:46	19.1	7.5	27.0	6.19	4.5	3.1
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Middle		2	1	18:46						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Middle		2	2	18:46						
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Bottom	3.6	3	1	18:46	19.2	7.5	27.2	6.32	5.4	4.6
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	IS(Mf)9	Bottom	3.6	3	2	18:46	19.2	7.5	27.3	6.35	5.4	4.9
TM-CLK Southern	HY/2012/07	2013-12-26	Mid-Ebb	Fine	Small Wave	CS(Mf)5	Surface	1.0	1	1	21:20	19.0	7.3	27.1	6.22	5.2	2.6

## Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	13:14	19.2	7.4	27.2	6.43	3.6	3.6
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	13:14	19.2	7.4	27.2	6.45	3.8	4.2
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	4.8	2	1	13:14	19.3	7.4	27.4	6.41	3.6	3.7
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	4.8	2	2	13:14	19.2	7.4	27.3	6.39	3.5	2.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	8.6	3	1	13:14	19.4	7.5	27.4	6.63	4.2	4.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	8.6	3	2	13:14	19.5	7.5	27.5	6.65	4.3	3.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	13:54	19.1	7.3	27.2	6.48	3.6	4.6
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	13:54	19.2	7.3	27.1	6.46	3.6	4.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	13:54						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	13:54						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	1	13:54	19.4	7.5	27.4	6.39	3.5	3.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	3.8	3	2	13:54	19.3	7.6	27.4	6.41	3.5	4.3
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	14:24	19.2	7.6	27.3	6.34	3.3	4.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	14:24	19.2	7.6	27.2	6.32	3.5	3.0
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	14:24						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	14:24						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	1	14:24	19.4	7.4	27.4	6.45	3.5	5.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	3.8	3	2	14:24	19.5	7.5	27.4	6.43	3.6	5.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	14:54	19.2	7.4	27.2	6.49	3.5	3.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	14:54	19.3	7.4	27.3	6.47	3.7	3.6
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	14:54						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	14:54						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	1	14:54	19.3	7.5	27.5	6.39	4.3	3.3
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	2	14:54	19.4	7.5	27.4	6.38	4.4	4.4
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	15:24	19.2	7.4	27.2	6.69	3.9	3.5
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	15:24	19.1	7.5	27.2	6.71	4.0	2.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.1	2	1	15:24	19.4	7.6	27.3	6.18	3.0	3.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.1	2	2	15:24	19.3	7.6	27.4	6.21	3.1	2.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	7.2	3	1	15:24	19.4	7.7	27.4	6.23	4.3	3.2
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	7.2	3	2	15:24	19.5	7.7	27.3	6.25	4.2	3.0
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	15:54	19.1	7.4	27.2	6.43	3.7	4.3
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	15:54	19.1	7.4	27.3	6.45	3.8	3.4
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	15:54						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	15:54						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	1	15:54	19.3	7.6	27.4	6.51	3.4	4.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	2	15:54	19.2	7.6	27.3	6.54	3.2	3.3
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	16:24	19.1	7.4	27.2	6.27	3.9	4.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	16:24	19.0	7.5	27.3	6.28	4.0	3.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	6.4	2	1	16:24	19.3	7.5	27.4	6.41	3.6	3.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	6.4	2	2	16:24	19.2	7.5	27.3	6.42	3.6	5.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	11.8	3	1	16:24	19.4	7.4	27.6	6.25	4.6	4.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	11.8	3	2	16:24	19.4	7.4	27.5	6.23	4.7	4.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	07:16	18.9	7.4	27.1	6.18	4.0	4.5
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	07:16	19.0	7.4	27.2	6.19	4.1	4.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	6.2	2	1	07:16	19.1	7.4	27.3	6.32	3.7	2.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	6.2	2	2	07:16	19.1	7.5	27.2	6.33	3.7	3.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	11.4	3	1	07:16	19.3	7.4	27.4	6.16	4.7	3.7
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	11.4	3	2	07:16	19.2	7.3	27.5	6.14	4.8	4.4
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	09:46	19.0	7.2	27.0	6.39	3.6	3.4
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	09:46	19.0	7.2	27.1	6.37	3.7	4.5
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	09:46						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	09:46						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.4	3	1	09:46	19.2	7.5	27.3	6.30	3.5	3.3
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.4	3	2	09:46	19.1	7.5	27.3	6.31	3.6	5.2
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	09:16	19.0	7.5	27.1	6.25	3.4	4.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	09:16	18.9	7.5	27.2	6.23	3.6	3.4
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	09:16						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	09:16						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.6	3	1	09:16	19.2	7.3	27.3	6.36	3.6	4.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.6	3	2	09:16	19.3	7.4	27.2	6.34	3.7	4.5
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	08:46	19.0	7.3	27.2	6.40	3.6	3.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	08:46	19.1	7.3	27.1	6.38	3.7	3.3
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	08:46						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	08:46						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.4	3	1	08:46	19.2	7.5	27.3	6.30	4.4	5.0
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.4	3	2	08:46	19.3	7.5	27.4	6.29	4.5	4.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	08:16	19.1	7.4	27.1	6.60	4.0	2.9
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	08:16	19.0	7.4	27.0	6.62	4.1	4.2
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.8	2	1	08:16	19.1	7.5	27.2	6.09	3.1	3.5
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.8	2	2	08:16	19.2	7.6	27.1	6.12	3.2	2.6
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.6	3	1	08:16	19.4	7.6	27.3	6.14	4.4	5.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.6	3	2	08:16	19.4	7.6	27.2	6.16	4.2	5.1
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	07:46	18.9	7.4	27.1	6.34	3.8	5.7
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	07:46	19.0	7.4	27.2	6.36	3.9	5.7
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	07:46						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	07:46						
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.6	3	1	07:46	19.2	7.6	27.4	6.42	3.5	4.2
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.6	3	2	07:46	19.1	7.6	27.3	6.45	3.3	4.8
TM-CLK Southern	HY/2012/07	2013-12-28	Mid-Ebb	Cloudy	Small Wave	CS(Mf)5	Surface	1.0									

Appendix J Water Quality Monitoring Results

Project	Works	Date (yyyy-mm-dd)	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	1	15:38	19.2	7.5	27.1	6.55	7.9	6.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Surface	1.0	1	2	15:38	19.1	7.5	27.2	6.57	7.9	7.1
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.2	2	1	15:38	19.4	7.5	27.3	6.53	6.6	5.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Middle	5.2	2	2	15:38	19.3	7.5	27.2	6.51	6.6	5.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	9.4	3	1	15:38	19.4	7.6	27.4	6.75	6.6	6.7
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)5	Bottom	9.4	3	2	15:38	19.5	7.6	27.4	6.77	6.5	6.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	16:18	19.1	7.4	27.1	6.60	5.0	6.1
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	16:18	19.1	7.4	27.2	6.58	5.1	5.3
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	1	16:18						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4a	Middle		2	2	16:18						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	4.2	3	1	16:18	19.2	7.6	27.3	6.51	5.0	10.8
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4a	Bottom	4.2	3	2	16:18	19.1	7.7	27.4	6.52	5.0	11.7
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	1	16:48	19.0	7.7	27.1	6.46	6.5	7.1
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4	Surface	1.0	1	2	16:48	18.9	7.7	27.2	6.44	6.6	5.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	1	16:48						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4	Middle		2	2	16:48						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	4.0	3	1	16:48	19.1	7.5	27.3	6.57	8.9	12.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	SR4	Bottom	4.0	3	2	16:48	19.2	7.6	27.2	6.55	8.0	12.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	1	17:18	19.1	7.5	27.2	6.61	7.3	6.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS8	Surface	1.0	1	2	17:18	19.1	7.5	27.1	6.59	7.4	7.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	1	17:18						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS8	Middle		2	2	17:18						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	1	17:18	19.3	7.6	27.3	6.51	12.1	12.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS8	Bottom	4.8	3	2	17:18	19.2	7.6	27.4	6.50	12.5	12.3
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	17:48	19.1	7.5	27.1	6.81	7.2	6.3
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	17:48	19.0	7.6	27.0	6.83	7.2	6.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.1	2	1	17:48	19.1	7.7	27.3	6.30	7.6	5.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Middle	4.1	2	2	17:48	19.2	7.7	27.2	6.33	7.6	7.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	7.2	3	1	17:48	19.3	7.8	27.3	6.35	9.6	7.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)16	Bottom	7.2	3	2	17:48	19.4	7.8	27.4	6.37	9.4	7.8
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	18:48	19.0	7.5	27.1	6.55	6.7	5.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	18:48	18.9	7.5	27.1	6.57	6.7	5.8
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	18:48						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	18:48						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	1	18:48	19.2	7.7	27.2	6.63	9.9	9.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	IS(Mf)9	Bottom	4.2	3	2	18:48	19.1	7.7	27.1	6.66	9.9	9.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	18:18	19.0	7.5	27.1	6.39	7.3	6.3
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	18:18	19.0	7.6	27.0	6.40	7.2	6.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	6.3	2	1	18:18	19.1	7.6	27.2	6.53	8.4	5.5
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Middle	6.3	2	2	18:18	19.0	7.6	27.2	6.54	8.4	5.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	11.6	3	1	18:18	19.2	7.5	27.3	6.37	9.1	5.7
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Flood	Cloudy	Small Wave	CS(Mf)3	Bottom	11.6	3	2	18:18	19.3	7.5	27.4	6.35	9.2	5.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	1	10:30	18.9	7.5	27.1	6.33	7.4	6.0
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Surface	1.0	1	2	10:30	18.8	7.5	27.0	6.34	7.3	6.0
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	6.1	2	1	10:30	19.0	7.5	27.3	6.47	8.4	5.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Middle	6.1	2	2	10:30	18.9	7.5	27.2	6.48	8.5	5.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	11.2	3	1	10:30	19.0	7.5	27.4	6.31	9.2	6.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	CS(Mf)3	Bottom	11.2	3	2	10:30	19.1	7.4	27.5	6.29	9.3	5.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	1	13:00	18.9	7.3	27.1	6.54	5.1	4.5
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4a	Surface	1.0	1	2	13:00	19.0	7.3	27.2	6.52	5.2	3.0
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	1	13:00						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4a	Middle		2	2	13:00						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.6	3	1	13:00	19.2	7.6	27.2	6.45	5.1	3.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4a	Bottom	3.6	3	2	13:00	19.3	7.6	27.3	6.46	5.1	5.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	1	12:30	18.9	7.6	27.0	6.40	6.6	4.7
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4	Surface	1.0	1	2	12:30	18.8	7.6	27.1	6.38	6.7	4.9
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	1	12:30						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4	Middle		2	2	12:30						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.4	3	1	12:30	19.0	7.4	27.2	6.51	9.0	5.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	SR4	Bottom	3.4	3	2	12:30	19.1	7.5	27.1	6.49	8.1	6.3
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	1	12:00	18.9	7.4	27.1	6.55	7.4	5.7
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS8	Surface	1.0	1	2	12:00	19.0	7.4	27.0	6.53	7.5	6.1
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	1	12:00						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS8	Middle		2	2	12:00						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.6	3	1	12:00	19.2	7.6	27.2	6.45	13.4	11.1
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS8	Bottom	4.6	3	2	12:00	19.1	7.6	27.3	6.44	12.8	11.8
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	1	11:30	19.0	7.5	27.0	6.75	7.3	5.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Surface	1.0	1	2	11:30	18.9	7.5	27.0	6.77	7.3	5.5
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.9	2	1	11:30	19.0	7.6	27.1	6.24	7.7	4.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Middle	3.9	2	2	11:30	19.1	7.6	27.2	6.27	7.7	5.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.8	3	1	11:30	19.2	7.7	27.3	6.29	9.7	6.7
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)16	Bottom	6.8	3	2	11:30	19.3	7.7	27.2	6.31	9.5	7.2
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	1	11:00	18.9	7.5	27.2	6.49	6.8	6.3
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Surface	1.0	1	2	11:00	18.8	7.5	27.1	6.51	6.8	5.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	1	11:00						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Middle		2	2	11:00						
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	1	11:00	19.1	7.7	27.2	6.57	10.8	9.4
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave	IS(Mf)9	Bottom	3.8	3	2	11:00	19.1	7.7	27.3	6.60	10.0	8.6
TM-CLK Southern	HY/2012/07	2013-12-31	Mid-Ebb	Cloudy	Small Wave												

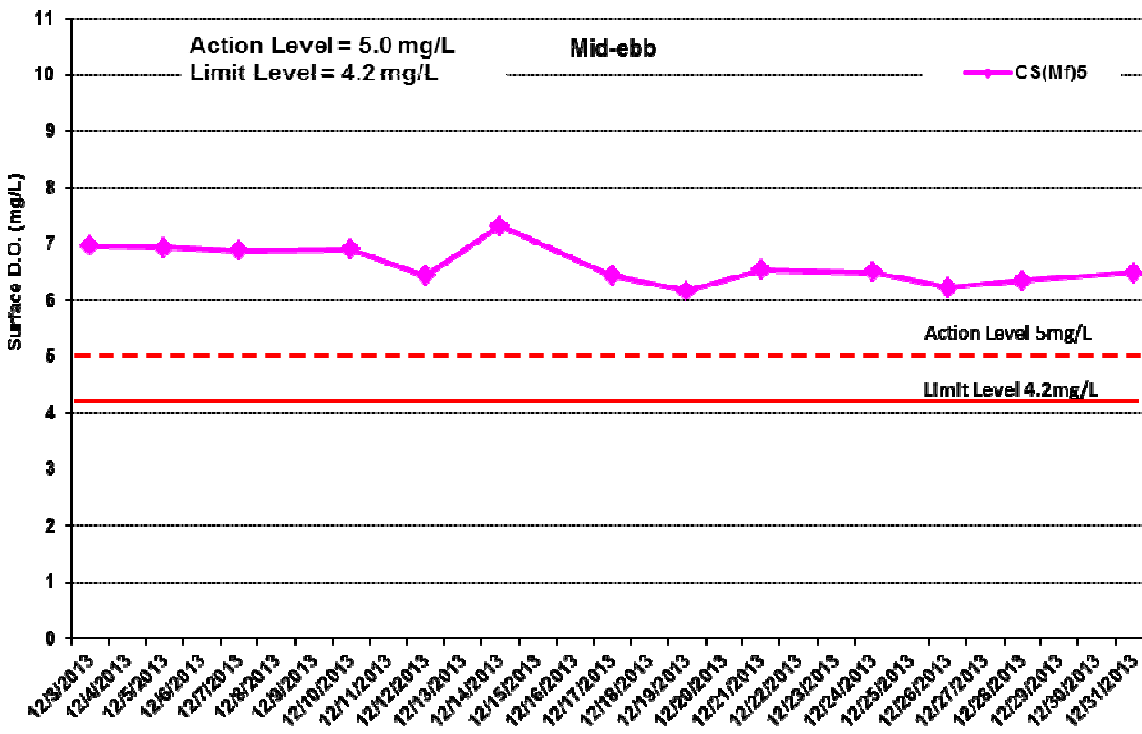
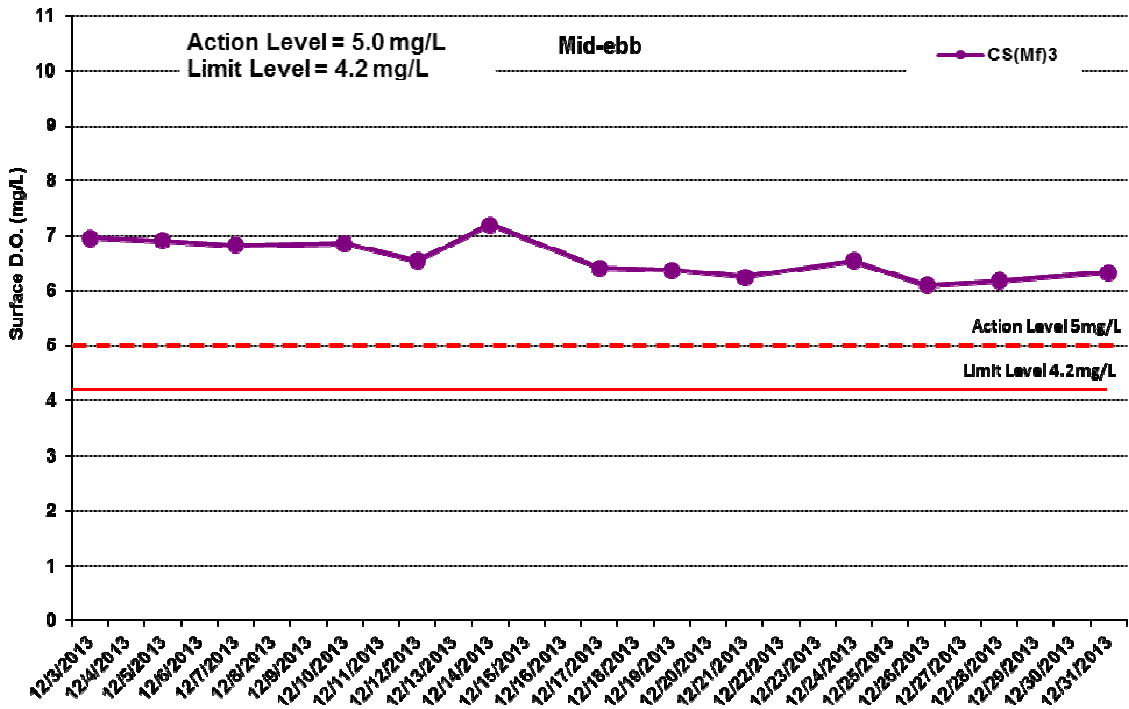


Figure J1 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.

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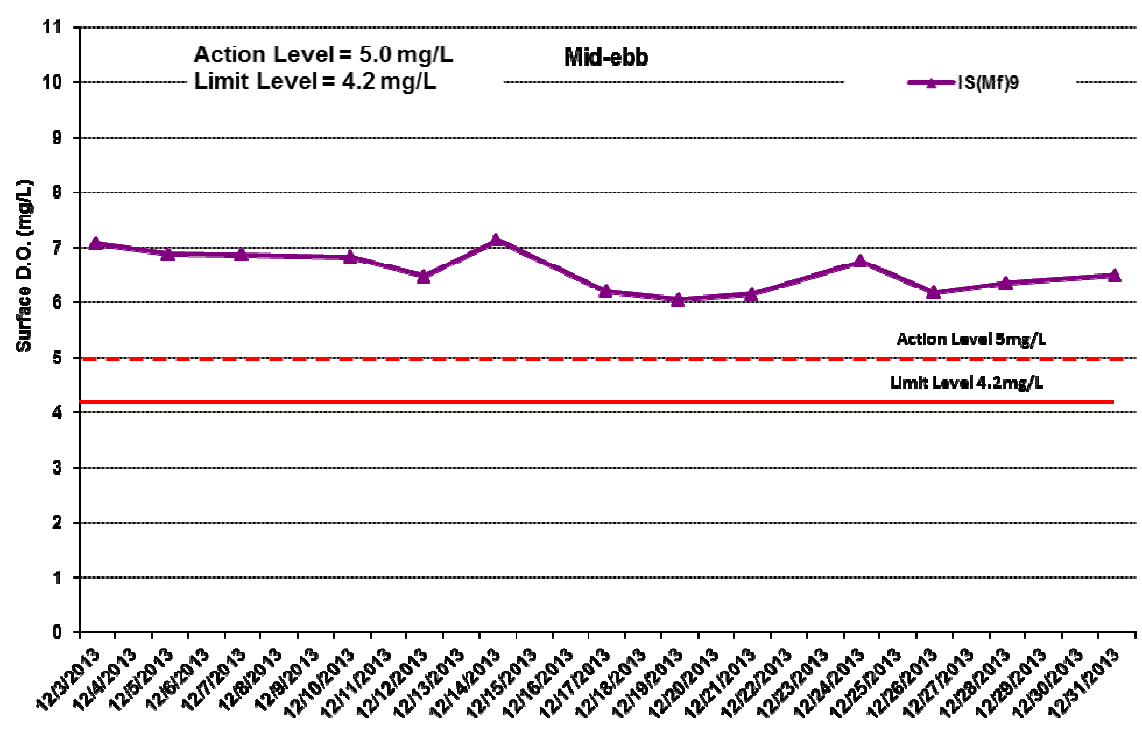
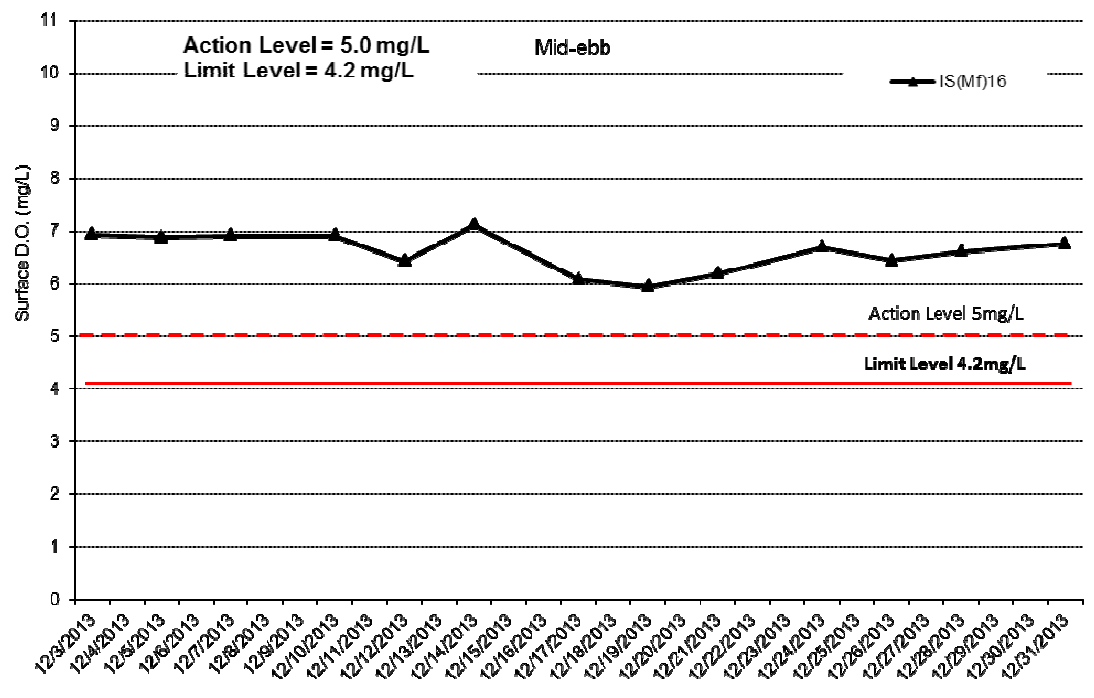


Figure J2 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.

