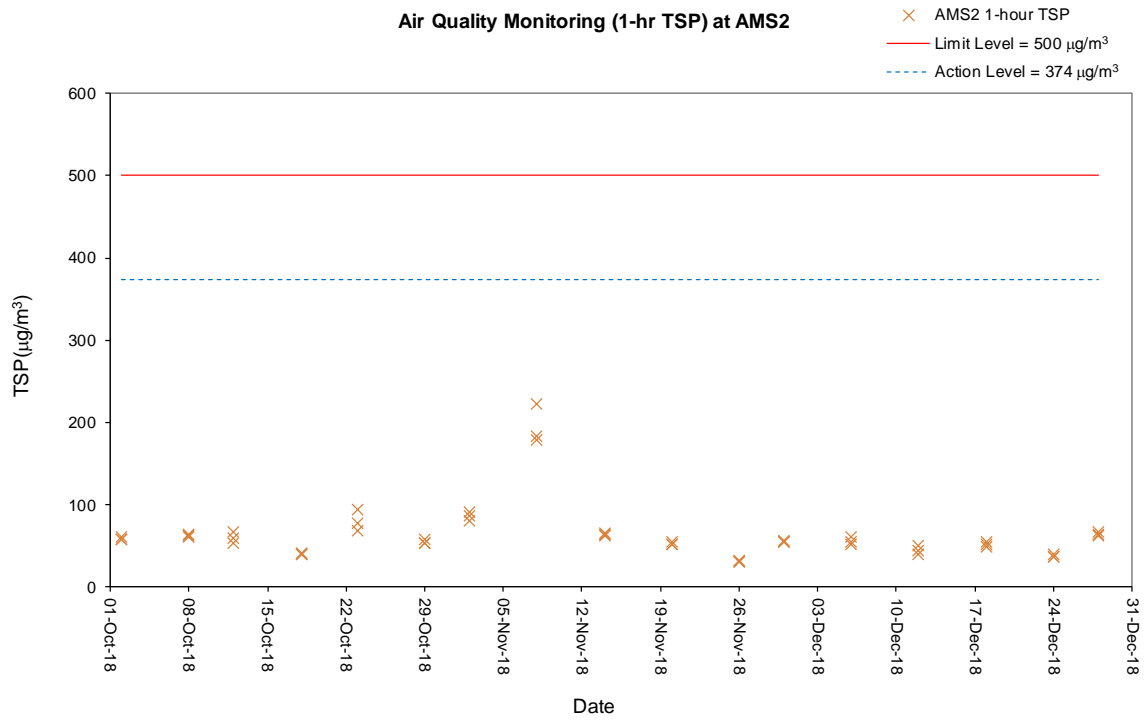
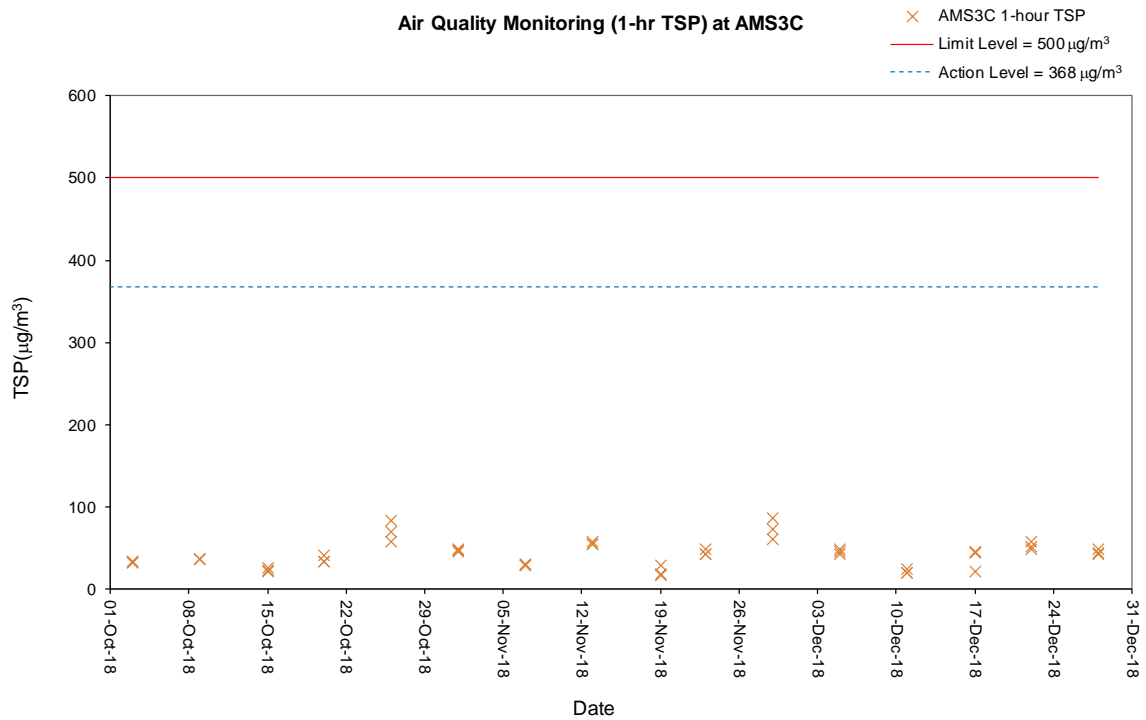


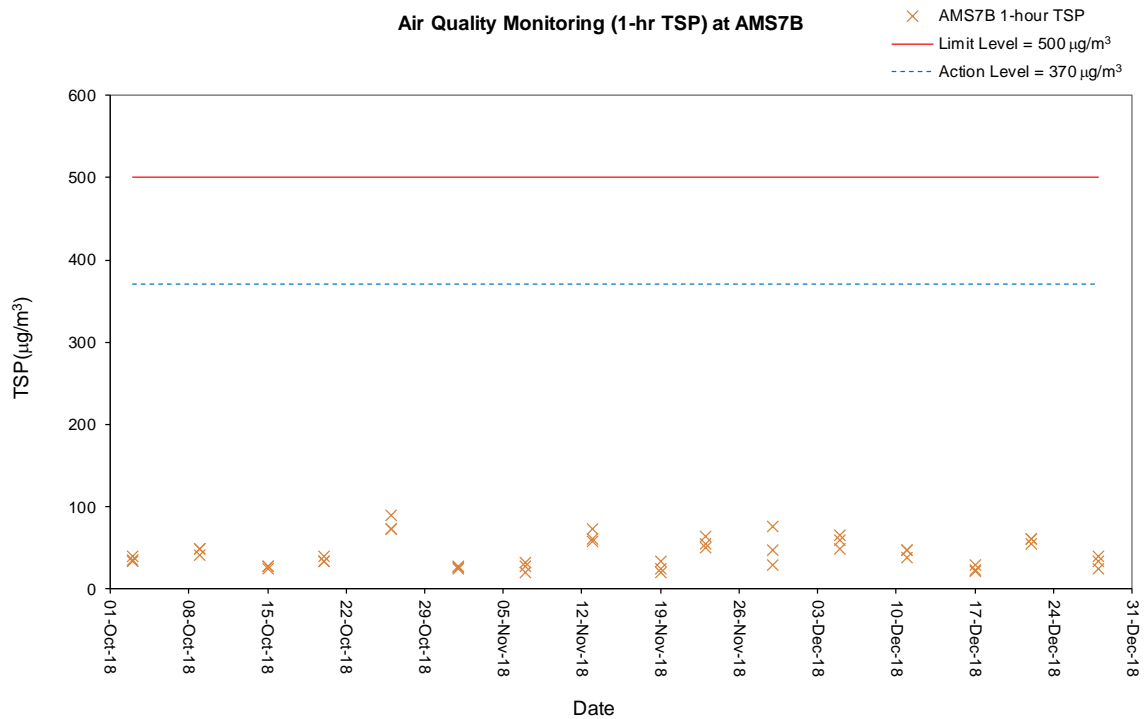
Project	Contract	Station	Date	Parameter	Start Time	Result	Unit
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	06-Dec-18	1-hr TSP	08:56	61	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	06-Dec-18	1-hr TSP	11:02	52	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	06-Dec-18	1-hr TSP	13:00	54	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	12-Dec-18	1-hr TSP	09:08	39	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	12-Dec-18	1-hr TSP	10:08	50	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	12-Dec-18	1-hr TSP	11:08	44	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	18-Dec-18	1-hr TSP	09:01	54	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	18-Dec-18	1-hr TSP	10:01	51	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	18-Dec-18	1-hr TSP	11:01	49	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	24-Dec-18	1-hr TSP	08:56	36	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	24-Dec-18	1-hr TSP	09:56	37	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	24-Dec-18	1-hr TSP	10:56	39	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	28-Dec-18	1-hr TSP	08:54	62	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	28-Dec-18	1-hr TSP	10:00	63	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	28-Dec-18	1-hr TSP	11:00	66	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	05-Dec-18	1-hr TSP	08:03	45	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	05-Dec-18	1-hr TSP	09:03	43	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	05-Dec-18	1-hr TSP	10:03	49	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	11-Dec-18	1-hr TSP	07:58	20	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	11-Dec-18	1-hr TSP	08:58	20	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	11-Dec-18	1-hr TSP	09:58	25	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	17-Dec-18	1-hr TSP	08:01	22	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	17-Dec-18	1-hr TSP	09:01	44	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	17-Dec-18	1-hr TSP	10:01	46	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	22-Dec-18	1-hr TSP	09:17	58	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	22-Dec-18	1-hr TSP	10:17	48	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	22-Dec-18	1-hr TSP	11:17	52	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	28-Dec-18	1-hr TSP	08:05	49	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	28-Dec-18	1-hr TSP	09:05	44	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	28-Dec-18	1-hr TSP	10:05	42	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	05-Dec-18	1-hr TSP	09:56	65	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	05-Dec-18	1-hr TSP	10:56	59	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	05-Dec-18	1-hr TSP	11:56	48	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	11-Dec-18	1-hr TSP	09:44	38	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	11-Dec-18	1-hr TSP	10:44	47	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	11-Dec-18	1-hr TSP	11:44	47	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	17-Dec-18	1-hr TSP	09:42	29	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	17-Dec-18	1-hr TSP	10:42	23	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	17-Dec-18	1-hr TSP	11:42	22	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	22-Dec-18	1-hr TSP	08:26	60	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	22-Dec-18	1-hr TSP	09:26	54	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	22-Dec-18	1-hr TSP	10:26	61	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	28-Dec-18	1-hr TSP	10:09	25	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	28-Dec-18	1-hr TSP	11:09	34	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	28-Dec-18	1-hr TSP	12:09	40	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	05-Dec-18	24-hr TSP	08:00	74	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	11-Dec-18	24-hr TSP	08:00	84	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	17-Dec-18	24-hr TSP	08:00	83	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	21-Dec-18	24-hr TSP	08:00	55	µg/m ³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	27-Dec-18	24-hr TSP	08:00	72	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	05-Dec-18	24-hr TSP	08:11	52	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	11-Dec-18	24-hr TSP	08:03	49	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	17-Dec-18	24-hr TSP	12:34	77	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	22-Dec-18	24-hr TSP	09:10	96	µg/m ³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	28-Dec-18	24-hr TSP	08:07	75	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	05-Dec-18	24-hr TSP	10:03	54	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	11-Dec-18	24-hr TSP	09:55	165	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	17-Dec-18	24-hr TSP	09:54	121	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	22-Dec-18	24-hr TSP	08:33	114	µg/m ³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	28-Dec-18	24-hr TSP	10:07	103	µg/m ³



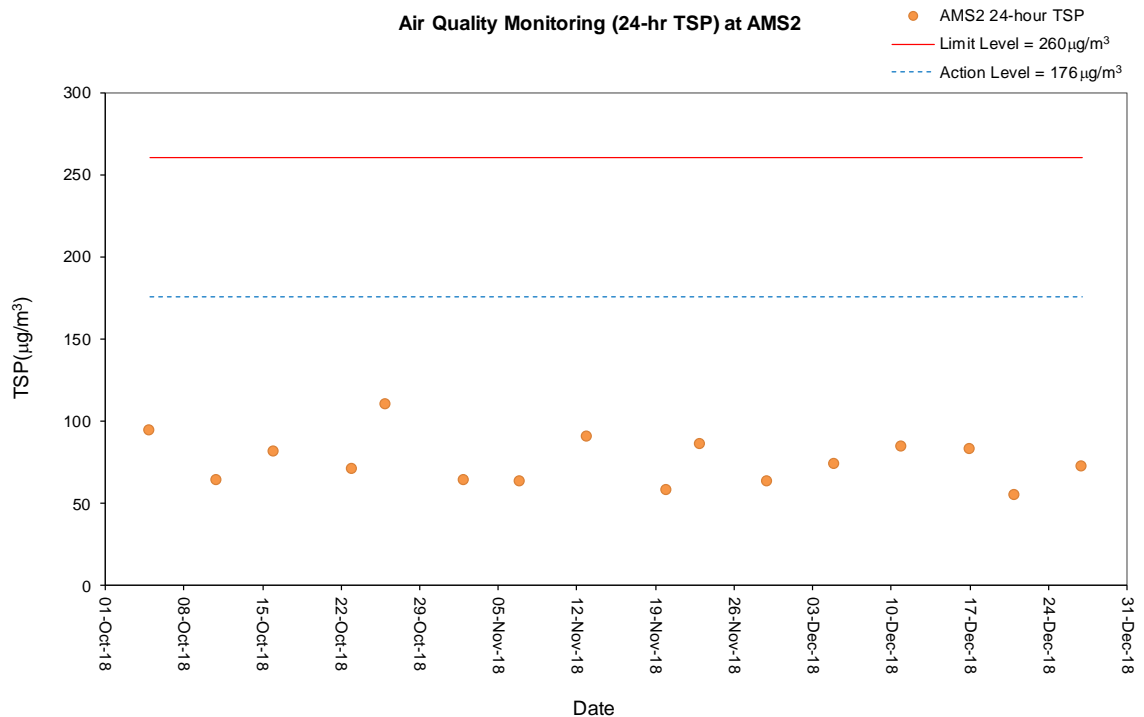
Remark: The air quality monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 “Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building”. Please refer the monitoring results in September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.



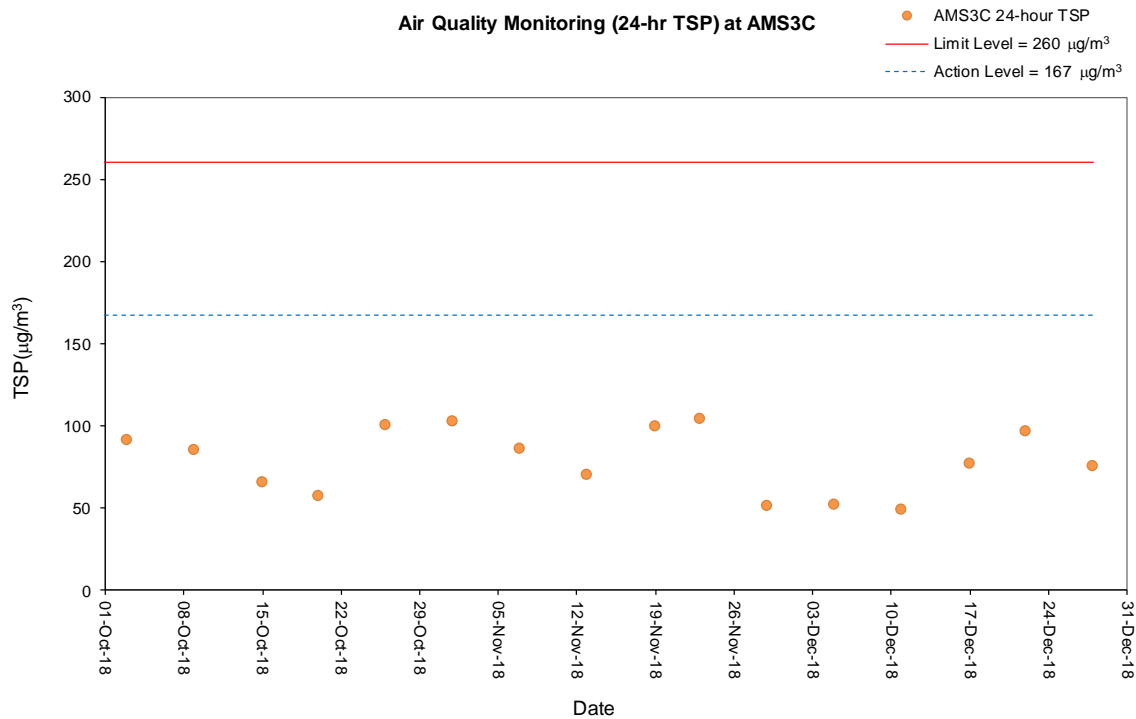
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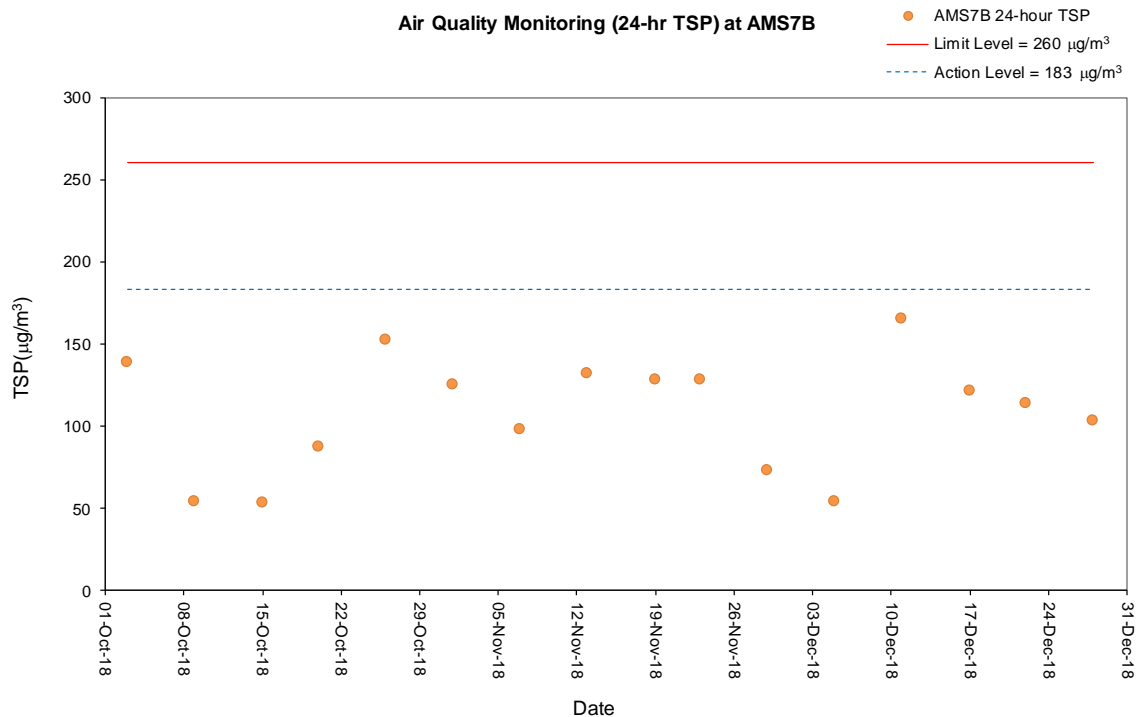
Remark: The air quality monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 “Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building”. Please refer the monitoring results in September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.



Remark: The air quality monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 “Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building”. Please refer the monitoring results in September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.



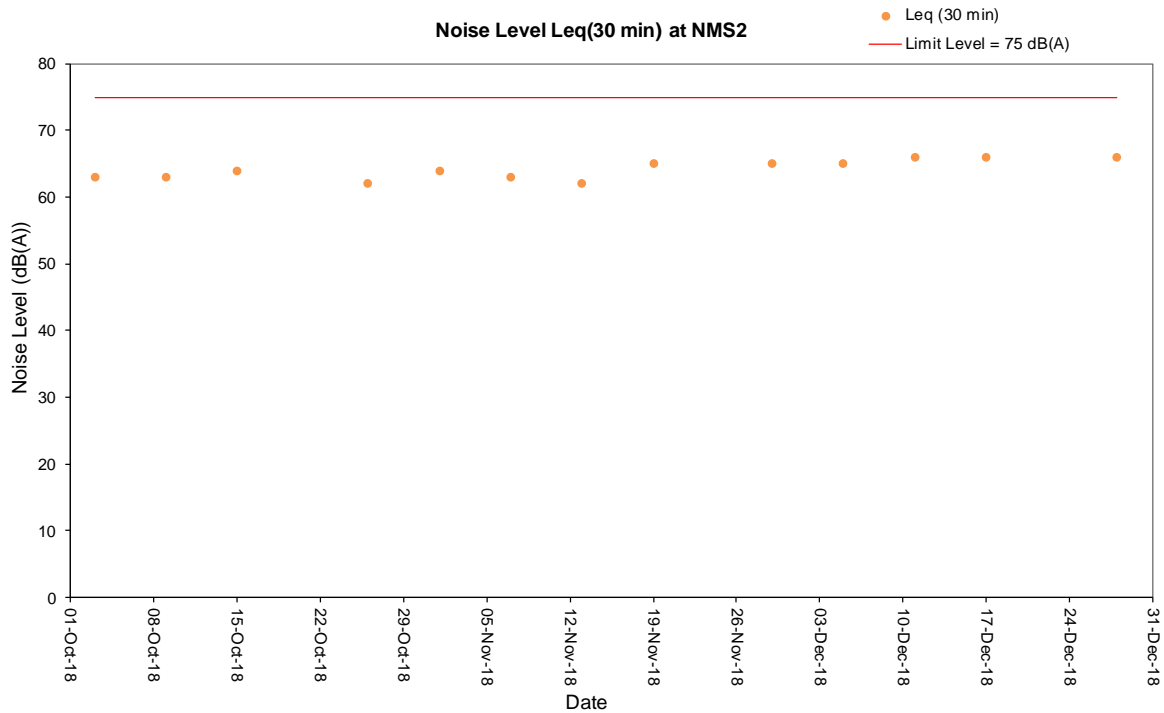
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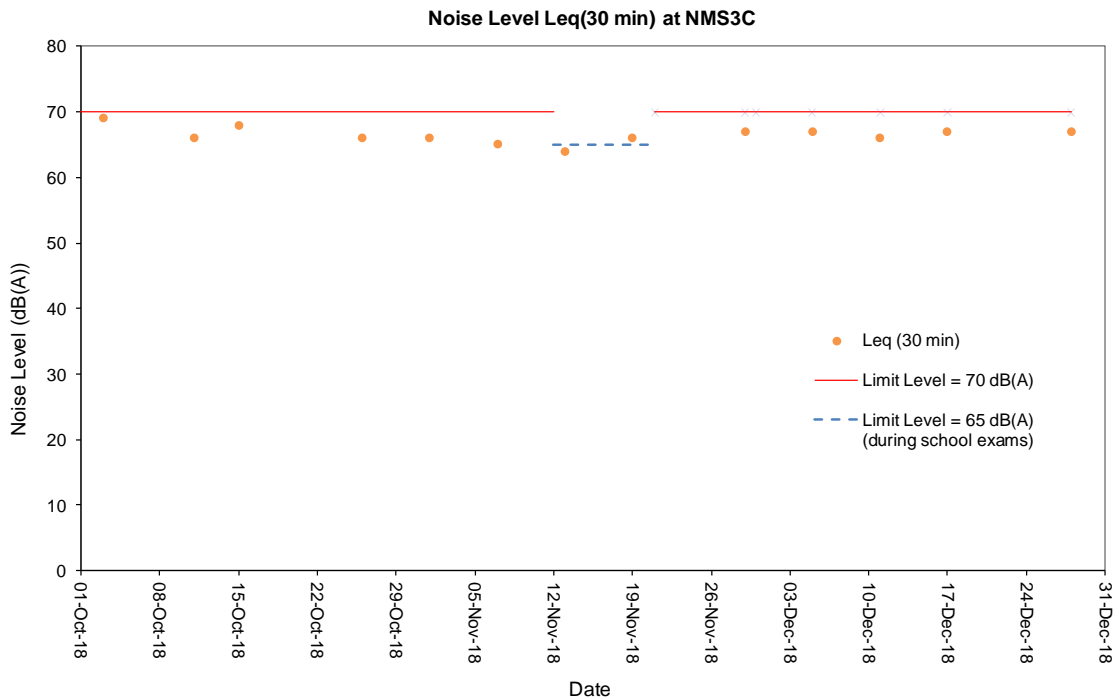
Remark: The air quality monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 “Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building”. Please refer the monitoring results in September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.

Project	Contract	Date	Station	Start Time	Noise Level for 30 min, dB(A)			Weather	Wind Speed, m/s	Facade / Free Field	Limit Level, dB(A)
					L _{eq}	L ₁₀	L ₉₀				
HKBCF	HY/2013/04	05-Dec-18	NMS2 Seaview Crescent	10:57	65	69	61	Sunny	<5	Facade	75
HKBCF	HY/2013/04	11-Dec-18	NMS2 Seaview Crescent	10:51	66	69	62	Cloudy	<5	Facade	75
HKBCF	HY/2013/04	17-Dec-18	NMS2 Seaview Crescent	10:45	66	68	62	Sunny	<5	Facade	75
HKBCF	HY/2013/04	28-Dec-18	NMS2 Seaview Crescent	10:58	66	69	61	Fine	<5	Facade	75
HKBCF	HY/2013/04	05-Dec-18	NMS3C Ying Tung Estate Refuse Collection Point	08:20	67	70	63	Sunny	<5	Free Field *	70
HKBCF	HY/2013/04	11-Dec-18	NMS3C Ying Tung Estate Refuse Collection Point	08:11	66	69	62	Cloudy	<5	Free Field *	70
HKBCF	HY/2013/04	17-Dec-18	NMS3C Ying Tung Estate Refuse Collection Point	08:09	67	70	63	Sunny	<5	Free Field *	70
HKBCF	HY/2013/04	28-Dec-18	NMS3C Ying Tung Estate Refuse Collection Point	08:29	67	70	64	Fine	<5	Free Field *	70

Remark: * Free field measurement; noise level shown includes +3dB(A) correction factor



Remark: The noise monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 “Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building”. Please refer the monitoring results in September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.



Remark: The measured noise level on 19 November 2018 at NMS3C exceeded the noise Limit Level of 65 dB(A) during examination period at Ho Yu College but it was below the baseline level. Therefore, it is not considered as an exceedance. As such the Event and Action Plan was not triggered.

