Project	Contract	Station	Date	Parameter	Start Time	Result	Unit
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	02-Oct-18	1-hr TSP	09:00	61	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	02-Oct-18	1-hr TSP	10:00	58	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	02-Oct-18	1-hr TSP	11:00	57	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	08-Oct-18	1-hr TSP	08:52	63	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	08-Oct-18	1-hr TSP	09:52	62	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	08-Oct-18	1-hr TSP	10:52	61	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	12-Oct-18	1-hr TSP	09:01	67	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	12-Oct-18	1-hr TSP	10:01	59	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	12-Oct-18	1-hr TSP	11:01	53	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	18-Oct-18	1-hr TSP	09:01	39	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	18-Oct-18	1-hr TSP	10:01	39	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	18-Oct-18	1-hr TSP	11:01	41	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	23-Oct-18	1-hr TSP	08:55	94	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	23-Oct-18	1-hr TSP	09:55	78	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	23-Oct-18	1-hr TSP	10:55	68	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	29-Oct-18	1-hr TSP	08:56	57	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	29-Oct-18	1-hr TSP	09:56	53	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	29-Oct-18	1-hr TSP	10:56	53	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	03-Oct-18	1-hr TSP	08:13	32	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	03-Oct-18	1-hr TSP	09:13	33	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	03-Oct-18	1-hr TSP	10:13	34	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	09-Oct-18	1-hr TSP	08:07	37	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	09-Oct-18	1-hr TSP	09:07	36	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	09-Oct-18	1-hr TSP	10:07	36	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	15-Oct-18	1-hr TSP	08:15	26	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	15-Oct-18	1-hr TSP	09:15	23	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	15-Oct-18	1-hr TSP	10:15	22	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	20-Oct-18	1-hr TSP	08:26	33	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	20-Oct-18	1-hr TSP	09:26	34	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	20-Oct-18	1-hr TSP	10:26	41	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	26-Oct-18	1-hr TSP	08:00	83	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	26-Oct-18	1-hr TSP	09:00	57	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	26-Oct-18	1-hr TSP	10:00	70	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	03-Oct-18	1-hr TSP	13:25	39	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	03-Oct-18	1-hr TSP	14:25	34	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	03-Oct-18	1-hr TSP	15:25	35	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	09-Oct-18	1-hr TSP	13:30	41	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	09-Oct-18	1-hr TSP	14:30	48	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	09-Oct-18	1-hr TSP	15:30	49	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	15-Oct-18	1-hr TSP	13:12	25	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	15-Oct-18	1-hr TSP	14:12	28	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	15-Oct-18	1-hr TSP	15:12	27	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	20-Oct-18	1-hr TSP	10:30	34	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	20-Oct-18	1-hr TSP	11:30	40	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	20-Oct-18	1-hr TSP	12:30	33	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	26-Oct-18	1-hr TSP	12:49	72	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	26-Oct-18	1-hr TSP	13:49	89	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	26-Oct-18	1-hr TSP	14:49	73	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	05-Oct-18	24-hr TSP	08:00	94	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	11-Oct-18	24-hr TSP	08:00	64	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	16-Oct-18	24-hr TSP	08:00	81	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	23-Oct-18	24-hr TSP	12:15	71	µg/m³
HKBCF	HY/2013/04	AMS2 Tung Chung Development Pier	26-Oct-18	24-hr TSP	08:00	110	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	03-Oct-18	24-hr TSP	08:07	91	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	09-Oct-18	24-hr TSP	08:00	85	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	15-Oct-18	24-hr TSP	08:17	65	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	20-Oct-18	24-hr TSP	08:27	57	µg/m³
HKBCF	HY/2013/04	AMS3C Ying Tung Estate Market Rooftop	26-Oct-18	24-hr TSP	08:00	100	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	03-Oct-18	24-hr TSP	10:25	139	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	09-Oct-18	24-hr TSP	13:25	54	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	15-Oct-18	24-hr TSP	10:20	53	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	20-Oct-18	24-hr TSP	13:00	87	µg/m³
HKBCF	HY/2013/04	AMS7B 3RS Site Office	26-Oct-18	24-hr TSP	18:14	152	µg/m³