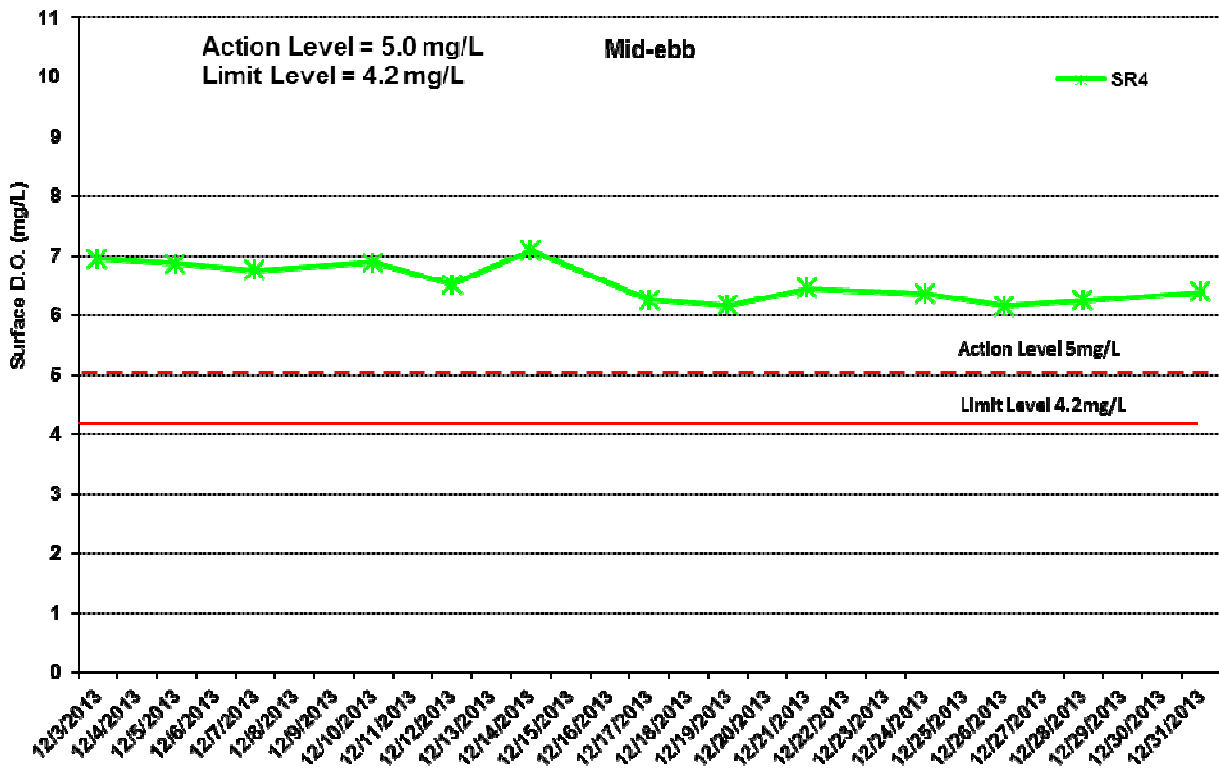
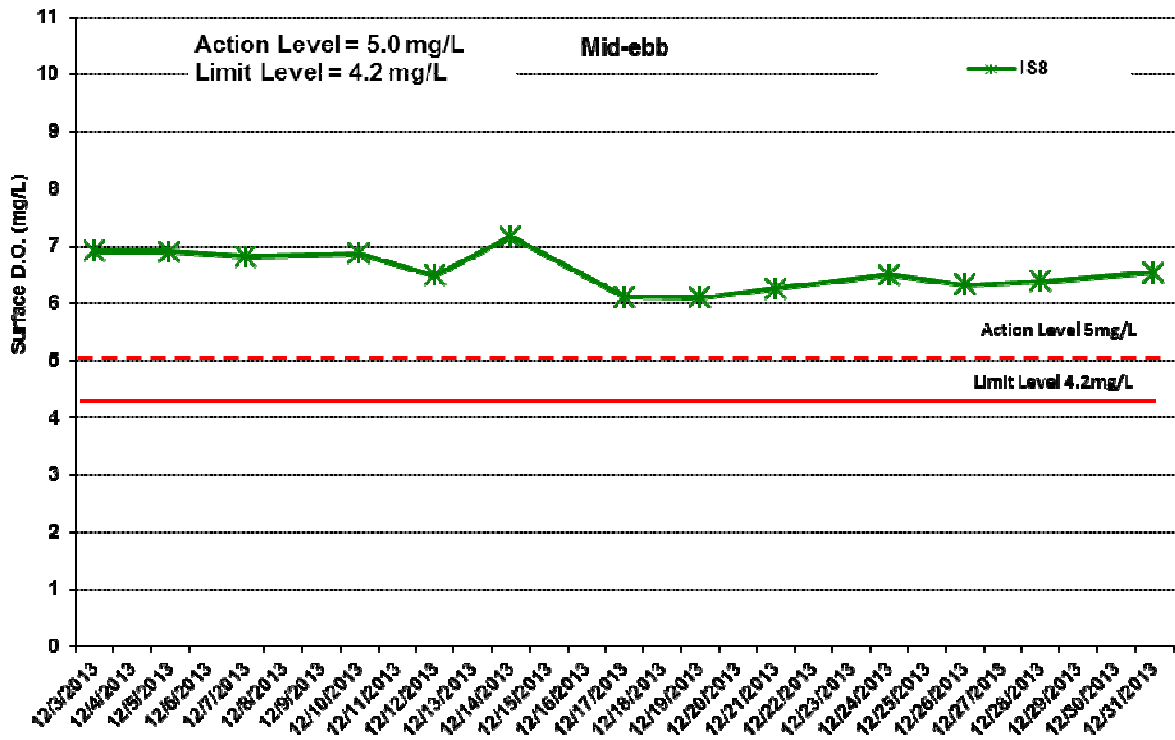


Figure J3 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 to 31 December 2013 at IS8 and SR4.

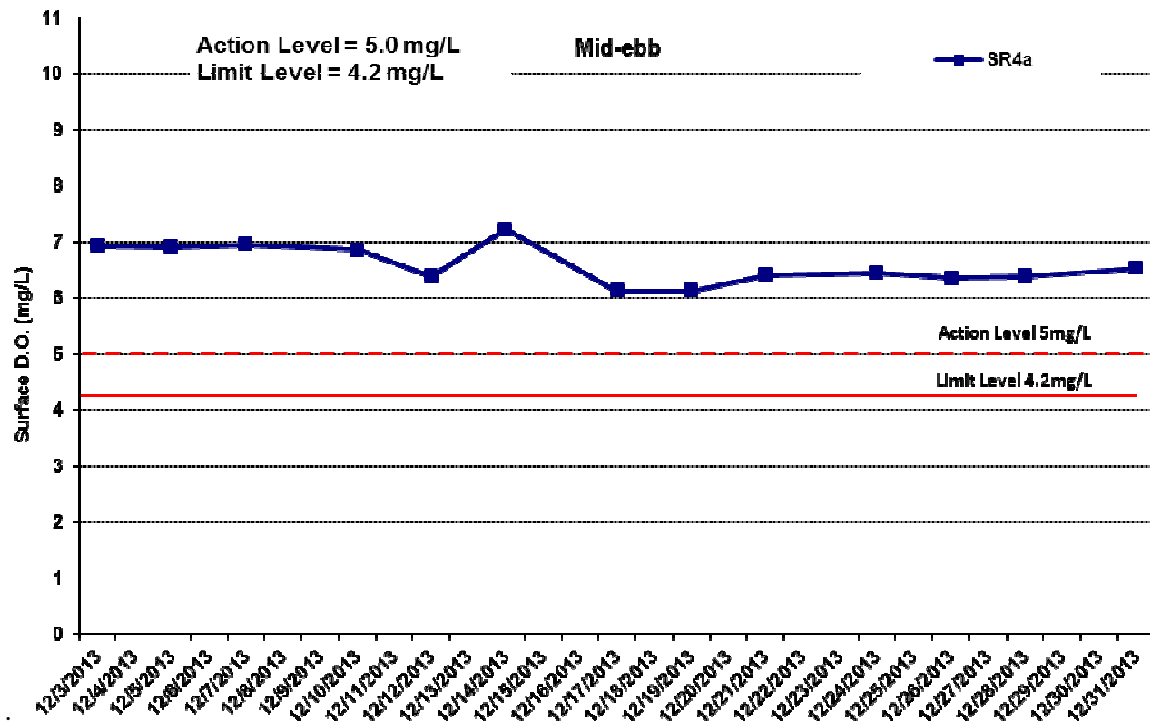


Figure J4 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 to 31 December 2013 at SR4a.

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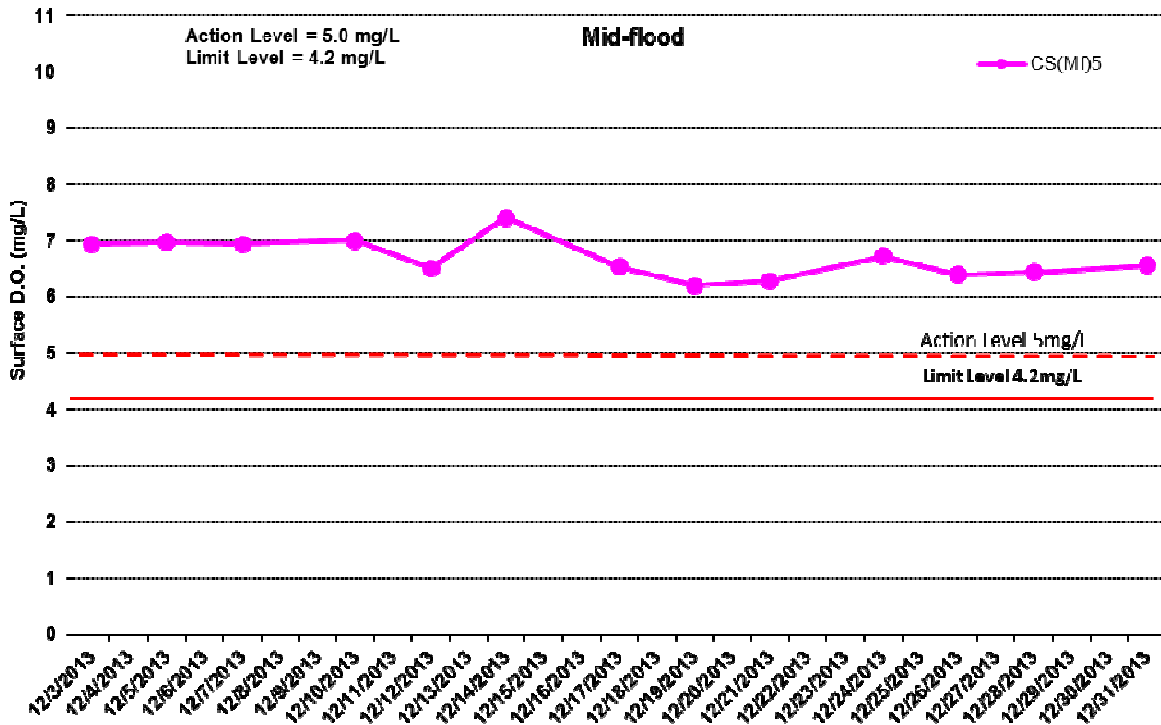
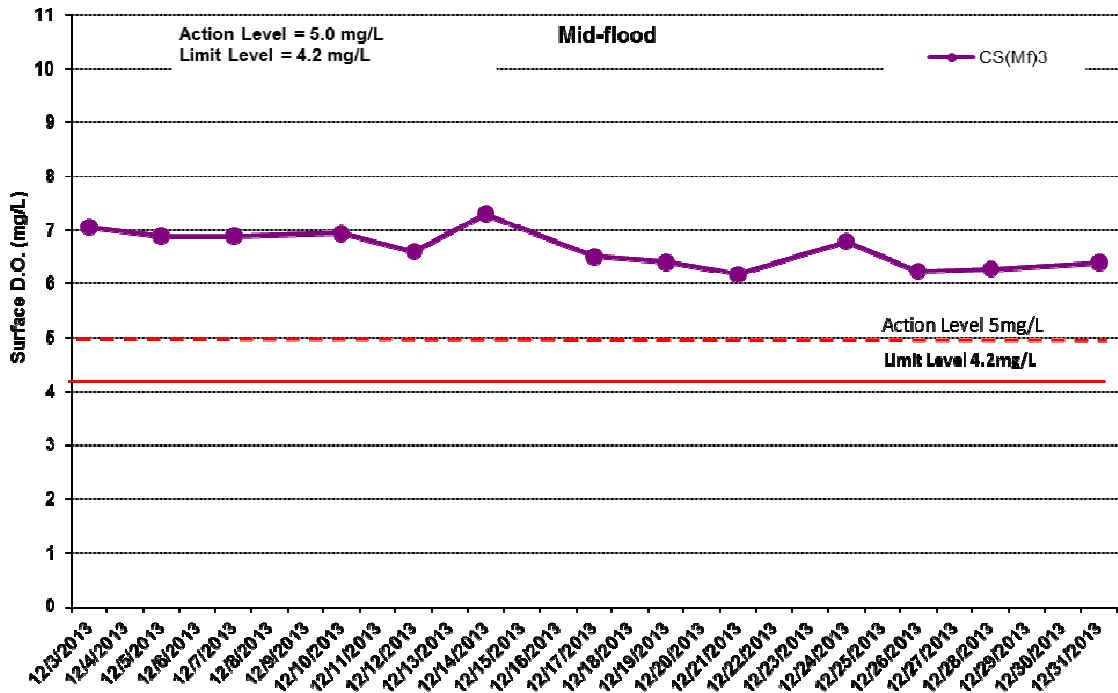


Figure J5 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.

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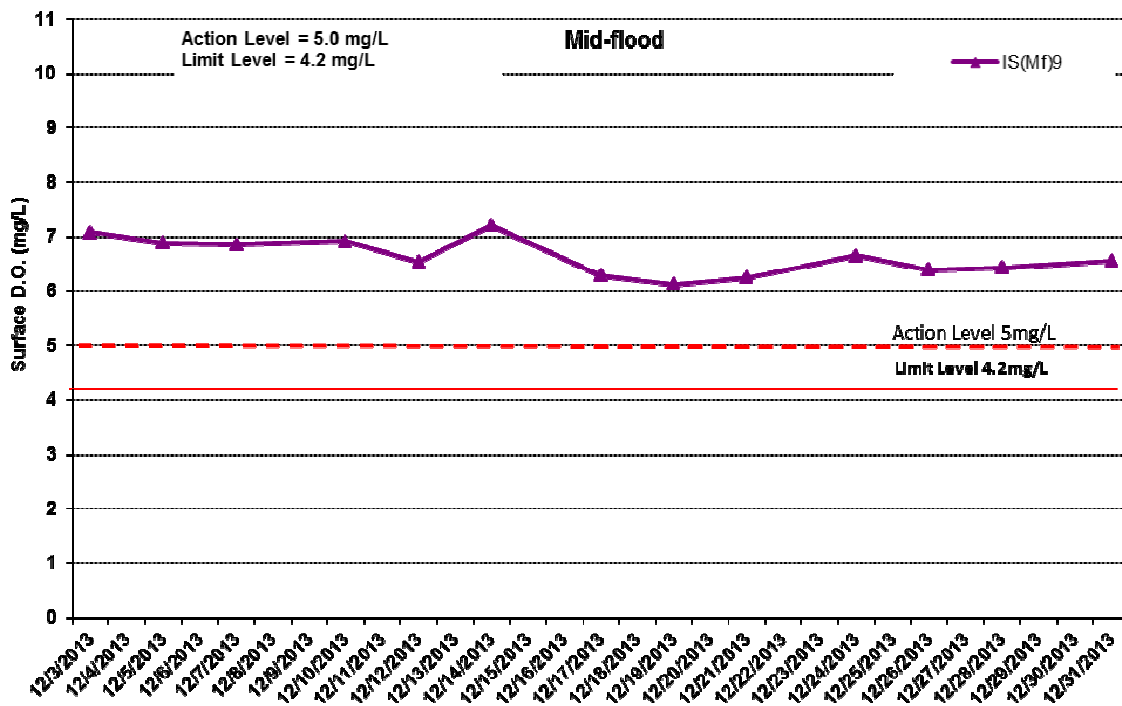
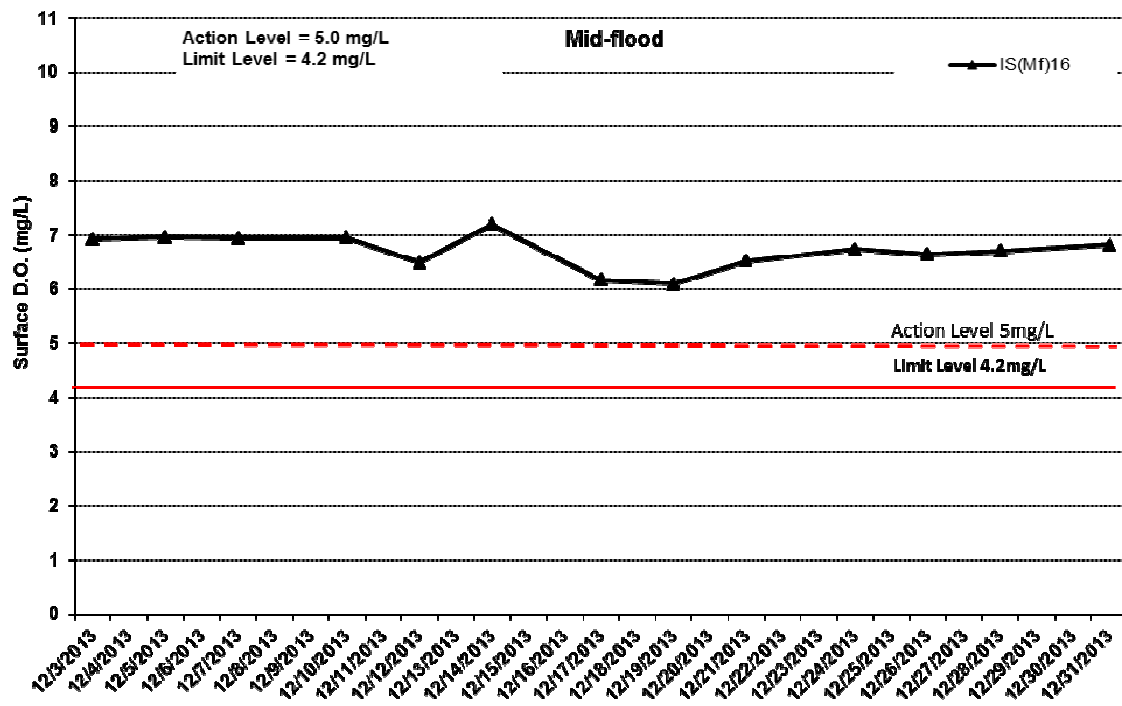


Figure J6 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.