The noise monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 “Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building”. Please refer the monitoring results in September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-03	Mid-Ebb	SR10A(N)	Fine	Moderate	10:12	12.6	Surface	1st	22.8	8.1	31.0	6.4	6.4	88.7	3.7	3.6	3.0	3.5
							Surface	2nd	22.8	8.1	30.9	6.4						
							Middle	1st	22.8	8.1	31.1	6.4	6.4	88.3	3.8			
							Middle	2nd	22.8	8.1	31.1	6.4						
							Bottom	1st	22.8	8.1	31.1	6.4	6.4	88.9	3.7			
							Bottom	2nd	22.8	8.1	31.1	6.4						
2018-12-03	Mid-Ebb	SR10B(N2)	Fine	Moderate	10:17	5.9	Surface	1st	22.8	8.1	31.0	6.4	6.4	89.1	4.3	4.3	4.4	4.3
							Surface	2nd	22.8	8.1	31.0	6.4						
							Middle	1st	-	-	-	-	6.4	89.3	4.6			
							Middle	2nd	-	-	-	-						
							Bottom	1st	22.8	8.1	31.0	6.4	6.4	89.3	4.2			
							Bottom	2nd	22.8	8.1	31.0	6.4						
2018-12-03	Mid-Ebb	CSA	Fine	Moderate	9:43	32.5	Surface	1st	23.2	8.0	30.2	6.4	6.4	88.4	6.3	8.7	3.5	5.3
							Surface	2nd	23.1	8.0	30.0	6.5						
							Middle	1st	23.2	8.0	30.7	6.3	6.4	89.5	6.5			
							Middle	2nd	23.1	8.0	30.5	6.4						
							Bottom	1st	23.2	8.0	30.8	6.3	6.4	87.8	13.3			
							Bottom	2nd	23.1	8.0	30.6	6.5						
2018-12-03	Mid-Ebb	CS6	Fine	Moderate	9:36	10.2	Surface	1st	23.3	8.0	30.1	6.5	6.5	89.8	5.3	7.3	4.0	4.9
							Surface	2nd	23.3	8.0	29.9	6.6						
							Middle	1st	23.2	8.0	30.5	6.3	6.5	88.9	9.7			
							Middle	2nd	23.2	8.0	30.3	6.5						
							Bottom	1st	23.2	8.0	30.7	6.4	6.5	91.0	9.7			
							Bottom	2nd	23.2	8.0	30.5	6.5						
2018-12-03	Mid-Ebb	CS4	Fine	Moderate	8:44	16.5	Surface	1st	23.2	8.0	28.7	6.6	6.7	90.8	7.5	7.6	5.6	5.1
							Surface	2nd	23.2	8.0	28.5	6.7						
							Middle	1st	23.2	8.0	29.1	6.6	6.7	91.1	7.7			
							Middle	2nd	23.2	8.0	28.9	6.8						
							Bottom	1st	23.2	8.0	29.1	6.6	6.7	91.4	7.7			
							Bottom	2nd	23.2	8.0	29.0	6.8						
2018-12-03	Mid-Ebb	SR6	Fine	Moderate	8:15	4.4	Surface	1st	23.1	8.0	30.0	6.7	6.8	92.9	7.4	8.0	5.3	6.8
							Surface	2nd	23.0	7.9	29.6	6.9						
							Middle	1st	-	-	-	-	6.8	93.1	8.2			
							Middle	2nd	-	-	-	-						
							Bottom	1st	23.1	8.0	30.1	6.7	6.8	95.1	8.8			
							Bottom	2nd	23.0	7.9	29.8	6.9						
2018-12-03	Mid-Ebb	CS(Mf)3(N)	Fine	Moderate	8:31	7.4	Surface	1st	23.2	7.9	28.3	6.6	6.7	90.6	6.1	9.7	4.8	5.2
							Surface	2nd	23.1	8.0	28.5	6.8						
							Middle	1st	23.2	7.8	29.6	6.6	6.7	91.4	11.7			
							Middle	2nd	23.1	7.9	29.4	6.8						
							Bottom	1st	23.2	7.9	29.4	6.6	6.7	91.5	11.8			
							Bottom	2nd	23.1	7.9	29.3	6.8						
2018-12-03	Mid-Ebb	SR5(N)	Fine	Moderate	9:02	9.4	Surface	1st	23.1	8.0	29.2	6.6	6.7	91.3	6.9	7.0	5.3	4.8
							Surface	2nd	23.1	8.0	29.0	6.8						
							Middle	1st	23.2	8.0	29.5	6.6	6.7	91.1	7.1			
							Middle	2nd	23.1	8.0	29.4	6.7						
							Bottom	1st	23.2	8.0	29.6	6.6	6.7	91.3	7.1			
							Bottom	2nd	23.1	8.0	29.4	6.8						
2018-12-03	Mid-Ebb	IS10(N)	Fine	Moderate	9:06	12.6	Surface	1st	23.2	8.0	29.3	6.5	6.5	89.9	4.1	7.4	5.0	5.0
							Surface	2nd	23.2	8.0	29.1	6.7						
							Middle	1st	23.2	8.0	29.8	6.4	6.5	88.3	8.8			
							Middle	2nd	23.2	8.0	29.6	6.5						
							Bottom	1st	23.2	8.0	29.9	6.4	6.5	88.8	9.2			
							Bottom	2nd	23.2	8.0	29.7	6.6						
2018-12-03	Mid-Ebb	IS(Mf)11	Fine	Moderate	9:11	11.2	Surface	1st	23.2	8.0	29.8	6.4	6.5	88.9	4.4	6.9	6.0	5.8
							Surface	2nd	23.2	8.0	29.6	6.6						
							Middle	1st	23.2	8.0	29.9	6.4	6.5	88.8	7.2			
							Middle	2nd	23.2	8.0	29.7	6.6						
							Bottom	1st	23.2	8.0	29.9	6.4	6.5	89.2	9.0			
							Bottom	2nd	23.2	8.0	29.7	6.6						
2018-12-03	Mid-Ebb	CS(Mf)5	Fine	Moderate	9:43	12.3	Surface	1st	22.8	8.1	30.3	6.3	6.3	87.8	4.1	4.1	12.1	11.1
							Surface	2nd	22.8	8.1	30.1	6.4						
							Middle	1st	22.8	8.1	31.1	6.2	6.2	86.6	3.9			
							Middle	2nd	22.8	8.1	31.1	6.2						
							Bottom	1st	22.8	8.1	31.3	6.2	6.2	86.7	4.9			
							Bottom	2nd	22.8	8.1	31.3	6.2						

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)							
2018-12-03	Mid-Ebb	SR7	Fine	Moderate	9:17	4.3	Surface	1st	23.2	8.0	29.8	6.4	6.5	88.7	9.3	9.8	4.9	4.8							
							Surface	2nd	23.2	8.0	29.7	6.5		90.8	9.3		4.7								
							Middle	1st	-	-	-	-	-	-	-	-	-								
							Middle	2nd	-	-	-	-	-	-	-	-	-								
							Bottom	1st	23.2	8.0	29.9	6.4	6.5	88.6	10.2	5.2									
							Bottom	2nd	23.2	8.0	29.7	6.5		90.8	10.4	4.5									
2018-12-03	Mid-Ebb	IS17	Fine	Moderate	9:25	9.9	Surface	1st	22.9	8.1	29.9	6.5	6.5	89.4	8.4	8.0	7.3	7.7							
							Surface	2nd	22.9	8.1	29.9	6.5		89.5	8.0		6.8								
							Middle	1st	22.9	8.1	30.2	6.4	88.2	8.3	7.8										
							Middle	2nd	22.9	8.1	30.2	6.4	88.3	8.0	7.2										
							Bottom	1st	22.8	8.1	30.7	6.3	6.3	87.6	7.9	8.3									
							Bottom	2nd	22.8	8.1	30.7	6.3		87.5	7.4	8.5									
							2018-12-03	Mid-Ebb	IS(Mf)16	Fine	Moderate	9:18	5.9	Surface	1st	22.8	8.1	29.6	6.7	6.7	92.2	5.7	9.1	6.1	6.1
														Surface	2nd	22.8	8.1	29.6	6.7		92.3	5.2		5.7	
														Middle	1st	-	-	-	-	-	-	-	-		
														Middle	2nd	-	-	-	-	-	-	-	-		
Bottom	1st	22.8	8.1	29.9	6.5	6.5								90.1	13.0	5.9									
Bottom	2nd	22.8	8.1	29.9	6.5									90.1	12.4	6.5									
2018-12-03	Mid-Ebb	IS8	Fine	Calm	8:57	3.7	Surface	1st	22.9	8.1	29.9	6.8	6.8	93.7	5.4	5.4	4.0	4.3							
							Surface	2nd	22.9	8.1	29.9	6.8		93.7	4.9		4.7								
							Middle	1st	-	-	-	-	-	-	-	-									
							Middle	2nd	-	-	-	-	-	-	-	-									
							Bottom	1st	22.9	8.1	30.0	6.8	6.8	94.2	5.7	4.0									
							Bottom	2nd	22.9	8.1	30.0	6.8		94.0	5.4	4.3									
2018-12-03	Mid-Ebb	SR4(N)	Fine	Calm	9:02	4.2	Surface	1st	22.9	8.1	29.9	6.8	6.8	93.3	4.7	4.6	4.3	4.4							
							Surface	2nd	22.9	8.1	29.9	6.8		93.2	4.4		4.3								
							Middle	1st	-	-	-	-	-	-	-	-									
							Middle	2nd	-	-	-	-	-	-	-	-									
							Bottom	1st	22.9	8.1	29.9	6.9	6.9	95.2	4.7	4.3									
							Bottom	2nd	22.9	8.1	29.9	6.9		94.9	4.4	4.6									
2018-12-03	Mid-Ebb	IS(Mf)9	Fine	Calm	8:49	3.4	Surface	1st	22.8	8.1	30.0	6.7	6.7	92.0	5.4	6.5	6.8	6.0							
							Surface	2nd	22.8	8.1	30.0	6.7		92.0	5.0		6.7								
							Middle	1st	-	-	-	-	-	-	-	-									
							Middle	2nd	-	-	-	-	-	-	-	-									
							Bottom	1st	22.8	8.1	30.0	6.8	6.8	94.4	8.2	5.2									
							Bottom	2nd	22.8	8.1	30.0	6.8		93.8	7.5	5.4									
2018-12-03	Mid-Ebb	IS7	Fine	Calm	8:42	2.9	Surface	1st	-	-	-	-	6.9	-	-	4.2	-	7.8							
							Surface	2nd	-	-	-	-		-	-		-								
							Middle	1st	22.9	8.1	30.0	6.9	94.7	4.4	7.8										
							Middle	2nd	22.9	8.1	30.0	6.8	94.6	4.0	7.8										
							Bottom	1st	-	-	-	-	-	-	-	-									
							Bottom	2nd	-	-	-	-	-	-	-	-									
2018-12-03	Mid-Ebb	IS(Mf)6	Fine	Calm	8:32	2.6	Surface	1st	-	-	-	-	6.9	-	-	10.6	-	7.1							
							Surface	2nd	-	-	-	-		-	-		-								
							Middle	1st	23.0	8.1	30.2	6.9	95.2	11.1	7.4										
							Middle	2nd	23.0	8.1	30.2	6.8	94.8	10.1	6.8										
							Bottom	1st	-	-	-	-	-	-	-	-									
							Bottom	2nd	-	-	-	-	-	-	-	-									
2018-12-03	Mid-Ebb	IS5	Fine	Calm	8:21	9.2	Surface	1st	23.0	8.1	30.2	6.6	6.6	92.0	5.8	5.9	5.5	6.5							
							Surface	2nd	23.0	8.1	30.2	6.6		92.0	5.5		5.8								
							Middle	1st	23.0	8.1	30.2	6.6	91.9	5.9	6.5										
							Middle	2nd	23.0	8.1	30.2	6.6	92.0	5.4	6.7										
							Bottom	1st	23.0	8.1	30.3	6.7	6.7	93.6	7.1	7.1									
							Bottom	2nd	23.0	8.1	30.3	6.7		93.4	5.8	7.2									
2018-12-03	Mid-Ebb	SR3(N)	Fine	Calm	8:15	3.6	Surface	1st	23.0	8.1	30.3	6.6	6.6	91.2	6.6	6.4	5.2	5.2							
							Surface	2nd	23.0	8.1	30.3	6.6		91.2	6.4		5.6								
							Middle	1st	-	-	-	-	-	-	-	-									
							Middle	2nd	-	-	-	-	-	-	-	-									
							Bottom	1st	23.0	8.2	30.3	6.6	6.6	91.6	6.5	4.9									
							Bottom	2nd	23.0	8.1	30.3	6.6		91.5	6.1	4.9									
2018-12-03	Mid-Flood	SR10A(N)	Cloudy	Moderate	2:51	11.3	Surface	1st	22.8	8.1	30.3	6.6	6.6	90.7	4.4	4.3	3.7	4.6							
							Surface	2nd	22.8	8.1	30.3	6.6		90.8	4.1		3.7								
							Middle	1st	22.8	8.1	30.5	6.5	90.1	4.4	4.8										
							Middle	2nd	22.8	8.1	30.5	6.5	90.2	4.1	4.5										
							Bottom	1st	22.8	8.1	30.9	6.5	6.5	90.0	4.5	5.2									
							Bottom	2nd	22.8	8.1	30.9	6.5		89.9	4.2	5.6									

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-03	Mid-Flood	SR10B(N2)	Cloudy	Moderate	2:58	5.8	Surface	1st	22.8	8.1	31.4	6.3	6.3	88.1	4.7	4.6	2.5	3.3	
							Surface	2nd	22.8	8.1	31.4	6.3							
							Middle	1st	-	-	-	-	6.4	89.3	4.8				-
							Middle	2nd	-	-	-	-							
							Bottom	1st	22.8	8.1	31.5	6.4	89.0	4.5	-				
							Bottom	2nd	22.8	8.1	31.5	6.4							
2018-12-03	Mid-Flood	CSA	Fine	Moderate	2:14	33.0	Surface	1st	23.2	7.9	29.9	6.5	6.5	90.7	7.7	7.5	4.8	5.2	
							Surface	2nd	23.3	7.9	30.1	6.4							
							Middle	1st	23.2	7.9	29.9	6.5	6.5	90.6	7.6				-
							Middle	2nd	23.3	7.9	30.1	6.4							
							Bottom	1st	23.2	7.9	29.9	6.5	88.5	7.2	-				
							Bottom	2nd	23.3	7.9	30.1	6.4							
2018-12-03	Mid-Flood	CS6	Fine	Moderate	2:19	9.7	Surface	1st	23.2	8.0	29.8	6.5	6.4	90.6	7.3	6.9	5.3	5.5	
							Surface	2nd	23.3	8.0	30.0	6.4							
							Middle	1st	23.2	8.0	29.9	6.5	6.4	88.5	7.0				-
							Middle	2nd	23.3	8.0	30.2	6.3							
							Bottom	1st	23.2	8.0	30.0	6.5	90.6	6.6	-				
							Bottom	2nd	23.3	8.0	30.2	6.3							
2018-12-03	Mid-Flood	CS4	Fine	Moderate	3:12	16.4	Surface	1st	23.3	8.0	28.6	6.7	6.6	92.1	8.3	7.9	6.3	6.0	
							Surface	2nd	23.3	8.1	28.8	6.5							
							Middle	1st	23.2	8.0	29.0	6.7	6.6	89.9	7.4				-
							Middle	2nd	23.3	8.1	29.2	6.5							
							Bottom	1st	23.2	8.0	29.4	6.7	92.2	8.3	-				
							Bottom	2nd	23.2	8.1	29.7	6.5							
2018-12-03	Mid-Flood	SR6	Fine	Moderate	3:41	4.4	Surface	1st	23.1	8.0	29.0	6.9	6.8	94.7	12.8	13.6	8.9	9.2	
							Surface	2nd	23.1	8.1	29.1	6.7							
							Middle	1st	-	-	-	-	6.8	92.3	12.7				-
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.1	8.0	29.4	6.9	93.0	14.3	-				
							Bottom	2nd	23.1	8.1	29.7	6.7							
2018-12-03	Mid-Flood	CS(Mf)3(N)	Fine	Moderate	3:24	7.3	Surface	1st	23.2	7.9	28.4	6.7	6.7	92.5	10.2	14.2	6.6	7.5	
							Surface	2nd	23.3	8.0	28.6	6.5							
							Middle	1st	23.2	7.9	28.6	6.8	6.7	90.2	10.2				-
							Middle	2nd	23.3	8.0	28.7	6.6							
							Bottom	1st	23.2	7.9	28.6	6.8	93.4	10.2	-				
							Bottom	2nd	23.2	8.0	28.8	6.6							
2018-12-03	Mid-Flood	SR5(N)	Fine	Moderate	2:55	9.2	Surface	1st	23.2	8.0	29.2	6.7	6.7	93.2	8.1	8.4	4.3	5.6	
							Surface	2nd	23.3	8.1	29.4	6.5							
							Middle	1st	23.2	8.0	29.6	6.8	6.8	90.8	7.5				-
							Middle	2nd	23.3	8.1	29.8	6.6							
							Bottom	1st	23.2	8.0	29.6	6.8	93.8	9.0	-				
							Bottom	2nd	23.3	8.1	29.8	6.6							
2018-12-03	Mid-Flood	IS10(N)	Fine	Moderate	2:50	12.6	Surface	1st	23.2	8.0	29.4	6.8	6.7	93.9	8.5	11.2	4.6	6.5	
							Surface	2nd	23.2	8.1	29.6	6.7							
							Middle	1st	23.2	8.0	29.7	6.8	6.7	92.5	8.4				-
							Middle	2nd	23.3	8.1	29.9	6.6							
							Bottom	1st	23.2	8.0	29.6	6.8	93.8	12.6	-				
							Bottom	2nd	23.3	8.1	29.9	6.6							
2018-12-03	Mid-Flood	IS(Mf)11	Fine	Moderate	2:45	11.2	Surface	1st	23.2	8.0	29.2	6.8	6.7	94.5	8.6	8.7	8.3	7.2	
							Surface	2nd	23.2	8.0	29.4	6.6							
							Middle	1st	23.2	8.0	29.2	6.8	6.8	92.1	8.9				-
							Middle	2nd	23.2	8.0	29.4	6.7							
							Bottom	1st	23.2	8.0	29.2	6.9	94.6	8.5	-				
							Bottom	2nd	23.2	8.0	29.4	6.7							
2018-12-03	Mid-Flood	CS(Mf)5	Cloudy	Moderate	3:27	12.1	Surface	1st	22.9	8.1	29.8	6.6	6.6	90.9	5.1	6.1	3.2	4.6	
							Surface	2nd	22.9	8.1	29.8	6.6							
							Middle	1st	22.8	8.1	30.0	6.5	6.4	91.0	4.7				-
							Middle	2nd	22.8	8.1	30.0	6.5							
							Bottom	1st	22.8	8.1	31.0	6.4	89.9	5.8	-				
							Bottom	2nd	22.8	8.1	31.0	6.3							
2018-12-03	Mid-Flood	SR7	Fine	Moderate	2:38	4.3	Surface	1st	23.2	8.0	29.4	6.7	6.6	92.8	9.1	9.3	5.5	5.8	
							Surface	2nd	23.2	8.0	29.5	6.5							
							Middle	1st	-	-	-	-	6.7	90.1	9.4				-
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.2	8.0	29.4	6.7	93.3	9.1	-				
							Bottom	2nd	23.2	8.0	29.6	6.6							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-03	Mid-Flood	IS17	Cloudy	Moderate	3:46	9.6	Surface	1st	23.0	8.1	29.7	6.7	6.6	92.2	5.4	6.0	5.9	5.5
							Surface	2nd	23.0	8.1	29.6	6.7						
							Middle	1st	22.9	8.1	29.9	6.5	90.2	6.3				
							Middle	2nd	22.9	8.1	29.9	6.5	90.3	6.1				
							Bottom	1st	22.8	8.1	30.0	6.5	6.5	90.1	6.7			
							Bottom	2nd	22.8	8.1	30.0	6.5						
2018-12-03	Mid-Flood	IS(Mf)16	Cloudy	Moderate	3:55	5.6	Surface	1st	22.8	8.1	29.5	6.7	6.7	92.4	5.3	5.5	6.6	5.4
							Surface	2nd	22.8	8.1	29.5	6.7						
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-	-	-				
							Bottom	1st	22.9	8.1	30.0	6.7	6.7	91.9	5.9			
							Bottom	2nd	22.9	8.1	30.0	6.6						
2018-12-03	Mid-Flood	IS8	Cloudy	Calm	4:19	3.5	Surface	1st	23.0	8.2	29.9	6.8	6.8	94.1	5.7	5.6	5.3	5.4
							Surface	2nd	23.0	8.1	29.9	6.8						
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-	-	-				
							Bottom	1st	23.0	8.2	29.9	6.8	6.8	94.3	5.7			
							Bottom	2nd	23.0	8.1	29.9	6.8						
2018-12-03	Mid-Flood	SR4(N)	Cloudy	Calm	4:13	4.1	Surface	1st	22.8	8.1	29.8	6.6	6.6	91.1	6.8	7.1	5.4	5.7
							Surface	2nd	22.8	8.1	29.8	6.6						
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-	-	-				
							Bottom	1st	22.8	8.2	29.8	6.6	6.6	91.3	7.7			
							Bottom	2nd	22.8	8.1	29.8	6.6						
2018-12-03	Mid-Flood	IS(Mf)9	Cloudy	Calm	4:28	2.9	Surface	1st	-	-	-	-	6.7	-	-	5.0	-	7.3
							Surface	2nd	-	-	-	-						
							Middle	1st	23.0	8.2	30.0	6.7	-	93.4	5.1			
							Middle	2nd	23.0	8.1	30.0	6.7						
							Bottom	1st	-	-	-	-	-	-				
							Bottom	2nd	-	-	-	-	-	-				
2018-12-03	Mid-Flood	IS7	Cloudy	Calm	4:47	2.7	Surface	1st	-	-	-	-	6.8	-	-	5.0	-	4.0
							Surface	2nd	-	-	-	-						
							Middle	1st	22.9	8.2	30.0	6.8	-	94.6	5.1			
							Middle	2nd	22.9	8.1	30.0	6.8						
							Bottom	1st	-	-	-	-	-	-				
							Bottom	2nd	-	-	-	-	-	-				
2018-12-03	Mid-Flood	IS(Mf)6	Cloudy	Calm	4:58	2.4	Surface	1st	-	-	-	-	6.8	-	-	4.5	-	5.0
							Surface	2nd	-	-	-	-						
							Middle	1st	22.9	8.2	30.0	6.8	-	94.4	4.6			
							Middle	2nd	22.9	8.1	30.0	6.8						
							Bottom	1st	-	-	-	-	-	-				
							Bottom	2nd	-	-	-	-	-	-				
2018-12-03	Mid-Flood	IS5	Cloudy	Calm	5:06	9.0	Surface	1st	23.0	8.1	30.1	6.7	6.7	93.5	5.4	5.3	4.6	4.7
							Surface	2nd	23.0	8.1	30.1	6.8						
							Middle	1st	23.0	8.1	30.1	6.7	-	93.3	5.4			
							Middle	2nd	23.0	8.1	30.1	6.7						
							Bottom	1st	23.0	8.1	30.2	6.7	6.7	93.2	5.5			
							Bottom	2nd	23.0	8.1	30.2	6.7						
2018-12-03	Mid-Flood	SR3(N)	Cloudy	Calm	5:14	3.3	Surface	1st	23.0	8.1	30.2	6.7	6.7	93.3	5.7	5.6	4.3	3.9
							Surface	2nd	23.0	8.1	30.2	6.7						
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-	-	-				
							Bottom	1st	23.0	8.2	30.2	6.7	6.7	93.4	5.8			
							Bottom	2nd	23.0	8.1	30.2	6.7						
2018-12-05	Mid-Ebb	SR10A(N)	Cloudy	Moderate	12:04	11.2	Surface	1st	23.1	8.1	30.7	6.5	6.5	90.3	3.2	3.2	4.6	4.7
							Surface	2nd	23.5	8.1	29.8	6.5						
							Middle	1st	23.1	8.1	30.8	6.5	-	90.7	3.5			
							Middle	2nd	23.5	8.1	29.9	6.5						
							Bottom	1st	23.1	8.1	30.7	6.6	6.6	91.5	3.2			
							Bottom	2nd	23.5	8.1	29.8	6.6						
2018-12-05	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	12:00	5.9	Surface	1st	23.1	8.1	31.0	6.4	6.4	89.4	2.9	3.6	5.0	5.4
							Surface	2nd	23.4	8.1	30.1	6.4						
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-	-	-				
							Bottom	1st	23.1	8.1	31.0	6.5	6.5	90.8	3.9			
							Bottom	2nd	23.4	8.1	30.1	6.5						

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)		
2018-12-05	Mid-Ebb	CSA	Cloudy	Moderate	11:37	33.2	Surface	1st	23.7	8.1	29.5	6.7	6.5	93.7	6.2	6.7	5.8	4.9		
							Surface	2nd	23.7	8.1	29.7	6.7							87.2	6.7
							Middle	1st	23.4	8.1	31.0	6.2								
							Middle	2nd	23.4	8.1	31.2	6.2	6.2	87.5	6.6					
							Bottom	1st	23.4	8.1	31.1	6.2							87.2	7.0
							Bottom	2nd	23.4	8.1	31.3	6.2								
2018-12-05	Mid-Ebb	CS6	Cloudy	Moderate	11:29	9.6	Surface	1st	23.7	8.1	29.2	6.7	6.7	93.2	3.6	5.7	4.4	4.8		
							Surface	2nd	23.7	8.1	29.4	6.7							93.7	4.0
							Middle	1st	23.7	8.1	29.4	6.6								
							Middle	2nd	23.7	8.1	29.6	6.6	92.6	6.4						
							Bottom	1st	23.5	8.1	30.4	6.5			90.7				6.9	
							Bottom	2nd	23.5	8.1	30.6	6.5	90.7	6.9						
2018-12-05	Mid-Ebb	CS4	Cloudy	Moderate	10:30	16.1	Surface	1st	23.8	8.1	26.7	6.7	6.6	91.6	4.5	6.3	8.3	7.1		
							Surface	2nd	23.8	8.1	26.9	6.7							92.1	4.8
							Middle	1st	23.6	8.1	29.2	6.5								
							Middle	2nd	23.6	8.1	29.4	6.5	91.2	6.8						
							Bottom	1st	23.5	8.1	30.0	6.4			89.6				7.3	
							Bottom	2nd	23.5	8.1	30.2	6.4	89.6	7.3						
2018-12-05	Mid-Ebb	SR6	Cloudy	Moderate	10:02	4.3	Surface	1st	23.6	8.0	28.3	6.9	6.9	95.3	5.8	7.6	8.0	7.6		
							Surface	2nd	23.6	8.0	28.5	6.9							95.8	5.6
							Middle	1st	-	-	-	-								
							Middle	2nd	-	-	-	-	95.5	9.2						
							Bottom	1st	23.4	8.1	29.1	6.8			92.5				6.4	
							Bottom	2nd	23.4	8.1	29.3	6.9	92.5	6.4						
2018-12-05	Mid-Ebb	CS(Mf)3(N)	Cloudy	Moderate	10:16	7.0	Surface	1st	23.7	8.1	26.8	6.7	6.7	92.5	6.4	11.5	8.4	8.0		
							Surface	2nd	23.7	8.1	27.0	6.7							92.9	6.8
							Middle	1st	23.6	8.1	27.9	6.7								
							Middle	2nd	23.6	8.1	28.1	6.8	93.3	9.8						
							Bottom	1st	23.6	8.1	29.0	6.8			93.8				9.4	
							Bottom	2nd	23.6	8.1	29.2	6.8	93.9	18.4						
2018-12-05	Mid-Ebb	SR5(N)	Cloudy	Moderate	10:50	9.1	Surface	1st	23.8	8.1	28.0	6.8	6.7	93.9	4.7	7.3	5.7	5.1		
							Surface	2nd	23.9	8.1	28.2	6.8							94.5	5.0
							Middle	1st	23.6	8.1	28.8	6.6								
							Middle	2nd	23.7	8.1	29.0	6.6	91.9	7.6						
							Bottom	1st	23.5	8.1	29.9	6.4			89.3				9.3	
							Bottom	2nd	23.5	8.1	30.2	6.4	89.3	9.3						
2018-12-05	Mid-Ebb	IS10(N)	Cloudy	Moderate	10:55	12.2	Surface	1st	23.7	8.1	28.2	6.7	6.6	93.4	5.3	8.5	6.4	5.9		
							Surface	2nd	23.8	8.1	28.4	6.8							93.9	5.2
							Middle	1st	23.6	8.1	29.1	6.5								
							Middle	2nd	23.6	8.1	29.3	6.5	90.2	8.6						
							Bottom	1st	23.5	8.1	29.7	6.4			90.6				8.8	
							Bottom	2nd	23.5	8.1	29.9	6.4	89.5	11.2						
2018-12-05	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	11:00	11.4	Surface	1st	23.7	8.1	28.7	6.7	6.7	92.7	5.3	6.7	7.6	6.7		
							Surface	2nd	23.7	8.1	28.8	6.7							93.2	5.6
							Middle	1st	23.6	8.1	28.9	6.6								
							Middle	2nd	23.7	8.1	29.1	6.6	91.8	6.5						
							Bottom	1st	23.6	8.1	29.0	6.6			91.8				8.8	
							Bottom	2nd	23.6	8.1	29.2	6.6	92.0	8.1						
2018-12-05	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	11:30	12.1	Surface	1st	23.3	8.1	29.7	6.5	6.5	90.6	4.1	4.0	3.7	3.6		
							Surface	2nd	23.6	8.1	28.9	6.6							91.7	4.0
							Middle	1st	23.1	8.1	30.8	6.3								
							Middle	2nd	23.4	8.1	29.9	6.4	88.3	4.3						
							Bottom	1st	23.1	8.1	30.8	6.4			88.9				4.1	
							Bottom	2nd	23.4	8.1	30.0	6.4	89.1	3.7						
2018-12-05	Mid-Ebb	SR7	Cloudy	Moderate	11:09	4.1	Surface	1st	23.6	8.1	28.8	6.6	6.6	91.8	5.9	7.7	3.5	5.1		
							Surface	2nd	23.7	8.1	29.0	6.6							92.2	5.0
							Middle	1st	-	-	-	-								
							Middle	2nd	-	-	-	-	92.1	10.0						
							Bottom	1st	23.6	8.1	28.9	6.6			92.1				10.0	
							Bottom	2nd	23.6	8.1	29.1	6.6	92.1	10.0						
2018-12-05	Mid-Ebb	IS17	Cloudy	Moderate	11:09	7.9	Surface	1st	23.2	8.1	29.8	6.4	6.4	88.7	6.0	5.8	2.9	3.7		
							Surface	2nd	23.5	8.1	28.9	6.4							89.6	6.0
							Middle	1st	23.2	8.1	30.2	6.4								
							Middle	2nd	23.5	8.1	29.3	6.4	89.1	5.5						
							Bottom	1st	23.2	8.1	30.2	6.4			88.6				5.7	
							Bottom	2nd	23.5	8.1	29.4	6.4	89.2	5.9						