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

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

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

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

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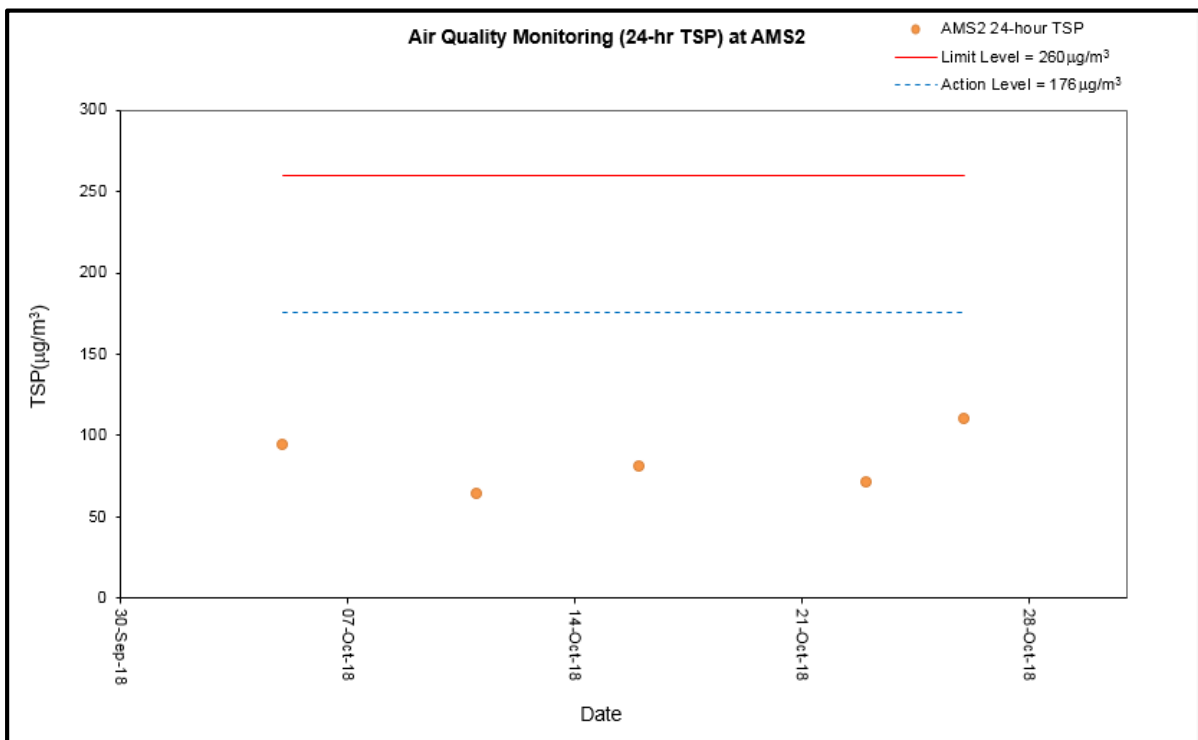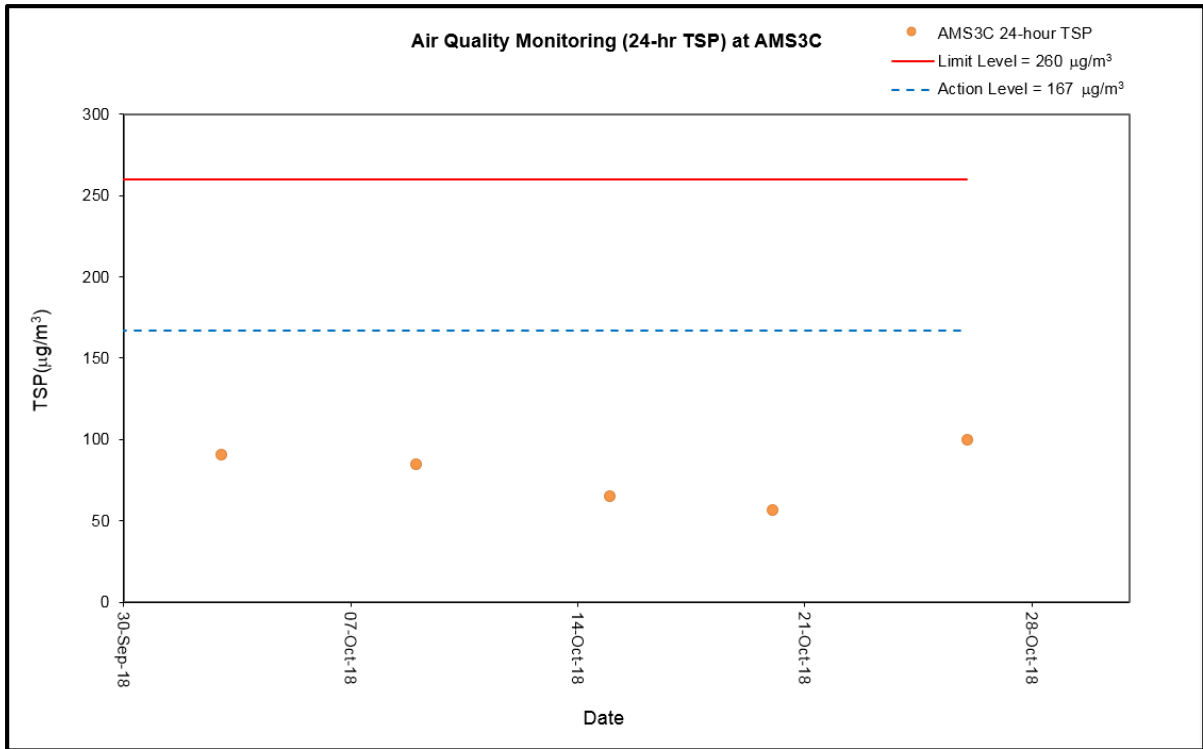