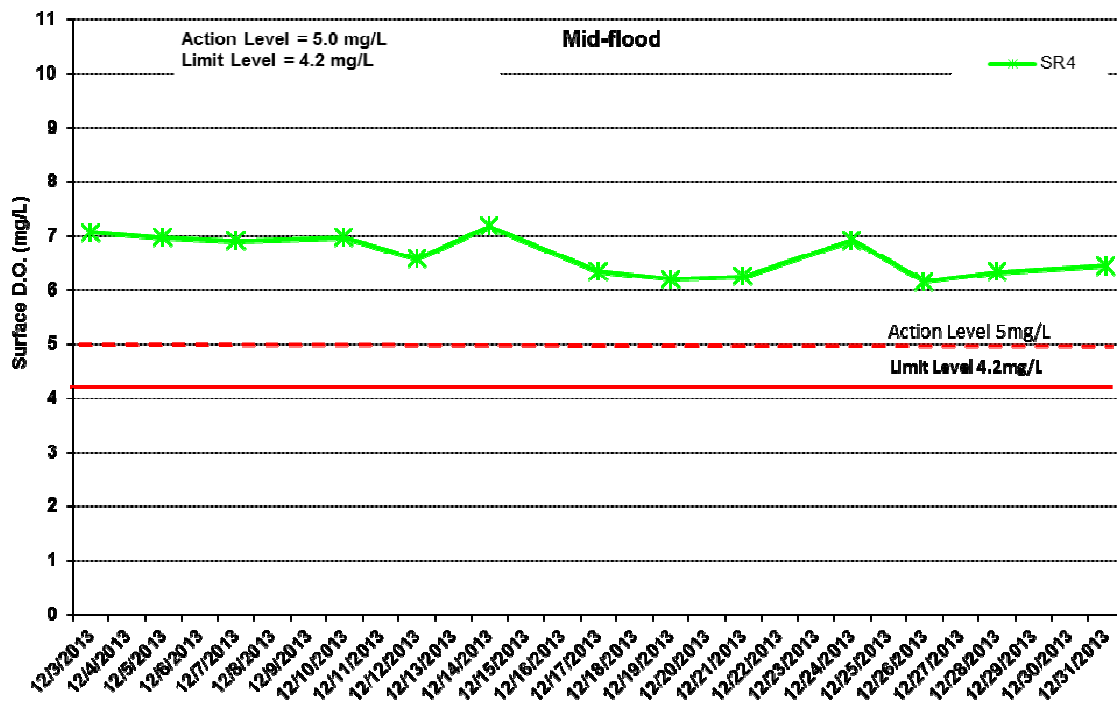
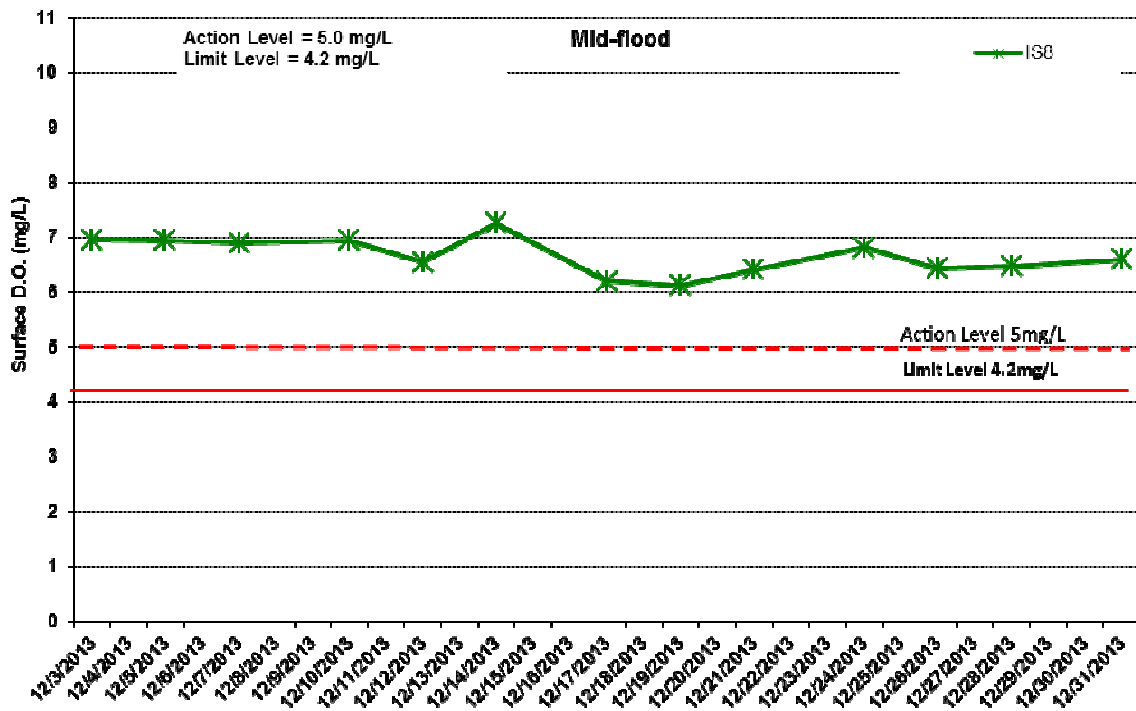


Figure J7 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 to 31 December 2013 at IS8 and SR4.

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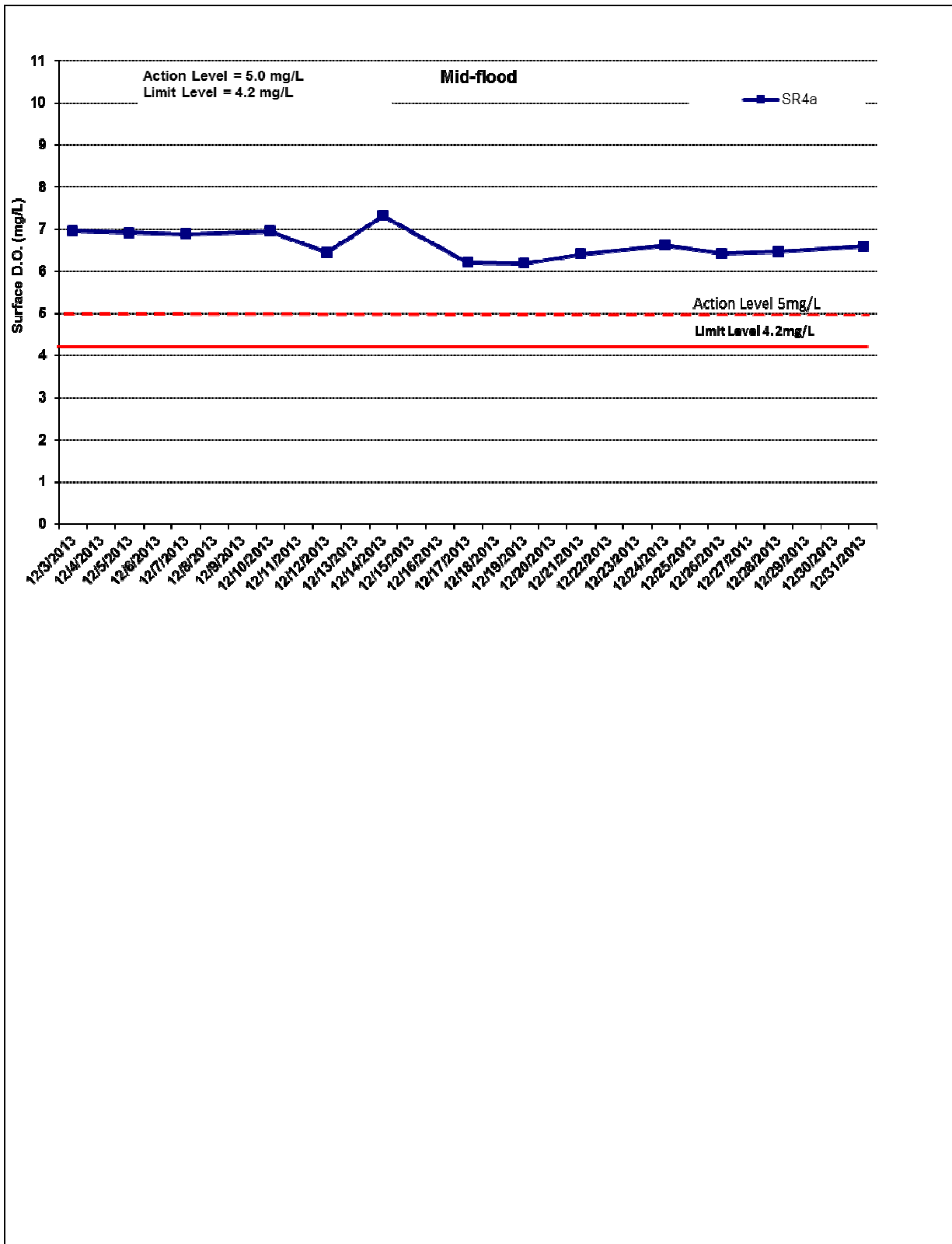


Figure J8 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 to 31 December 2013 at SR4a.

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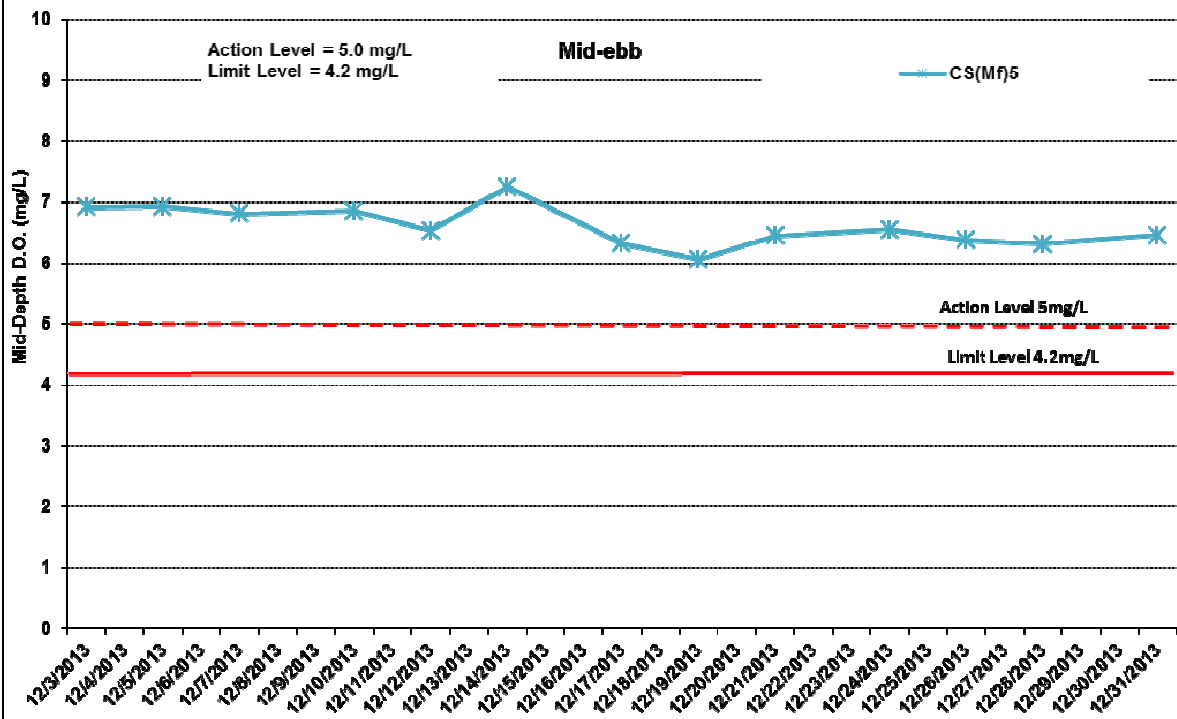
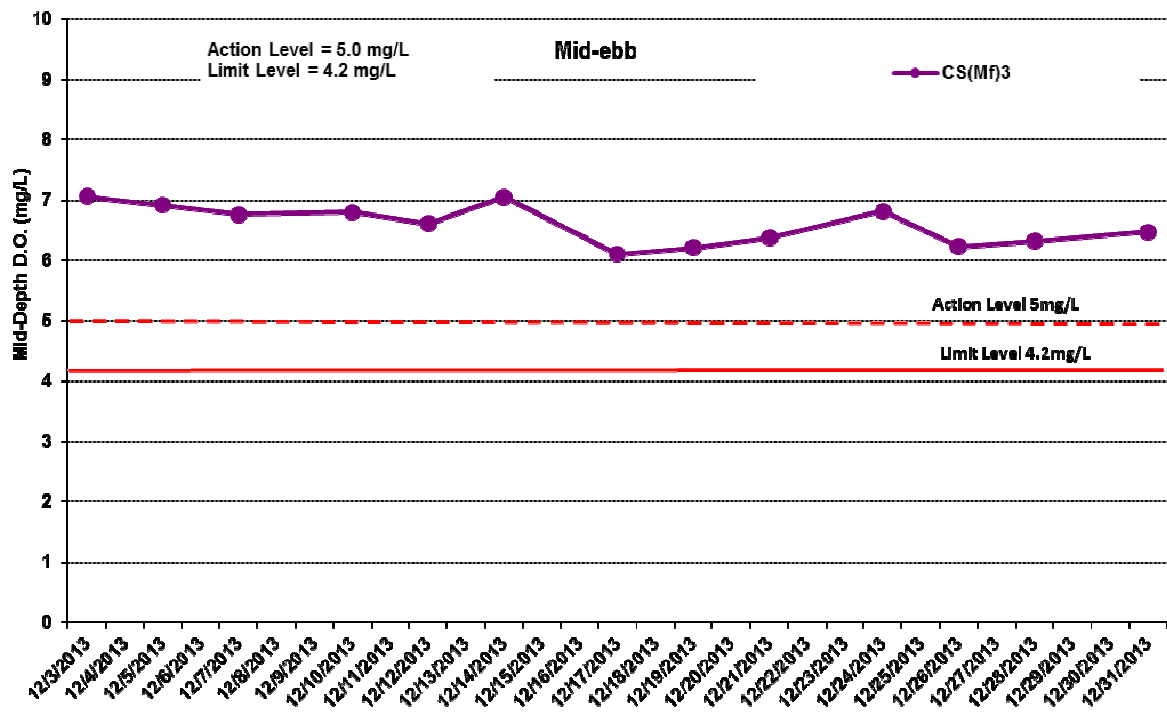


Figure J9 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-ebb tide between 1 to 31 December 2013 at CS(Mf)3 and IS(Mf)5.



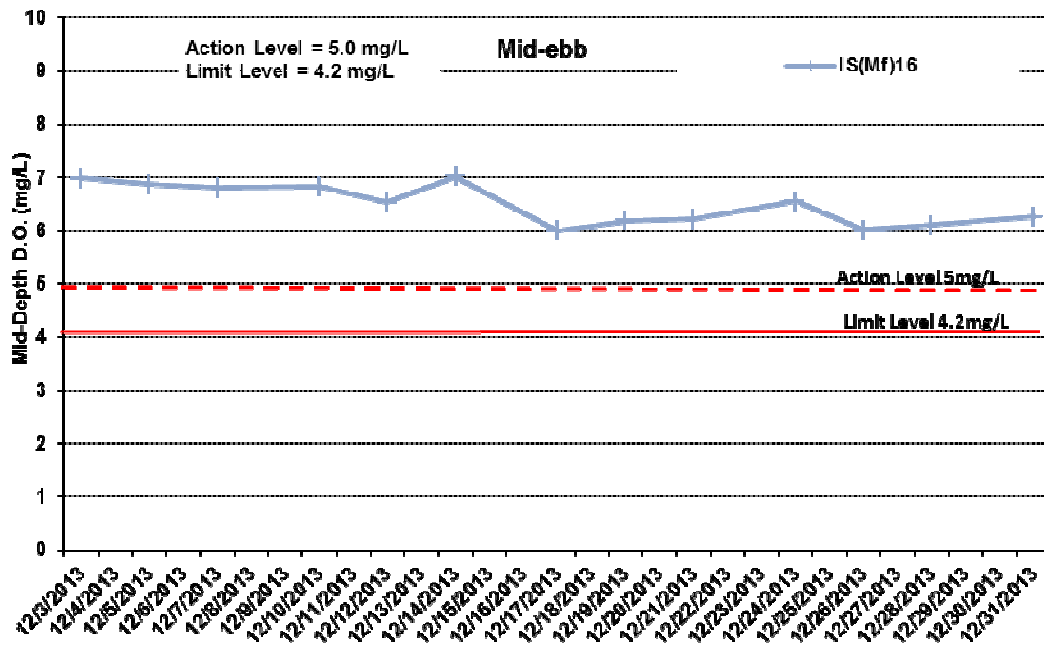


Figure J10 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-ebb tide between 1 to 31 December 2013 at IS(Mf)16.

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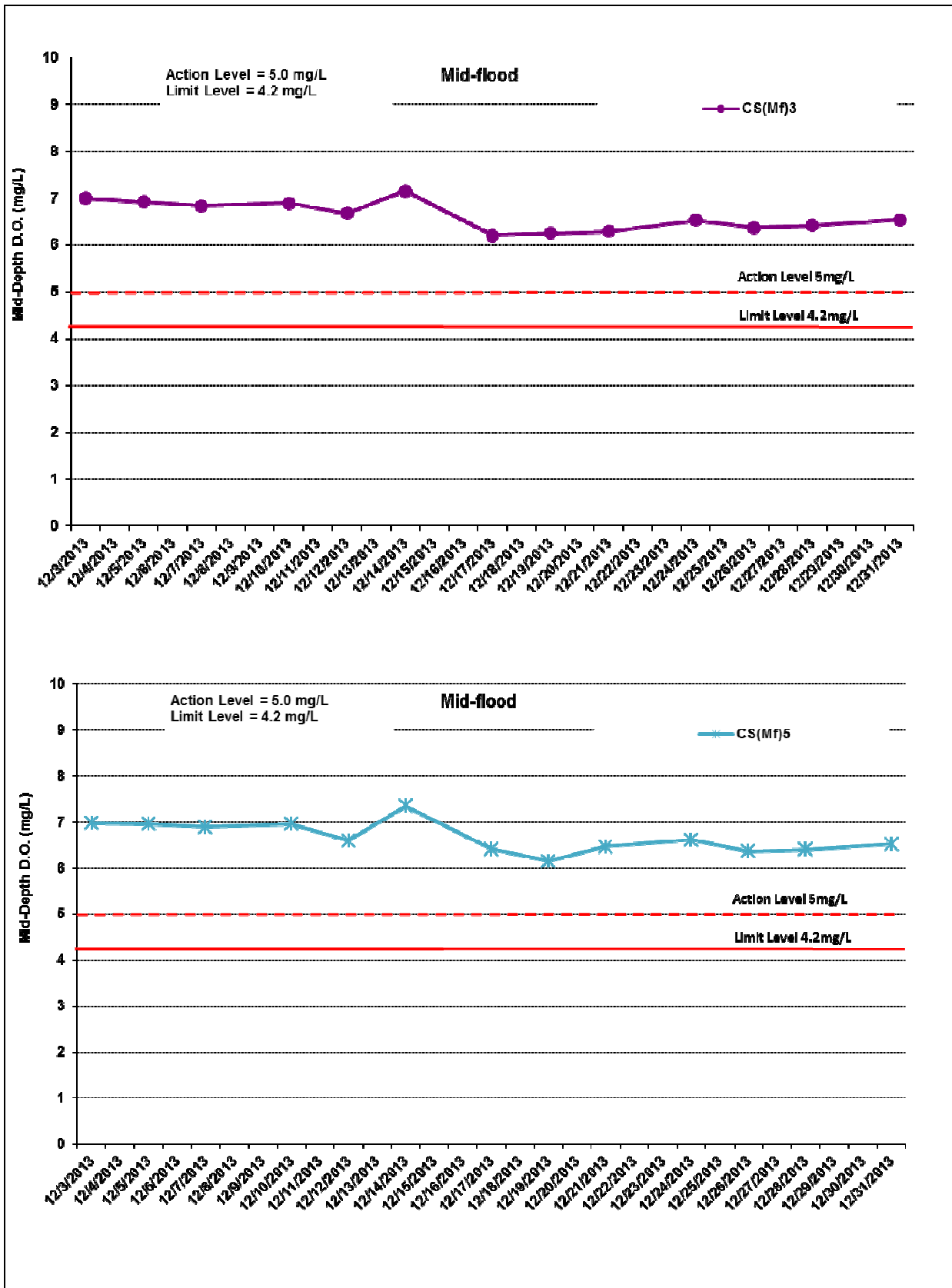


Figure J11 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-flood tide between 1 to 31 December 2013 at CS(Mf)3 and IS(Mf)5.



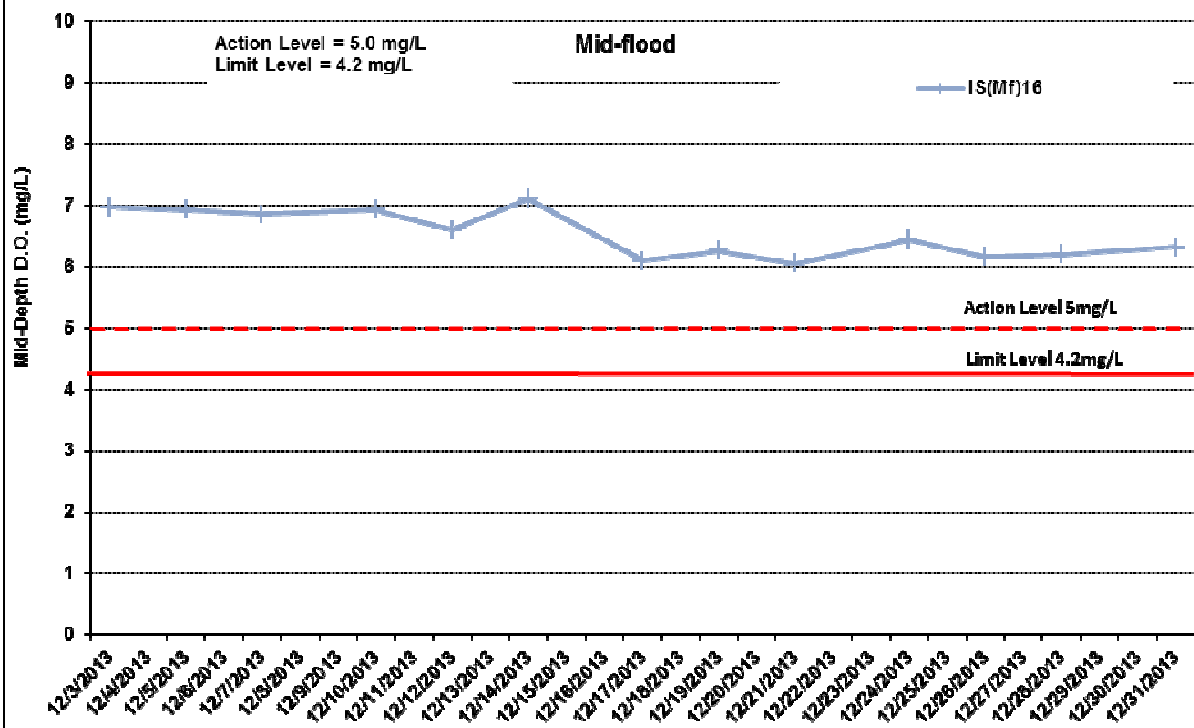


Figure J12 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-flood tide between 1 to 31 December 2013 at IS(Mf)16.