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-05	Mid-Ebb	IS(Mf)16	Cloudy	Moderate	11:01	5.5	Surface	1st	23.3	8.1	29.0	6.6	6.6	91.1	5.9	5.6	5.0	6.3	
							Surface	2nd	23.6	8.1	28.2	6.6							
							Middle	1st	-	-	-	-	6.6	91.2	5.2				7.6
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.3	8.1	29.2	6.6	6.4	91.9	5.2				7.8
							Bottom	2nd	23.6	8.1	28.5	6.6							
2018-12-05	Mid-Ebb	IS8	Cloudy	Moderate	10:39	3.7	Surface	1st	23.3	8.1	29.0	6.6	6.7	91.8	6.2	6.3	3.1	4.1	
							Surface	2nd	23.7	8.1	28.2	6.7							
							Middle	1st	-	-	-	-	6.8	93.6	6.0				5.0
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.3	8.1	29.1	6.8	6.7	94.0	6.6				4.9
							Bottom	2nd	23.7	8.1	28.2	6.8							
2018-12-05	Mid-Ebb	SR4(N)	Cloudy	Moderate	10:46	3.5	Surface	1st	23.4	8.1	29.2	6.7	6.7	92.8	4.2	4.4	3.0	3.2	
							Surface	2nd	23.8	8.1	28.4	6.7							
							Middle	1st	-	-	-	-	6.7	93.4	4.7				3.1
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.5	8.1	29.3	6.7	6.7	93.9	4.6				3.5
							Bottom	2nd	23.8	8.1	28.5	6.7							
2018-12-05	Mid-Ebb	IS(Mf)9	Cloudy	Moderate	10:31	3.3	Surface	1st	23.4	8.1	29.2	6.7	6.7	92.8	5.6	6.0	6.7	6.5	
							Surface	2nd	23.7	8.1	28.4	6.7							
							Middle	1st	-	-	-	-	6.8	93.1	6.1				6.6
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.4	8.1	29.2	6.7	6.8	93.8	6.3				6.5
							Bottom	2nd	23.7	8.1	28.4	6.8							
2018-12-05	Mid-Ebb	IS7	Cloudy	Moderate	10:24	2.9	Surface	1st	-	-	-	-	6.8	-	-	5.5	-	3.5	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.4	8.1	29.2	6.8	-	93.8	5.2				3.5
							Middle	2nd	23.8	8.1	28.4	6.8							
							Bottom	1st	-	-	-	-	-	-	-				-
							Bottom	2nd	-	-	-	-							
2018-12-05	Mid-Ebb	IS(Mf)6	Cloudy	Moderate	10:14	2.9	Surface	1st	-	-	-	-	6.8	-	-	5.2	-	3.0	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.6	8.1	29.4	6.7	-	93.8	5.2				2.7
							Middle	2nd	23.9	8.1	28.6	6.8							
							Bottom	1st	-	-	-	-	-	94.5	5.2				3.3
							Bottom	2nd	-	-	-	-							
2018-12-05	Mid-Ebb	IS5	Cloudy	Moderate	10:09	10.1	Surface	1st	23.5	8.1	29.4	6.6	6.7	92.4	4.2	5.0	2.9	3.6	
							Surface	2nd	23.9	8.1	28.6	6.7							
							Middle	1st	23.5	8.1	29.4	6.6	6.6	92.0	4.8				3.0
							Middle	2nd	23.9	8.1	28.6	6.7							
							Bottom	1st	23.5	8.1	29.4	6.6	6.6	92.4	5.7				4.7
							Bottom	2nd	23.9	8.1	28.6	6.6							
2018-12-05	Mid-Ebb	SR3(N)	Cloudy	Calm	10:02	4.1	Surface	1st	23.5	8.1	29.4	6.7	6.7	93.2	5.3	8.3	4.9	4.8	
							Surface	2nd	23.9	8.1	28.6	6.7							
							Middle	1st	-	-	-	-	6.8	94.0	5.6				4.6
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.6	8.1	29.4	6.7	6.8	93.5	10.9				4.9
							Bottom	2nd	23.9	8.1	28.6	6.8							
2018-12-05	Mid-Flood	SR10A(N)	Cloudy	Calm	4:58	11.6	Surface	1st	23.2	8.0	30.1	6.8	6.8	94.0	4.3	4.5	5.1	5.7	
							Surface	2nd	23.5	7.9	29.2	6.8							
							Middle	1st	23.2	8.0	30.0	6.8	6.9	94.6	4.3				5.8
							Middle	2nd	23.5	7.8	29.1	6.9							
							Bottom	1st	23.3	7.9	29.3	6.9	6.9	95.3	4.7				5.5
							Bottom	2nd	23.6	7.7	28.4	6.9							
2018-12-05	Mid-Flood	SR10B(N2)	Cloudy	Moderate	5:03	5.5	Surface	1st	23.0	8.1	31.2	6.3	6.4	88.1	6.7	6.1	5.9	5.8	
							Surface	2nd	23.4	8.1	30.3	6.4							
							Middle	1st	-	-	-	-	6.4	88.7	5.6				5.9
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.0	8.1	31.2	6.4	6.4	89.2	6.7				5.8
							Bottom	2nd	23.4	8.1	30.3	6.4							
2018-12-05	Mid-Flood	CSA	Fine	Moderate	5:17	32.9	Surface	1st	23.6	7.9	29.0	6.6	6.5	92.1	5.8	7.0	7.1	6.6	
							Surface	2nd	23.6	7.9	29.2	6.5							
							Middle	1st	23.6	7.9	29.3	6.5	6.5	90.5	5.2				7.7
							Middle	2nd	23.6	7.9	29.5	6.4							
							Bottom	1st	23.6	7.8	29.4	6.5	6.5	91.3	7.6				6.2
							Bottom	2nd	23.6	7.8	29.6	6.4							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-05	Mid-Flood	CS6	Fine	Moderate	5:29	9.2	Surface	1st	23.6	8.0	28.8	6.6	6.6	91.8	4.6	7.7	6.9	5.7	
							Surface	2nd	23.6	8.0	29.1	6.6							
							Middle	1st	23.6	8.0	29.1	6.5	6.5	89.9	10.8				5.7
							Middle	2nd	23.6	8.0	29.3	6.6							
							Bottom	1st	23.6	8.0	29.6	6.4	6.5	90.4	10.4				5.3
							Bottom	2nd	23.6	8.0	29.8	6.5							
2018-12-05	Mid-Flood	CS4	Fine	Moderate	6:27	16.3	Surface	1st	23.7	8.0	27.8	6.6	6.6	91.2	5.4	12.4	11.5	11.6	
							Surface	2nd	23.7	8.0	28.0	6.6							
							Middle	1st	23.6	8.1	28.9	6.5	6.4	88.4	24.2				11.9
							Middle	2nd	23.6	8.1	29.1	6.5							
							Bottom	1st	23.5	8.1	29.9	6.3	6.4	88.8	23.9				11.4
							Bottom	2nd	23.5	8.1	30.1	6.4							
2018-12-05	Mid-Flood	SR6	Fine	Moderate	6:59	4.4	Surface	1st	23.6	8.1	27.9	6.7	6.7	92.8	9.4	12.5	9.3	8.8	
							Surface	2nd	23.6	8.1	28.1	6.7							
							Middle	1st	-	-	-	-	6.7	93.1	15.8				8.1
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.6	8.1	28.6	6.7	6.7	93.7	15.5				8.2
							Bottom	2nd	23.6	8.1	28.8	6.7							
2018-12-05	Mid-Flood	CS(Mf)3(N)	Fine	Moderate	6:40	7.1	Surface	1st	23.7	8.1	26.5	6.6	6.6	90.0	9.2	12.4	6.6	6.9	
							Surface	2nd	23.7	8.1	26.6	6.6							
							Middle	1st	23.7	8.0	26.8	6.6	6.6	90.3	13.2				6.2
							Middle	2nd	23.7	8.0	27.0	6.6							
							Bottom	1st	23.7	8.1	27.1	6.6	6.6	90.5	14.5				7.5
							Bottom	2nd	23.7	8.1	27.3	6.6							
2018-12-05	Mid-Flood	SR5(N)	Fine	Moderate	6:10	9.4	Surface	1st	23.6	8.1	28.6	6.6	6.6	91.6	13.9	15.9	14.2	14.4	
							Surface	2nd	23.6	8.1	28.8	6.6							
							Middle	1st	23.6	8.1	28.6	6.6	6.6	92.1	13.8				14.1
							Middle	2nd	23.6	8.1	28.8	6.6							
							Bottom	1st	23.6	8.1	28.7	6.6	6.6	91.4	14.3				14.2
							Bottom	2nd	23.6	8.1	28.8	6.6							
2018-12-05	Mid-Flood	IS10(N)	Fine	Moderate	6:05	11.9	Surface	1st	23.6	8.0	28.3	6.7	6.7	92.3	7.0	11.6	6.5	6.1	
							Surface	2nd	23.7	8.0	28.5	6.7							
							Middle	1st	23.6	8.1	28.6	6.6	6.6	91.6	12.8				6.1
							Middle	2nd	23.7	8.1	28.8	6.6							
							Bottom	1st	23.6	8.1	28.8	6.6	6.6	92.0	12.7				6.0
							Bottom	2nd	23.6	8.1	28.8	6.6							
2018-12-05	Mid-Flood	IS(Mf)11	Fine	Moderate	5:59	11.2	Surface	1st	23.7	8.0	28.2	6.7	6.7	92.7	5.5	10.0	5.8	5.8	
							Surface	2nd	23.7	8.0	28.4	6.7							
							Middle	1st	23.7	8.0	28.4	6.7	6.7	93.2	5.7				5.1
							Middle	2nd	23.7	8.0	28.6	6.7							
							Bottom	1st	23.7	8.0	28.6	6.6	6.7	92.5	7.8				6.1
							Bottom	2nd	23.7	8.0	28.8	6.7							
2018-12-05	Mid-Flood	CS(Mf)5	Cloudy	Moderate	5:30	12.2	Surface	1st	23.3	8.1	29.2	6.5	6.5	90.5	4.9	7.0	4.0	4.5	
							Surface	2nd	23.6	8.1	28.4	6.6							
							Middle	1st	23.1	8.1	30.2	6.3	6.3	91.6	4.1				3.9
							Middle	2nd	23.5	8.1	29.4	6.4							
							Bottom	1st	23.1	8.1	30.8	6.3	6.3	88.0	7.3				4.0
							Bottom	2nd	23.4	8.1	29.9	6.3							
2018-12-05	Mid-Flood	SR7	Fine	Moderate	5:50	4.3	Surface	1st	23.6	8.0	28.7	6.6	6.6	91.0	12.8	13.7	16.5	17.1	
							Surface	2nd	23.6	8.0	28.9	6.6							
							Middle	1st	-	-	-	-	6.5	91.6	13.0				15.7
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.6	8.0	28.7	6.5	6.5	90.6	14.8				18.1
							Bottom	2nd	23.6	8.0	28.9	6.5							
2018-12-05	Mid-Flood	IS17	Cloudy	Moderate	5:47	7.7	Surface	1st	23.3	8.1	28.8	6.6	6.7	91.9	6.3	6.2	6.1	5.0	
							Surface	2nd	23.6	8.1	28.0	6.7							
							Middle	1st	23.3	8.1	28.8	6.6	6.7	92.7	5.3				6.3
							Middle	2nd	23.6	8.1	28.8	6.6							
							Bottom	1st	23.6	8.1	28.0	6.7	6.7	91.8	7.1				4.4
							Bottom	2nd	23.3	8.1	28.8	6.7							
2018-12-05	Mid-Flood	IS(Mf)16	Cloudy	Moderate	5:55	5.8	Surface	1st	23.6	8.1	28.9	6.6	6.6	92.6	6.1	8.5	3.5	4.3	
							Surface	2nd	23.6	8.1	28.1	6.6							
							Middle	1st	-	-	-	-	6.7	91.1	8.2				3.5
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.3	8.1	29.2	6.6	6.7	91.8	8.3				3.8
							Bottom	2nd	23.6	8.1	28.4	6.7							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-05	Mid-Flood	IS8	Cloudy	Moderate	6:15	4.3	Surface	1st	23.4	8.1	29.2	6.7	6.7	92.3	4.6	4.7	5.0	5.3	
							Surface	2nd	23.7	8.1	28.3	6.7							
							Middle	1st	-	-	-	-	6.8	93.8	4.8				5.5
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.3	8.1	29.4	6.8	94.6	4.6	5.2				
							Bottom	2nd	23.6	8.1	28.5	6.8							
2018-12-05	Mid-Flood	SR4(N)	Cloudy	Moderate	6:09	4.5	Surface	1st	23.2	8.1	29.2	6.6	6.6	91.4	6.1	6.2	3.9	4.4	
							Surface	2nd	23.6	8.1	28.3	6.6							
							Middle	1st	-	-	-	-	6.8	93.3	6.7				4.5
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.2	8.1	29.3	6.7	93.8	6.1	5.0				
							Bottom	2nd	23.5	8.1	28.4	6.8							
2018-12-05	Mid-Flood	IS(Mf)9	Cloudy	Moderate	6:27	2.9	Surface	1st	-	-	-	-	6.6	-	-	6.7	-	4.3	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.3	8.1	29.2	6.6	-	91.3	6.6				4.0
							Middle	2nd	23.6	8.1	28.3	6.6							
							Bottom	1st	-	-	-	-	-	-	-				4.6
							Bottom	2nd	-	-	-	-							
2018-12-05	Mid-Flood	IS7	Cloudy	Moderate	6:27	2.7	Surface	1st	-	-	-	-	6.7	-	-	4.0	-	6.3	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.4	8.1	29.4	6.7	-	92.8	4.1				6.0
							Middle	2nd	23.7	8.1	28.5	6.7							
							Bottom	1st	-	-	-	-	-	-	-				6.6
							Bottom	2nd	-	-	-	-							
2018-12-05	Mid-Flood	IS(Mf)6	Cloudy	Moderate	6:34	2.8	Surface	1st	-	-	-	-	6.7	-	-	4.1	-	6.7	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.4	8.1	29.4	6.7	-	92.8	4.2				6.9
							Middle	2nd	23.8	8.1	28.6	6.7							
							Bottom	1st	-	-	-	-	-	-	-				6.5
							Bottom	2nd	-	-	-	-							
2018-12-05	Mid-Flood	IS5	Cloudy	Moderate	6:47	9.8	Surface	1st	23.4	8.1	29.4	6.7	6.7	92.6	4.3	4.6	4.9	3.8	
							Surface	2nd	23.8	8.1	28.5	6.7							
							Middle	1st	23.5	8.1	29.5	6.6	-	92.5	4.7				3.5
							Middle	2nd	23.8	8.1	28.7	6.7							
							Bottom	1st	23.5	8.1	29.5	6.7	6.7	93.0	4.8				3.1
							Bottom	2nd	23.8	8.1	28.7	6.7							
2018-12-05	Mid-Flood	SR3(N)	Cloudy	Moderate	6:54	4.2	Surface	1st	23.5	8.1	29.4	6.7	6.8	93.4	4.7	5.7	3.3	4.8	
							Surface	2nd	23.8	8.1	28.6	6.8							
							Middle	1st	-	-	-	-	-	-	-				3.6
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.5	8.1	29.4	6.8	6.8	94.8	6.6				6.2
							Bottom	2nd	23.8	8.1	28.6	6.8							
2018-12-07	Mid-Ebb	SR10A(N)	Cloudy	Moderate	13:21	13.5	Surface	1st	23.2	8.1	30.1	6.5	6.5	90.2	6.9	8.7	7.6	7.9	
							Surface	2nd	23.5	8.1	29.9	6.5							
							Middle	1st	23.2	8.1	30.4	6.4	-	89.7	9.8				7.2
							Middle	2nd	23.5	8.1	30.1	6.5							
							Bottom	1st	23.2	8.1	30.4	6.5	6.5	89.9	9.8				9.3
							Bottom	2nd	23.5	8.1	30.1	6.5							
2018-12-07	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	13:26	5.7	Surface	1st	23.1	8.1	31.1	6.4	6.4	88.8	8.6	8.9	10.0	9.8	
							Surface	2nd	23.4	8.0	30.8	6.4							
							Middle	1st	-	-	-	-	-	-	-				9.9
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.1	8.1	31.1	6.6	6.6	91.7	9.1				10.0
							Bottom	2nd	23.4	8.0	30.8	6.6							
2018-12-07	Mid-Ebb	CSA	Cloudy	Moderate	12:59	32.5	Surface	1st	23.6	8.1	28.6	6.7	6.7	92.4	5.4	6.0	6.2	5.3	
							Surface	2nd	23.6	8.1	29.3	6.7							
							Middle	1st	23.5	8.1	28.8	6.6	-	92.0	5.6				4.7
							Middle	2nd	23.6	8.1	29.5	6.6							
							Bottom	1st	23.5	8.1	29.2	6.6	6.6	91.4	6.9				4.8
							Bottom	2nd	23.6	8.1	29.9	6.6							
2018-12-07	Mid-Ebb	CS6	Cloudy	Moderate	12:51	9.6	Surface	1st	23.6	8.1	28.5	6.6	6.6	91.5	5.1	10.1	5.8	6.0	
							Surface	2nd	23.6	8.1	29.3	6.6							
							Middle	1st	23.6	8.1	28.7	6.6	-	91.3	6.3				6.3
							Middle	2nd	23.6	8.1	29.5	6.6							
							Bottom	1st	23.6	8.1	29.4	6.5	6.5	90.7	17.2				6.1
							Bottom	2nd	23.6	8.1	30.1	6.5							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-07	Mid-Ebb	CS4	Rainy	Moderate	11:55	17.2	Surface	1st	23.6	8.1	27.6	6.6	6.6	90.7	5.4	10.7	9.0	10.1
							Surface	2nd	23.6	8.1	28.4	6.6						
							Middle	1st	23.6	8.1	28.4	6.5	6.5	90.6	8.8			
							Middle	2nd	23.6	8.1	29.1	6.5						
							Bottom	1st	23.5	8.1	29.0	6.5	90.7	17.1				
							Bottom	2nd	23.6	8.1	29.8	6.5						
2018-12-07	Mid-Ebb	SR6	Rainy	Moderate	11:27	4.5	Surface	1st	23.4	8.1	28.3	6.8	6.8	93.4	12.7	16.0	16.8	16.1
							Surface	2nd	23.4	8.1	29.0	6.8						
							Middle	1st	-	-	-	-	6.8	93.5	19.4			
							Middle	2nd	-	-	-	-						
							Bottom	1st	23.4	8.1	28.4	6.8	93.8	19.3				
							Bottom	2nd	23.4	8.1	29.2	6.8						
2018-12-07	Mid-Ebb	CS(Mf)3(N)	Rainy	Moderate	11:41	7.2	Surface	1st	23.6	8.1	26.6	6.4	6.5	88.3	14.2	17.1	11.4	13.1
							Surface	2nd	23.6	8.1	27.3	6.4						
							Middle	1st	23.5	8.1	26.6	6.5	6.5	88.6	14.7			
							Middle	2nd	23.6	8.1	27.3	6.5						
							Bottom	1st	23.5	8.1	26.6	6.5	88.9	20.4				
							Bottom	2nd	23.6	8.1	27.3	6.5						
2018-12-07	Mid-Ebb	SR5(N)	Rainy	Moderate	12:13	9.3	Surface	1st	23.5	8.1	28.9	6.7	6.7	92.6	13.0	16.6	7.1	6.8
							Surface	2nd	23.5	8.1	29.6	6.7						
							Middle	1st	23.5	8.1	28.9	6.7	6.6	92.5	20.5			
							Middle	2nd	23.5	8.1	29.6	6.6						
							Bottom	1st	23.5	8.1	28.9	6.6	92.2	20.8				
							Bottom	2nd	23.5	8.1	29.6	6.6						
2018-12-07	Mid-Ebb	IS10(N)	Rainy	Moderate	12:19	12.6	Surface	1st	23.5	8.1	28.5	6.6	6.6	92.1	7.0	10.4	8.1	8.7
							Surface	2nd	23.6	8.1	29.3	6.6						
							Middle	1st	23.5	8.1	28.7	6.6	6.6	92.5	10.6			
							Middle	2nd	23.5	8.1	29.5	6.6						
							Bottom	1st	23.5	8.1	28.8	6.6	92.1	13.4				
							Bottom	2nd	23.5	8.1	29.6	6.6						
2018-12-07	Mid-Ebb	IS(Mf)11	Rainy	Moderate	12:23	11.3	Surface	1st	23.5	8.1	28.5	6.7	6.6	92.2	8.4	9.1	7.7	7.4
							Surface	2nd	23.6	8.1	29.3	6.6						
							Middle	1st	23.6	8.1	28.7	6.6	6.6	92.1	9.3			
							Middle	2nd	23.6	8.1	29.5	6.6						
							Bottom	1st	23.5	8.1	28.7	6.6	92.5	9.1				
							Bottom	2nd	23.5	8.1	28.7	6.6						
2018-12-07	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	12:52	12.5	Surface	1st	23.2	8.2	29.8	6.6	6.6	91.7	7.1	9.6	5.9	6.2
							Surface	2nd	23.5	8.1	29.6	6.6						
							Middle	1st	23.2	8.2	30.2	6.6	6.6	91.3	10.1			
							Middle	2nd	23.5	8.1	29.9	6.6						
							Bottom	1st	23.2	8.2	30.1	6.6	92.1	11.4				
							Bottom	2nd	23.5	8.1	29.8	6.6						
2018-12-07	Mid-Ebb	SR7	Rainy	Moderate	12:31	4.4	Surface	1st	23.5	8.1	28.4	6.6	6.6	91.9	8.8	12.6	7.0	6.6
							Surface	2nd	23.6	8.1	29.2	6.6						
							Middle	1st	-	-	-	-	6.7	92.3	17.0			
							Middle	2nd	-	-	-	-						
							Bottom	1st	23.5	8.1	28.8	6.7	92.5	16.3				
							Bottom	2nd	23.5	8.1	29.6	6.6						
2018-12-07	Mid-Ebb	IS17	Rainy	Moderate	12:33	9.8	Surface	1st	23.2	8.1	29.5	6.7	6.7	92.6	7.6	7.8	8.1	9.4
							Surface	2nd	23.5	8.1	29.2	6.7						
							Middle	1st	23.2	8.1	29.7	6.7	6.9	93.2	7.3			
							Middle	2nd	23.5	8.1	29.4	6.7						
							Bottom	1st	23.2	8.1	29.7	6.9	93.4	8.2				
							Bottom	2nd	23.5	8.1	29.4	6.8						
2018-12-07	Mid-Ebb	IS(Mf)16	Rainy	Moderate	12:26	5.5	Surface	1st	23.2	8.1	29.6	6.7	6.7	93.1	8.2	8.2	10.0	9.4
							Surface	2nd	23.5	8.1	29.3	6.7						
							Middle	1st	-	-	-	-	6.9	93.4	8.1			
							Middle	2nd	-	-	-	-						
							Bottom	1st	23.2	8.1	29.6	6.9	95.3	8.2				
							Bottom	2nd	23.5	8.1	29.4	6.8						
2018-12-07	Mid-Ebb	IS8	Rainy	Calm	12:05	4.0	Surface	1st	23.1	8.2	29.4	6.6	6.6	91.0	7.5	8.0	6.6	6.1
							Surface	2nd	23.5	8.1	29.1	6.6						
							Middle	1st	-	-	-	-	6.6	91.5	7.7			
							Middle	2nd	-	-	-	-						
							Bottom	1st	23.2	8.2	29.5	6.6	91.3	8.5				
							Bottom	2nd	23.5	8.1	29.3	6.6						