Remark: The air quality monitoring before 1 October 2018 are conducted by Contract No. HY/2013/01 Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building. Please refer the monitoring results from July 2018 to September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.

Contract No. HY/2013/04 HZMB HKBCF -
Infrastructure Works (Stage II) - Southern Portion

Noise Monitoring Data

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	03-Oct-18	NMS2 Seaview Crescent	11:02	63	66	61	Sunny	<5	Facade	75
HKBCF	HY/2013/04	09-Oct-18	NMS2 Seaview Crescent	11:11	63	65	61	Sunny	<5	Facade	75
HKBCF	HY/2013/04	15-Oct-18	NMS2 Seaview Crescent	11:11	64	67	60	Fine	<5	Facade	75
HKBCF	HY/2013/04	26-Oct-18	NMS2 Seaview Crescent	11:20	62	65	58	Sunny	<5	Facade	75
HKBCF	HY/2013/04	03-Oct-18	NMS3C Ying Tung Estate Refuse Collection Point	08:22	69	71	65	Sunny	<5	Free Field *	70
HKBCF	HY/2013/04	11-Oct-18	NMS3C Ying Tung Estate Refuse Collection Point	08:10	66	69	63	Cloudy	<5	Free Field *	70
HKBCF	HY/2013/04	15-Oct-18	NMS3C Ying Tung Estate Refuse Collection Point	08:33	68	70	65	Fine	<5	Free Field *	70
HKBCF	HY/2013/04	26-Oct-18	NMS3C Ying Tung Estate Refuse Collection Point	08:15	66	69	63	Sunny	<5	Free Field *	70