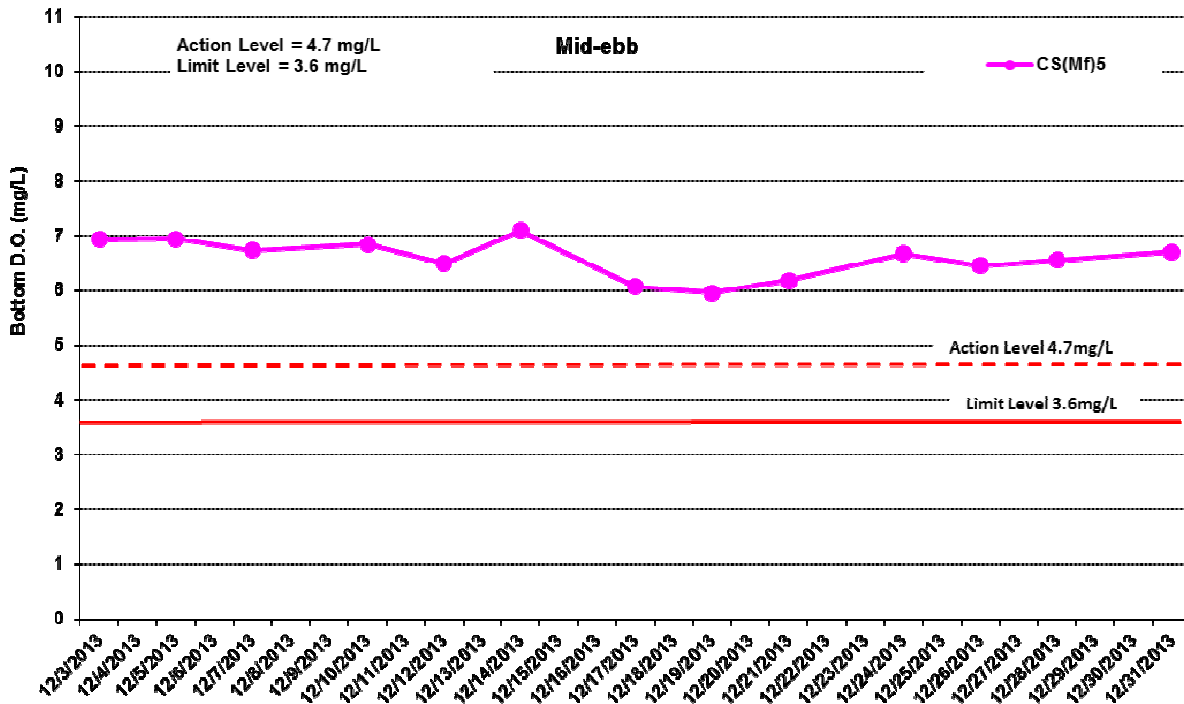
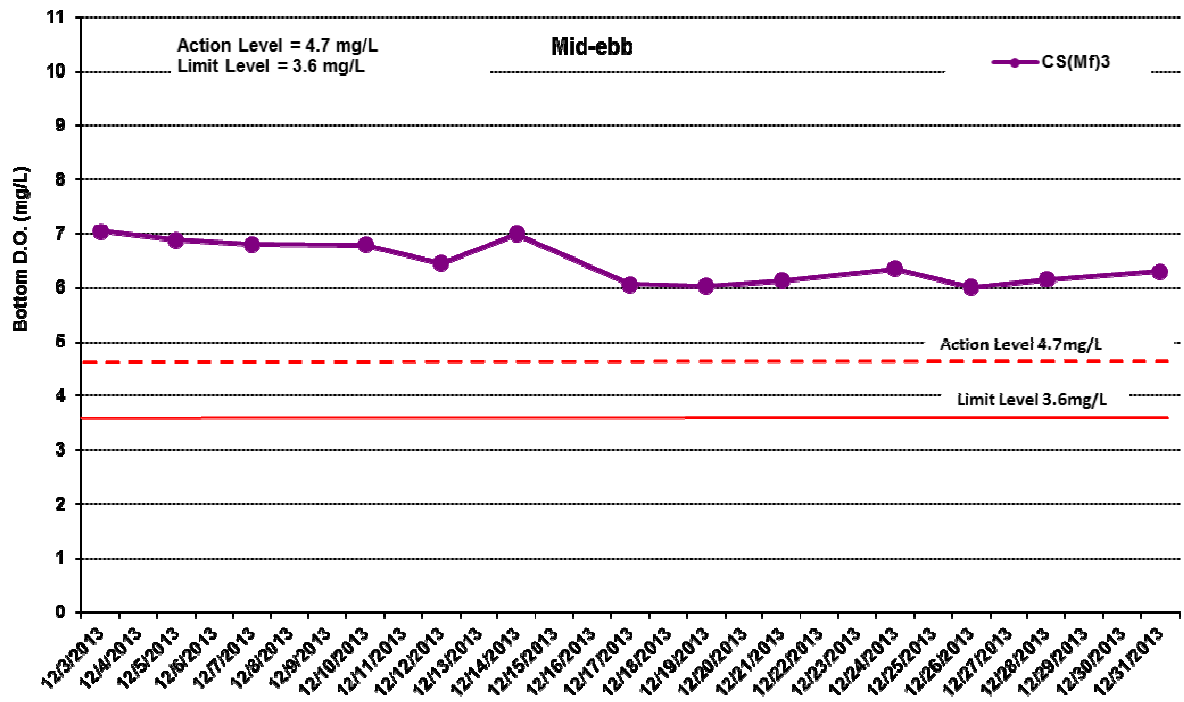


Figure J13 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.



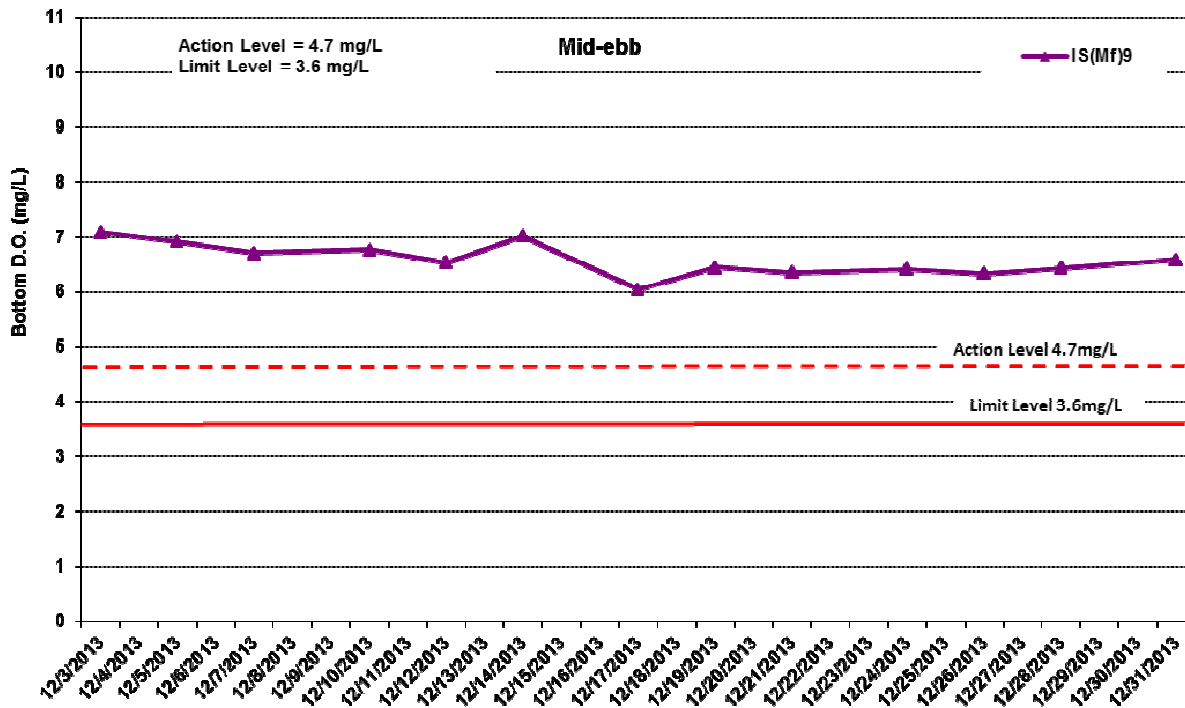
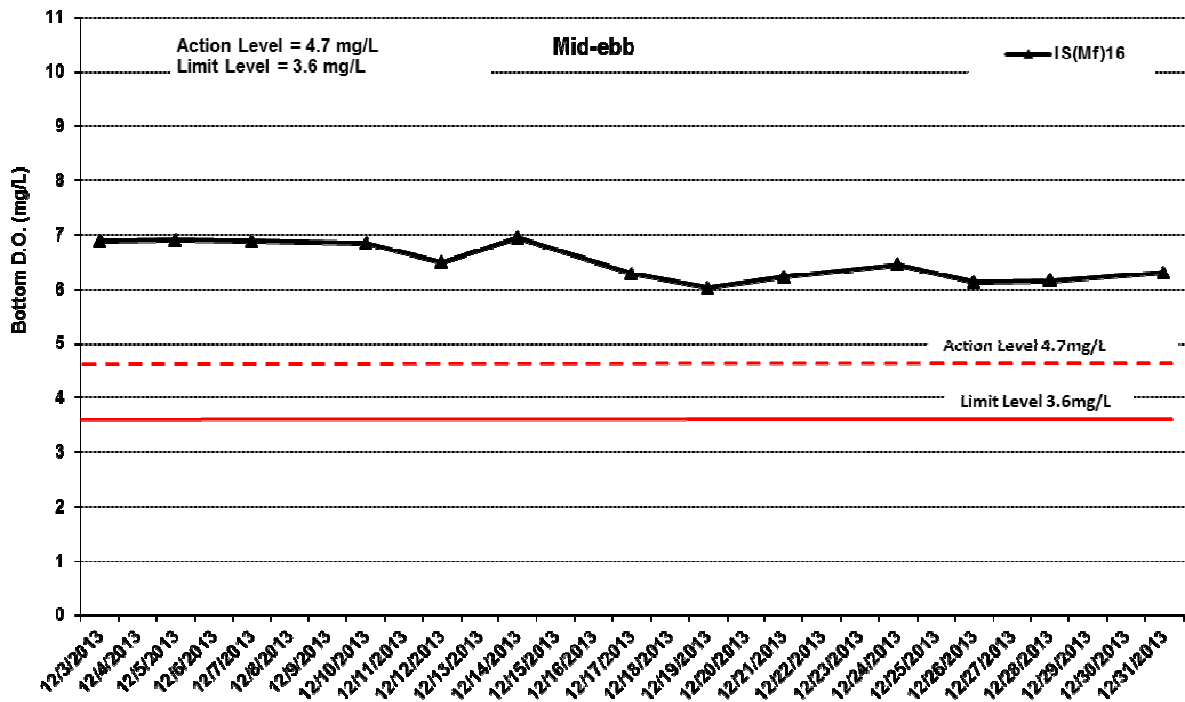


Figure J14 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.



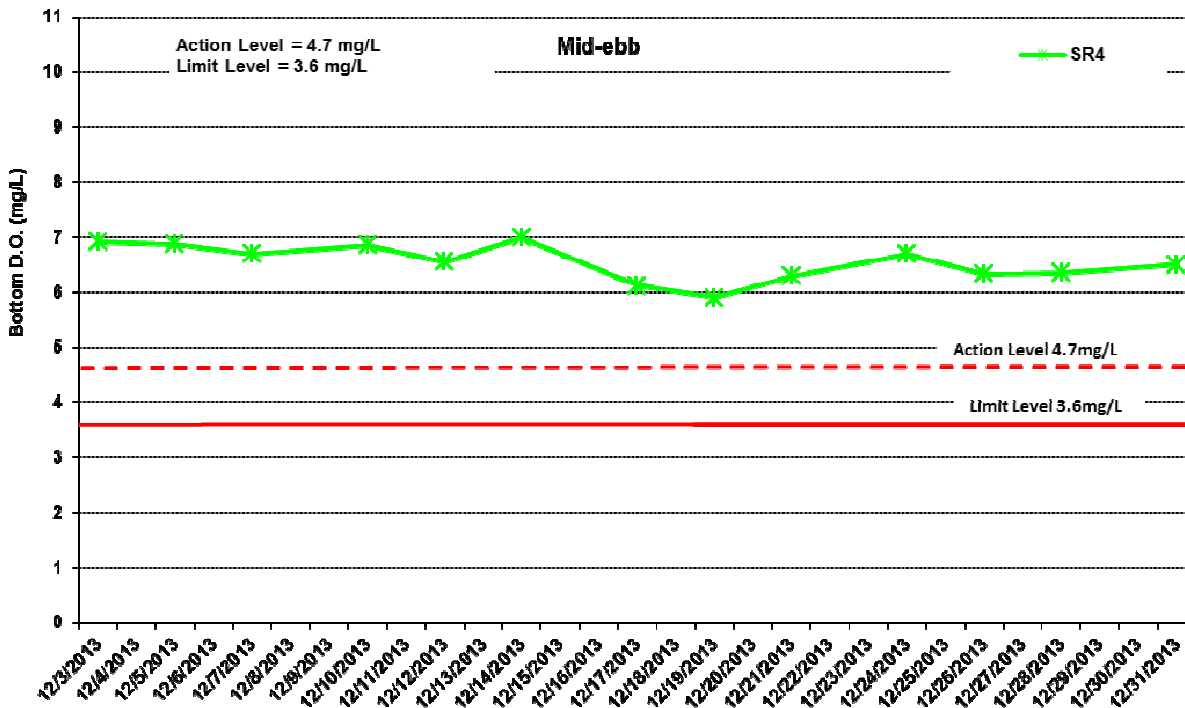
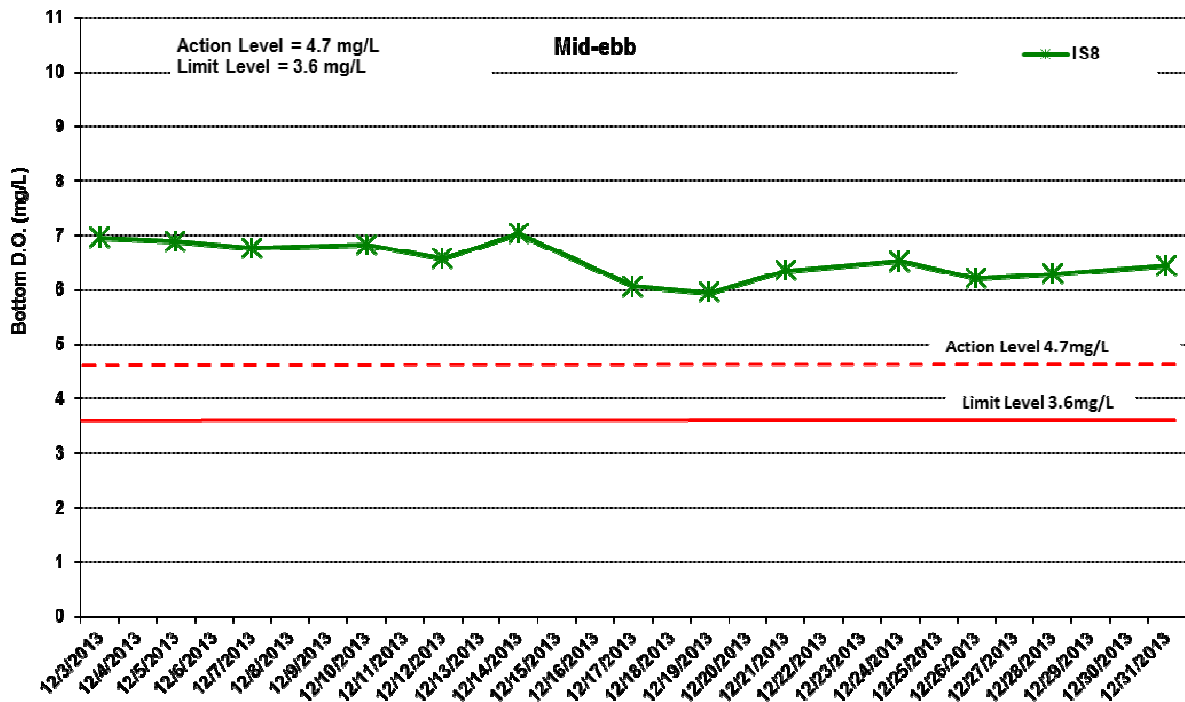


Figure J15 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 to December 2013 at IS8 and SR4.

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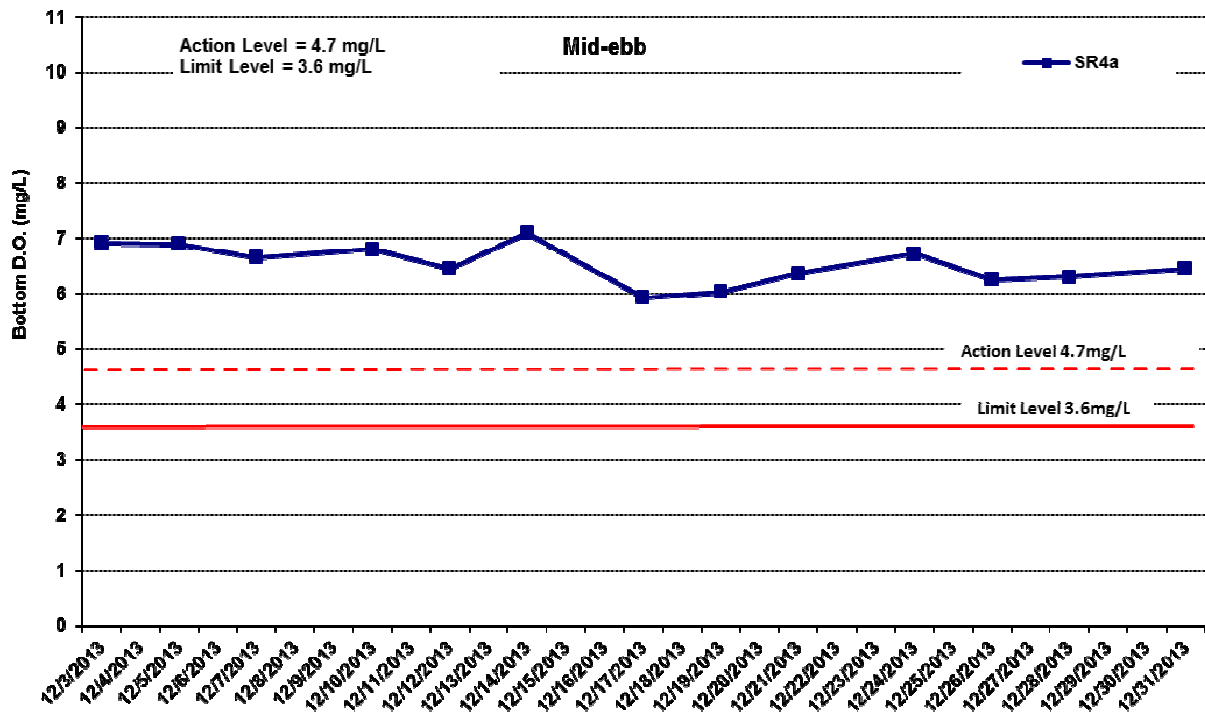


Figure J16 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 to 31 December 2013 at SR4a.

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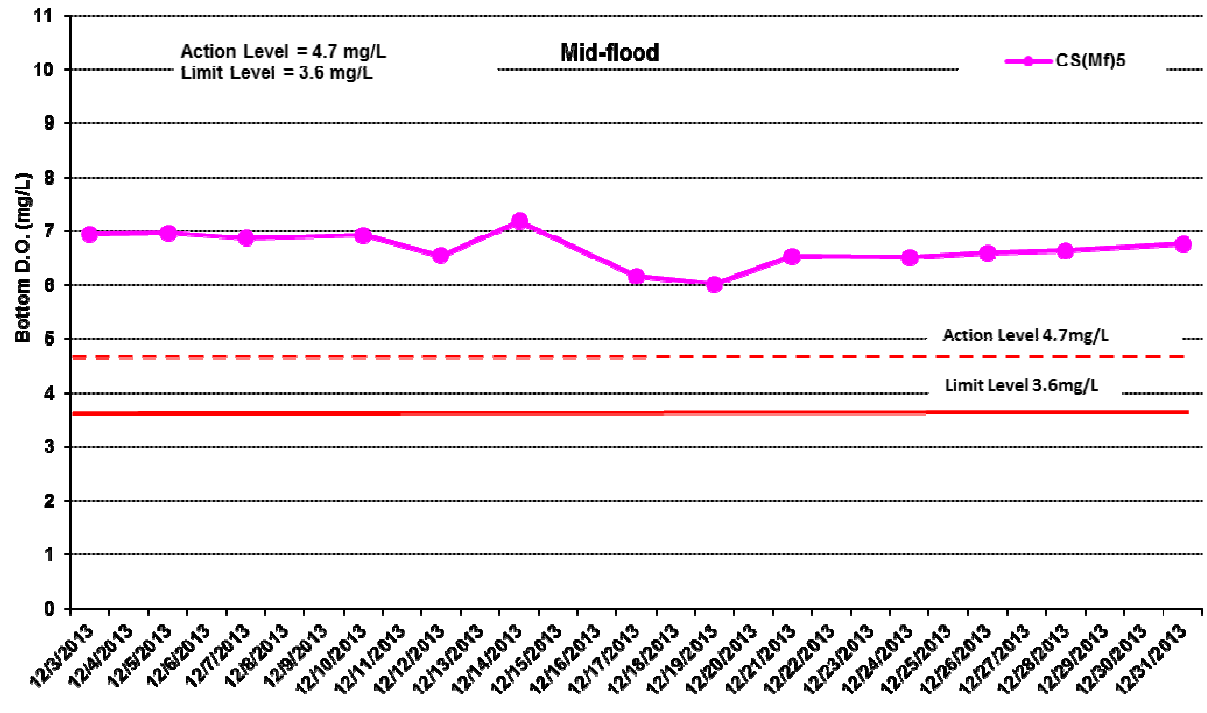
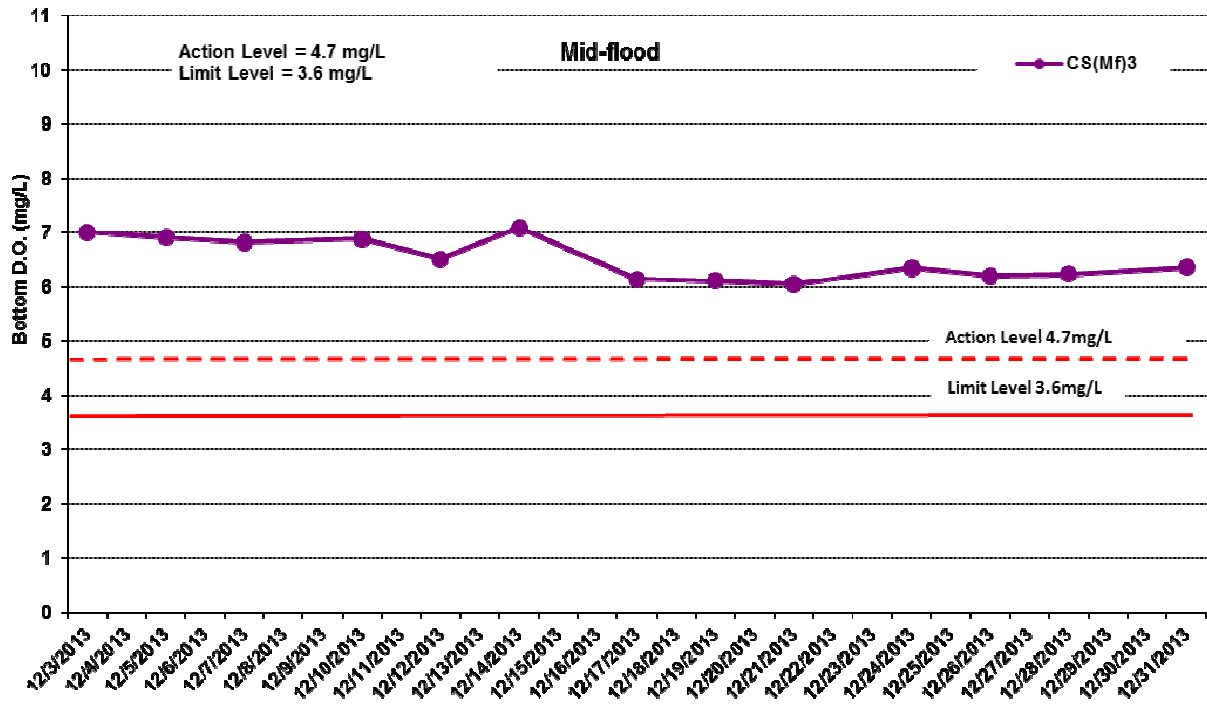


Figure J17 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.