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-07	Mid-Ebb	SR4(N)	Rainy	Calm	12:10	4.3	Surface	1st	23.1	8.2	29.5	6.7	6.7	93.0	6.0	6.6	6.3	8.5	
							Surface	2nd	23.4	8.1	29.2	6.7							
							Middle	1st	-	-	-	-	6.9	95.9	6.9				10.4
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.1	8.2	29.6	6.9	6.9	95.9	7.0				10.3
							Bottom	2nd	23.4	8.1	29.3	6.9							
2018-12-07	Mid-Ebb	IS(Mf)9	Rainy	Calm	11:58	2.9	Surface	1st	-	-	-	-	6.8	-	-	9.1	-	6.2	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.2	8.2	29.6	6.8	-	-	-				6.0
							Middle	2nd	23.5	8.1	29.3	6.8							
							Bottom	1st	-	-	-	-	-	-	-				-
							Bottom	2nd	-	-	-	-							
2018-12-07	Mid-Ebb	IS7	Rainy	Calm	11:50	2.5	Surface	1st	-	-	-	-	7.0	-	-	7.4	-	6.9	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.2	8.2	29.5	7.0	-	-	-				6.9
							Middle	2nd	23.5	8.1	29.3	7.0							
							Bottom	1st	-	-	-	-	-	-	-				-
							Bottom	2nd	-	-	-	-							
2018-12-07	Mid-Ebb	IS(Mf)6	Rainy	Calm	11:42	2.3	Surface	1st	-	-	-	-	6.7	-	-	6.3	-	7.5	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.2	8.1	29.5	6.7	-	-	-				7.3
							Middle	2nd	23.5	8.1	29.2	6.7							
							Bottom	1st	-	-	-	-	-	-	-				-
							Bottom	2nd	-	-	-	-							
2018-12-07	Mid-Ebb	IS5	Rainy	Calm	11:35	7.4	Surface	1st	23.3	8.2	29.6	6.7	6.8	93.4	6.3	8.7	9.4	8.1	
							Surface	2nd	23.6	8.1	29.3	6.7							
							Middle	1st	23.2	8.2	29.7	6.8	7.0	96.5	13.7				7.5
							Middle	2nd	23.5	8.1	29.4	6.8							
							Bottom	1st	23.2	8.2	29.7	7.0	7.0	96.4	12.9				7.2
							Bottom	2nd	23.5	8.1	29.4	6.9							
2018-12-07	Mid-Ebb	SR3(N)	Rainy	Calm	11:28	4.4	Surface	1st	23.2	8.2	29.7	6.7	6.7	93.2	7.3	7.7	7.8	8.0	
							Surface	2nd	23.5	8.1	29.4	6.7							
							Middle	1st	-	-	-	-	6.8	94.1	8.0				8.5
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.2	8.2	29.7	6.8	6.8	94.6	8.1				8.3
							Bottom	2nd	23.5	8.1	29.4	6.8							
2018-12-07	Mid-Flood	SR10A(N)	Rainy	Moderate	6:25	11.5	Surface	1st	23.1	8.2	31.0	6.4	6.5	89.6	5.0	5.7	8.3	8.1	
							Surface	2nd	23.4	8.1	30.7	6.4							
							Middle	1st	23.1	8.2	31.2	6.5	6.7	93.9	6.7				7.7
							Middle	2nd	23.4	8.1	30.9	6.5							
							Bottom	1st	23.0	8.2	31.2	6.7	6.7	93.9	6.7				7.7
							Bottom	2nd	23.3	8.1	30.9	6.7							
2018-12-07	Mid-Flood	SR10B(N2)	Rainy	Moderate	6:34	6.3	Surface	1st	23.1	8.2	31.2	6.4	6.5	89.7	5.4	5.9	7.7	6.7	
							Surface	2nd	23.4	8.1	30.9	6.4							
							Middle	1st	23.0	8.2	31.2	6.5	6.7	90.9	5.6				6.7
							Middle	2nd	23.4	8.1	30.9	6.5							
							Bottom	1st	23.0	8.2	31.2	6.7	6.7	93.2	6.7				5.8
							Bottom	2nd	23.4	8.1	30.9	6.7							
2018-12-07	Mid-Flood	CSA	Rainy	Moderate	6:56	33.0	Surface	1st	23.4	8.2	29.7	6.5	6.4	90.5	6.6	12.0	8.4	7.9	
							Surface	2nd	23.4	8.2	30.5	6.5							
							Middle	1st	23.4	8.2	30.4	6.3	6.3	88.6	19.1				7.5
							Middle	2nd	23.4	8.2	31.2	6.3							
							Bottom	1st	23.4	8.2	30.5	6.3	6.3	88.8	19.4				7.8
							Bottom	2nd	23.4	8.2	31.2	6.3							
2018-12-07	Mid-Flood	CS6	Rainy	Moderate	7:06	9.6	Surface	1st	23.4	8.2	29.5	6.5	6.5	90.6	3.2	5.4	5.9	6.7	
							Surface	2nd	23.5	8.2	29.9	6.6							
							Middle	1st	23.4	8.2	30.5	6.3	6.3	88.7	6.2				6.2
							Middle	2nd	23.5	8.2	30.2	6.5							
							Bottom	1st	23.4	8.2	31.3	6.3	6.3	89.0	6.8				7.3
							Bottom	2nd	23.4	8.2	31.3	6.3							
2018-12-07	Mid-Flood	CS4	Rainy	Moderate	8:04	17.4	Surface	1st	23.5	8.2	27.6	6.6	6.7	91.3	9.3	10.8	10.2	9.4	
							Surface	2nd	23.5	8.2	28.3	6.6							
							Middle	1st	23.5	8.2	28.7	6.7	6.6	92.3	8.9				8.8
							Middle	2nd	23.5	8.2	29.5	6.7							
							Bottom	1st	23.4	8.2	29.0	6.6	6.6	92.2	14.5				8.9
							Bottom	2nd	23.5	8.2	29.8	6.6							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-07	Mid-Flood	SR6	Rainy	Moderate	8:39	4.4	Surface	1st	23.2	8.2	28.9	7.0	7.0	96.2	9.9	13.6	24.1	23.9
							Surface	2nd	23.3	8.2	29.6	7.0						
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			-			
							Bottom	1st	23.3	8.2	29.0	6.9	6.9	95.8				
							Bottom	2nd	23.3	8.2	29.7	6.9			96.1			
2018-12-07	Mid-Flood	CS(Mf)3(N)	Rainy	Moderate	8:18	7.3	Surface	1st	23.4	8.1	27.2	6.7	6.7	91.8		7.8	9.3	24.3
							Surface	2nd	23.5	8.1	27.9	6.7			92.0			
							Middle	1st	23.4	8.2	27.6	6.8	93.0	8.8				
							Middle	2nd	23.5	8.2	28.3	6.7			93.3	8.6		
							Bottom	1st	23.4	8.2	28.8	6.8	6.8	94.3				
							Bottom	2nd	23.4	8.2	29.5	6.8			94.4	11.4		
2018-12-07	Mid-Flood	SR5(N)	Rainy	Moderate	7:47	9.2	Surface	1st	23.5	8.2	28.7	6.7	6.7	92.9			5.4	6.3
							Surface	2nd	23.5	8.2	29.5	6.7			93.3	5.3		
							Middle	1st	23.5	8.2	28.8	6.6	91.9	6.4				
							Middle	2nd	23.5	8.2	29.6	6.6			92.2	6.2		
							Bottom	1st	23.5	8.2	28.9	6.6	6.6	92.2			7.1	
							Bottom	2nd	23.5	8.2	29.7	6.6			92.4	7.1		
2018-12-07	Mid-Flood	IS10(N)	Rainy	Moderate	7:42	12.4	Surface	1st	23.5	8.2	28.2	6.7	6.7	92.0			6.1	6.7
							Surface	2nd	23.5	8.2	28.9	6.7			92.5	6.1		
							Middle	1st	23.5	8.1	28.7	6.6	91.9	6.2				
							Middle	2nd	23.5	8.1	29.4	6.6			92.3	6.7		
							Bottom	1st	23.5	8.1	28.8	6.7	6.7	92.5			7.3	
							Bottom	2nd	23.6	8.1	29.5	6.7			92.8	7.9		
2018-12-07	Mid-Flood	IS(Mf)11	Rainy	Moderate	7:33	11.6	Surface	1st	23.5	8.2	28.1	6.7	6.7	91.9			5.9	10.8
							Surface	2nd	23.5	8.2	28.8	6.7			92.3	5.4		
							Middle	1st	23.5	8.2	28.8	6.6	91.9	8.6				
							Middle	2nd	23.5	8.2	29.5	6.6			92.2	8.2		
							Bottom	1st	23.5	8.1	28.9	6.6	6.6	92.0			18.6	
							Bottom	2nd	23.5	8.1	29.7	6.6			92.1	18.3		
2018-12-07	Mid-Flood	CS(Mf)5	Cloudy	Moderate	7:02	12.7	Surface	1st	23.1	8.2	30.1	6.5	6.5	90.2			5.6	6.5
							Surface	2nd	23.4	8.1	29.8	6.5			91.0	5.9		
							Middle	1st	23.1	8.1	30.8	6.4	89.9	6.8				
							Middle	2nd	23.4	8.1	30.5	6.5			90.4	7.0		
							Bottom	1st	23.1	8.1	30.9	6.5	6.6	90.3			6.9	
							Bottom	2nd	23.4	8.1	30.6	6.6			91.7	7.0		
2018-12-07	Mid-Flood	SR7	Rainy	Moderate	7:25	4.5	Surface	1st	23.4	8.2	28.7	6.7	6.7	92.2			6.2	7.8
							Surface	2nd	23.5	8.2	29.5	6.6			92.5	6.0		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			-	-		
							Bottom	1st	23.5	8.1	28.8	6.7	6.7	92.6			9.6	
							Bottom	2nd	23.5	8.1	29.6	6.7			92.7	9.3		
2018-12-07	Mid-Flood	IS17	Cloudy	Moderate	7:21	10.2	Surface	1st	23.2	8.2	29.8	6.5	6.5	90.2			8.4	8.3
							Surface	2nd	23.5	8.1	29.5	6.5			90.9	8.2		
							Middle	1st	23.2	8.2	30.3	6.5	90.2	8.6				
							Middle	2nd	23.5	8.1	30.0	6.5			90.7	8.4		
							Bottom	1st	23.2	8.1	30.4	6.5	6.5	90.8			8.2	
							Bottom	2nd	23.5	8.1	30.1	6.5			91.4	8.2		
2018-12-07	Mid-Flood	IS(Mf)16	Cloudy	Calm	7:30	5.7	Surface	1st	23.1	8.1	29.5	6.6	6.6	91.6			8.3	9.7
							Surface	2nd	23.4	8.1	29.2	6.6			92.3	8.1		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			-	-		
							Bottom	1st	23.2	8.2	30.0	6.6	6.6	91.9			11.1	
							Bottom	2nd	23.5	8.1	29.7	6.6			92.2	11.2		
2018-12-07	Mid-Flood	IS8	Cloudy	Calm	7:52	4.5	Surface	1st	23.1	8.2	29.5	6.7	6.7	93.2			10.1	12.0
							Surface	2nd	23.4	8.1	29.2	6.7			93.4	10.1		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			-	-		
							Bottom	1st	23.1	8.2	29.5	6.9	6.9	96.0			13.8	
							Bottom	2nd	23.4	8.1	29.2	6.9			96.0	13.9		
2018-12-07	Mid-Flood	SR4(N)	Cloudy	Calm	7:45	4.3	Surface	1st	23.1	8.2	29.4	6.6	6.6	91.7			5.7	6.1
							Surface	2nd	23.4	8.1	29.1	6.6			91.9	6.0		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			-	-		
							Bottom	1st	23.1	8.2	29.4	6.8	6.8	94.4			6.2	
							Bottom	2nd	23.4	8.1	29.1	6.8			94.3	6.3		

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-07	Mid-Flood	IS(Mf)9	Rainy	Calm	7:59	4.3	Surface	1st	23.1	8.2	29.5	6.8	6.8	93.4	11.8	13.0	10.1	9.1	
							Surface	2nd	23.4	8.1	29.2	6.7							
							Middle	1st	-	-	-	-	6.9	95.9	14.4				8.1
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.1	8.2	29.6	6.9	6.9	95.8	14.3				8.9
							Bottom	2nd	23.4	8.1	29.3	6.9							
2018-12-07	Mid-Flood	IS7	Rainy	Calm	8:07	2.9	Surface	1st	-	-	-	-	6.9	-	-	6.1	-	5.6	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.0	8.2	29.4	6.9	-	-	-				5.2
							Middle	2nd	23.3	8.1	29.2	6.8							
							Bottom	1st	-	-	-	-	-	-	-				-
							Bottom	2nd	-	-	-	-							
2018-12-07	Mid-Flood	IS(Mf)6	Rainy	Calm	8:17	2.7	Surface	1st	-	-	-	-	6.8	-	-	8.8	-	5.3	
							Surface	2nd	-	-	-	-							
							Middle	1st	23.2	8.2	29.7	6.8	-	-	-				5.3
							Middle	2nd	23.5	8.1	29.5	6.8							
							Bottom	1st	-	-	-	-	-	-	-				5.3
							Bottom	2nd	-	-	-	-							
2018-12-07	Mid-Flood	IS5	Rainy	Calm	8:24	8.2	Surface	1st	23.2	8.2	29.8	6.7	6.7	92.4	7.5	7.9	6.3	7.0	
							Surface	2nd	23.5	8.1	29.6	6.7							
							Middle	1st	23.2	8.2	29.9	6.7	-	-	-				6.7
							Middle	2nd	23.5	8.1	29.6	6.7							
							Bottom	1st	23.2	8.2	29.9	6.8	6.8	93.8	8.2				7.2
							Bottom	2nd	23.5	8.1	29.6	6.7							
2018-12-07	Mid-Flood	SR3(N)	Rainy	Calm	8:31	4.3	Surface	1st	23.2	8.2	29.8	6.7	6.7	92.4	7.1	7.2	7.0	7.1	
							Surface	2nd	23.5	8.0	29.5	6.7							
							Middle	1st	-	-	-	-	-	-	-				7.4
							Middle	2nd	-	-	-	-							
							Bottom	1st	23.2	8.2	29.8	6.7	6.7	92.7	7.1				7.1
							Bottom	2nd	23.5	8.0	29.5	6.7							
2018-12-10	Mid-Ebb	SR10A(N)	Cloudy	Moderate	15:02	11.5	Surface	1st	22.3	8.2	32.4	6.7	6.8	93.5	5.9	6.5	9.5	11.4	
							Surface	2nd	22.3	8.2	31.6	6.8							
							Middle	1st	22.3	8.2	32.4	6.8	-	-	-				10.8
							Middle	2nd	22.3	8.2	31.6	6.8							
							Bottom	1st	22.3	8.2	32.4	6.9	6.9	95.4	6.8				13.7
							Bottom	2nd	22.2	8.2	31.6	6.9							
2018-12-10	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	15:08	6.8	Surface	1st	22.3	8.2	32.4	6.8	6.8	94.0	6.4	6.3	8.8	8.2	
							Surface	2nd	22.3	8.2	31.6	6.8							
							Middle	1st	22.3	8.2	32.4	6.8	-	-	-				8.1
							Middle	2nd	22.3	8.2	31.6	6.9							
							Bottom	1st	22.3	8.2	32.4	7.0	7.0	96.5	6.2				7.7
							Bottom	2nd	22.3	8.2	31.6	7.0							
2018-12-10	Mid-Ebb	CSA	Cloudy	Moderate	14:46	31.8	Surface	1st	22.4	8.1	32.2	6.7	6.7	93.1	7.8	8.3	5.3	6.8	
							Surface	2nd	22.4	8.1	32.2	6.7							
							Middle	1st	22.4	8.1	32.3	6.7	-	-	-				6.5
							Middle	2nd	22.4	8.1	32.3	6.7							
							Bottom	1st	22.4	8.1	32.4	6.8	6.8	94.3	8.6				8.5
							Bottom	2nd	22.4	8.1	32.4	6.8							
2018-12-10	Mid-Ebb	CS6	Cloudy	Moderate	14:36	9.6	Surface	1st	22.4	8.1	32.2	6.7	6.8	93.3	8.1	8.8	7.9	7.1	
							Surface	2nd	22.4	8.1	32.2	6.7							
							Middle	1st	22.4	8.1	32.3	6.8	-	-	-				8.2
							Middle	2nd	22.4	8.1	32.3	6.8							
							Bottom	1st	22.4	8.1	32.3	6.8	6.9	94.1	8.4				6.9
							Bottom	2nd	22.4	8.1	32.3	6.8							
2018-12-10	Mid-Ebb	CS4	Cloudy	Rough	13:43	17.9	Surface	1st	21.9	8.0	31.2	6.9	6.9	94.0	9.0	11.4	7.0	7.8	
							Surface	2nd	21.9	8.0	31.2	6.9							
							Middle	1st	22.1	8.0	31.4	6.8	-	-	-				7.5
							Middle	2nd	22.1	8.0	31.4	6.8							
							Bottom	1st	22.2	8.0	31.5	6.9	6.9	95.4	13.2				9.2
							Bottom	2nd	22.2	8.0	31.5	6.9							
2018-12-10	Mid-Ebb	SR6	Cloudy	Rough	13:15	4.4	Surface	1st	21.3	8.0	31.4	7.2	7.2	97.1	16.6	17.5	26.7	26.5	
							Surface	2nd	21.3	8.0	31.4	7.2							
							Middle	1st	-	-	-	-	-	-	-				-
							Middle	2nd	-	-	-	-							
							Bottom	1st	21.3	8.0	31.4	7.2	7.2	97.5	18.4				26.6
							Bottom	2nd	21.3	8.0	31.4	7.2							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-10	Mid-Ebb	CS(Mf)3(N)	Cloudy	Rough	13:29	6.7	Surface	1st	21.5	8.0	30.6	7.1	7.2	96.5	16.2	16.8	20.3	22.1	
							Surface	2nd	21.5	8.0	30.6	7.1							
							Middle	1st	21.4	8.0	30.8	7.3	7.5	101.1	17.1				25.0
							Middle	2nd	21.4	8.0	30.8	7.3							
							Bottom	1st	21.4	8.0	30.9	7.5	100.8	17.2	25.6				
							Bottom	2nd	21.4	8.0	30.9	7.5							
2018-12-10	Mid-Ebb	SR5(N)	Cloudy	Moderate	14:00	8.8	Surface	1st	21.7	8.0	30.9	6.9	6.9	93.8	10.0	11.3	7.6	8.2	
							Surface	2nd	21.7	8.0	30.9	6.9							
							Middle	1st	21.8	8.0	31.0	6.9	7.1	96.9	12.5				8.3
							Middle	2nd	21.8	8.0	31.0	6.9							
							Bottom	1st	21.9	8.0	31.2	7.1	96.7	12.5	9.0				
							Bottom	2nd	21.9	8.0	31.2	7.1							
2018-12-10	Mid-Ebb	IS10(N)	Cloudy	Moderate	14:06	12.1	Surface	1st	21.7	8.1	30.9	6.9	6.9	93.9	10.0	10.9	8.9	9.3	
							Surface	2nd	21.7	8.1	30.9	6.9							
							Middle	1st	21.8	8.1	31.0	6.9	7.0	95.5	11.9				10.2
							Middle	2nd	21.8	8.1	31.0	6.9							
							Bottom	1st	21.8	8.1	31.0	7.0	95.2	11.9	9.6				
							Bottom	2nd	21.8	8.1	31.0	7.0							
2018-12-10	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	14:12	11.1	Surface	1st	21.7	8.1	30.9	6.9	6.9	93.9	10.3	11.3	11.2	15.7	
							Surface	2nd	21.7	8.1	30.9	6.9							
							Middle	1st	21.9	8.1	31.1	6.9	7.0	95.0	12.0				22.9
							Middle	2nd	21.8	8.1	31.0	6.9							
							Bottom	1st	21.9	8.1	31.2	7.0	96.8	5.2	9.0				
							Bottom	2nd	22.0	8.1	31.2	6.9							
2018-12-10	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	14:32	12.3	Surface	1st	22.2	8.2	31.9	6.8	6.8	93.7	5.1	4.9	7.7	8.4	
							Surface	2nd	22.1	8.2	31.1	6.8							
							Middle	1st	22.3	8.2	32.2	6.8	7.0	96.8	5.3				9.2
							Middle	2nd	22.2	8.2	31.3	6.8							
							Bottom	1st	22.3	8.2	32.2	7.0	96.6	5.3	9.0				
							Bottom	2nd	22.2	8.2	31.4	7.0							
2018-12-10	Mid-Ebb	SR7	Cloudy	Moderate	14:18	4.0	Surface	1st	22.0	8.1	31.3	6.9	6.9	94.1	10.6	11.1	10.3	10.5	
							Surface	2nd	22.0	8.1	31.3	6.9							
							Middle	1st	-	-	-	-	6.9	94.9	11.6				10.8
							Middle	2nd	-	-	-	-							
							Bottom	1st	22.1	8.1	31.5	6.9	94.7	11.5	9.7				
							Bottom	2nd	22.1	8.1	31.5	6.9							
2018-12-10	Mid-Ebb	IS17	Cloudy	Moderate	14:14	9.6	Surface	1st	21.9	8.2	31.3	6.8	6.8	93.3	5.9	6.3	7.5	9.0	
							Surface	2nd	21.9	8.2	30.5	6.8							
							Middle	1st	22.1	8.2	31.5	6.8	7.1	96.8	6.5				10.0
							Middle	2nd	22.0	8.2	30.7	6.8							
							Bottom	1st	22.1	8.2	31.6	7.0	96.5	6.5	10.8				
							Bottom	2nd	22.0	8.2	30.8	7.1							
2018-12-10	Mid-Ebb	IS(Mf)16	Cloudy	Calm	14:08	5.7	Surface	1st	21.6	8.2	31.0	7.0	7.0	95.2	7.2	7.3	6.1	6.7	
							Surface	2nd	21.6	8.2	30.3	7.0							
							Middle	1st	-	-	-	-	7.2	97.6	7.4				7.3
							Middle	2nd	-	-	-	-							
							Bottom	1st	21.6	8.2	31.0	7.2	97.1	7.4	6.8				
							Bottom	2nd	21.5	8.2	30.3	7.2							
2018-12-10	Mid-Ebb	IS8	Cloudy	Calm	13:47	3.7	Surface	1st	21.4	8.2	30.7	7.1	7.1	95.4	6.3	6.9	7.9	7.6	
							Surface	2nd	21.3	8.2	29.8	7.1							
							Middle	1st	-	-	-	-	7.2	97.7	7.4				7.7
							Middle	2nd	-	-	-	-							
							Bottom	1st	21.4	8.2	30.8	7.2	97.5	7.7	7.0				
							Bottom	2nd	21.4	8.2	30.0	7.2							
2018-12-10	Mid-Ebb	SR4(N)	Cloudy	Calm	13:53	3.6	Surface	1st	21.2	8.2	30.3	7.0	7.0	93.8	5.5	5.3	10.6	9.0	
							Surface	2nd	21.1	8.2	29.5	7.0							
							Middle	1st	-	-	-	-	7.2	96.2	5.3				7.5
							Middle	2nd	-	-	-	-							
							Bottom	1st	21.1	8.2	30.2	7.2	95.4	5.2	7.7				
							Bottom	2nd	21.1	8.2	29.5	7.2							
2018-12-10	Mid-Ebb	IS(Mf)9	Cloudy	Calm	13:41	3.5	Surface	1st	21.6	8.2	30.8	6.9	6.9	93.7	8.5	9.0	8.3	9.0	
							Surface	2nd	21.6	8.2	30.0	6.9							
							Middle	1st	-	-	-	-	7.0	94.9	9.6				9.9
							Middle	2nd	-	-	-	-							
							Bottom	1st	21.7	8.2	30.9	7.0	95.0	9.6	9.9				
							Bottom	2nd	21.6	8.2	30.1	7.0							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-10	Mid-Ebb	IS7	Cloudy	Calm	13:34	2.8	Surface	1st	-	-	-	-	7.1	-	-	5.4	-	6.0
							Surface	2nd	-	-	-	-		-	-			
							Middle	1st	21.4	8.2	30.4	7.1	96.0	5.2	6.1			
							Middle	2nd	21.4	8.2	29.6	7.1	95.4	5.5	5.9			
							Bottom	1st	-	-	-	-	-	-	-			
							Bottom	2nd	-	-	-	-	-	-	-			
2018-12-10	Mid-Ebb	IS(Mf)6	Cloudy	Calm	13:28	2.6	Surface	1st	-	-	-	-	7.0	-	-	6.0	-	5.4
							Surface	2nd	-	-	-	-		-	-			
							Middle	1st	21.2	8.2	30.2	7.0	93.4	6.0	5.5			
							Middle	2nd	21.1	8.2	29.4	7.0	93.4	6.0	5.3			
							Bottom	1st	-	-	-	-	-	-	-			
							Bottom	2nd	-	-	-	-	-	-	-			
2018-12-10	Mid-Ebb	IS5	Cloudy	Calm	13:22	8.6	Surface	1st	21.4	8.2	30.2	6.8	6.8	91.5	6.3	6.3	7.7	7.1
							Surface	2nd	21.3	8.2	29.4	6.8		91.2	6.3		7.4	
							Middle	1st	21.3	8.2	30.2	6.8	91.6	6.1	7.6			
							Middle	2nd	21.3	8.2	29.4	6.8	91.4	6.3	7.5			
							Bottom	1st	21.3	8.2	30.2	6.9	92.2	6.2	6.0			
							Bottom	2nd	21.3	8.2	29.4	6.9	92.1	6.5	6.3			
2018-12-10	Mid-Ebb	SR3(N)	Cloudy	Calm	13:16	4.4	Surface	1st	21.3	8.2	30.2	6.9	6.9	93.1	7.3	8.1	9.7	8.3
							Surface	2nd	21.2	8.2	29.5	6.9		92.9	7.5		8.9	
							Middle	1st	-	-	-	-	-	-	-			
							Middle	2nd	-	-	-	-	-	-	-			
							Bottom	1st	21.2	8.2	30.3	6.9	93.2	8.9	7.7			
							Bottom	2nd	21.1	8.2	29.4	7.0	93.1	8.7	7.0			
2018-12-10	Mid-Flood	SR10A(N)	Cloudy	Moderate	8:23	12.8	Surface	1st	22.3	8.1	32.0	6.7	6.7	93.2	6.1	6.3	11.0	11.0
							Surface	2nd	22.3	8.1	31.2	6.7		92.8	6.2		10.7	
							Middle	1st	22.3	8.0	32.0	6.7	93.3	6.3	10.0			
							Middle	2nd	22.3	8.1	31.2	6.8	93.0	6.3	10.7			
							Bottom	1st	22.3	8.0	32.0	6.8	93.4	6.6	11.3			
							Bottom	2nd	22.3	8.0	31.2	6.8	93.4	6.5	12.1			
2018-12-10	Mid-Flood	SR10B(N2)	Cloudy	Moderate	8:29	5.8	Surface	1st	22.4	8.2	32.3	6.7	6.7	92.9	7.7	7.9	13.0	12.2
							Surface	2nd	22.4	8.2	31.5	6.7		92.3	7.7		12.7	
							Middle	1st	-	-	-	-	-	-	-			
							Middle	2nd	-	-	-	-	-	-	-			
							Bottom	1st	22.4	8.2	32.3	6.9	95.2	8.0	11.8			
							Bottom	2nd	22.3	8.2	31.5	6.9	94.8	8.3	11.3			
2018-12-10	Mid-Flood	CSA	Cloudy	Moderate	8:39	32.0	Surface	1st	22.0	7.9	31.0	6.9	6.9	94.0	9.3	9.2	11.2	9.0
							Surface	2nd	22.0	7.9	31.1	6.9		94.0	9.2		10.2	
							Middle	1st	22.2	7.9	31.3	6.8	93.0	9.1	8.5			
							Middle	2nd	22.2	7.9	31.3	6.8	93.0	9.1	9.2			
							Bottom	1st	22.2	7.8	31.3	6.8	93.9	9.1	7.2			
							Bottom	2nd	22.2	7.9	31.3	6.8	93.7	9.1	7.9			
2018-12-10	Mid-Flood	CS6	Cloudy	Moderate	8:48	9.1	Surface	1st	22.1	8.0	31.2	6.9	6.9	94.4	8.8	10.8	5.0	6.9
							Surface	2nd	22.0	8.0	31.1	6.9		94.4	8.8		5.2	
							Middle	1st	22.3	8.0	31.5	6.9	95.7	10.4	5.5			
							Middle	2nd	22.2	8.0	31.5	6.9	95.6	10.3	5.5			
							Bottom	1st	22.3	8.0	31.6	7.1	97.4	13.4	9.9			
							Bottom	2nd	22.3	8.0	31.6	7.0	97.1	12.9	10.4			
2018-12-10	Mid-Flood	CS4	Cloudy	Rough	9:42	8.5	Surface	1st	21.9	8.0	30.6	6.9	6.9	93.4	13.0	14.3	13.4	14.2
							Surface	2nd	21.9	8.0	30.6	6.9		93.4	12.8		14.5	
							Middle	1st	22.2	8.0	31.1	6.8	92.8	12.8	14.2			
							Middle	2nd	22.1	8.0	31.0	6.8	92.8	12.9	13.9			
							Bottom	1st	22.3	8.0	31.5	6.9	95.2	19.1	14.0			
							Bottom	2nd	22.3	8.0	31.5	6.9	95.0	15.3	14.9			
2018-12-10	Mid-Flood	SR6	Cloudy	Rough	10:11	4.6	Surface	1st	21.5	8.0	30.3	7.2	7.2	96.6	16.4	16.6	19.2	19.0
							Surface	2nd	21.5	8.0	30.3	7.2		96.6	16.2		18.7	
							Middle	1st	-	-	-	-	-	-	-			
							Middle	2nd	-	-	-	-	-	-	-			
							Bottom	1st	21.5	8.0	30.4	7.3	98.6	16.8	18.7			
							Bottom	2nd	21.5	8.0	30.4	7.3	98.3	17.0	19.3			
2018-12-10	Mid-Flood	CS(Mf)3(N)	Cloudy	Rough	9:54	6.5	Surface	1st	21.7	8.0	30.3	7.0	7.1	95.5	16.0	17.4	14.6	17.6
							Surface	2nd	21.7	8.0	30.3	7.0		95.5	15.9		15.6	
							Middle	1st	21.7	8.0	30.4	7.1	96.2	16.2	19.7			
							Middle	2nd	21.7	8.0	30.3	7.1	96.2	15.9	18.9			
							Bottom	1st	21.7	8.0	30.3	7.4	100.7	20.7	18.5			
							Bottom	2nd	21.7	8.0	30.3	7.4	100.2	19.5	18.1			