Remark: * Free field measurent; noise level shown includes +3dB(A) correction factor
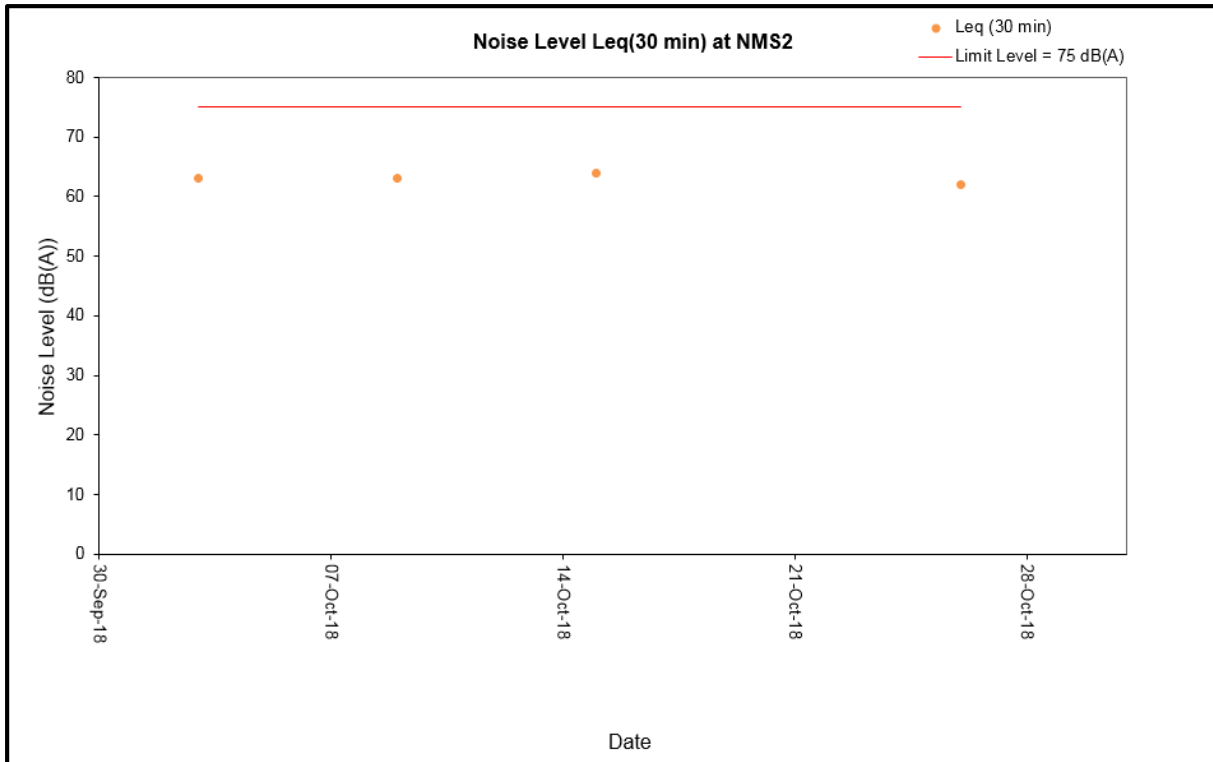
Noise Level Leq(30 min) at NMS2