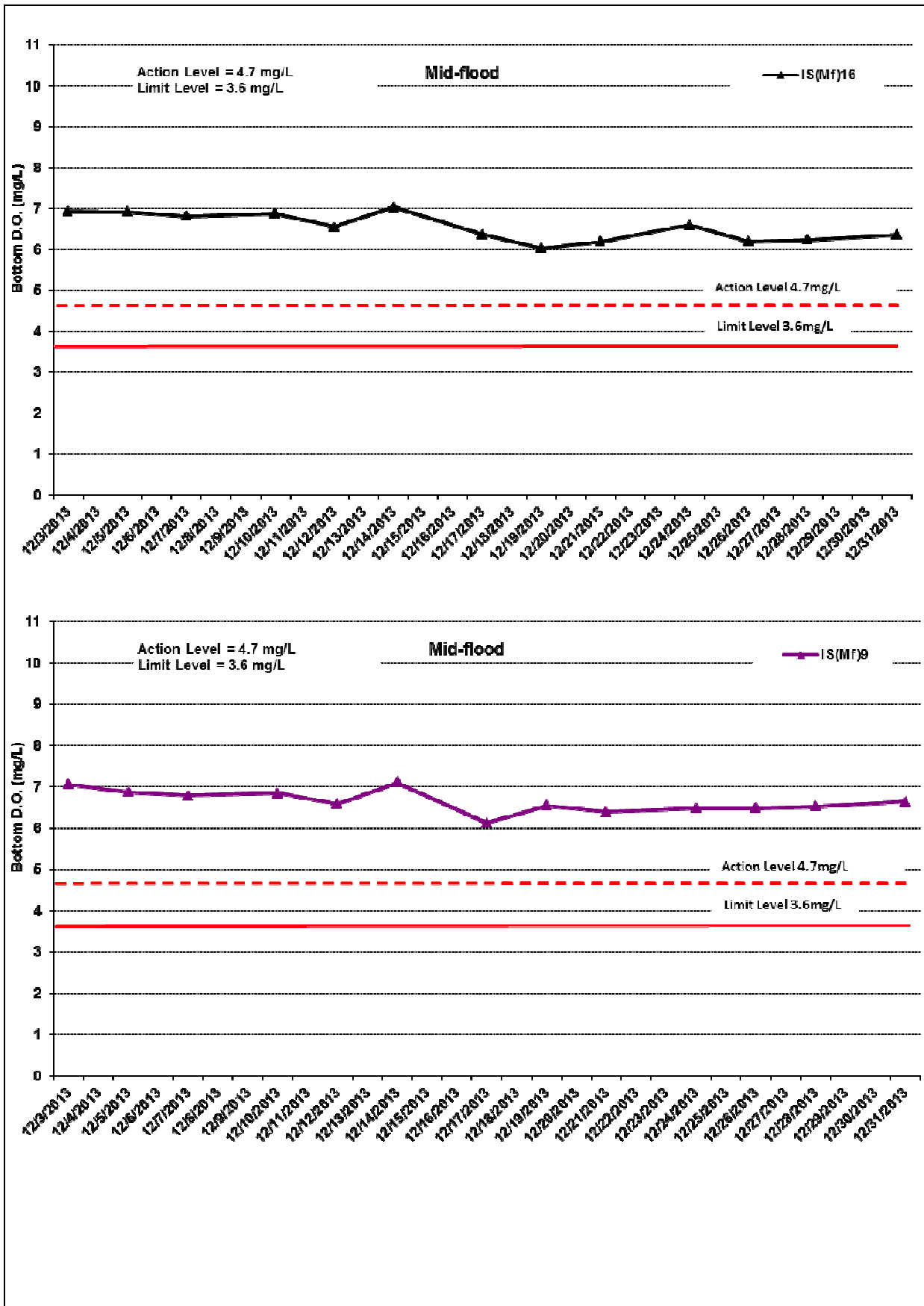


Figure J18 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.

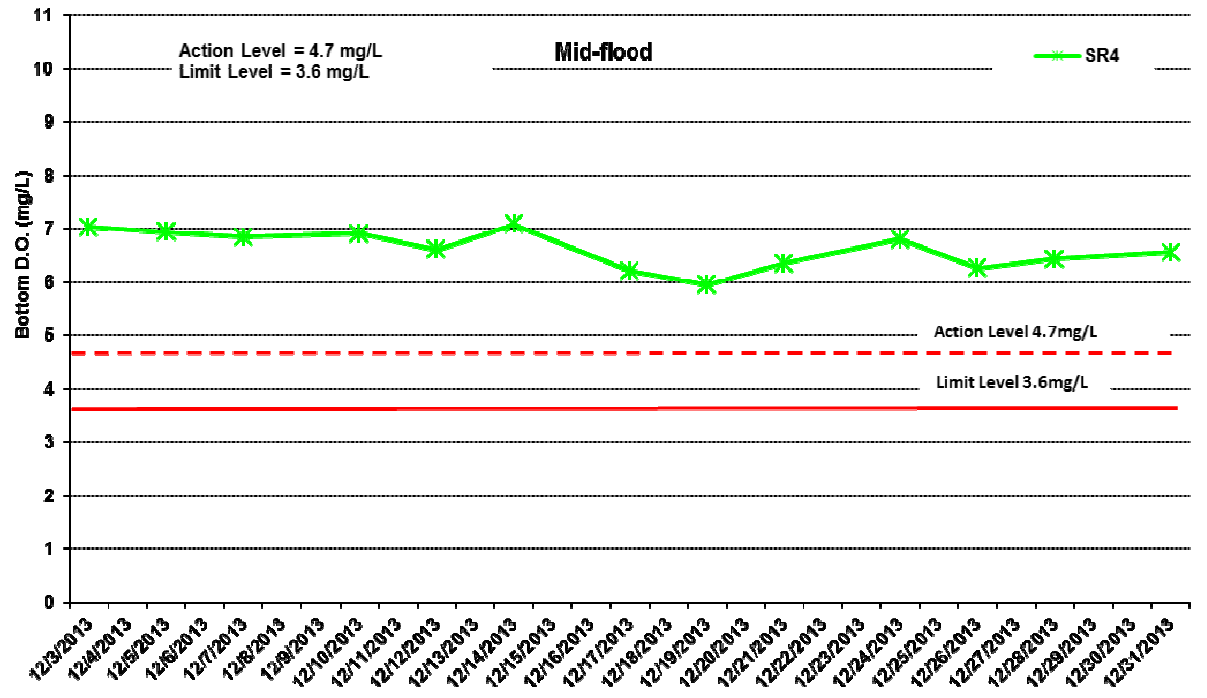
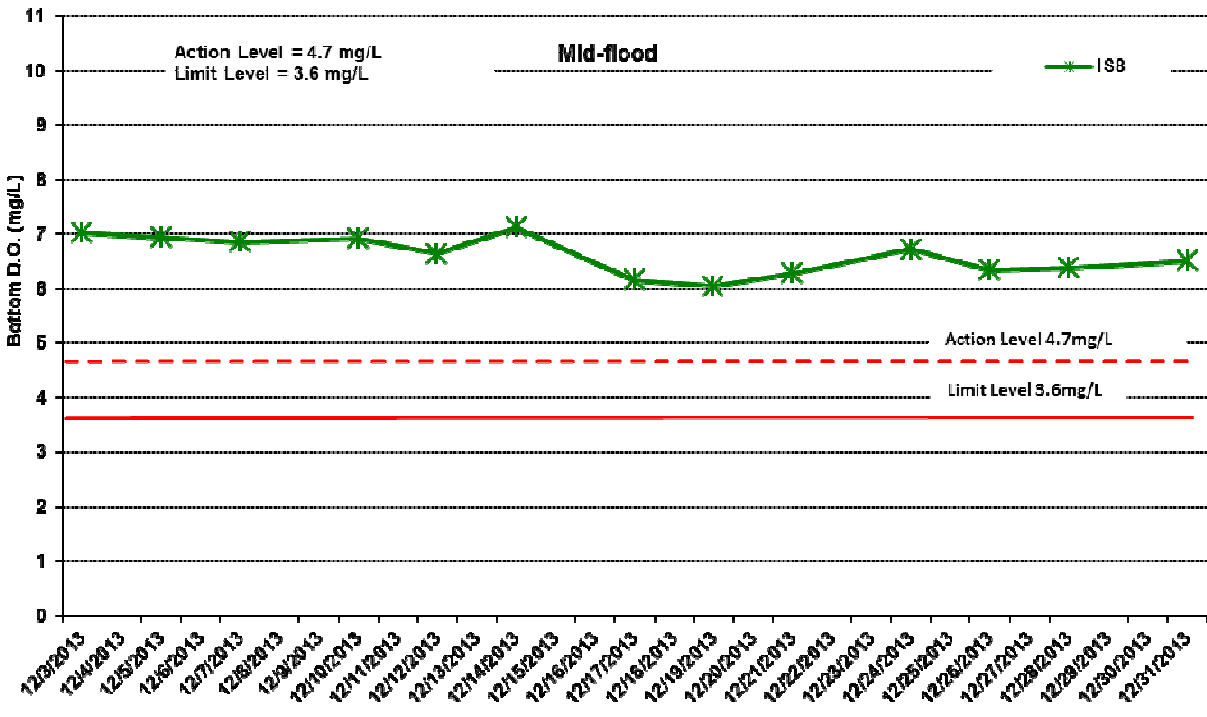


Figure J19 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 to 31 December 2013 at IS8 and SR4.



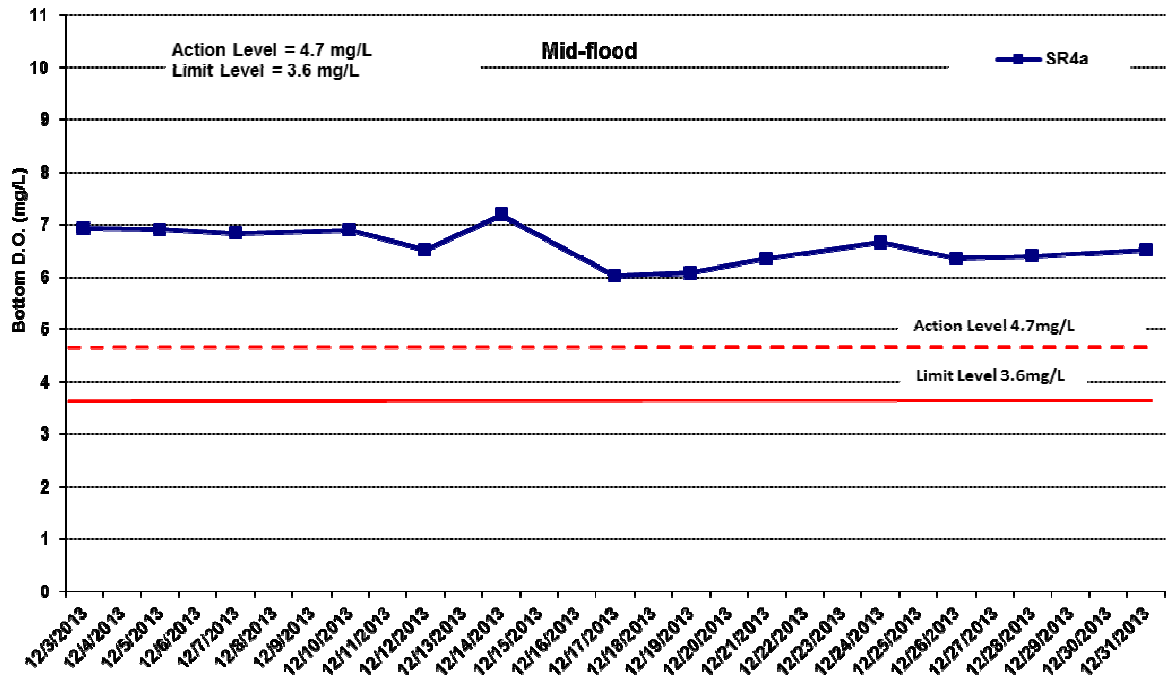


Figure J20 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 to 31 December 2013 at SR4a.

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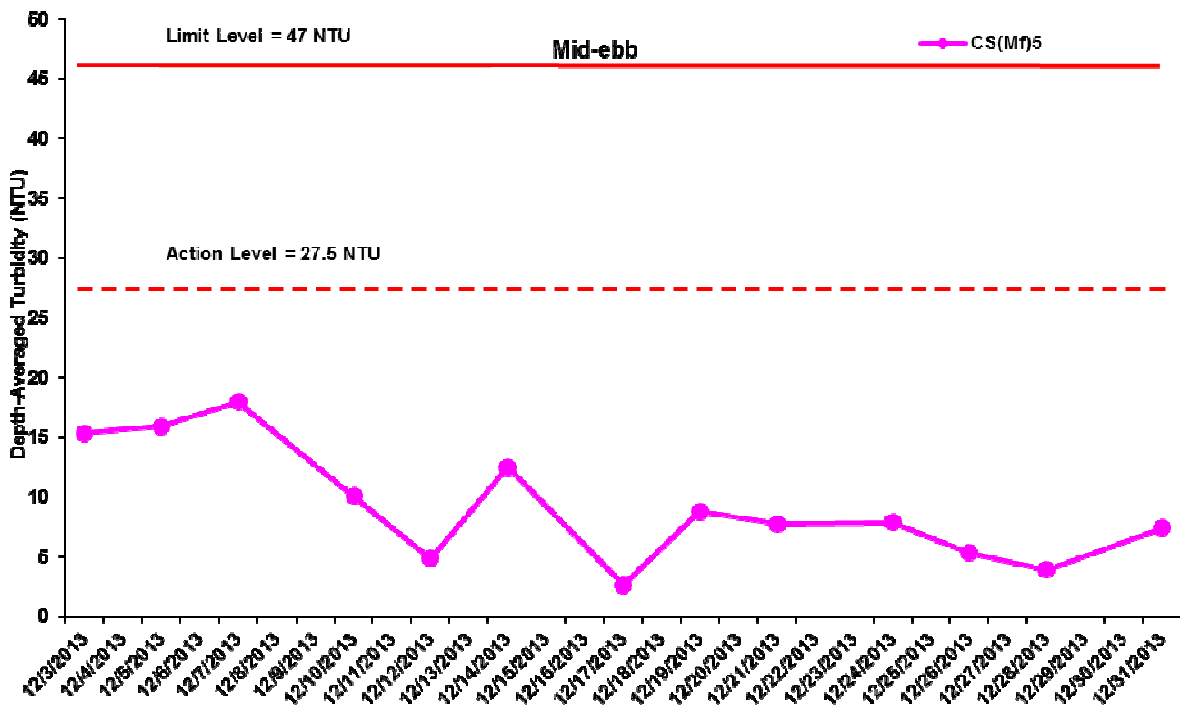
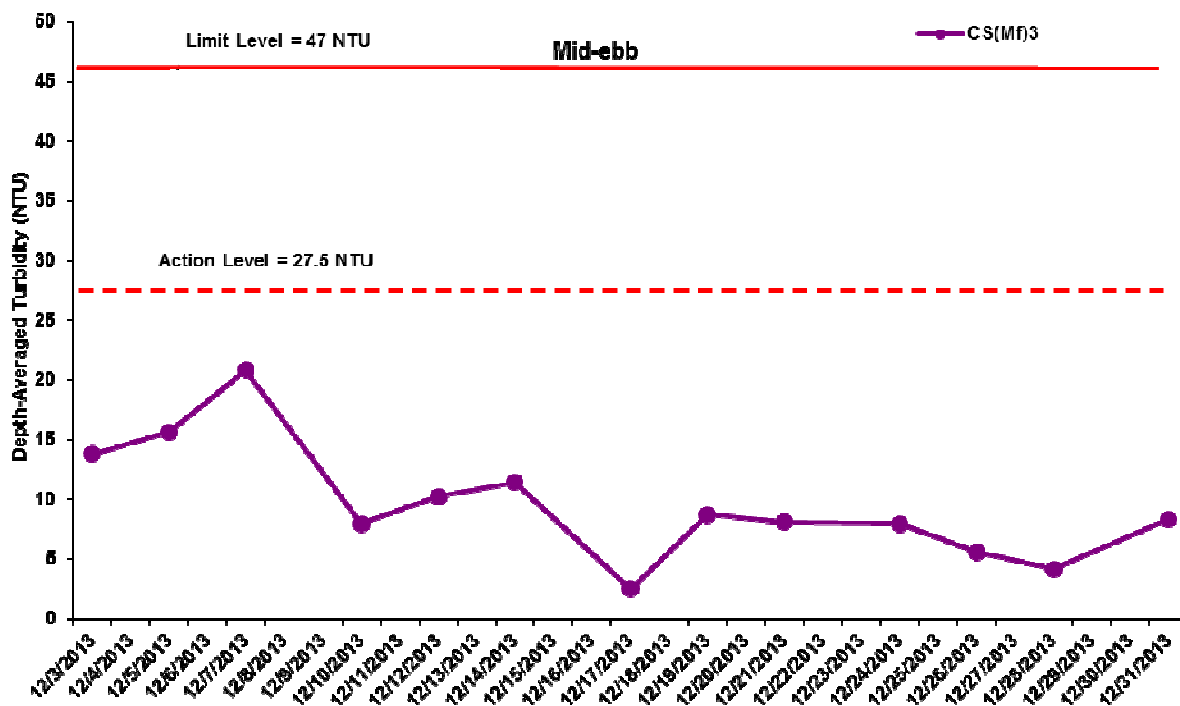


Figure J21 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.