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-10	Mid-Flood	SR5(N)	Cloudy	Moderate	9:24	9.0	Surface	1st	21.7	8.1	31.1	7.0	7.1	95.0	19.6	20.5	21.0	22.8
							Surface	2nd	21.7	8.1	31.1	7.0						
							Middle	1st	21.7	8.1	31.1	7.1	96.2	19.4				
							Middle	2nd	21.7	8.1	31.1	7.1			7.1			
							Bottom	1st	21.7	8.1	31.1	7.1	96.9	22.5				
							Bottom	2nd	21.7	8.1	31.1	7.1			94.1			
2018-12-10	Mid-Flood	IS10(N)	Cloudy	Moderate	9:19	11.9	Surface	1st	21.8	8.1	31.0	6.9	6.9	94.0		11.8	13.6	12.3
							Surface	2nd	21.8	8.1	31.0	6.9			94.6			
							Middle	1st	21.7	8.1	31.1	6.9	94.6	14.7				
							Middle	2nd	21.7	8.1	31.1	6.9			7.0	95.2		
							Bottom	1st	21.7	8.1	31.1	7.0	95.0	14.2				
							Bottom	2nd	21.7	8.1	31.1	7.0			93.6	11.3		
2018-12-10	Mid-Flood	IS(Mf)11	Cloudy	Moderate	9:13	11.5	Surface	1st	21.9	8.0	31.0	6.9	6.9	93.5			11.2	11.4
							Surface	2nd	21.9	8.0	31.0	6.8			94.1	11.3		
							Middle	1st	21.9	8.0	31.0	6.9	94.0	11.2				
							Middle	2nd	21.9	8.0	31.0	6.9			7.0	95.2	12.2	
							Bottom	1st	21.9	8.0	31.0	7.0	95.1	11.4				
							Bottom	2nd	21.9	8.0	31.0	7.0			93.8	8.1		
2018-12-10	Mid-Flood	CS(Mf)5	Cloudy	Moderate	8:57	11.8	Surface	1st	22.1	8.2	31.4	6.8	6.9	93.5			7.9	9.5
							Surface	2nd	22.0	8.2	30.6	6.8			94.3	8.7		
							Middle	1st	22.1	8.2	31.5	6.9	94.2	8.5				
							Middle	2nd	22.1	8.2	30.7	6.9			7.0	95.2	11.9	
							Bottom	1st	22.1	8.2	31.5	6.9	95.5	12.1				
							Bottom	2nd	22.0	8.2	30.7	7.0			96.1	15.8		
2018-12-10	Mid-Flood	SR7	Cloudy	Moderate	9:06	4.4	Surface	1st	21.6	8.0	31.0	7.1	7.1	96.0			15.7	17.6
							Surface	2nd	21.6	8.0	31.0	7.1			-	-		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			7.2	96.9	19.4	
							Bottom	1st	21.5	8.0	31.0	7.2	96.9	19.5				
							Bottom	2nd	21.5	8.0	31.0	7.1			7.1	94.9	15.8	
2018-12-10	Mid-Flood	IS17	Cloudy	Moderate	9:13	9.5	Surface	1st	21.6	8.2	30.9	7.0	7.1	94.9				4.7
							Surface	2nd	21.5	8.2	30.1	7.1			94.8	4.8		
							Middle	1st	21.8	8.2	31.1	7.0	95.6	16.9				
							Middle	2nd	21.7	8.2	30.3	7.1			95.9	17.0		
							Bottom	1st	21.7	8.2	31.1	7.2	7.2	97.5			17.8	
							Bottom	2nd	21.7	8.2	30.3	7.2			97.0	18.0		
2018-12-10	Mid-Flood	IS(Mf)16	Cloudy	Moderate	9:22	5.6	Surface	1st	21.9	8.2	30.9	6.8	6.9	93.3			12.0	13.8
							Surface	2nd	21.8	8.2	30.1	6.9			93.2	12.1		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			7.1	94.9	15.8	
							Bottom	1st	21.9	8.2	30.9	7.0	95.0	15.4				
							Bottom	2nd	21.8	8.2	30.1	7.1			92.6	7.0		
2018-12-10	Mid-Flood	IS8	Cloudy	Calm	9:42	3.3	Surface	1st	21.5	8.2	30.4	6.9	6.9	92.6			7.0	7.2
							Surface	2nd	21.4	8.2	29.6	6.9			92.4	7.0		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			-	-		
							Bottom	1st	21.5	8.2	30.5	6.9	6.9	93.1			7.4	
							Bottom	2nd	21.4	8.2	29.8	6.9			93.1	7.4		
2018-12-10	Mid-Flood	SR4(N)	Cloudy	Calm	9:36	4.0	Surface	1st	21.3	8.2	30.1	6.8	6.9	92.0			5.8	6.1
							Surface	2nd	21.3	8.2	29.4	6.9			92.1	5.6		
							Middle	1st	-	-	-	-	-	-				
							Middle	2nd	-	-	-	-			7.1	95.0	6.5	
							Bottom	1st	21.4	8.2	30.4	7.0	94.7	6.4				
							Bottom	2nd	21.3	8.2	29.6	7.1			-	-		
2018-12-10	Mid-Flood	IS(Mf)9	Cloudy	Calm	9:49	2.9	Surface	1st	-	-	-	-	6.9	-			-	9.1
							Surface	2nd	-	-	-	-			-	-		
							Middle	1st	21.6	8.2	30.5	6.9	92.9	9.2				
							Middle	2nd	21.6	8.2	29.8	6.9			92.8	9.0		
							Bottom	1st	-	-	-	-	-	-				
							Bottom	2nd	-	-	-	-			-	-		
2018-12-10	Mid-Flood	IS7	Cloudy	Calm	9:57	2.7	Surface	1st	-	-	-	-	6.8	-			-	7.2
							Surface	2nd	-	-	-	-			-	-		
							Middle	1st	21.5	8.2	30.3	6.8	91.9	7.2				
							Middle	2nd	21.4	8.2	29.5	6.8			91.6	7.2		
							Bottom	1st	-	-	-	-	-	-				
							Bottom	2nd	-	-	-	-			-	-		

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-10	Mid-Flood	IS(Mf)6	Cloudy	Calm	10:05	2.4	Surface	1st	-	-	-	-	7.1	-	-	8.1	-	8.6
							Surface	2nd	-	-	-	-		-	-			
							Middle	1st	21.2	8.2	30.2	7.0	94.5	8.1	8.2			
							Middle	2nd	21.2	8.2	29.4	7.1	94.2	8.0	8.9			
							Bottom	1st	-	-	-	-	-	-	-			
							Bottom	2nd	-	-	-	-	-	-	-			
2018-12-10	Mid-Flood	IS5	Cloudy	Calm	10:11	7.6	Surface	1st	21.4	8.2	30.2	6.8	6.8	91.8	8.0	8.1	12.3	12.0
							Surface	2nd	21.3	8.2	29.4	6.8		91.5	7.9		12.1	
							Middle	1st	21.4	8.2	30.2	6.8	91.9	8.5	12.4			
							Middle	2nd	21.3	8.2	29.4	6.9	91.9	8.3	11.5			
							Bottom	1st	21.4	8.2	30.2	6.9	93.2	7.6	11.1			
							Bottom	2nd	21.3	8.2	29.4	7.0	93.1	8.0	12.3			
2018-12-10	Mid-Flood	SR3(N)	Cloudy	Calm	10:18	4.2	Surface	1st	21.4	8.2	30.2	6.8	6.9	92.2	7.8	8.3	9.4	10.2
							Surface	2nd	21.3	8.2	29.4	6.9		92.2	8.0		9.6	
							Middle	1st	-	-	-	-	-	-	-			
							Middle	2nd	-	-	-	-	-	-	-			
							Bottom	1st	21.3	8.2	30.2	7.0	94.7	8.8	11.1			
							Bottom	2nd	21.3	8.2	29.4	7.1	94.5	8.7	10.8			
2018-12-12	Mid-Ebb	SR10A(N)	Cloudy	Moderate	16:35	10.1	Surface	1st	21.8	8.3	32.3	7.0	7.0	96.3	4.6	5.1	7.2	6.8
							Surface	2nd	21.9	8.3	32.3	7.0		96.2	4.5		7.2	
							Middle	1st	21.8	8.3	32.4	7.1	96.8	5.4	6.6			
							Middle	2nd	21.8	8.3	32.4	7.0	96.7	5.7	6.2			
							Bottom	1st	21.8	8.3	32.4	7.1	97.4	5.1	6.7			
							Bottom	2nd	21.8	8.3	32.4	7.1	97.4	5.3	6.9			
2018-12-12	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	16:39	5.8	Surface	1st	21.8	8.3	32.3	7.2	7.2	98.9	4.4	4.4	6.9	7.1
							Surface	2nd	21.8	8.3	32.3	7.2		98.7	4.3		7.5	
							Middle	1st	-	-	-	-	-	-	-			
							Middle	2nd	-	-	-	-	-	-	-			
							Bottom	1st	21.8	8.2	32.3	7.4	101.7	4.4	6.9			
							Bottom	2nd	21.8	8.2	32.3	7.4	101.5	4.4	6.9			
2018-12-12	Mid-Ebb	CSA	Cloudy	Rough	16:08	33.5	Surface	1st	21.5	8.1	33.3	6.9	6.9	95.1	5.4	5.9	4.5	4.0
							Surface	2nd	21.5	8.1	33.3	6.9		95.1	5.4		4.3	
							Middle	1st	21.6	8.1	33.4	6.9	94.8	6.1	4.6			
							Middle	2nd	21.6	8.1	33.4	6.9	94.8	6.1	4.1			
							Bottom	1st	21.6	8.1	33.4	6.9	95.3	6.3	3.0			
							Bottom	2nd	21.6	8.1	33.4	6.9	95.2	6.2	3.5			
2018-12-12	Mid-Ebb	CS6	Cloudy	Rough	16:00	9.7	Surface	1st	21.5	8.1	33.4	7.0	7.1	96.7	6.0	10.1	5.5	5.2
							Surface	2nd	21.5	8.1	33.4	7.0		96.6	5.9		5.5	
							Middle	1st	21.5	8.1	33.4	7.1	98.2	7.3	5.1			
							Middle	2nd	21.5	8.1	33.4	7.1	98.0	7.1	5.8			
							Bottom	1st	21.5	8.1	33.4	7.3	100.6	17.1	4.8			
							Bottom	2nd	21.5	8.1	33.4	7.3	100.3	17.1	4.3			
2018-12-12	Mid-Ebb	CS4	Cloudy	Rough	15:07	16.4	Surface	1st	21.2	8.1	32.8	7.0	7.0	94.9	6.2	7.0	4.8	3.8
							Surface	2nd	21.2	8.1	32.8	7.0		94.9	6.1		4.9	
							Middle	1st	21.3	8.1	32.9	7.0	96.3	7.5	3.4			
							Middle	2nd	21.3	8.1	32.9	7.0	96.1	7.4	3.3			
							Bottom	1st	21.3	8.1	32.9	7.2	97.8	7.4	3.2			
							Bottom	2nd	21.3	8.1	32.9	7.1	97.7	7.4	3.4			
2018-12-12	Mid-Ebb	SR6	Cloudy	Moderate	14:44	4.1	Surface	1st	20.0	8.2	32.7	7.5	7.5	100.2	13.7	14.9	14.2	13.9
							Surface	2nd	20.0	8.2	32.7	7.5		100.2	13.6		14.9	
							Middle	1st	-	-	-	-	-	-	-			
							Middle	2nd	-	-	-	-	-	-	-			
							Bottom	1st	20.0	8.2	32.8	7.6	101.2	16.2	13.1			
							Bottom	2nd	20.0	8.2	32.8	7.6	101.1	16.2	13.5			
2018-12-12	Mid-Ebb	CS(Mf)3(N)	Cloudy	Rough	14:54	7.3	Surface	1st	20.0	8.1	32.2	7.5	7.5	99.2	10.7	11.0	8.8	8.3
							Surface	2nd	20.0	8.1	32.2	7.5		99.2	10.7		8.5	
							Middle	1st	20.0	8.1	32.2	7.5	99.8	10.6	9.8			
							Middle	2nd	20.0	8.1	32.2	7.5	99.7	10.6	9.4			
							Bottom	1st	19.8	8.1	32.2	7.8	103.4	11.7	6.8			
							Bottom	2nd	19.8	8.1	32.2	7.8	103.0	11.7	6.2			
2018-12-12	Mid-Ebb	SR5(N)	Cloudy	Rough	15:24	9.5	Surface	1st	21.1	8.1	32.7	6.9	7.0	94.4	7.5	8.1	5.5	5.6
							Surface	2nd	21.1	8.1	32.7	6.9		94.4	7.5		5.8	
							Middle	1st	21.1	8.1	32.8	7.0	95.8	8.4	5.6			
							Middle	2nd	21.1	8.1	32.8	7.0	95.7	8.5	5.7			
							Bottom	1st	21.1	8.1	32.8	7.1	96.7	8.3	6.0			
							Bottom	2nd	21.1	8.1	32.8	7.1	96.6	8.3	5.0			

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-12	Mid-Ebb	IS10(N)	Cloudy	Rough	15:30	12.4	Surface	1st	20.6	8.1	32.3	7.1	7.1	95.0	8.4	9.5	6.3	6.5
							Surface	2nd	20.6	8.1	32.3	7.1						
							Middle	1st	20.6	8.1	32.3	7.1						
							Middle	2nd	20.6	8.1	32.3	7.1	7.2	95.6	9.9			
							Bottom	1st	20.6	8.1	32.3	7.2						
							Bottom	2nd	20.6	8.1	32.3	7.2						
2018-12-12	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	15:34	11.1	Surface	1st	20.4	8.1	32.2	7.1	7.0	94.7	9.0	9.8	7.2	6.5
							Surface	2nd	20.4	8.1	32.2	7.1						
							Middle	1st	21.0	8.1	32.6	6.9						
							Middle	2nd	21.0	8.1	32.6	6.9	7.0	93.9	10.2			
							Bottom	1st	21.0	8.1	32.7	7.0						
							Bottom	2nd	21.0	8.1	32.7	7.0						
2018-12-12	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	16:03	12.1	Surface	1st	21.8	8.3	32.2	7.0	7.0	95.6	4.3	5.1	6.1	6.7
							Surface	2nd	21.8	8.3	32.2	7.0						
							Middle	1st	21.8	8.3	32.2	7.0						
							Middle	2nd	21.8	8.3	32.2	7.0	7.1	95.8	5.1			
							Bottom	1st	21.8	8.3	32.2	7.1						
							Bottom	2nd	21.8	8.3	32.2	7.1						
2018-12-12	Mid-Ebb	SR7	Cloudy	Moderate	15:41	4.3	Surface	1st	21.3	8.1	33.0	7.1	7.1	96.5	8.1	8.3	7.2	6.6
							Surface	2nd	21.3	8.1	33.0	7.1						
							Middle	1st	-	-	-	-						
							Middle	2nd	-	-	-	-	7.2	96.6	5.8			
							Bottom	1st	21.2	8.1	33.0	7.2						
							Bottom	2nd	21.2	8.1	33.0	7.2						
2018-12-12	Mid-Ebb	IS17	Cloudy	Moderate	15:44	7.3	Surface	1st	21.3	8.3	31.6	7.1	7.2	96.7	5.9	5.7	7.5	7.7
							Surface	2nd	21.3	8.3	31.6	7.1						
							Middle	1st	21.4	8.2	31.8	7.2						
							Middle	2nd	21.4	8.2	31.8	7.2	7.5	97.4	5.7			
							Bottom	1st	21.4	8.2	31.8	7.6						
							Bottom	2nd	21.4	8.2	31.8	7.3						
2018-12-12	Mid-Ebb	IS(Mf)16	Cloudy	Moderate	15:38	5.0	Surface	1st	20.7	8.3	31.2	7.4	7.4	98.5	7.6	7.7	6.8	6.7
							Surface	2nd	20.7	8.3	31.2	7.4						
							Middle	1st	-	-	-	-						
							Middle	2nd	-	-	-	-	7.4	98.4	7.5			
							Bottom	1st	20.7	8.2	31.3	7.4						
							Bottom	2nd	20.7	8.2	31.3	7.4						
2018-12-12	Mid-Ebb	IS8	Cloudy	Moderate	15:19	3.9	Surface	1st	20.5	8.2	30.7	7.4	7.4	99.4	7.7	5.9	6.9	6.9
							Surface	2nd	20.5	8.3	30.7	7.3						
							Middle	1st	-	-	-	-						
							Middle	2nd	-	-	-	-	7.6	97.6	5.6			
							Bottom	1st	20.5	8.2	31.0	7.7						
							Bottom	2nd	20.6	8.2	31.0	7.4						
2018-12-12	Mid-Ebb	SR4(N)	Cloudy	Moderate	15:23	4.1	Surface	1st	20.2	8.2	30.4	7.7	7.7	101.5	5.7	5.9	4.7	4.6
							Surface	2nd	20.2	8.2	30.4	7.7						
							Middle	1st	-	-	-	-						
							Middle	2nd	-	-	-	-	7.8	101.4	5.7			
							Bottom	1st	20.2	8.2	30.4	7.8						
							Bottom	2nd	20.2	8.2	30.4	7.8						
2018-12-12	Mid-Ebb	IS(Mf)9	Cloudy	Moderate	15:12	3.7	Surface	1st	20.5	8.2	30.8	7.7	7.7	101.5	8.4	8.4	5.8	5.4
							Surface	2nd	20.5	8.2	30.8	7.6						
							Middle	1st	-	-	-	-						
							Middle	2nd	-	-	-	-	7.8	101.1	8.3			
							Bottom	1st	20.5	8.2	30.8	7.8						
							Bottom	2nd	20.5	8.2	30.8	7.7						
2018-12-12	Mid-Ebb	IS7	Cloudy	Moderate	15:06	2.7	Surface	1st	-	-	-	-	7.4	-	-	7.0	-	5.4
							Surface	2nd	-	-	-	-						
							Middle	1st	20.4	8.2	30.4	7.4						
							Middle	2nd	20.4	8.2	30.4	7.3	-	97.1	7.0			
							Bottom	1st	-	-	-	-						
							Bottom	2nd	-	-	-	-						
2018-12-12	Mid-Ebb	IS(Mf)6	Cloudy	Moderate	14:59	2.8	Surface	1st	-	-	-	-	7.5	-	-	7.2	-	4.5
							Surface	2nd	-	-	-	-						
							Middle	1st	20.3	8.2	30.5	7.5						
							Middle	2nd	20.3	8.2	30.5	7.4	-	98.8	7.2			
							Bottom	1st	-	-	-	-						
							Bottom	2nd	-	-	-	-						

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-12	Mid-Ebb	IS5	Cloudy	Moderate	14:53	9.0	Surface	1st	20.4	8.2	30.4	7.1	7.1	93.9	8.5	9.0	8.8	6.9
							Surface	2nd	20.4	8.2	30.4	7.1						
							Middle	1st	20.5	8.2	30.4	7.1	7.2	94.4	9.4			
							Middle	2nd	20.5	8.2	30.4	7.1						
							Bottom	1st	20.4	8.2	30.4	7.2	95.6	9.1				
							Bottom	2nd	20.5	8.2	30.4	7.2						
2018-12-12	Mid-Ebb	SR3(N)	Cloudy	Moderate	14:46	4.3	Surface	1st	20.4	8.2	30.4	7.3	7.3	96.3	7.4	7.3	8.2	8.2
							Surface	2nd	20.4	8.2	30.4	7.3						
							Middle	1st	-	-	-	-	7.4	97.3	7.3			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.4	8.2	30.4	7.4	97.1	7.3				
							Bottom	2nd	20.3	8.2	30.4	7.3						
2018-12-12	Mid-Flood	SR10A(N)	Cloudy	Moderate	10:51	10.5	Surface	1st	21.8	8.2	32.1	7.0	7.1	95.1	5.0	5.0	4.7	4.6
							Surface	2nd	21.8	8.2	32.1	7.0						
							Middle	1st	21.7	8.0	32.1	7.1	7.2	95.9	5.1			
							Middle	2nd	21.8	8.0	32.1	7.1						
							Bottom	1st	21.7	8.0	32.1	7.2	97.7	5.0				
							Bottom	2nd	21.7	8.0	32.1	7.2						
2018-12-12	Mid-Flood	SR10B(N2)	Cloudy	Moderate	10:55	6.1	Surface	1st	21.8	8.2	32.1	6.9	6.9	94.6	5.2	5.0	5.8	4.6
							Surface	2nd	21.8	8.2	32.1	6.9						
							Middle	1st	21.8	8.2	32.1	6.9	6.9	94.6	5.0			
							Middle	2nd	21.8	8.2	32.1	6.9						
							Bottom	1st	21.8	8.2	32.1	6.9	94.8	4.9				
							Bottom	2nd	21.8	8.2	32.1	6.9						
2018-12-12	Mid-Flood	CSA	Cloudy	Rough	10:39	33.4	Surface	1st	21.2	8.1	32.8	6.9	6.9	93.8	4.9	5.5	3.4	3.3
							Surface	2nd	21.2	8.1	32.8	6.9						
							Middle	1st	21.4	8.1	33.0	6.8	6.8	93.6	5.7			
							Middle	2nd	21.4	8.1	33.0	6.8						
							Bottom	1st	21.4	8.1	33.1	6.8	93.8	6.0				
							Bottom	2nd	21.4	8.1	33.1	6.8						
2018-12-12	Mid-Flood	CS6	Cloudy	Rough	10:49	9.6	Surface	1st	21.4	8.1	33.1	7.0	7.0	95.5	6.0	7.0	5.2	4.3
							Surface	2nd	21.4	8.1	33.1	7.0						
							Middle	1st	21.4	8.1	33.1	7.0	7.1	96.6	7.4			
							Middle	2nd	21.4	8.1	33.1	7.0						
							Bottom	1st	21.4	8.1	33.1	7.1	97.3	7.5				
							Bottom	2nd	21.4	8.1	33.1	7.1						
2018-12-12	Mid-Flood	CS4	Cloudy	Rough	11:41	16.8	Surface	1st	20.9	8.1	32.4	7.1	7.1	96.0	10.9	11.5	8.7	10.5
							Surface	2nd	20.9	8.1	32.4	7.1						
							Middle	1st	20.9	8.1	32.5	7.1	7.3	96.1	11.2			
							Middle	2nd	20.9	8.1	32.5	7.1						
							Bottom	1st	20.9	8.1	32.6	7.3	98.9	12.3				
							Bottom	2nd	21.0	8.1	32.6	7.3						
2018-12-12	Mid-Flood	SR6	Cloudy	Rough	12:09	4.2	Surface	1st	20.0	8.1	32.3	7.5	7.5	99.0	11.0	11.3	11.5	13.5
							Surface	2nd	20.0	8.1	32.3	7.4						
							Middle	1st	-	-	-	-	7.5	100.2	11.7			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.0	8.1	32.3	7.5	100.2	11.7				
							Bottom	2nd	20.0	8.1	32.3	7.5						
2018-12-12	Mid-Flood	CS(Mf)3(N)	Cloudy	Rough	11:53	7.3	Surface	1st	20.4	8.1	32.2	7.3	7.3	97.0	12.1	14.6	12.7	15.8
							Surface	2nd	20.4	8.1	32.2	7.3						
							Middle	1st	20.4	8.1	32.2	7.3	7.5	97.5	15.3			
							Middle	2nd	20.4	8.1	32.2	7.3						
							Bottom	1st	20.3	8.1	32.2	7.5	99.6	16.6				
							Bottom	2nd	20.3	8.1	32.2	7.4						
2018-12-12	Mid-Flood	SR5(N)	Cloudy	Rough	11:25	9.5	Surface	1st	20.3	8.1	32.3	7.2	7.2	96.7	11.6	13.5	9.6	10.7
							Surface	2nd	20.3	8.1	32.3	7.2						
							Middle	1st	20.4	8.1	32.3	7.2	7.2	96.5	15.3			
							Middle	2nd	20.4	8.1	32.3	7.2						
							Bottom	1st	20.4	8.1	32.3	7.2	96.5	15.2				
							Bottom	2nd	20.4	8.1	32.3	7.2						
2018-12-12	Mid-Flood	IS10(N)	Cloudy	Rough	11:20	12.4	Surface	1st	20.5	8.1	32.2	7.1	7.2	95.6	13.8	14.0	11.7	13.0
							Surface	2nd	20.5	8.1	32.2	7.1						
							Middle	1st	20.6	8.1	32.3	7.2	7.3	96.8	14.3			
							Middle	2nd	20.6	8.1	32.3	7.2						
							Bottom	1st	20.6	8.1	32.3	7.3	97.6	13.8				
							Bottom	2nd	20.6	8.1	32.3	7.3						

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-12	Mid-Flood	IS(Mf)11	Cloudy	Rough	11:13	11.3	Surface	1st	20.7	8.1	32.4	7.1	7.1	95.3	11.2	11.9	9.1	10.1
							Surface	2nd	20.7	8.1	32.4	7.1						
							Middle	1st	20.7	8.1	32.4	7.1	7.2	96.2	11.8			
							Middle	2nd	20.7	8.1	32.4	7.1						
							Bottom	1st	20.7	8.1	32.4	7.2	97.4	12.8				
							Bottom	2nd	20.7	8.1	32.4	7.2						
2018-12-12	Mid-Flood	CS(Mf)5	Cloudy	Moderate	11:24	12.6	Surface	1st	21.6	8.3	31.8	7.0	7.0	94.6	5.3	8.3	6.0	5.8
							Surface	2nd	21.6	8.3	31.8	7.0						
							Middle	1st	21.6	8.3	31.8	7.0	7.1	94.8	7.7			
							Middle	2nd	21.6	8.3	31.8	7.0						
							Bottom	1st	21.7	8.2	31.9	7.1	96.1	11.9				
							Bottom	2nd	21.7	8.2	31.9	7.1						
2018-12-12	Mid-Flood	SR7	Cloudy	Rough	11:07	4.2	Surface	1st	20.8	8.1	32.6	7.2	7.2	97.2	13.7	13.7	13.1	14.8
							Surface	2nd	20.8	8.1	32.6	7.2						
							Middle	1st	-	-	-	-	7.3	98.6	13.8			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.8	8.1	32.6	7.3	98.5	13.7				
							Bottom	2nd	20.8	8.1	32.6	7.3						
2018-12-12	Mid-Flood	IS17	Cloudy	Moderate	11:45	7.7	Surface	1st	20.8	8.3	31.3	7.3	7.4	98.1	7.9	8.5	6.8	11.4
							Surface	2nd	20.8	8.3	31.3	7.3						
							Middle	1st	20.7	8.3	31.3	7.4	7.8	103.6	8.6			
							Middle	2nd	20.7	8.3	31.3	7.4						
							Bottom	1st	20.7	8.2	31.3	7.8	103.1	8.7				
							Bottom	2nd	20.7	8.2	31.3	7.8						
2018-12-12	Mid-Flood	IS(Mf)16	Cloudy	Moderate	11:51	5.2	Surface	1st	20.7	8.3	31.0	7.3	7.3	96.9	15.0	12.1	16.9	14.3
							Surface	2nd	20.7	8.3	30.9	7.3						
							Middle	1st	-	-	-	-	7.7	102.1	9.2			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.6	8.2	31.1	7.7	101.9	9.1				
							Bottom	2nd	20.6	8.3	31.1	7.7						
2018-12-12	Mid-Flood	IS8	Cloudy	Moderate	12:11	3.6	Surface	1st	20.6	8.2	30.8	7.4	7.4	98.5	9.7	9.5	48.2	37.4
							Surface	2nd	20.6	8.2	30.8	7.4						
							Middle	1st	-	-	-	-	7.9	104.4	8.8			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.7	8.2	30.9	7.9	104.1	10.0				
							Bottom	2nd	20.7	8.2	30.9	7.9						
2018-12-12	Mid-Flood	SR4(N)	Cloudy	Moderate	12:06	4.3	Surface	1st	20.4	8.2	30.5	7.4	7.4	97.9	6.3	9.2	26.3	28.7
							Surface	2nd	20.4	8.2	30.5	7.4						
							Middle	1st	-	-	-	-	7.9	104.1	12.0			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.5	8.2	30.7	7.9	103.7	12.4				
							Bottom	2nd	20.5	8.2	30.7	7.9						
2018-12-12	Mid-Flood	IS(Mf)9	Cloudy	Moderate	12:17	3.3	Surface	1st	20.6	8.2	30.6	7.3	7.3	96.5	12.9	13.0	23.2	26.1
							Surface	2nd	20.6	8.2	30.6	7.3						
							Middle	1st	-	-	-	-	7.3	96.9	13.2			
							Middle	2nd	-	-	-	-						
							Bottom	1st	20.5	8.2	30.6	7.3	96.9	13.2				
							Bottom	2nd	20.5	8.2	30.6	7.3						
2018-12-12	Mid-Flood	IS7	Cloudy	Moderate	12:26	2.8	Surface	1st	-	-	-	-	7.7	-	-	9.4	-	27.7
							Surface	2nd	-	-	-	-						
							Middle	1st	20.4	8.2	30.4	7.7	-	101.2	9.4			
							Middle	2nd	20.4	8.2	30.4	7.7						
							Bottom	1st	-	-	-	-	-	-	-			
							Bottom	2nd	-	-	-	-						
2018-12-12	Mid-Flood	IS(Mf)6	Cloudy	Moderate	12:30	2.6	Surface	1st	-	-	-	-	7.3	-	-	7.7	-	3.9
							Surface	2nd	-	-	-	-						
							Middle	1st	20.5	8.2	30.4	7.3	-	96.0	7.7			
							Middle	2nd	20.5	8.2	30.4	7.3						
							Bottom	1st	-	-	-	-	-	-	-			
							Bottom	2nd	-	-	-	-						
2018-12-12	Mid-Flood	IS5	Cloudy	Moderate	12:39	8.9	Surface	1st	20.4	8.2	30.4	7.2	7.3	94.4	14.1	14.4	3.1	3.7
							Surface	2nd	20.4	8.2	30.4	7.2						
							Middle	1st	20.4	8.2	30.4	7.3	-	95.7	13.9			
							Middle	2nd	20.4	8.2	30.4	7.3						
							Bottom	1st	20.4	8.2	30.4	7.4	7.4	97.0	15.3			
							Bottom	2nd	20.4	8.2	30.4	7.4						