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

Noise Level Leq(30 min) at NMS3C

Remark: The noise monitoring before 1 October 2018 are conducted by Contract No. HY/2013/01 Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building. Please refer the monitoring results from July 2018 to September 2018 in the published Monthly EM&A Report for Contract No. HY/2013/01.
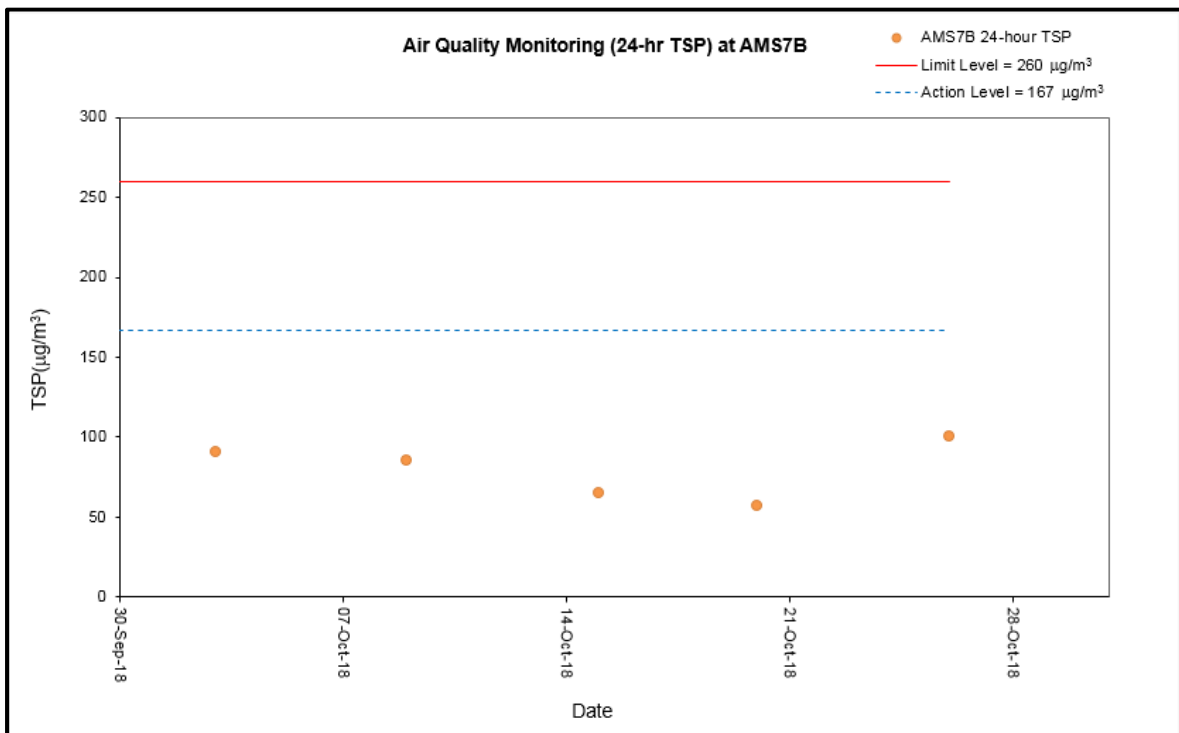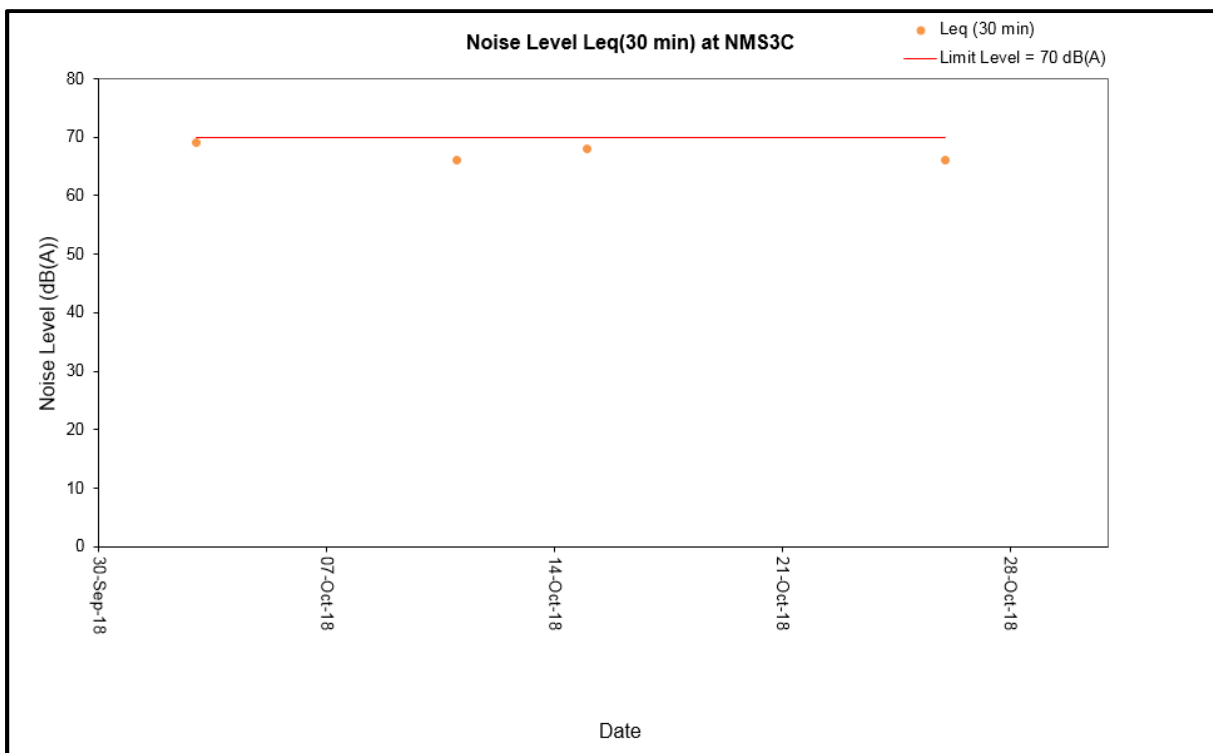
Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS (mg/L)	SS (mg/L) (depth-averaged)
2018-10-01	Mid-Ebb	SR10A(N)	Fine	Moderate	13:41	11.8	Surface	1st	27.7	8.1	27.8	5.3	5.0	78.1	2.9	4.8	5.3	5.9
							Surface	2nd	27.7	8.2	27.8	5.3		78.2	2.5		4.9	
							Middle	1st	27.4	8.0	29.2	4.6		69.1	5.6		5.1	
							Middle	2nd	27.3	8.2	29.3	4.7		69.6	5.4		6.0	
							Bottom	1st	27.4	8.0	29.4	4.7	4.7	69.8	5.9		7.5	
							Bottom	2nd	27.3	8.2	29.5	4.7		70.6	6.2		6.6	
2018-10-01	Mid-Ebb	SR10B(N2)	Fine	Moderate	13:35	6.2	Surface	1st	27.7	8.0	27.9	5.2	5.2	77.0	3.3	3.6	4.0	4.1
							Surface	2nd	27.7	8.2	27.9	5.2		77.2	3.1		3.5	
							Middle	1st	27.7	8.0	28.0	5.1		76.0	3.4		3.2	
							Middle	2nd	27.6	8.2	28.0	5.1		75.9	3.2		4.0	
							Bottom	1st	27.5	8.0	28.6	4.8	4.9	71.4	4.4		5.4	
							Bottom	2nd	27.5	8.2	28.7	4.9		72.1	4.0		4.5	
2018-10-01	Mid-Ebb	CSA	Cloudy	Moderate	13:29	32.6	Surface	1st	27.9	8.2	25.5	5.7	5.3	83.3	7.8	9.4	7.2	6.6
							Surface	2nd	27.9	8.2	25.5	5.7		83.8	7.8		8.5	
							Middle	1st	27.5	8.2	27.5	4.9		72.4	9.6		6.2	
							Middle	2nd	27.5	8.2	27.5	4.9		72.4	9.6		7.1	
							Bottom	1st	27.4	8.2	27.9	4.9	4.9	72.6	10.6		5.0	
							Bottom	2nd	27.4	8.2	27.9	4.9		72.4	10.7		5.7	
2018-10-01	Mid-Ebb	CS6	Cloudy	Moderate	13:22	9.7	Surface	1st	27.8	8.2	25.8	5.4	5.3	78.9	8.2	8.7	13.3	8.2
							Surface	2nd	27.8	8.2	25.8	5.4		79.1	8.1		4.7	
							Middle	1st	27.6	8.2	26.1	5.2		76.2	9.4		3.4	