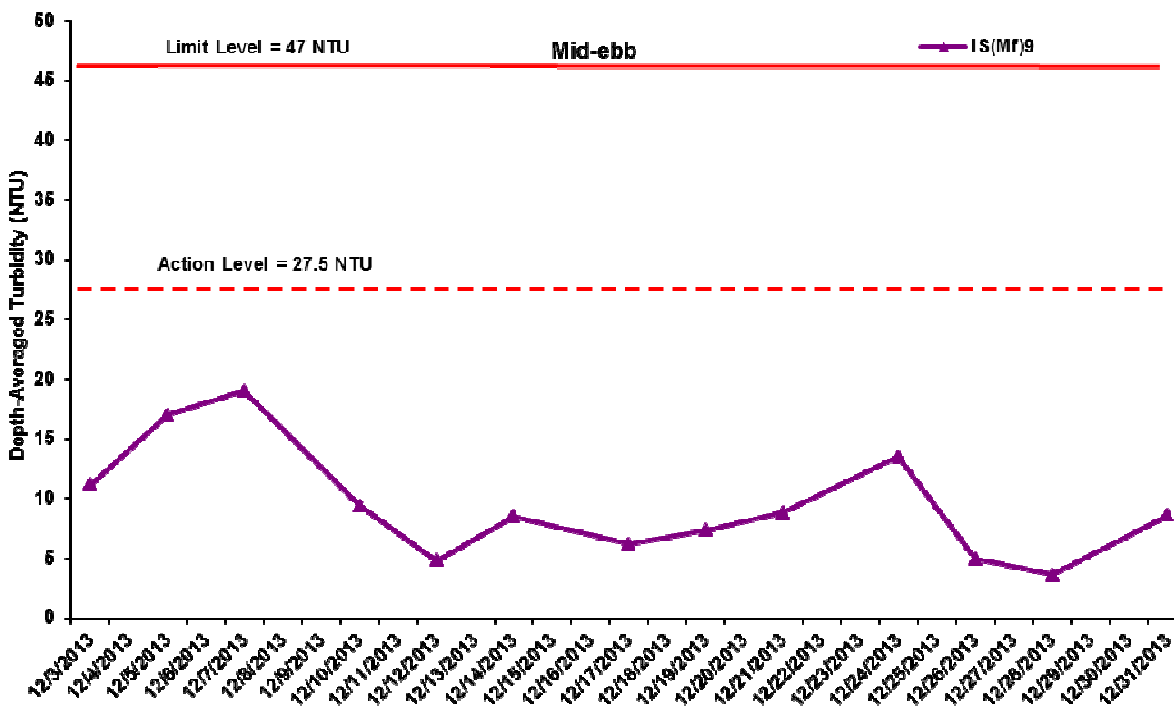
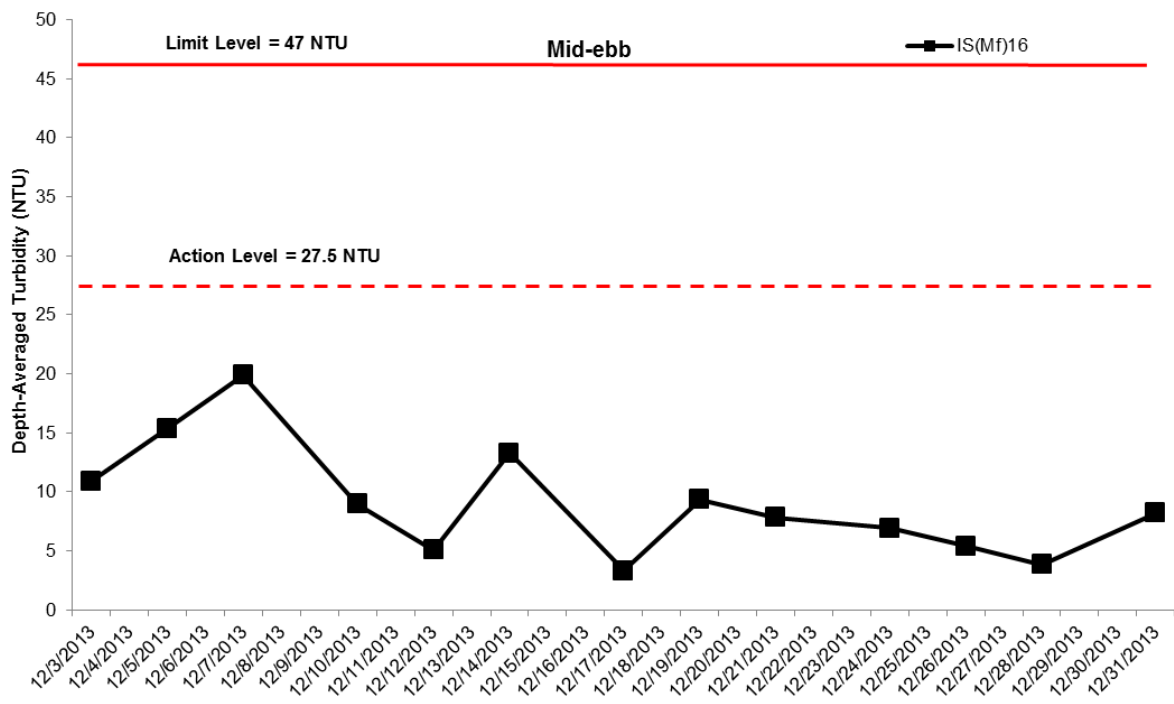


Figure J22 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.



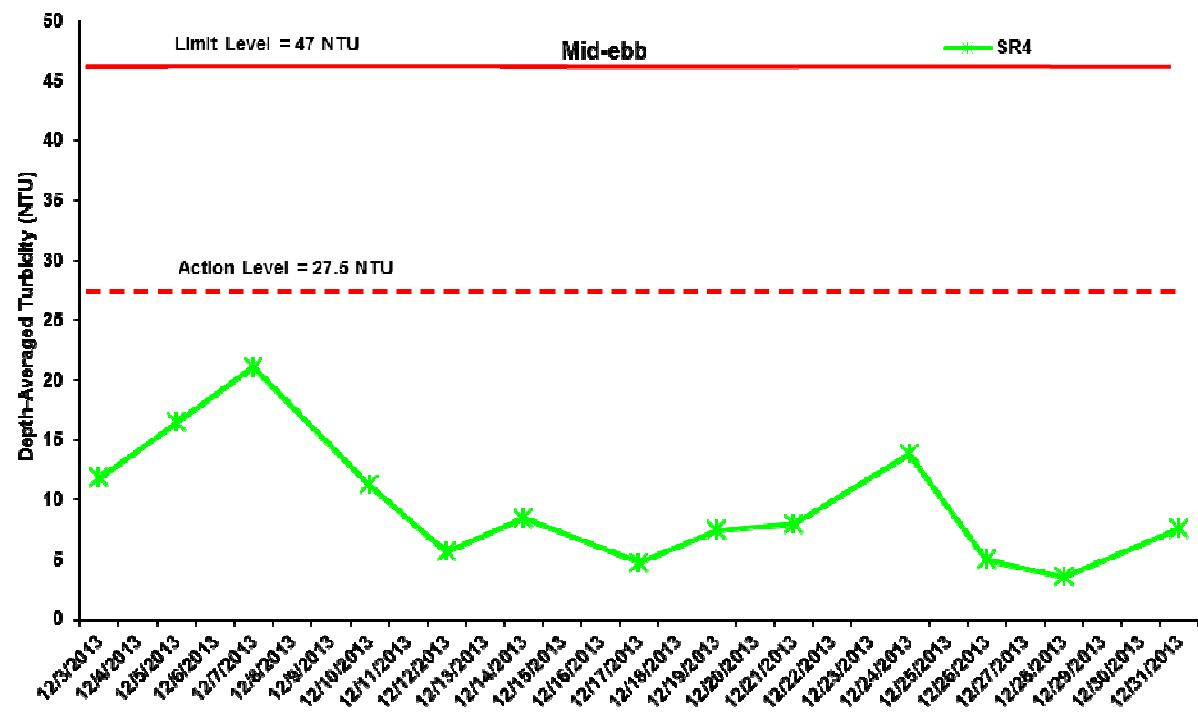
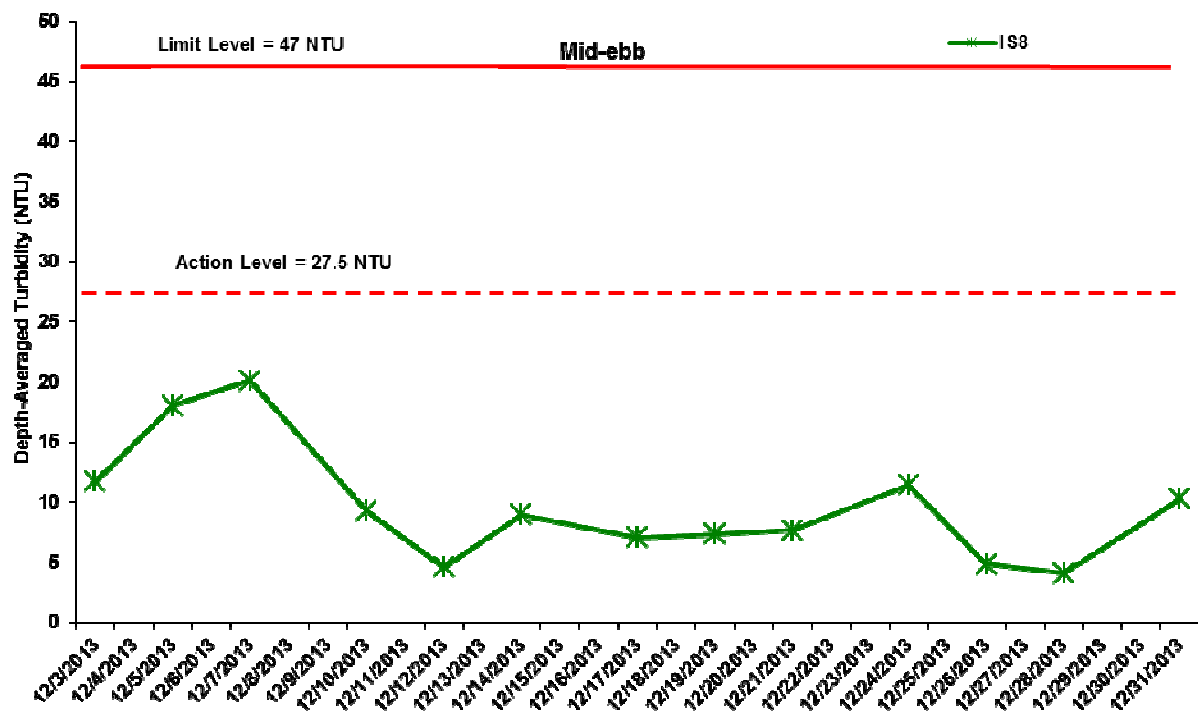


Figure J23 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 to 31 December 2013 at IS8 and SR4.

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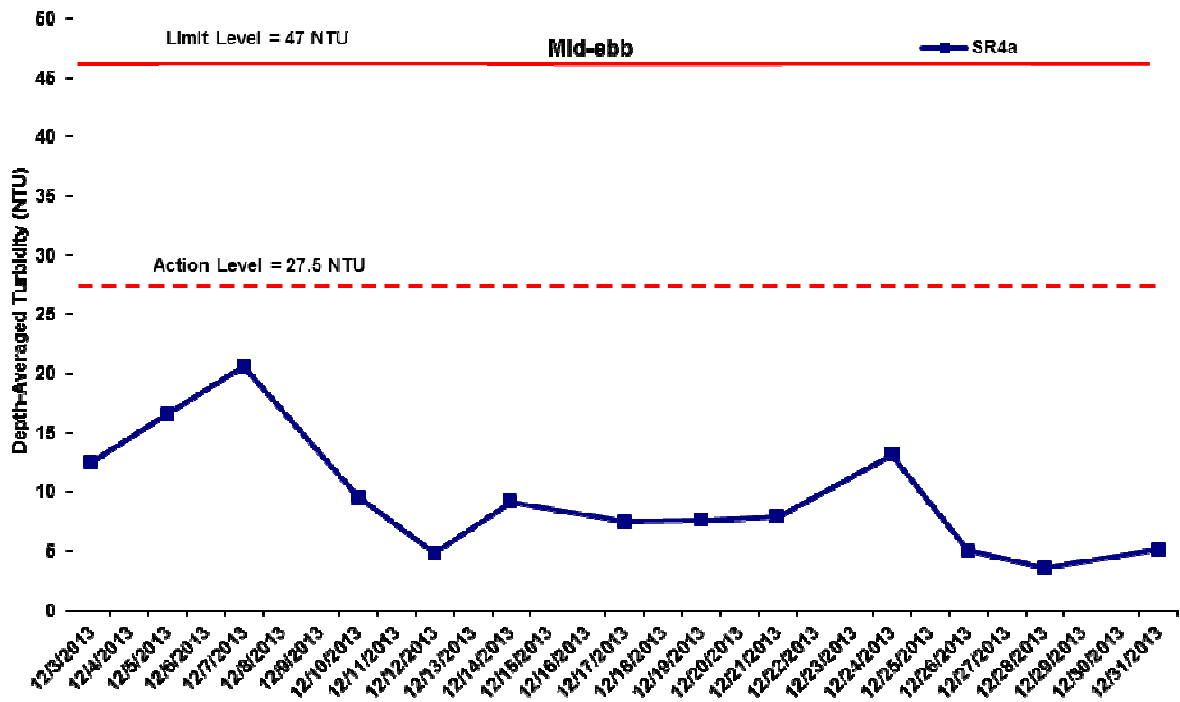


Figure J24 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 to 31 December 2013 at SR4a.

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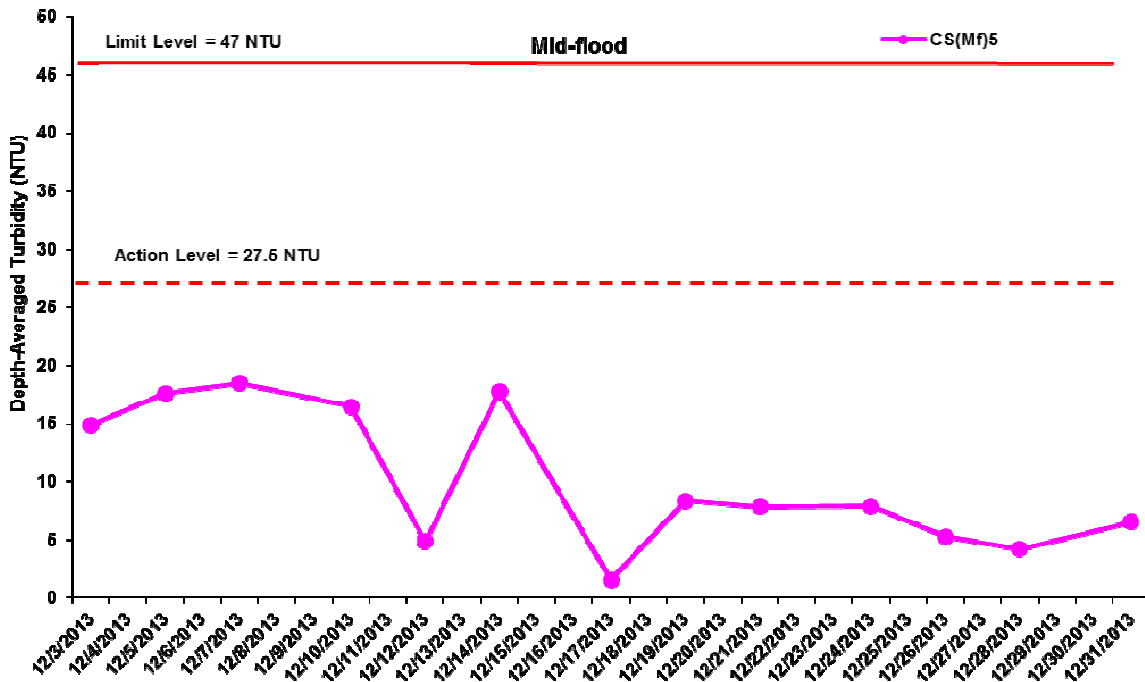
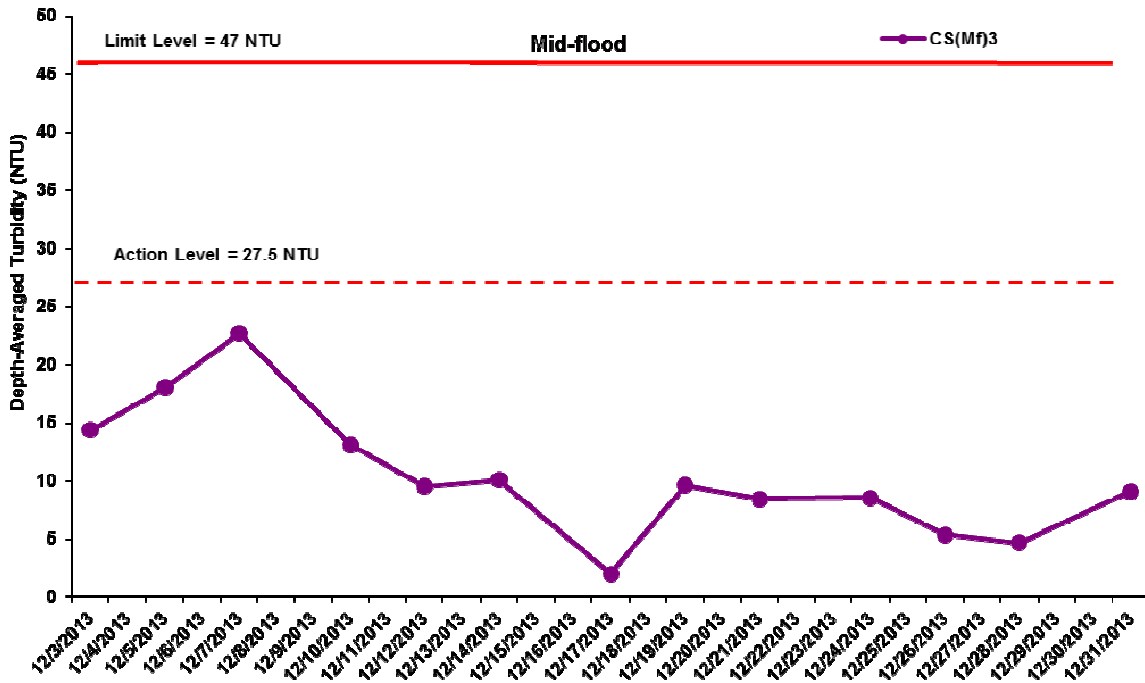


Figure J25 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 to 31 December 2013 at CS(Mf)3 and CS(MF)5.

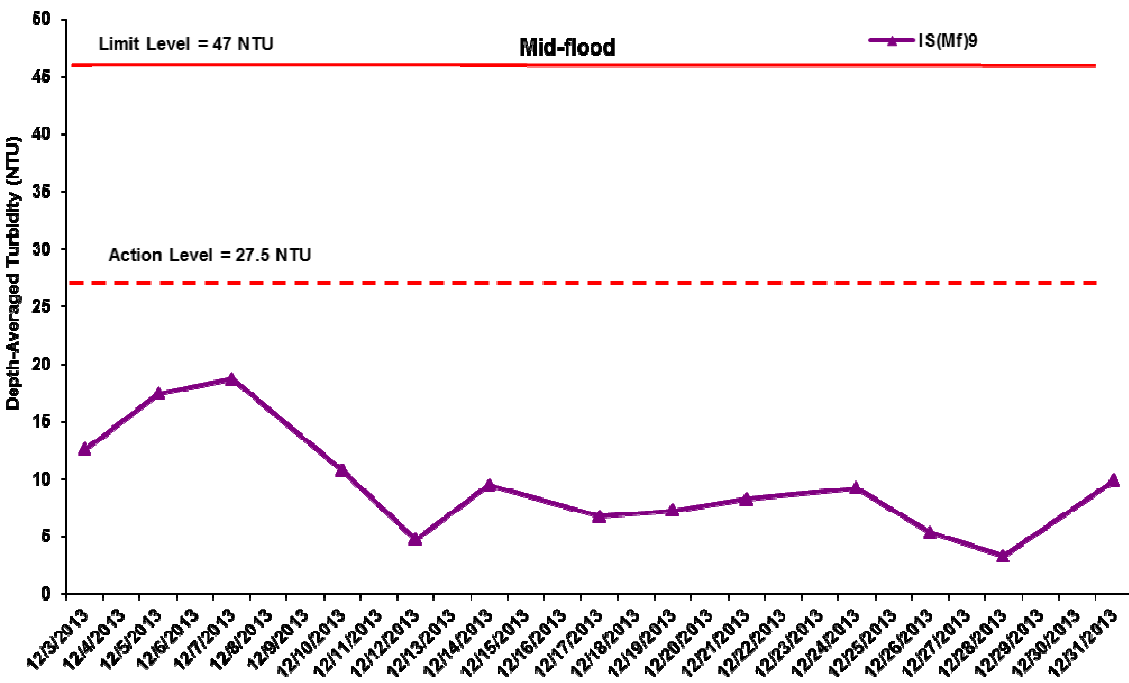
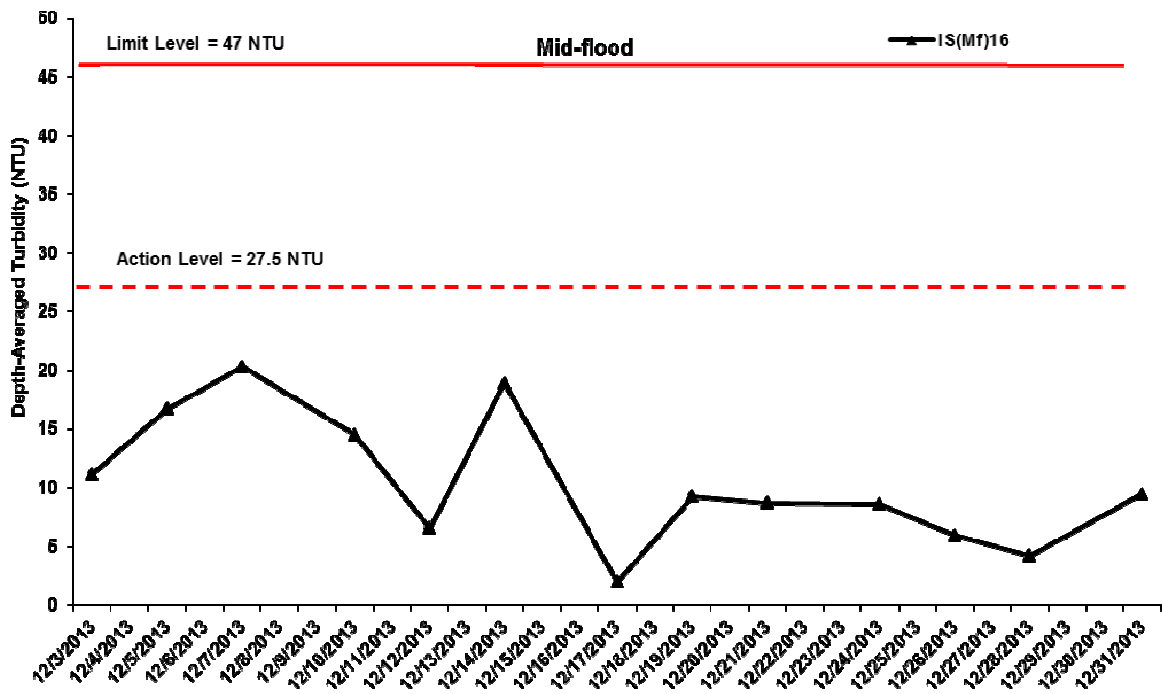


Figure J26 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.