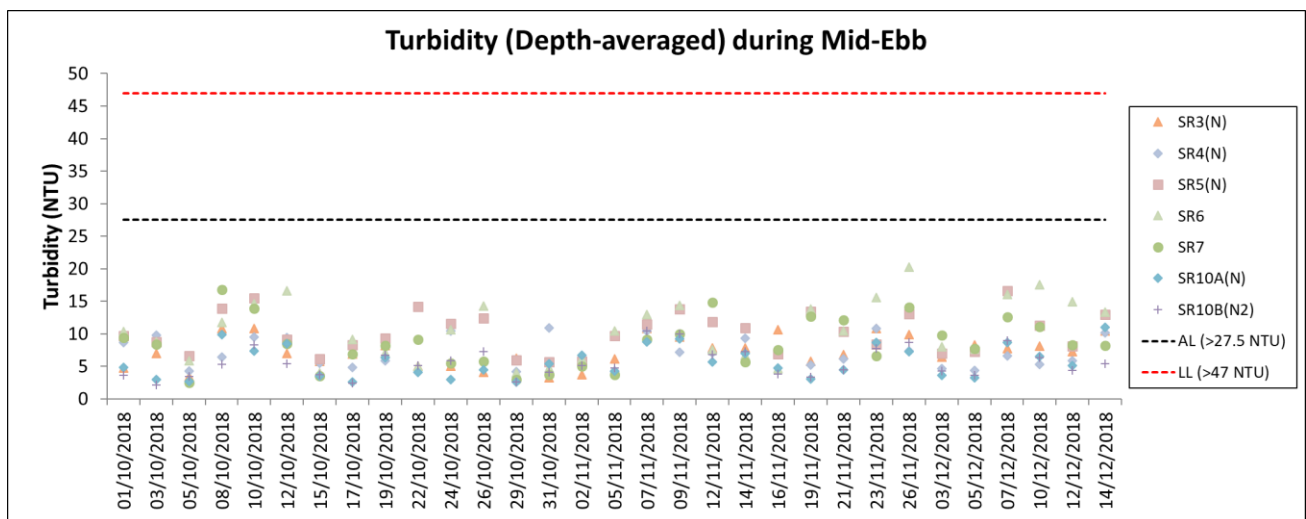
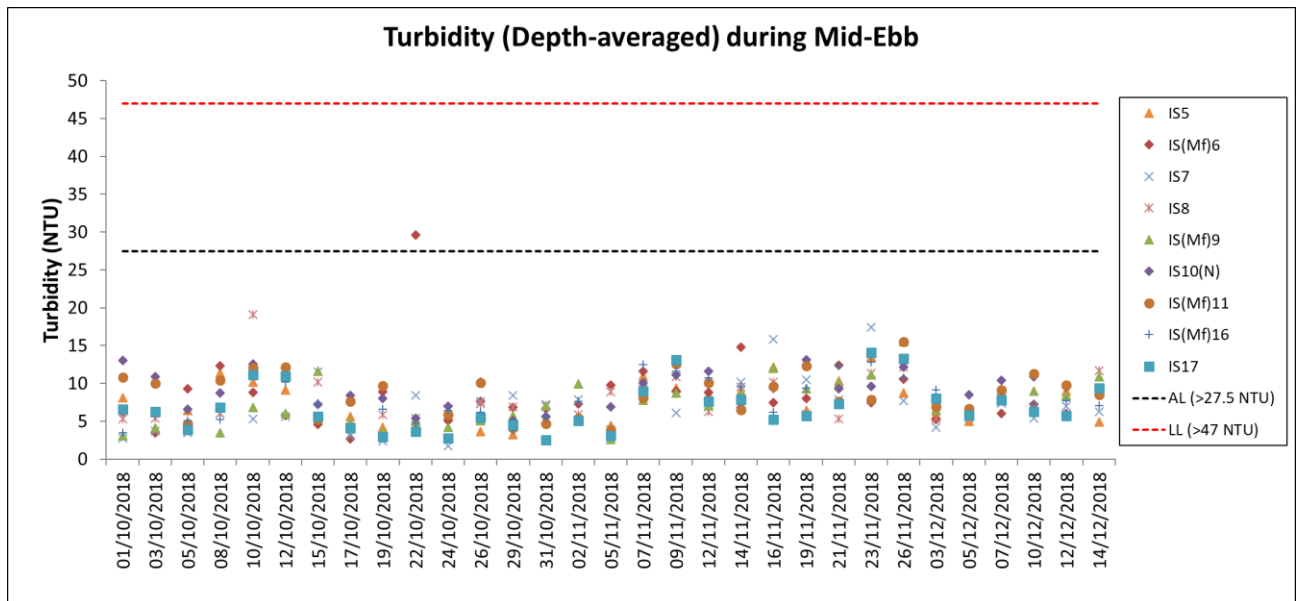
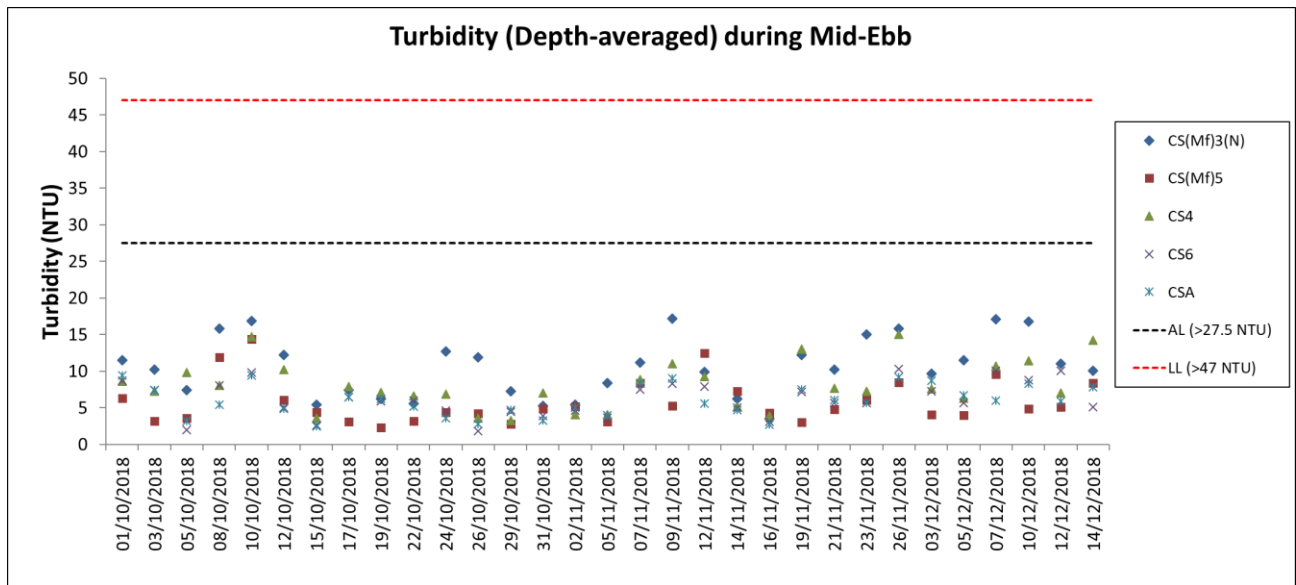
Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)												
2018-12-12	Mid-Flood	SR3(N)	Cloudy	Moderate	12:46	3.6	Surface	1st	20.4	8.2	30.5	7.4	7.4	98.0	8.7	9.2		3.7	3.7											
							Surface	2nd	20.4	8.2	30.5	7.4																		
							Middle	1st	-	-	-	-	8.0	105.6	9.9					-	-									
							Middle	2nd	-	-	-	-																		
							Bottom	1st	20.4	8.2	30.4	8.0	8.0	105.2	9.6					-	-									
							Bottom	2nd	20.4	8.2	30.3	8.0																		
2018-12-14	Mid-Ebb	SR10A(N)	Fine	Moderate	4:43	12.5	Surface	1st	21.1	8.0	33.5	7.0	7.1	96.2	8.4	11.0		5.9	6.5											
							Surface	2nd	21.1	8.0	33.5	7.0																		
							Middle	1st	21.0	8.0	33.5	7.1	7.2	97.6	13.3					-	-									
							Middle	2nd	21.0	8.0	33.5	7.1																		
							Bottom	1st	21.0	8.0	33.5	7.2	7.2	97.5	13.3					-	-									
							Bottom	2nd	21.0	8.0	33.5	7.1																		
							2018-12-14	Mid-Ebb	SR10B(N2)	Fine	Moderate	4:52	6.5	Surface	1st					21.1	8.0	33.5	7.0	7.0	95.4	3.2	5.4		5.5	5.5
														Surface	2nd					21.1	8.0	33.5	7.0							
Middle	1st	21.1	8.0	33.5	7.0	7.0								95.4	5.6	-	-													
Middle	2nd	21.1	8.0	33.5	7.0																									
Bottom	1st	21.1	8.0	33.5	7.0	7.0								95.6	7.4	-	-													
Bottom	2nd	21.1	8.0	33.5	7.0																									
2018-12-14	Mid-Ebb	CSA	Cloudy	Moderate	5:00	33.1								Surface	1st	21.3	8.3	32.4	7.1	7.1	96.4	5.3	7.8		8.1	8.1				
														Surface	2nd	21.3	8.3	32.4	7.1											
							Middle	1st	21.3	8.2	32.5	7.1	7.1	97.0	12.9	-	-													
							Middle	2nd	21.3	8.2	32.5	7.1																		
							Bottom	1st	21.3	8.2	32.5	7.1	7.1	97.0	12.4	-	-													
							Bottom	2nd	21.3	8.2	32.5	7.1																		
							2018-12-14	Mid-Ebb	CS6	Cloudy	Moderate	5:15	8.6	Surface	1st	21.3	8.3	32.4	7.1	7.1	96.2	5.1					5.1		6.9	6.8
														Surface	2nd	21.3	8.3	32.4	7.1											
Middle	1st	21.3	8.3	32.5	7.0	7.0								96.1	5.1	-	-													
Middle	2nd	21.3	8.3	32.5	7.0																									
Bottom	1st	21.4	8.3	32.5	7.0	7.0								96.1	5.2	-	-													
Bottom	2nd	21.4	8.3	32.5	7.0																									
2018-12-14	Mid-Ebb	CS4	Cloudy	Moderate	6:08	16.2								Surface	1st	19.8	8.3	32.3	7.5	7.5	99.2	13.1	14.2		20.6	20.1				
														Surface	2nd	19.8	8.3	32.3	7.5											
							Middle	1st	19.8	8.3	32.3	7.5	7.5	99.1	13.7	-	-													
							Middle	2nd	19.8	8.3	32.3	7.5																		
							Bottom	1st	19.9	8.3	32.3	7.5	7.5	99.0	16.1	-	-													
							Bottom	2nd	19.9	8.3	32.3	7.5																		
							2018-12-14	Mid-Ebb	SR6	Cloudy	Moderate	6:30	4.5	Surface	1st	19.8	8.3	32.3	7.5	7.5	99.1	12.7					13.3		19.3	19.9
														Surface	2nd	19.8	8.3	32.3	7.5											
Middle	1st	-	-	-	-	7.5								99.0	14.6	-	-													
Middle	2nd	-	-	-	-																									
Bottom	1st	19.9	8.3	32.3	7.5	7.5								99.0	13.1	-	-													
Bottom	2nd	19.9	8.3	32.3	7.5																									
2018-12-14	Mid-Ebb	CS(Mf)3(N)	Cloudy	Moderate	6:15	7.0								Surface	1st	20.0	8.3	31.7	7.4	7.4	97.9	9.5	10.1		12.0	12.6				
														Surface	2nd	20.0	8.3	31.7	7.4											
							Middle	1st	19.9	8.3	31.7	7.4	7.4	97.9	9.5	-	-													
							Middle	2nd	19.9	8.3	31.7	7.4																		
							Bottom	1st	19.9	8.3	31.7	7.4	7.4	97.7	11.1	-	-													
							Bottom	2nd	19.9	8.3	31.7	7.4																		
							2018-12-14	Mid-Ebb	SR5(N)	Cloudy	Moderate	5:52	9.2	Surface	1st	19.8	8.3	32.3	7.5	7.5	99.0	12.7					13.0		20.4	20.2
														Surface	2nd	19.8	8.3	32.3	7.5											
Middle	1st	19.8	8.3	32.3	7.5	7.4								98.9	12.3	-	-													
Middle	2nd	19.8	8.3	32.3	7.5																									
Bottom	1st	19.8	8.3	32.3	7.4	7.4								98.5	14.0	-	-													
Bottom	2nd	19.8	8.3	32.3	7.4																									
2018-12-14	Mid-Ebb	IS10(N)	Cloudy	Moderate	5:47	12.4								Surface	1st	19.7	8.3	32.1	7.4	7.4	98.2	7.8	8.6		17.1	18.6				
														Surface	2nd	19.7	8.3	32.1	7.4											
							Middle	1st	19.7	8.3	32.1	7.4	7.4	98.1	8.4	-	-													
							Middle	2nd	19.7	8.3	32.1	7.4																		
							Bottom	1st	19.7	8.3	32.1	7.4	7.4	97.9	9.5	-	-													
							Bottom	2nd	19.7	8.3	32.1	7.4																		
							2018-12-14	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	5:39	11.2	Surface	1st	19.7	8.3	32.1	7.4	7.4	98.3	8.2					8.5		12.6	13.9
														Surface	2nd	19.7	8.3	32.1	7.4											
Middle	1st	19.7	8.3	32.1	7.4	7.4								98.2	8.5	-	-													
Middle	2nd	19.7	8.3	32.1	7.4																									
Bottom	1st	19.7	8.3	32.1	7.4	7.4								98.1	8.9	-	-													
Bottom	2nd	19.7	8.3	32.1	7.4																									

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)	
2018-12-14	Mid-Ebb	CS(Mf)5	Fine	Moderate	5:12	11.5	Surface	1st	21.1	8.0	33.5	7.0	7.0	95.1	5.7	8.4		5.0	5.5
							Surface	2nd	21.1	8.0	33.5	7.0						95.1	
							Middle	1st	21.1	8.0	33.5	6.9	7.0	95.0	7.6			5.7	
							Middle	2nd	21.1	8.0	33.5	6.9						95.0	
							Bottom	1st	21.1	8.0	33.5	7.0	95.1	11.8	5.8				
							Bottom	2nd	21.1	8.0	33.5	7.0			95.1			11.8	
2018-12-14	Mid-Ebb	SR7	Cloudy	Moderate	5:33	4.2	Surface	1st	19.7	8.3	32.1	7.5	7.5	98.4	8.0	8.2		10.1	11.5
							Surface	2nd	19.7	8.3	32.1	7.5						98.4	
							Middle	1st	-	-	-	-	7.5	98.5	8.3			-	
							Middle	2nd	-	-	-	-						98.5	
							Bottom	1st	19.7	8.3	32.1	7.5	98.4	8.5	12.8				
							Bottom	2nd	19.7	8.3	32.1	7.5			98.4			8.5	
2018-12-14	Mid-Ebb	IS17	Fine	Moderate	5:24	9.5	Surface	1st	21.1	8.0	33.5	6.9	6.9	95.0	5.5	9.4		3.5	4.1
							Surface	2nd	21.1	8.0	33.5	6.9						95.0	
							Middle	1st	21.1	8.0	33.5	6.9	6.9	94.9	10.5			3.7	
							Middle	2nd	21.1	8.0	33.5	6.9						94.9	
							Bottom	1st	21.1	8.0	33.5	6.9	94.9	12.3	5.4				
							Bottom	2nd	21.1	8.0	33.5	6.9			94.9			12.4	
2018-12-14	Mid-Ebb	IS(Mf)16	Fine	Moderate	5:34	5.6	Surface	1st	21.1	8.0	33.5	6.9	6.9	94.8	4.3	7.1		6.5	6.7
							Surface	2nd	21.1	8.0	33.5	6.9						94.8	
							Middle	1st	-	-	-	-	6.9	94.8	9.9			-	
							Middle	2nd	-	-	-	-						94.8	
							Bottom	1st	21.1	8.0	33.5	6.9	94.7	9.8	6.9				
							Bottom	2nd	21.1	8.0	33.5	6.9			94.7			9.8	
2018-12-14	Mid-Ebb	IS8	Fine	Moderate	6:02	3.4	Surface	1st	19.1	7.9	32.6	7.2	7.2	94.5	7.7	11.7		5.2	6.4
							Surface	2nd	19.1	8.0	32.6	7.2						94.5	
							Middle	1st	-	-	-	-	7.2	94.6	15.9			-	
							Middle	2nd	-	-	-	-						94.6	
							Bottom	1st	19.2	8.0	32.7	7.2	94.6	15.9	7.4				
							Bottom	2nd	19.2	8.0	32.7	7.2			94.6			15.9	
2018-12-14	Mid-Ebb	SR4(N)	Fine	Moderate	5:51	3.2	Surface	1st	19.1	8.0	32.5	7.3	7.3	95.0	6.6	10.2		4.5	5.8
							Surface	2nd	19.1	8.0	32.5	7.3						95.0	
							Middle	1st	-	-	-	-	7.3	95.0	13.7			-	
							Middle	2nd	-	-	-	-						95.0	
							Bottom	1st	19.1	8.0	32.5	7.3	95.0	13.8	6.9				
							Bottom	2nd	19.1	8.0	32.5	7.3			95.0			13.8	
2018-12-14	Mid-Ebb	IS(Mf)9	Fine	Moderate	6:11	3.2	Surface	1st	19.2	7.9	32.6	7.2	7.2	94.5	5.6	10.9		5.7	6.6
							Surface	2nd	19.1	7.9	32.6	7.2						94.5	
							Middle	1st	-	-	-	-	7.2	94.4	16.0			-	
							Middle	2nd	-	-	-	-						94.4	
							Bottom	1st	19.1	7.9	32.6	7.2	94.4	16.3	7.2				
							Bottom	2nd	19.1	7.9	32.6	7.2			94.4			16.3	
2018-12-14	Mid-Ebb	IS7	Fine	Moderate	6:17	2.7	Surface	1st	-	-	-	-	7.2	-	-	6.3		-	6.3
							Surface	2nd	-	-	-	-						-	
							Middle	1st	19.1	8.0	32.4	7.2	7.2	94.0	6.3			6.3	
							Middle	2nd	19.1	8.0	32.4	7.2						94.0	
							Bottom	1st	-	-	-	-	-	-	-			-	
							Bottom	2nd	-	-	-	-						-	
2018-12-14	Mid-Ebb	IS(Mf)6	Fine	Moderate	6:22	2.5	Surface	1st	-	-	-	-	7.2	-	-	6.0		-	6.4
							Surface	2nd	-	-	-	-						-	
							Middle	1st	19.0	8.0	32.4	7.2	-	93.8	6.0			6.3	
							Middle	2nd	19.0	8.0	32.4	7.2						93.8	
							Bottom	1st	-	-	-	-	-	-	-			-	
							Bottom	2nd	-	-	-	-						-	
2018-12-14	Mid-Ebb	IS5	Fine	Moderate	6:28	8.2	Surface	1st	19.0	8.0	32.4	7.2	7.2	93.6	3.1	4.9		7.3	7.3
							Surface	2nd	19.0	8.0	32.3	7.2						93.6	
							Middle	1st	19.1	8.0	32.5	7.2	7.2	93.9	5.4			7.4	
							Middle	2nd	19.1	8.0	32.5	7.2						93.9	
							Bottom	1st	19.1	8.0	32.4	7.2	93.7	6.2	8.0				
							Bottom	2nd	19.1	8.0	32.4	7.2			93.7			6.2	
2018-12-14	Mid-Ebb	SR3(N)	Fine	Moderate	6:32	3.5	Surface	1st	19.1	8.0	32.4	7.2	7.2	93.6	6.4	10.4		5.9	6.5
							Surface	2nd	19.1	8.0	32.4	7.2						93.6	
							Middle	1st	-	-	-	-	7.2	93.5	14.3			-	
							Middle	2nd	-	-	-	-						93.5	
							Bottom	1st	19.1	8.0	32.4	7.2	93.6	14.3	7.1				
							Bottom	2nd	19.1	8.0	32.4	7.2			93.6			14.3	

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-14	Mid-Flood	SR10A(N)	Fine	Moderate	13:20	13.7	Surface	1st	21.0	8.1	33.5	7.1	7.2	97.0	6.1	8.1	6.9	7.1
							Surface	2nd	21.0	8.1	33.5	7.1						
							Middle	1st	21.0	8.1	33.5	7.2						
							Middle	2nd	21.0	8.1	33.5	7.2	7.2	98.8	11.8			
							Bottom	1st	21.0	8.1	33.5	7.2						
							Bottom	2nd	21.0	8.1	33.5	7.2						
2018-12-14	Mid-Flood	SR10B(N2)	Fine	Moderate	13:24	6.2	Surface	1st	21.1	8.1	33.5	7.1	7.2	96.8	7.3	13.1	6.9	6.8
							Surface	2nd	21.1	8.1	33.5	7.1						
							Middle	1st	21.0	8.1	33.5	7.2						
							Middle	2nd	21.0	8.1	33.5	7.2	7.3	99.9	16.5			
							Bottom	1st	21.0	8.1	33.5	7.3						
							Bottom	2nd	21.0	8.1	33.5	7.3						
2018-12-14	Mid-Flood	CSA	Cloudy	Moderate	13:03	32.8	Surface	1st	21.4	8.3	32.5	7.0	7.0	95.8	3.9	4.3	4.9	5.7
							Surface	2nd	21.4	8.3	32.5	7.0						
							Middle	1st	21.4	8.3	32.5	7.0						
							Middle	2nd	21.4	8.3	32.5	7.0	7.0	95.5	4.5			
							Bottom	1st	21.4	8.3	32.5	7.0						
							Bottom	2nd	21.4	8.3	32.5	7.0						
2018-12-14	Mid-Flood	CS6	Cloudy	Moderate	12:53	8.7	Surface	1st	21.2	8.3	32.5	7.1	7.1	96.2	5.4	5.7	7.2	7.1
							Surface	2nd	21.2	8.3	32.5	7.1						
							Middle	1st	21.2	8.3	32.5	7.1						
							Middle	2nd	21.2	8.3	32.5	7.1	7.2	97.3	5.7			
							Bottom	1st	21.2	8.3	32.5	7.2						
							Bottom	2nd	21.2	8.3	32.5	7.1						
2018-12-14	Mid-Flood	CS4	Cloudy	Moderate	11:56	16.3	Surface	1st	20.9	8.3	32.3	7.2	7.2	97.3	5.4	5.7	6.7	7.5
							Surface	2nd	20.9	8.3	32.3	7.2						
							Middle	1st	20.9	8.3	32.3	7.2						
							Middle	2nd	20.9	8.3	32.3	7.2	7.2	97.0	6.0			
							Bottom	1st	20.8	8.3	32.3	7.2						
							Bottom	2nd	20.8	8.3	32.3	7.2						
2018-12-14	Mid-Flood	SR6	Cloudy	Moderate	11:33	4.4	Surface	1st	20.2	8.3	31.6	7.4	7.4	97.9	7.6	8.0	10.5	10.5
							Surface	2nd	20.2	8.3	31.6	7.4						
							Middle	1st	-	-	-	-						
							Middle	2nd	-	-	-	-	7.4	98.6	8.4			
							Bottom	1st	20.2	8.3	31.6	7.4						
							Bottom	2nd	20.2	8.3	31.6	7.4						
2018-12-14	Mid-Flood	CS(Mf)3(N)	Cloudy	Moderate	11:44	7.0	Surface	1st	20.2	8.3	32.2	7.4	7.4	98.2	6.8	7.8	8.3	8.5
							Surface	2nd	20.2	8.3	32.2	7.4						
							Middle	1st	20.2	8.3	32.2	7.3						
							Middle	2nd	20.2	8.3	32.2	7.3	7.4	98.0	7.7			
							Bottom	1st	20.2	8.3	32.2	7.4						
							Bottom	2nd	20.2	8.3	32.2	7.4						
2018-12-14	Mid-Flood	SR5(N)	Cloudy	Moderate	12:15	9.1	Surface	1st	20.4	8.3	32.0	7.2	7.2	96.5	7.4	9.3	9.4	11.1
							Surface	2nd	20.4	8.3	32.0	7.2						
							Middle	1st	20.5	8.3	32.1	7.2						
							Middle	2nd	20.5	8.3	32.1	7.2	7.2	96.9	12.6			
							Bottom	1st	20.5	8.3	32.1	7.2						
							Bottom	2nd	20.5	8.3	32.1	7.2						
2018-12-14	Mid-Flood	IS10(N)	Cloudy	Moderate	12:20	12.3	Surface	1st	20.1	8.3	32.1	7.3	7.3	96.9	8.7	9.9	12.5	12.8
							Surface	2nd	20.1	8.3	32.1	7.3						
							Middle	1st	20.1	8.3	32.1	7.3						
							Middle	2nd	20.1	8.3	32.1	7.3	7.3	97.4	10.9			
							Bottom	1st	20.0	8.3	32.1	7.3						
							Bottom	2nd	20.0	8.3	32.1	7.3						
2018-12-14	Mid-Flood	IS(Mf)11	Cloudy	Moderate	12:25	11.0	Surface	1st	20.1	8.3	32.1	7.3	7.3	96.8	7.9	7.9	9.6	11.1
							Surface	2nd	20.1	8.3	32.1	7.3						
							Middle	1st	20.1	8.3	32.1	7.3						
							Middle	2nd	20.1	8.3	32.1	7.3	7.3	96.8	7.6			
							Bottom	1st	20.1	8.3	32.1	7.3						
							Bottom	2nd	20.0	8.3	32.1	7.3						
2018-12-14	Mid-Flood	CS(Mf)5	Fine	Moderate	12:47	13.2	Surface	1st	20.9	8.1	33.5	7.1	7.1	96.2	8.0	8.1	7.3	7.7
							Surface	2nd	20.9	8.1	33.5	7.1						
							Middle	1st	20.9	8.1	33.5	7.1						
							Middle	2nd	20.9	8.1	33.5	7.1	7.2	97.5	8.7			
							Bottom	1st	20.9	8.1	33.5	7.2						
							Bottom	2nd	20.9	8.1	33.5	7.2						