							Middle	2nd	27.6	8.2	26.1	5.2		75.9	9.5		6.2	
							Bottom	1st	27.5	8.2	26.9	5.4	5.4	79.3	8.3		10.6	
							Bottom	2nd	27.5	8.2	26.9	5.4		78.7	8.4		11.0	
2018-10-01	Mid-Ebb	CS4	Cloudy	Moderate	12:30	17.6	Surface	1st	28.0	8.2	22.0	5.8	5.6	83.2	7.8	8.6	4.3	6.6
							Surface	2nd	28.0	8.2	22.1	5.8		83.6	7.8		5.5	
							Middle	1st	27.7	8.2	25.2	5.3		77.4	8.7		7.4	
							Middle	2nd	27.7	8.2	25.2	5.3		77.6	8.6		7.3	
							Bottom	1st	27.5	8.2	26.5	5.3	5.3	78.0	9.4		7.4	
							Bottom	2nd	27.5	8.2	26.5	5.3		77.4	9.4		7.7	
2018-10-01	Mid-Ebb	SR6	Cloudy	Moderate	11:57	4.3	Surface	1st	28.1	8.2	21.1	5.9	6.0	85.2	9.2	10.3	4.8	4.1
							Surface	2nd	28.1	8.2	21.1	6.0		85.6	9.3		4.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	25.7	5.7	5.7	84.1	11.4		3.5	
							Bottom	2nd	27.6	8.2	25.7	5.7		83.6	11.2		3.3	
2018-10-01	Mid-Ebb	CS(Mf)3(N)	Cloudy	Moderate	12:13	7.3	Surface	1st	28.0	8.2	21.0	5.8	5.8	82.5	10.2	11.5	5.6	6.6
							Surface	2nd	28.0	8.1	21.0	5.8		82.6	10.5		5.8	
							Middle	1st	27.7	8.2	23.4	5.7		82.2	13.6		6.5	
							Middle	2nd	27.7	8.2	23.4	5.7		82.1	13.4		6.9	
							Bottom	1st	27.6	8.2	25.5	5.8	5.8	84.1	10.7		6.7	
							Bottom	2nd	27.6	8.2	25.5	5.7		84.0	10.6		7.9	
2018-10-01	Mid-Ebb	SR5(N)	Cloudy	Moderate	12:47	9.4	Surface	1st	28.0	8.3	22.9	5.7	5.5	82.9	9.1	9.7	5.9	7.8
							Surface	2nd	28.0	8.3	22.9	5.8		83.7	8.9		6.3	
							Middle	1st	27.7	8.2	25.1	5.3		77.8	9.7		7.7	
							Middle	2nd	27.7	8.2	25.2	5.3		77.8	9.7		8.0	
							Bottom	1st	27.6	8.2	25.8	5.3	5.3	78.1	10.3		9.3	
							Bottom	2nd	27.6	8.2	25.8	5.3		77.9	10.3		9.7	
2018-10-01	Mid-Ebb	IS10(N)	Cloudy	Moderate	12:53	12.3	Surface	1st	27.9	8.3	23.9	5.6	5.4	81.6	10.2	13.0	10.9	9.1
							Surface	2nd	27.9	8.3	23.9	5.6		81.7	10.2		10.4	
							Middle	1st	27.6	8.2	25.7	5.2		75.6	13.5		9.4	
							Middle	2nd	27.6	8.2	25.6	5.2		75.5	13.4		8.4	