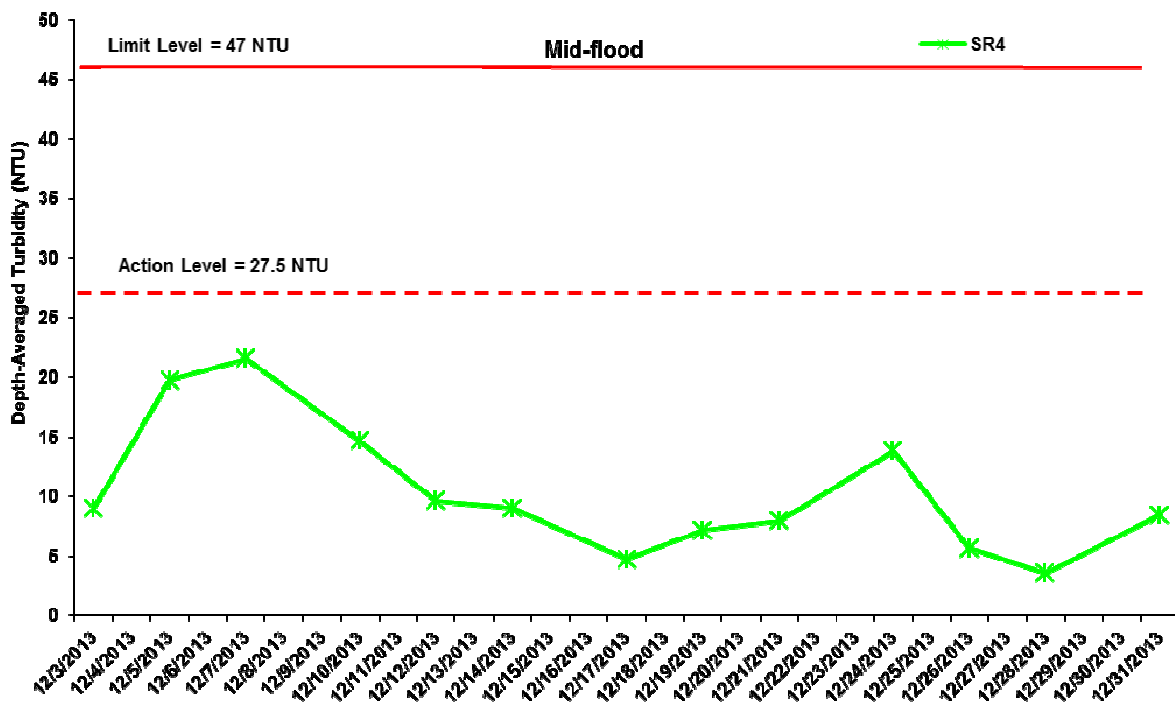
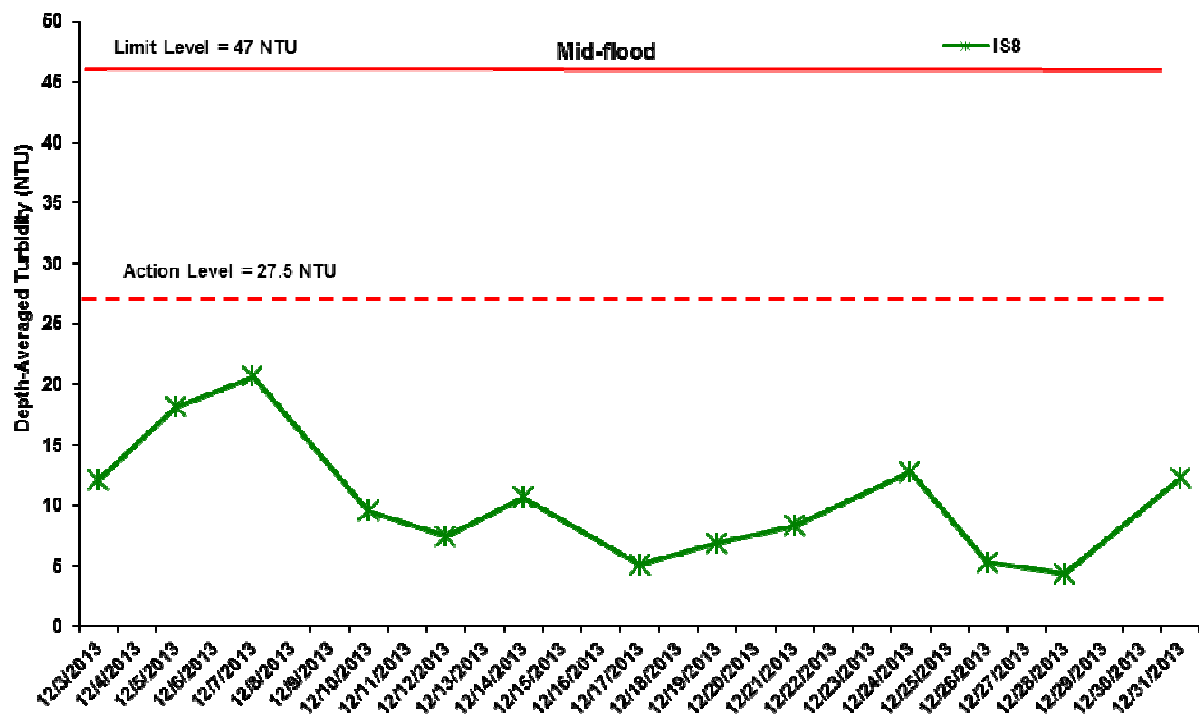


Figure J27 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 31 October and 30 November 2013 at IS8 and SR4.



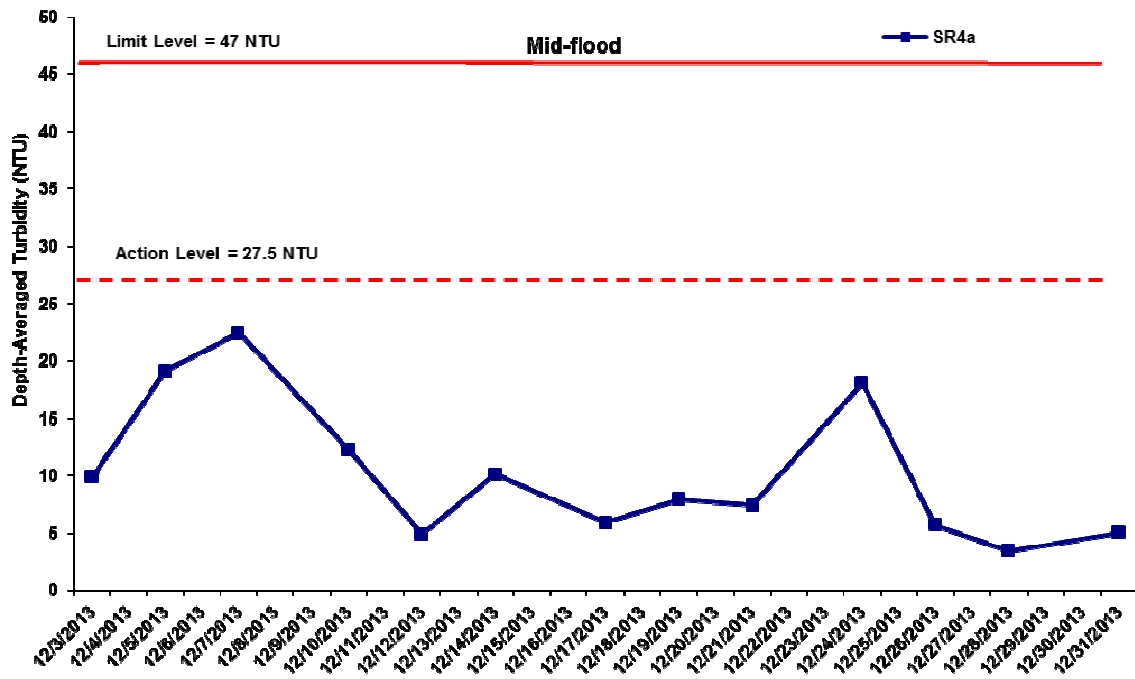


Figure J28 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 to 31 December 2013 at SR4a.

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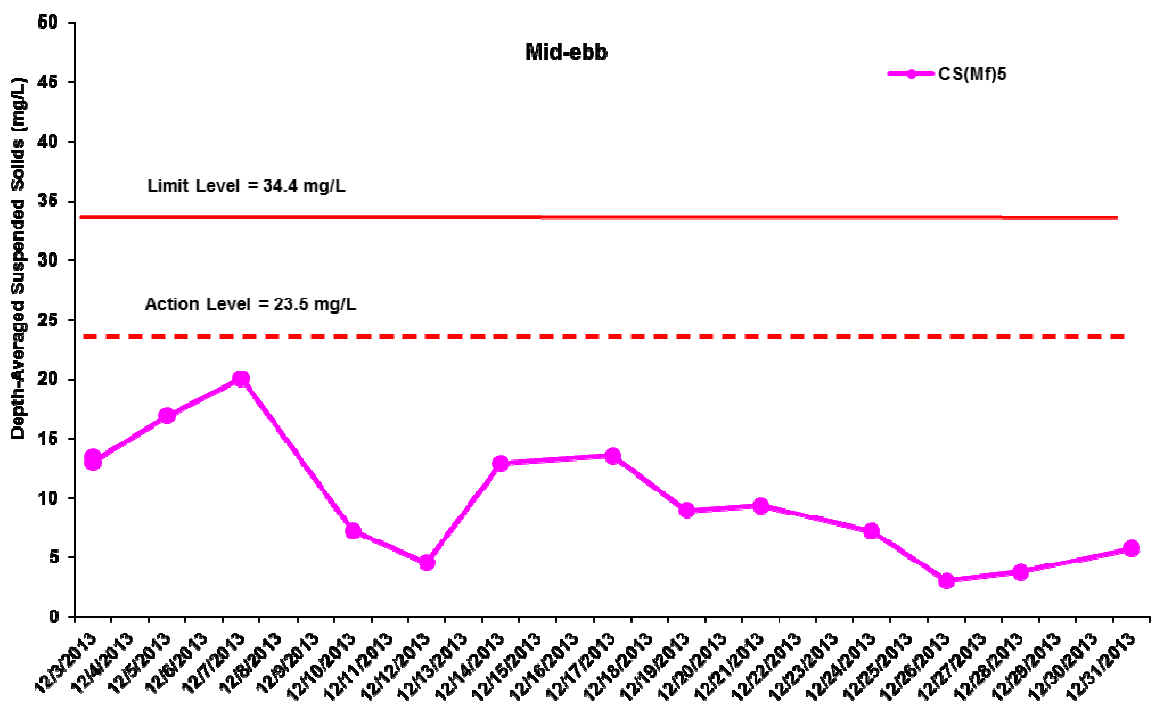
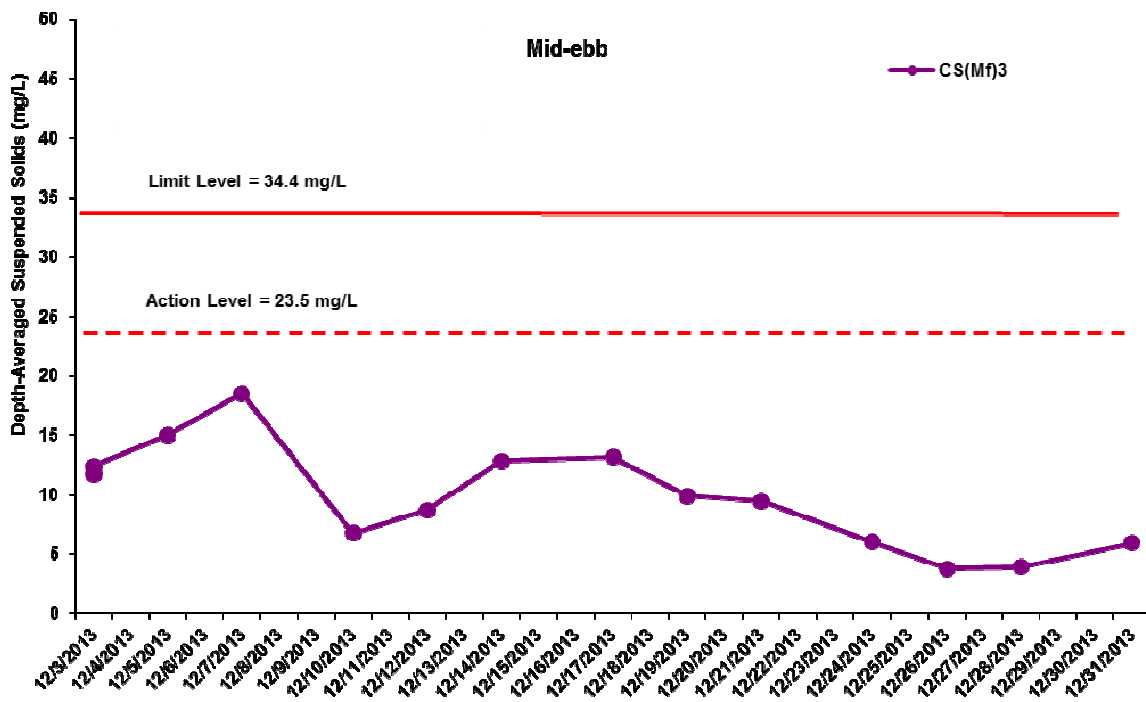


Figure J29 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-ebb tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.

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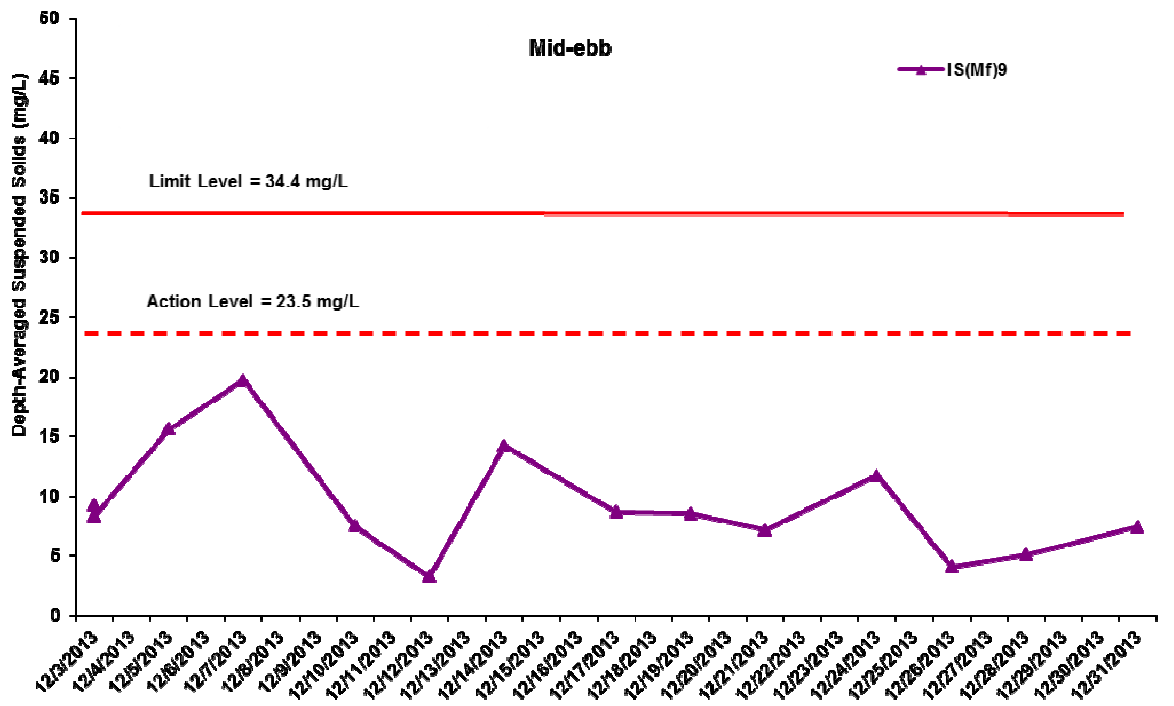
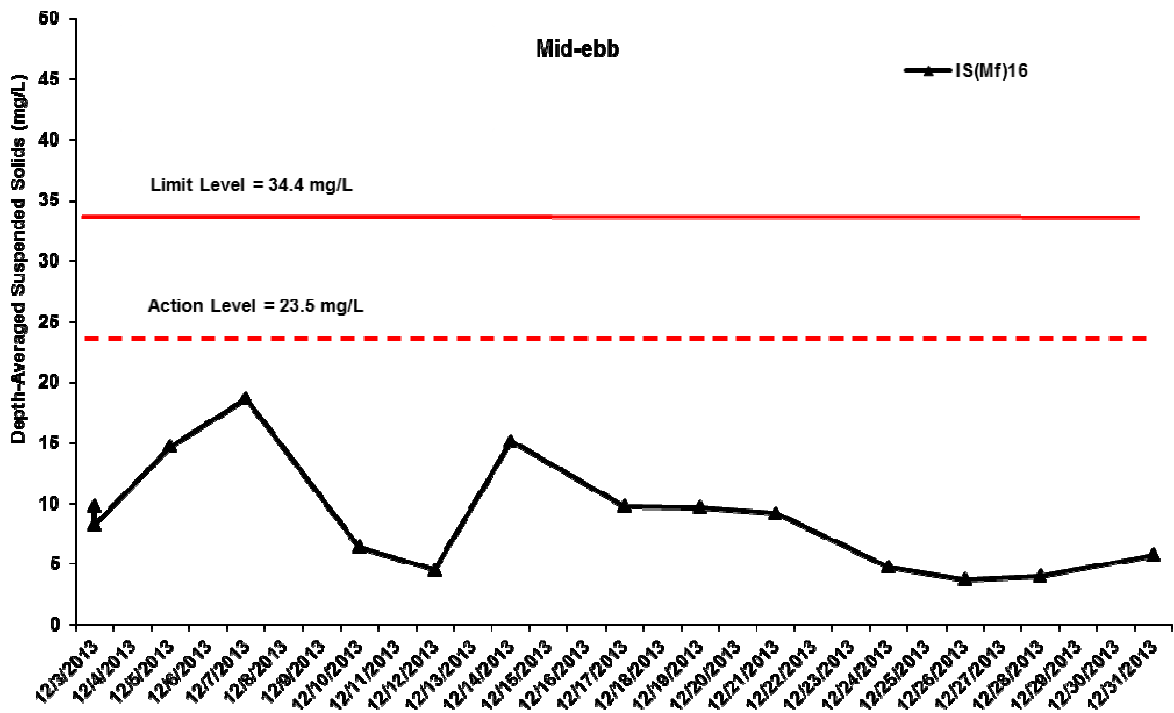


Figure J30 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-ebb tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9.

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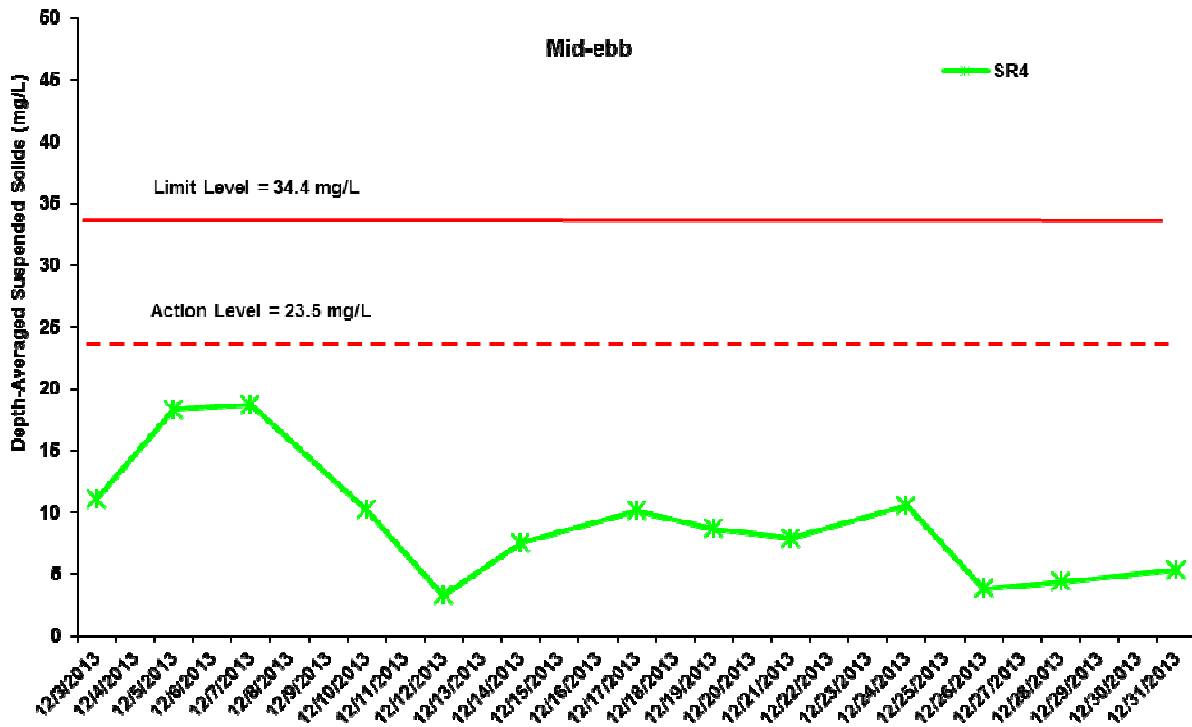
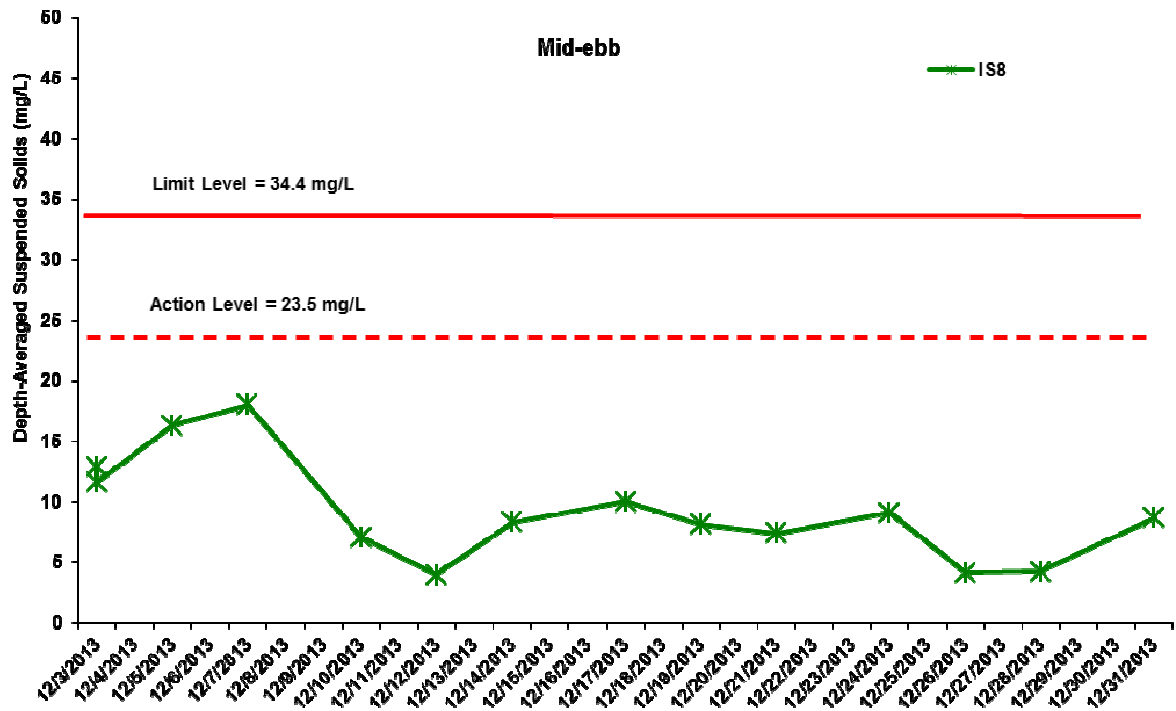


Figure J31 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-ebb tide between 1 to 31 December 2013 at IS8 and SR4.