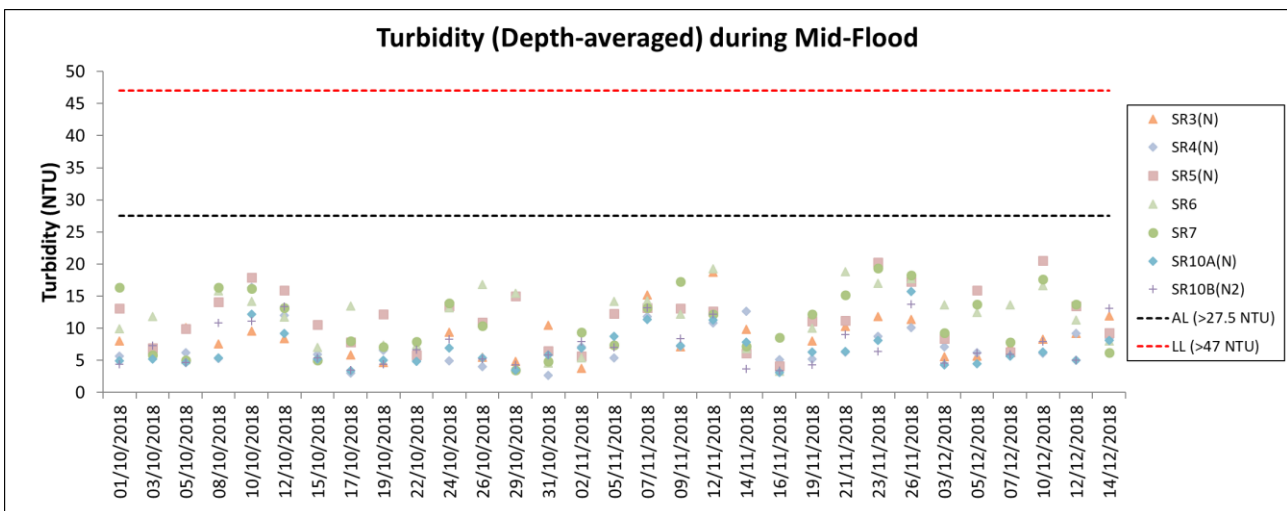
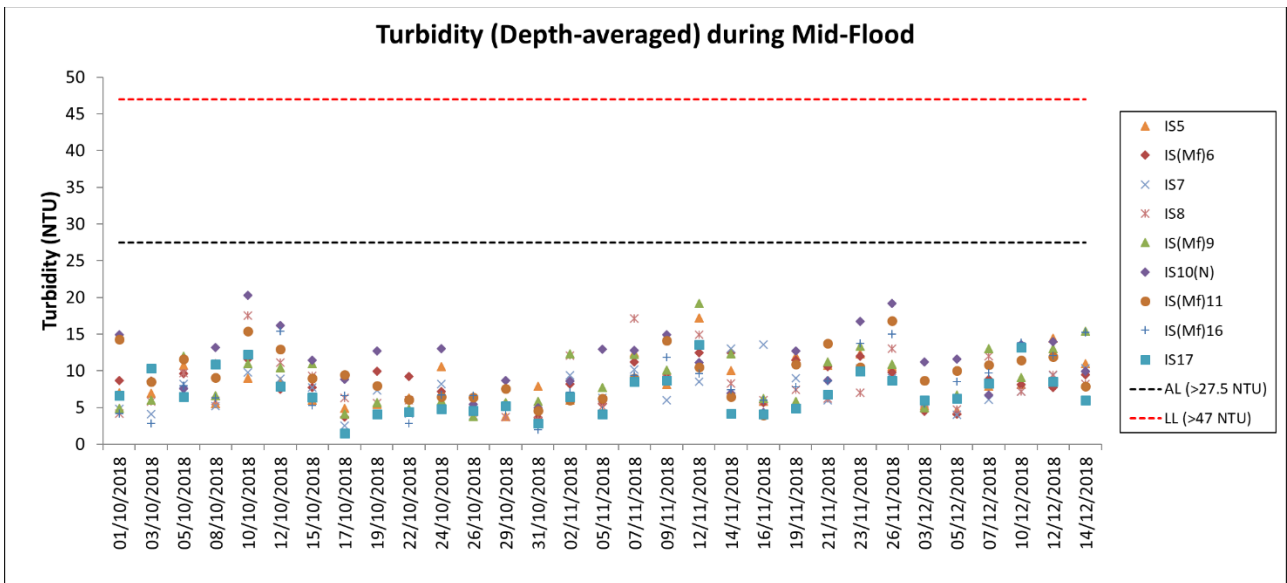
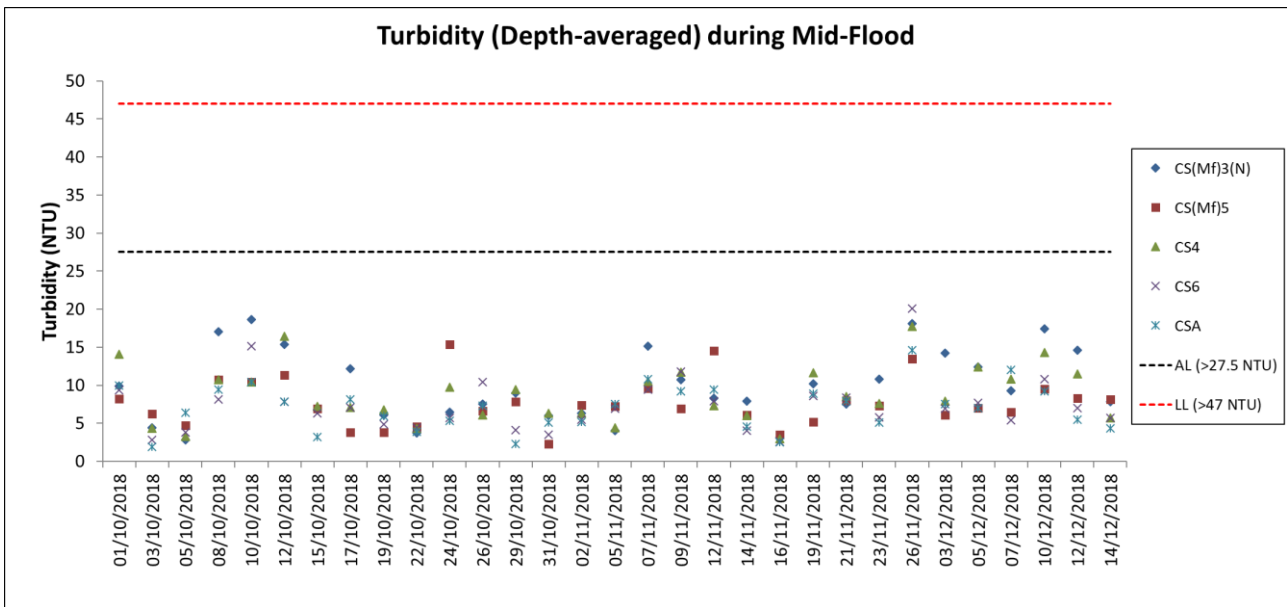
Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS	SS (mg/L) (depth-averaged)
2018-12-14	Mid-Flood	SR7	Cloudy	Moderate	12:34	4.1	Surface	1st	20.4	8.3	32.2	7.3	7.3	97.2	5.9	6.2	7.5	7.7
							Surface	2nd	20.4	8.3	32.2	7.3		97.1	5.8		7.4	
							Middle	1st	-	-	-	-	-	-	-	-	-	
							Middle	2nd	-	-	-	-	-	-	-	-	-	
							Bottom	1st	20.3	8.3	32.2	7.4	7.4	98.9	6.4	7.8		
							Bottom	2nd	20.3	8.3	32.2	7.4		98.7	6.5	8.0		
2018-12-14	Mid-Flood	IS17	Fine	Moderate	12:28	10.1	Surface	1st	20.3	8.1	33.3	7.3	7.3	97.5	5.9	6.0	4.5	7.5
							Surface	2nd	20.3	8.1	33.3	7.3		97.5	5.9		4.6	
							Middle	1st	20.4	8.1	33.3	7.3	7.6	97.9	6.0	7.6		
							Middle	2nd	20.4	8.1	33.3	7.3		97.9	6.0	7.9		
							Bottom	1st	20.4	8.1	33.3	7.6	102.6	6.0	10.0			
							Bottom	2nd	20.4	8.1	33.3	7.6	102.6	6.0	10.2			
2018-12-14	Mid-Flood	IS(Mf)16	Fine	Moderate	12:22	5.2	Surface	1st	19.9	8.1	33.0	7.3	7.3	97.6	14.2	15.2	6.3	7.4
							Surface	2nd	19.9	8.1	33.0	7.3		97.6	14.2		6.0	
							Middle	1st	-	-	-	-	-	-	-	-	-	
							Middle	2nd	-	-	-	-	-	-	-	-	-	
							Bottom	1st	19.9	8.1	33.1	7.4	7.4	98.2	16.1	8.6		
							Bottom	2nd	19.9	8.1	33.1	7.4		98.2	16.1	8.8		
2018-12-14	Mid-Flood	IS8	Fine	Moderate	12:05	4.6	Surface	1st	20.2	8.1	32.8	7.2	7.2	96.4	8.2	8.2	16.4	17.7
							Surface	2nd	20.2	8.1	32.8	7.2		96.4	8.2		16.8	
							Middle	1st	-	-	-	-	-	-	-	-	-	
							Middle	2nd	-	-	-	-	-	-	-	-	-	
							Bottom	1st	20.2	8.1	32.9	7.3	7.3	98.4	8.2	18.6		
							Bottom	2nd	20.2	8.1	32.9	7.3		98.4	8.2	18.9		
2018-12-14	Mid-Flood	SR4(N)	Fine	Moderate	12:09	3.8	Surface	1st	20.0	8.1	32.6	7.1	7.1	95.3	7.9	8.4	8.4	9.8
							Surface	2nd	20.0	8.1	32.6	7.1		95.3	7.9		8.0	
							Middle	1st	-	-	-	-	-	-	-	-	-	
							Middle	2nd	-	-	-	-	-	-	-	-	-	
							Bottom	1st	20.3	8.1	33.0	7.4	7.4	99.3	8.8	11.2		
							Bottom	2nd	20.3	8.1	33.0	7.4		99.3	8.8	11.6		
2018-12-14	Mid-Flood	IS(Mf)9	Fine	Moderate	11:58	4.2	Surface	1st	19.6	8.1	32.4	7.3	7.3	96.5	13.8	15.4	9.4	10.6
							Surface	2nd	19.6	8.1	32.4	7.3		96.5	13.8		9.6	
							Middle	1st	-	-	-	-	-	-	-	-	-	
							Middle	2nd	-	-	-	-	-	-	-	-	-	
							Bottom	1st	19.6	8.1	32.4	7.8	7.8	101.7	16.9	11.7		
							Bottom	2nd	19.6	8.1	32.4	7.7		101.7	16.9	11.8		
2018-12-14	Mid-Flood	IS7	Fine	Moderate	11:51	2.8	Surface	1st	-	-	-	-	7.8	-	-	10.3	-	10.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	19.3	8.0	32.3	7.8	-	101.9	10.3	10.4		
							Middle	2nd	19.3	8.0	32.3	7.8		101.9	10.3	10.0		
							Bottom	1st	-	-	-	-	-	-	-	-	-	
							Bottom	2nd	-	-	-	-	-	-	-	-	-	
2018-12-14	Mid-Flood	IS(Mf)6	Fine	Moderate	11:44	2.6	Surface	1st	-	-	-	-	7.7	-	-	9.5	-	10.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	19.4	8.1	32.3	7.7	-	101.4	9.5	11.0		
							Middle	2nd	19.4	8.1	32.3	7.7		101.4	9.5	10.8		
							Bottom	1st	-	-	-	-	-	-	-	-	-	
							Bottom	2nd	-	-	-	-	-	-	-	-	-	
2018-12-14	Mid-Flood	IS5	Fine	Moderate	11:38	9.5	Surface	1st	19.2	8.1	32.2	7.7	7.7	99.0	8.7	11.0	9.1	9.4
							Surface	2nd	19.2	8.1	32.2	7.7		98.0	8.7		8.8	
							Middle	1st	19.1	8.1	32.2	7.8	7.7	99.1	12.0	9.0		
							Middle	2nd	19.1	8.1	32.2	7.6		99.1	12.0	9.1		
							Bottom	1st	19.1	8.1	32.2	7.7	100.4	12.3	10.0			
							Bottom	2nd	19.1	8.1	32.2	7.7	100.4	12.3	10.2			
2018-12-14	Mid-Flood	SR3(N)	Fine	Moderate	11:33	3.6	Surface	1st	19.1	8.1	32.2	7.4	7.4	95.8	11.7	11.9	11.2	11.7
							Surface	2nd	19.1	8.1	32.2	7.3		95.8	11.7		11.0	
							Middle	1st	-	-	-	-	-	-	-	-	-	
							Middle	2nd	-	-	-	-	-	-	-	-	-	
							Bottom	1st	19.1	8.1	32.2	7.4	7.4	96.3	12.0	12.1		
							Bottom	2nd	19.1	8.1	32.2	7.4		96.3	12.0	12.3		

Remark: The water quality monitoring programme by ET was resumed on 3 December 2018 to align with the Contractor’s tentative schedule of marine works, and again temporarily suspended after completion of water quality monitoring on 14 December 2018 after the Contractor confirmed that no marine works were scheduled for the remainder of the reporting month.



Remarks:

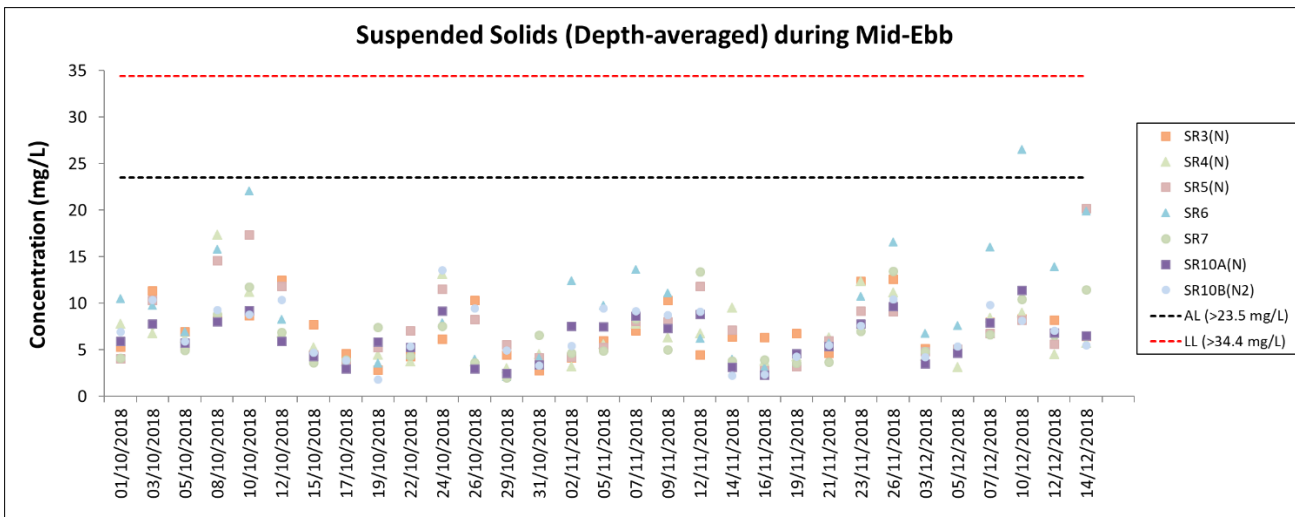
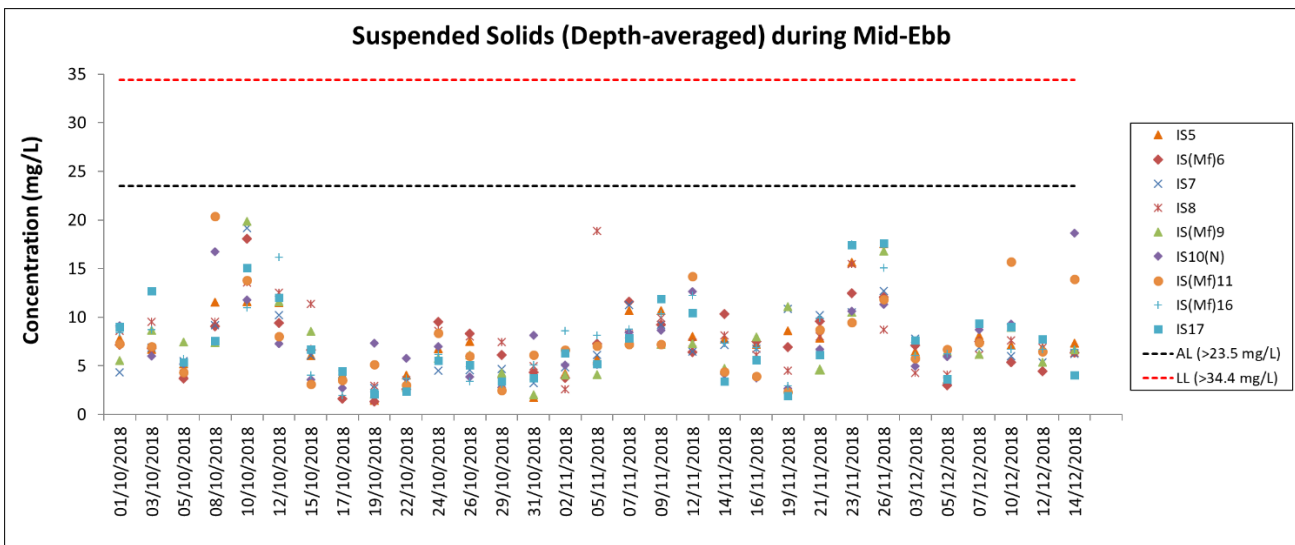
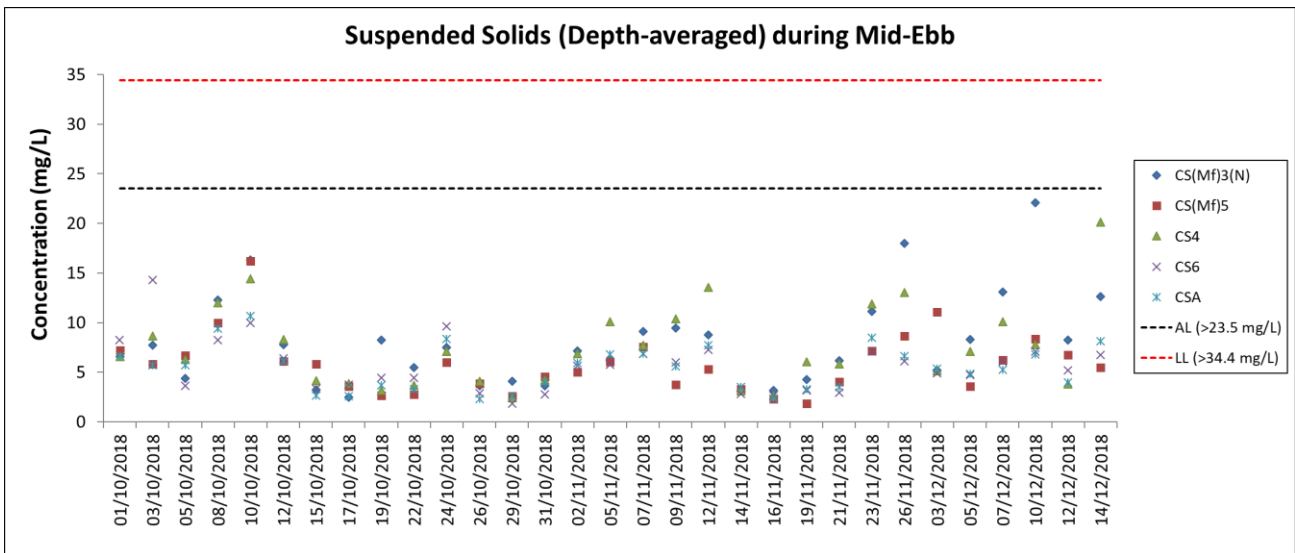
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Remarks:

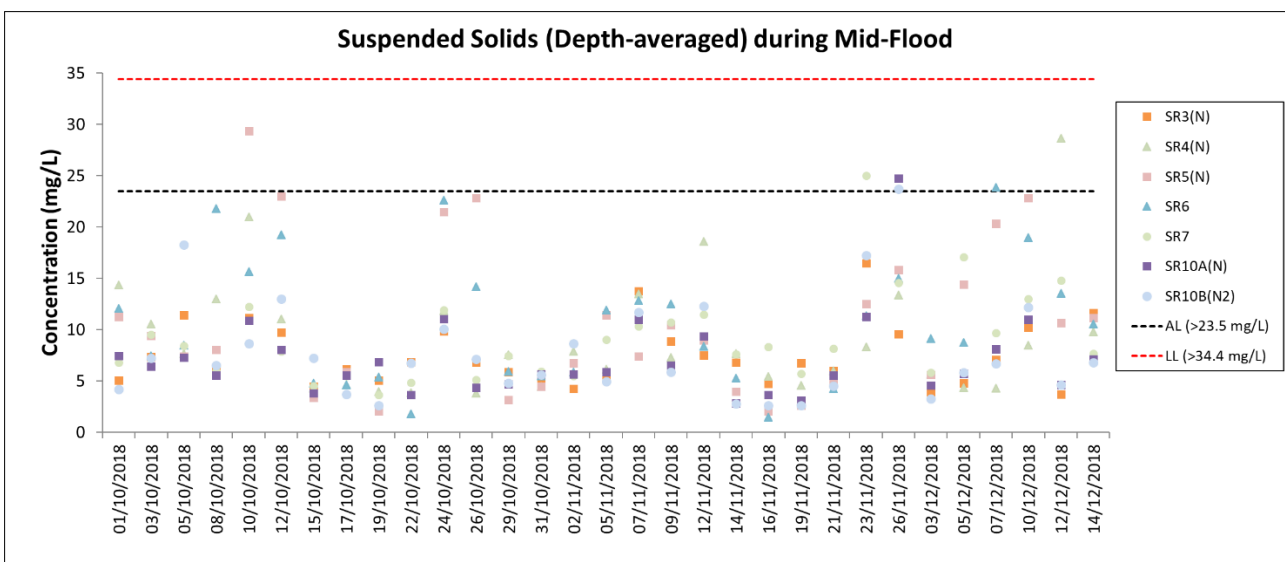
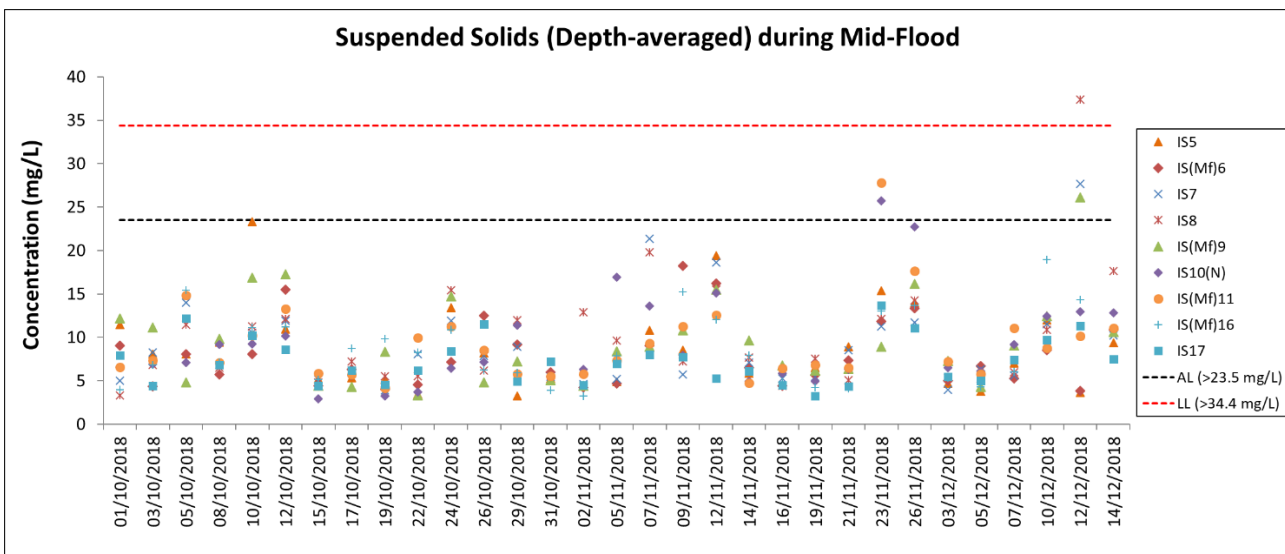
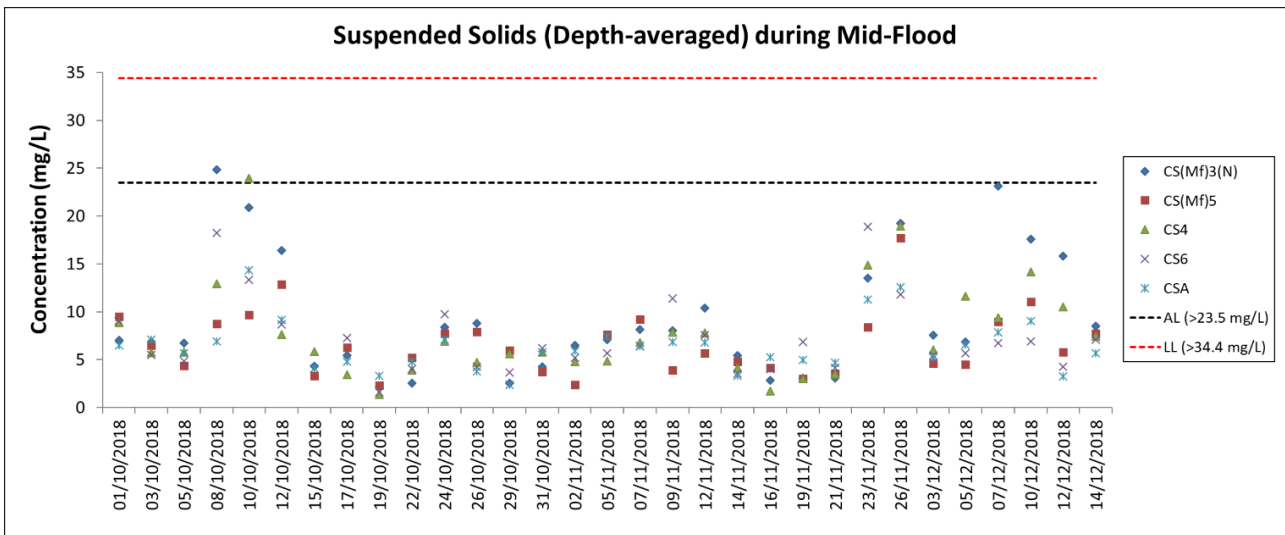
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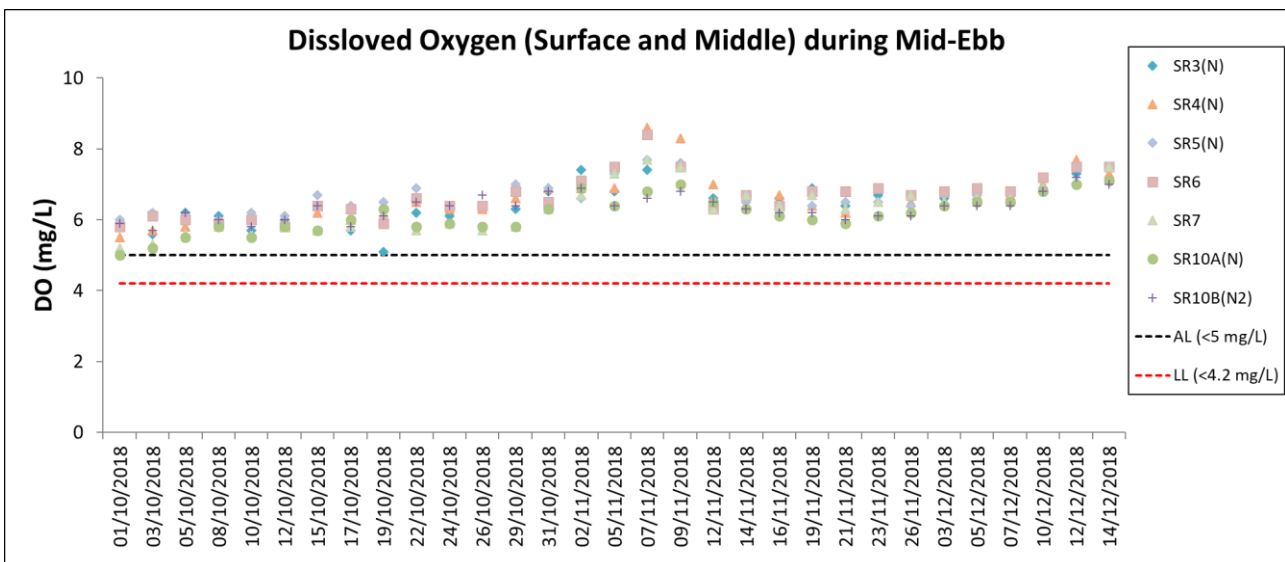
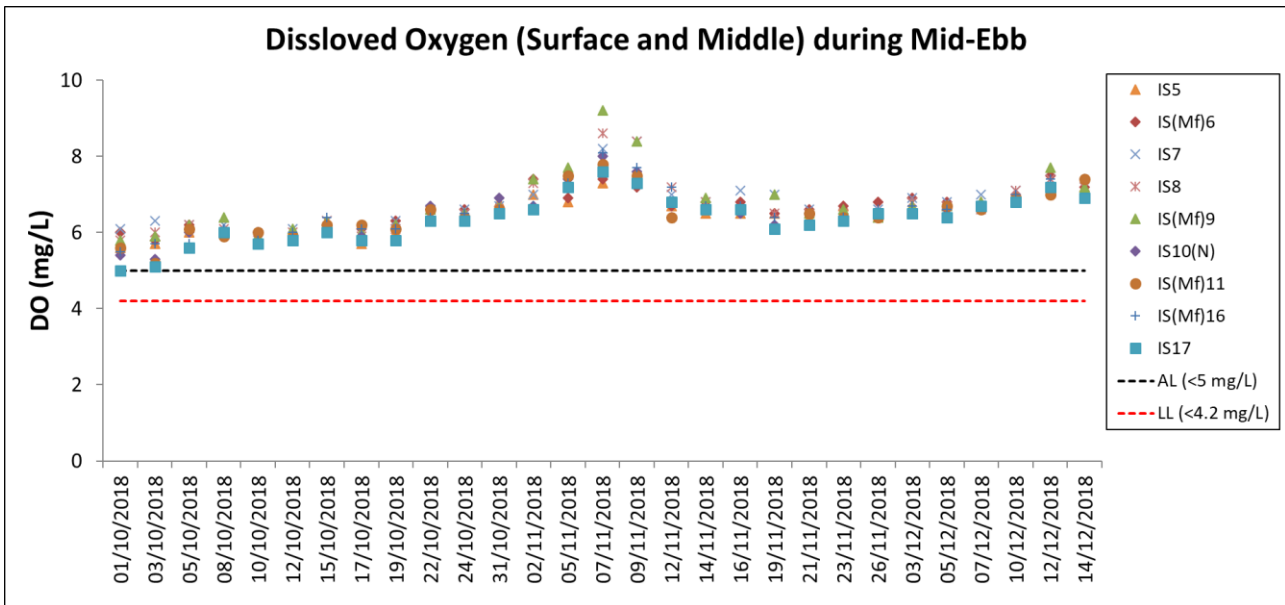
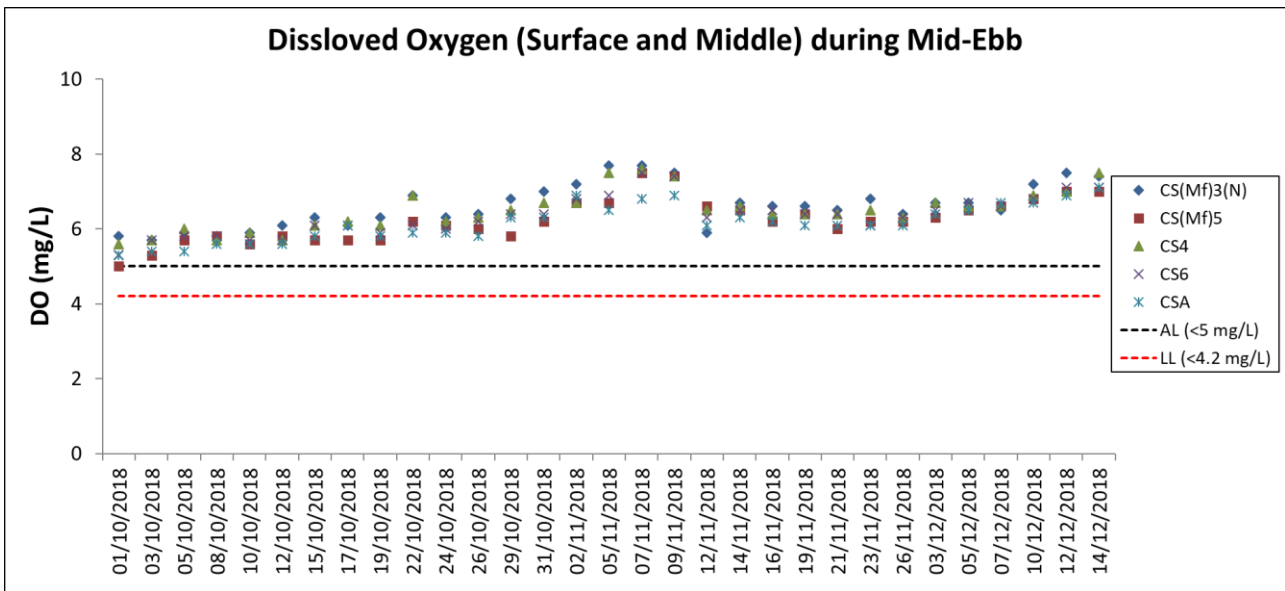
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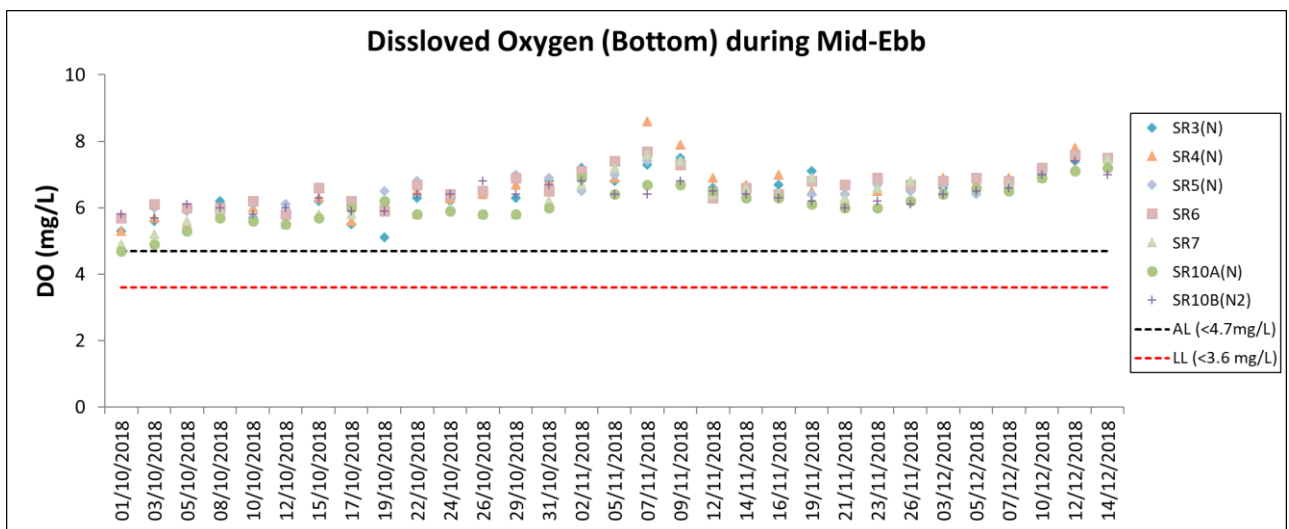
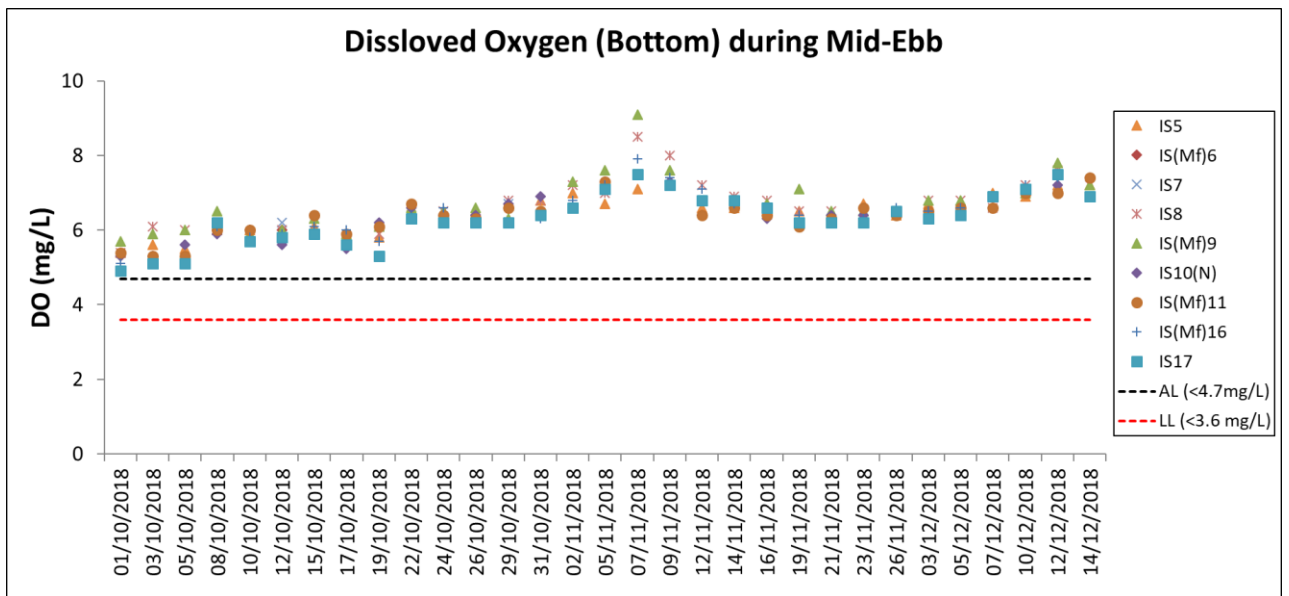
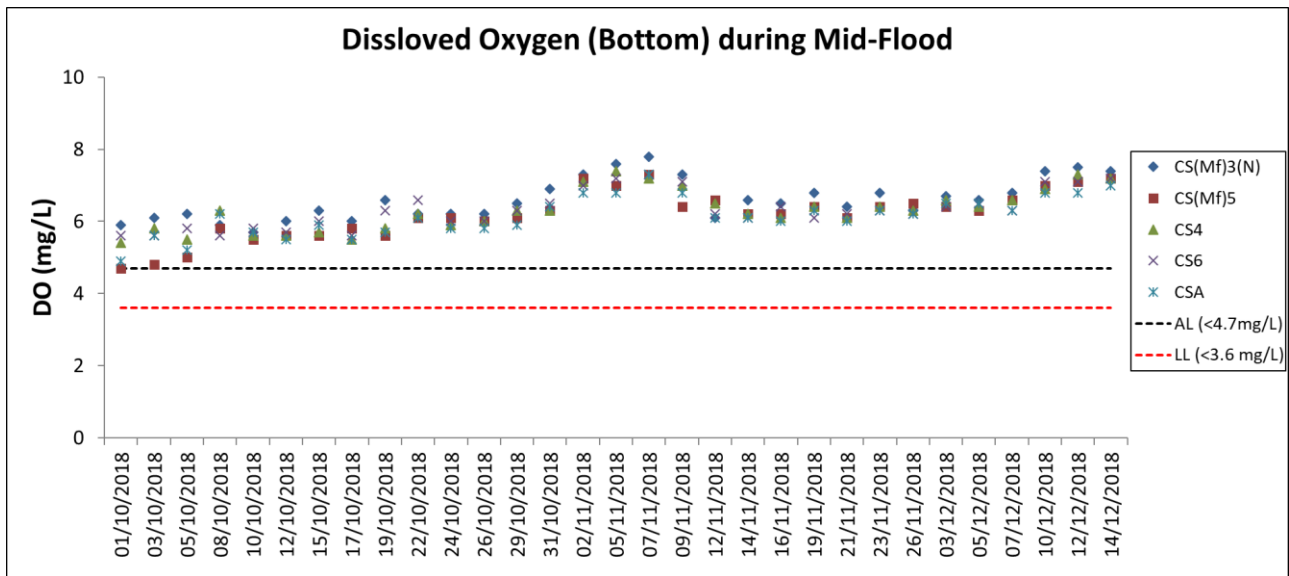
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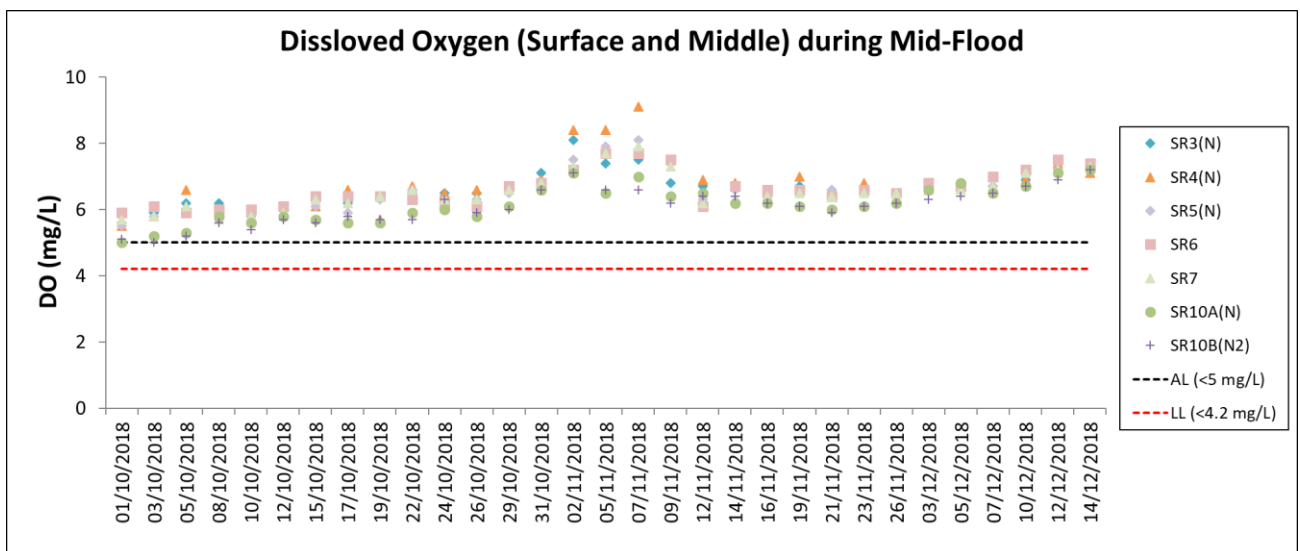
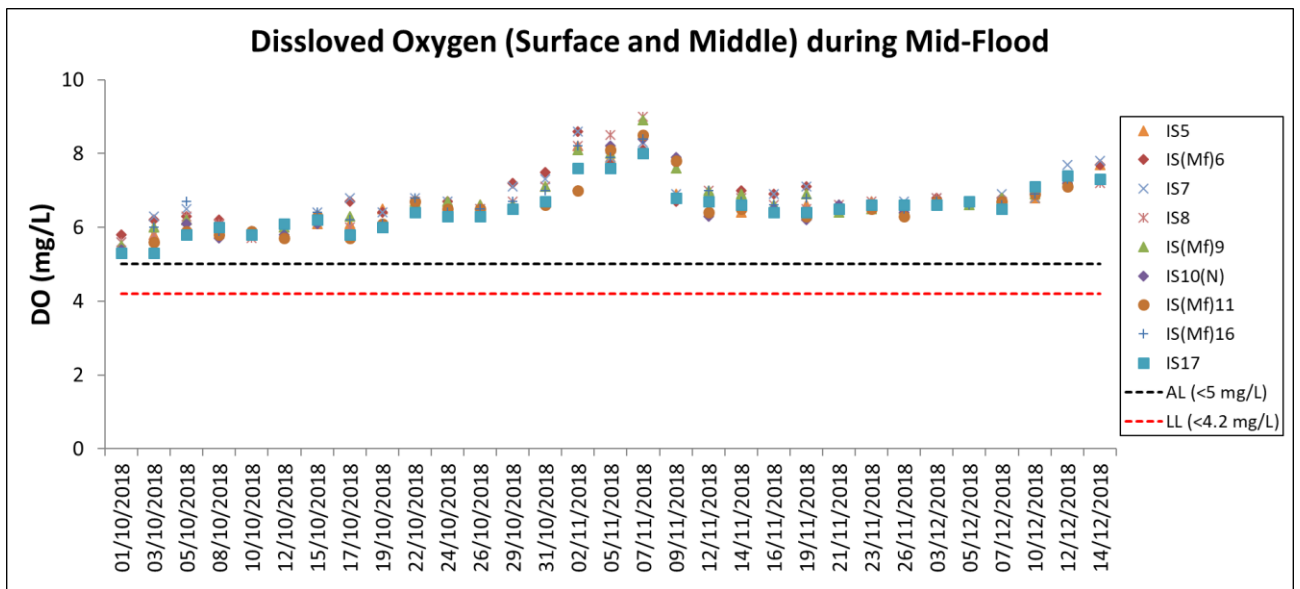
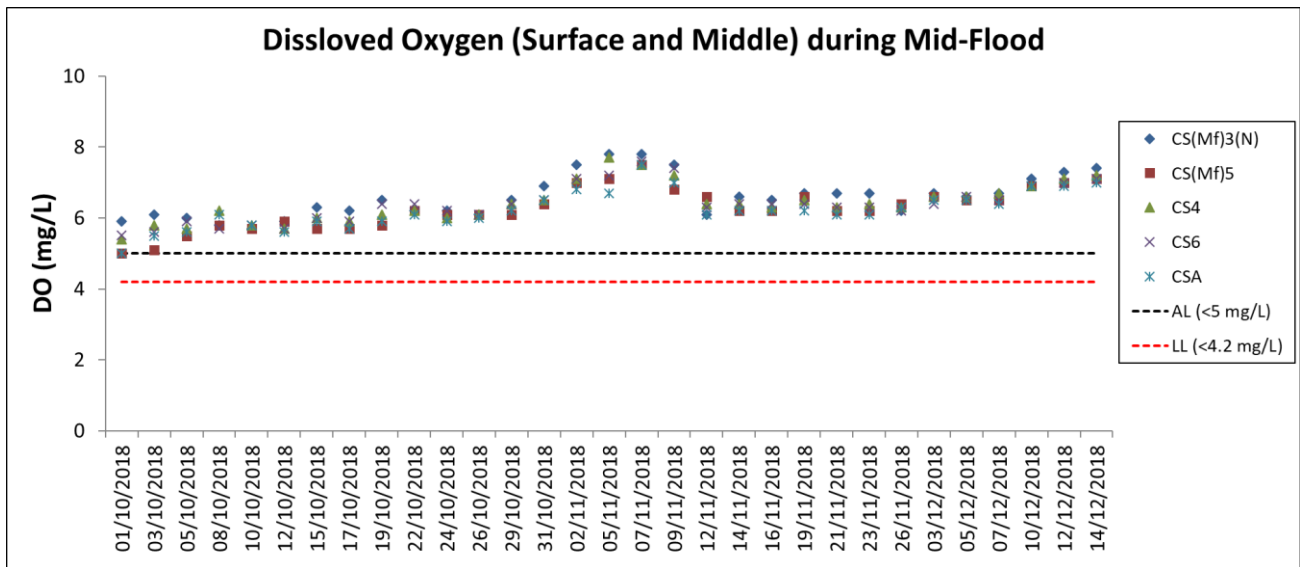
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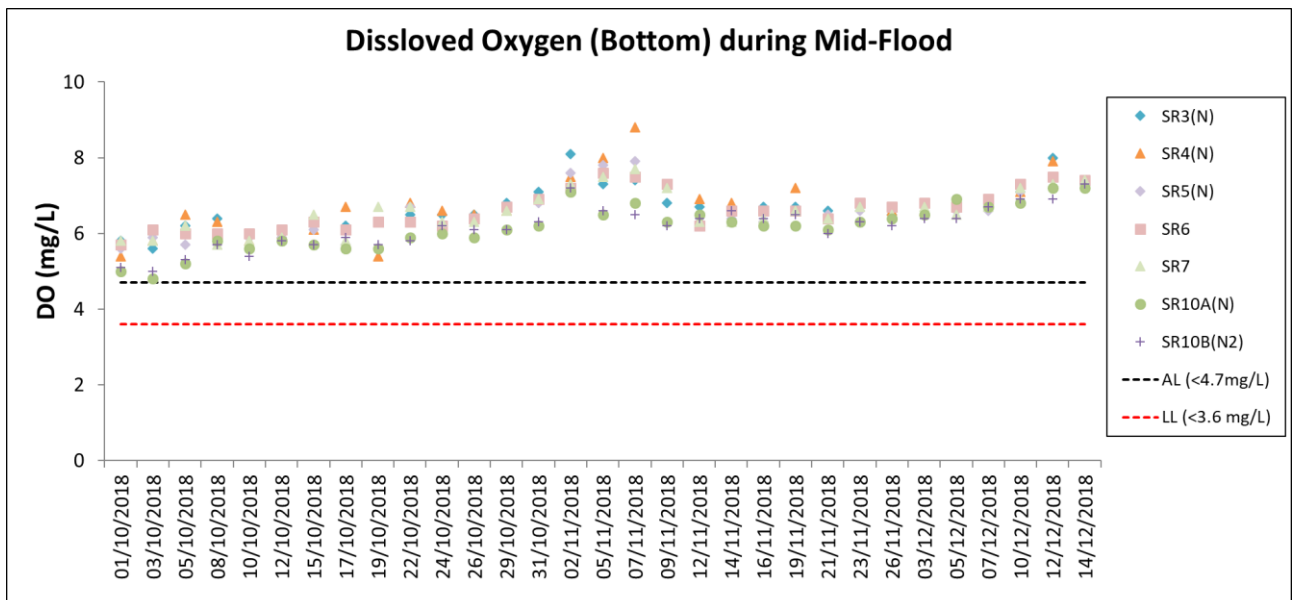
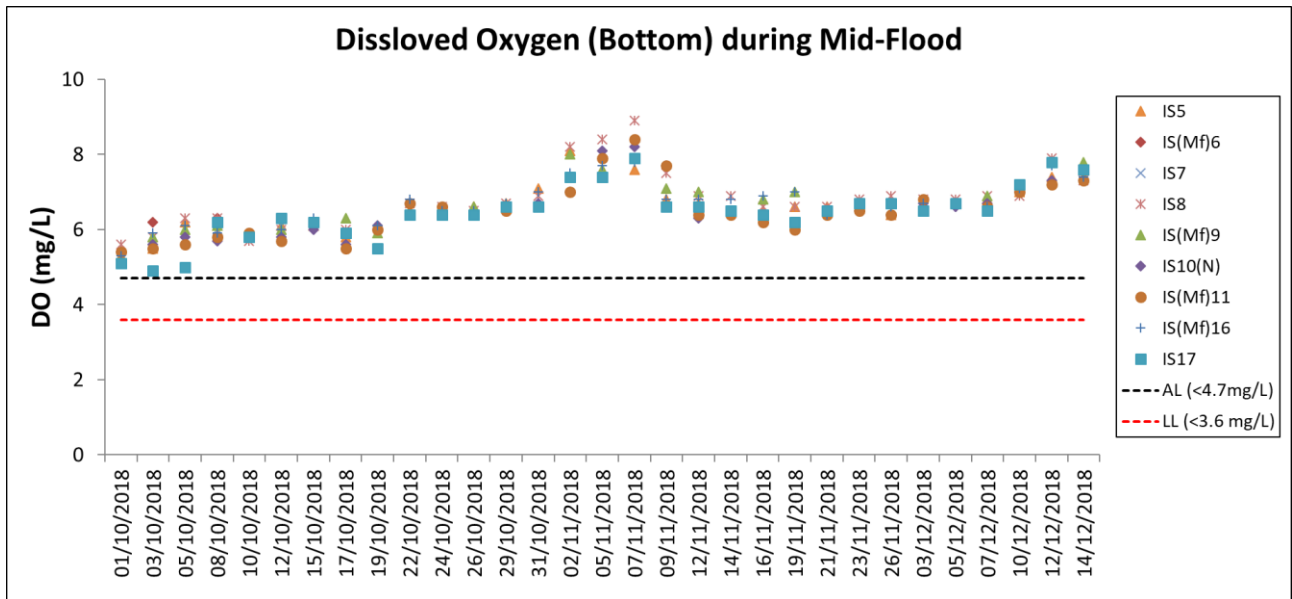
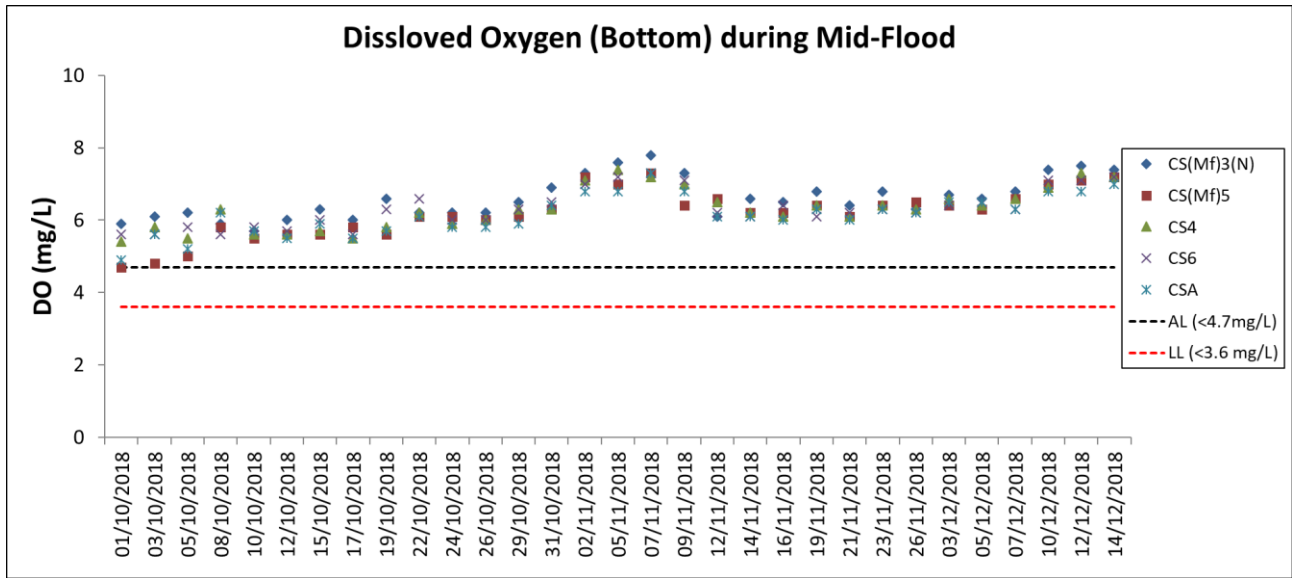
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