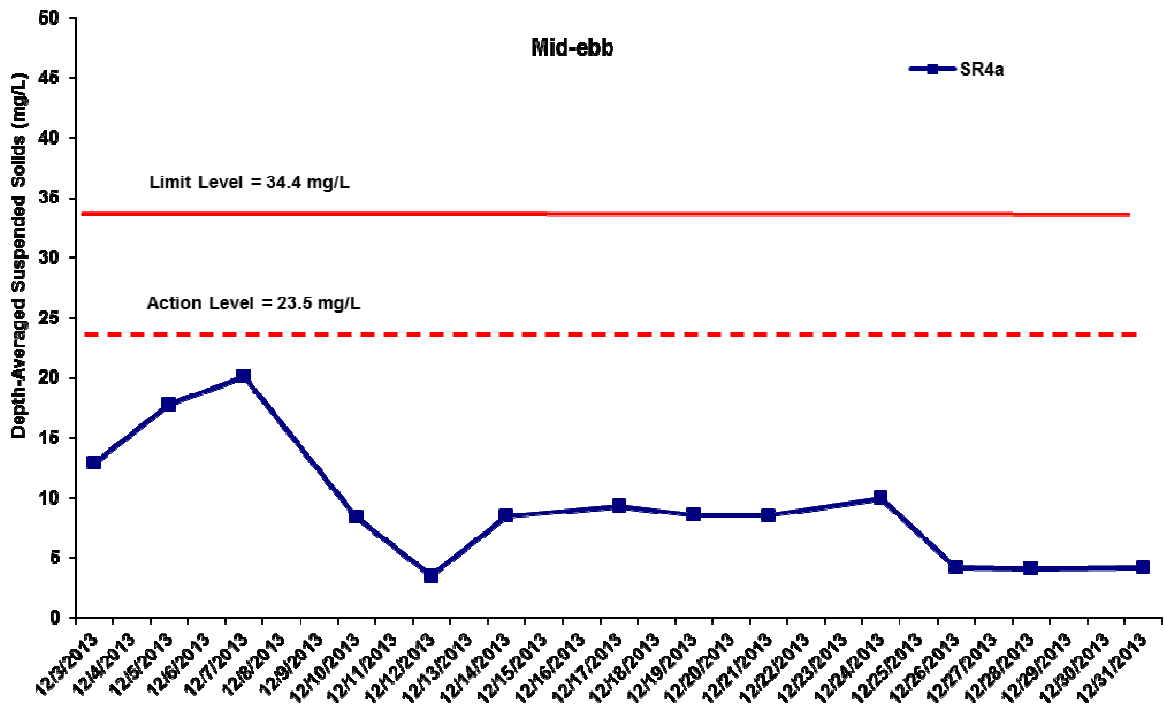


Figure J32 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-ebb tide between 1 to 31 December 2013 at SR4a.

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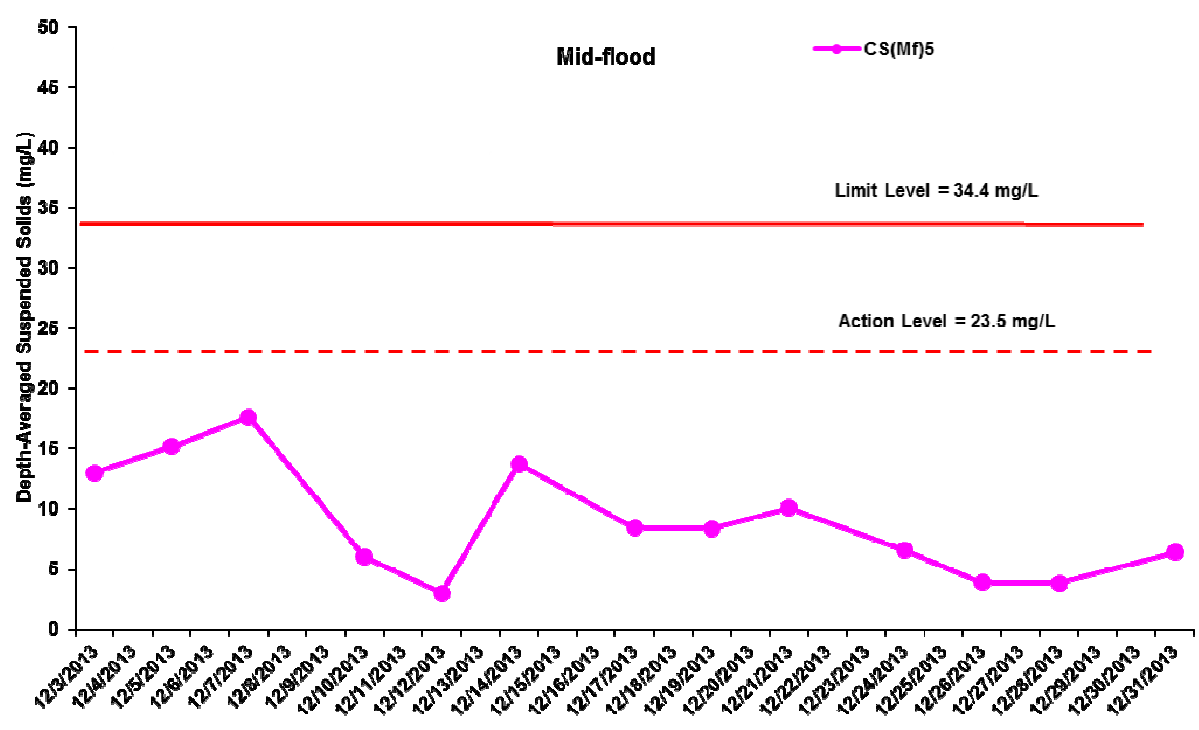
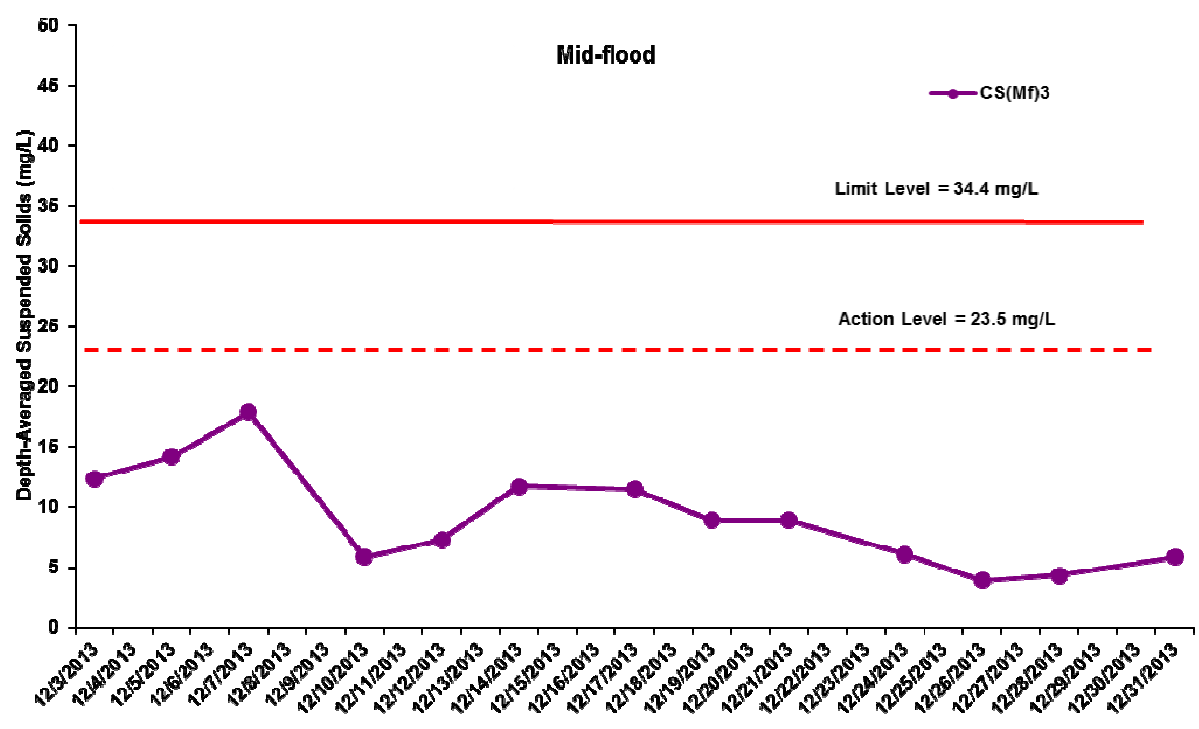


Figure J33 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-flood tide between 1 to 31 December 2013 at CS(Mf)3 and CS(Mf)5.

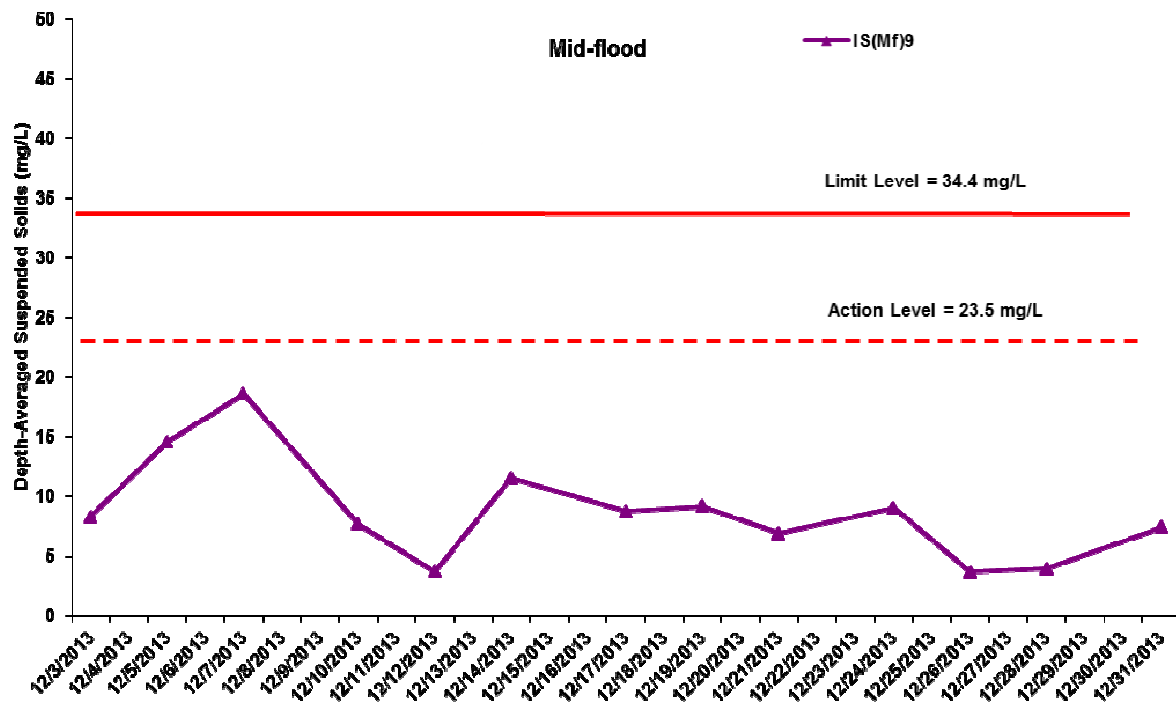
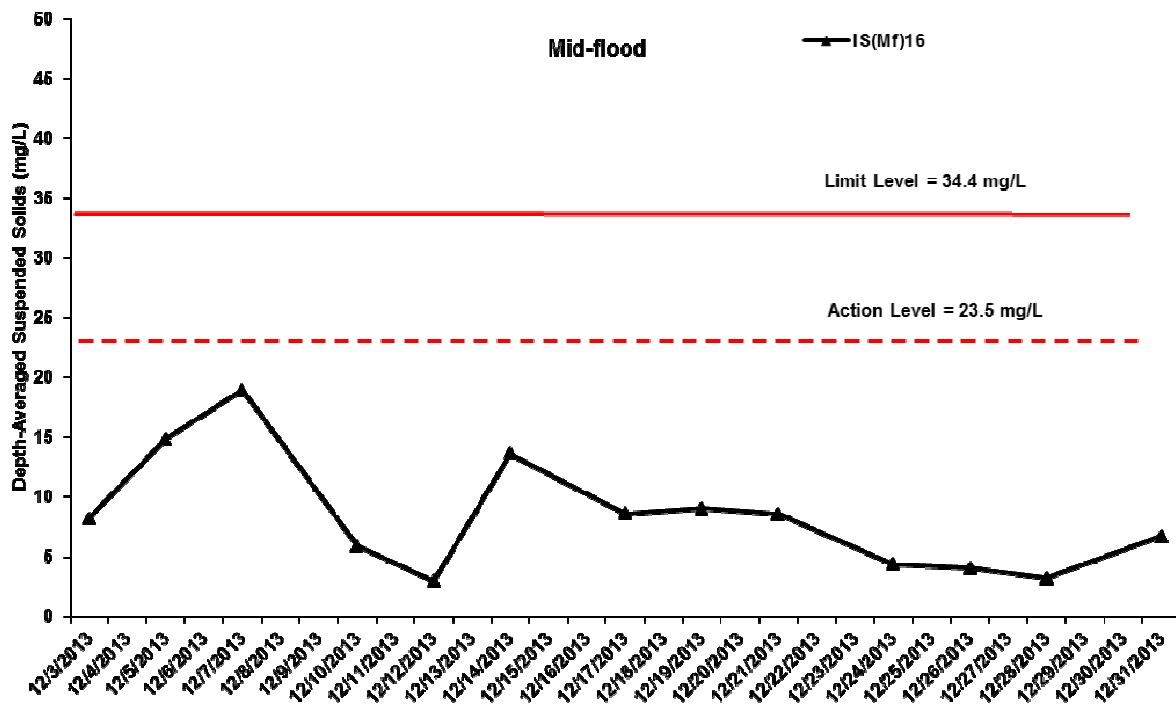


Figure J34 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-flood tide between 1 to 31 December 2013 at IS(Mf)16 and IS(Mf)9 .



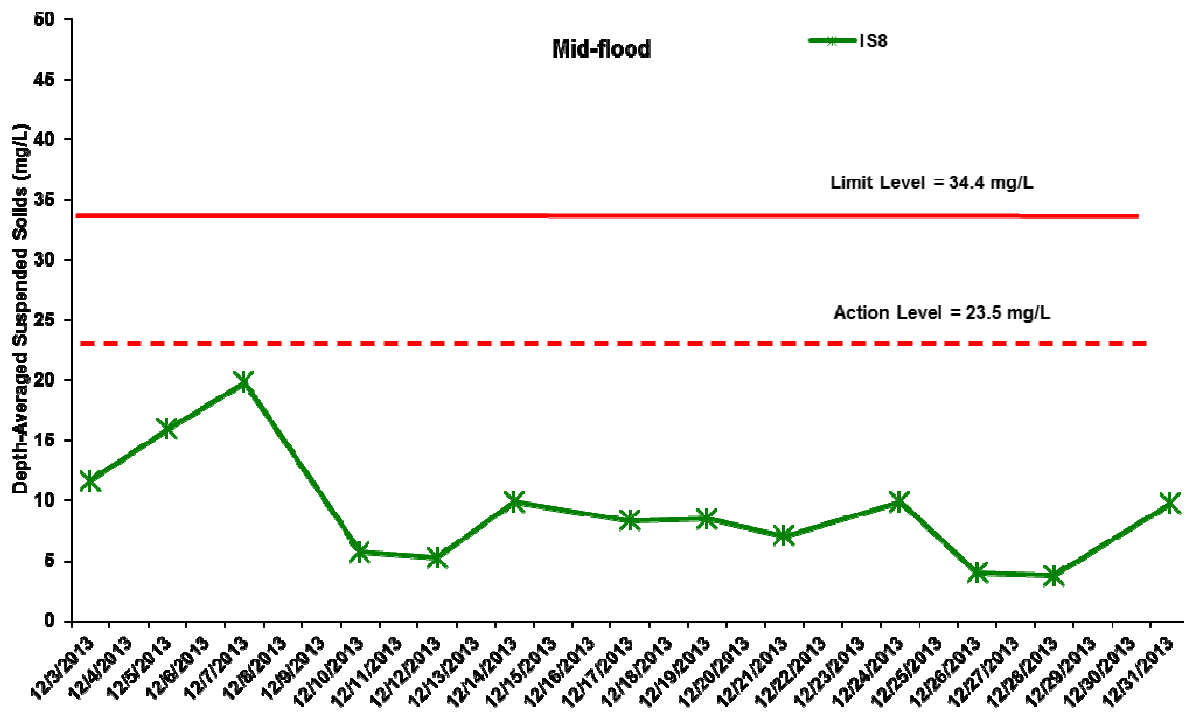


Figure J35 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-flood tide between 1 to 31 December 2013 at IS8 and SR4.



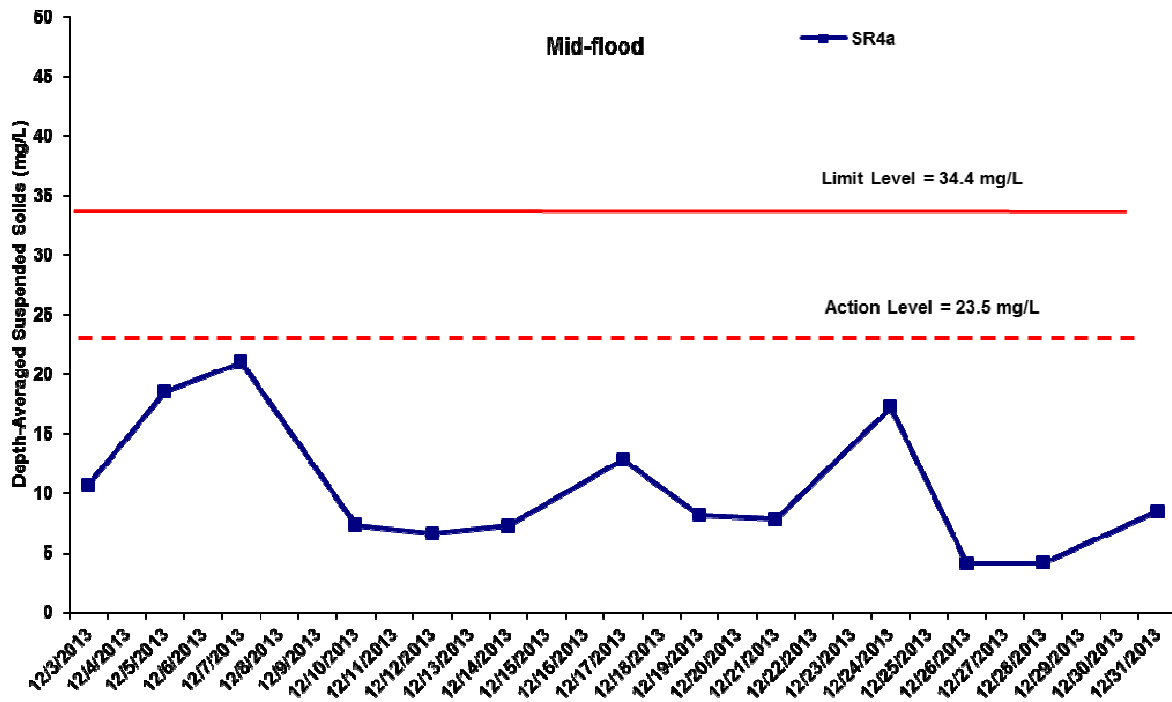


Figure J36 Impact Monitoring – Mean Level of depth-averaged Suspended Solids (mg/L) during mid-flood tide between 1 to 31 December 2013 at SR4a.