							Bottom	1st	27.6	8.2	26.1	5.3	5.3	77.6	15.1		8.4	
							Bottom	2nd	27.6	8.2	26.2	5.3		77.0	15.4		7.1	
2018-10-01	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	12:58	11.3	Surface	1st	28.0	8.2	23.8	5.8	5.6	83.9	9.0	10.8	5.1	7.3
							Surface	2nd	28.0	8.2	23.8	5.8		84.3	8.8		6.5	
							Middle	1st	27.7	8.2	25.2	5.3		77.3	10.3		7.0	
							Middle	2nd	27.7	8.2	25.2	5.3		77.3	10.4		5.4	
							Bottom	1st	27.6	8.2	25.6	5.4	5.4	79.0	13.2		9.8	
							Bottom	2nd	27.6	8.2	25.6	5.4		78.4	13.1		10.0	
2018-10-01	Mid-Ebb	CS(Mf)5	Fine	Moderate	13:09	12.0	Surface	1st	27.7	8.0	27.9	5.3	5.0	77.9	3.3	6.3	8.0	7.2
							Surface	2nd	27.7	8.2	27.9	5.3		78.1	3.0		7.1	
							Middle	1st	27.4	8.0	29.2	4.7		69.1	5.7		6.9	
							Middle	2nd	27.3	8.2	29.3	4.7		69.4	6.1		7.1	
							Bottom	1st	27.3	8.0	29.5	4.7	4.7	69.2	9.9		7.3	
							Bottom	2nd	27.3	8.2	29.5	4.6		68.0	9.5		6.8	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-01	Mid-Ebb	SR7	Cloudy	Moderate	13:05	4.4	Surface	1st	27.9	8.2	24.0	5.8	5.8	84.0	9.0	9.4	9.6	10.5
							Surface	2nd	27.9	8.2	24.0	5.8		84.2	8.8		10.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.8	8.2	24.9	5.7	5.7	84.0	9.9		10.1	
							Bottom	2nd	27.8	8.2	24.9	5.7		83.6	9.7		11.4	
2018-10-01	Mid-Ebb	IS17	Fine	Moderate	12:53	10.8	Surface	1st	27.6	8.0	27.2	5.1	5.0	75.3	7.6	6.6	8.1	9.0
							Surface	2nd	27.6	8.2	27.2	5.1		75.9	7.8		8.2	
							Middle	1st	27.5	8.0	28.1	4.9		72.1	6.7		8.6	
							Middle	2nd	27.5	8.2	28.1	4.9		72.7	6.9		9.1	
							Bottom	1st	27.5	8.0	28.5	4.8	4.9	71.5	5.3		10.6	
							Bottom	2nd	27.4	8.2	28.5	4.9		72.3	5.1		9.6	
2018-10-01	Mid-Ebb	IS(Mf)16	Fine	Moderate	12:47	5.8	Surface	1st	27.8	8.0	27.0	5.4	5.5	80.6	3.3	3.5	8.0	8.4
							Surface	2nd	27.8	8.2	27.1	5.5		81.0	3.2		7.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.0	28.0	5.0	5.1	74.6	3.9		9.7	
							Bottom	2nd	27.5	8.2	28.0	5.1		75.2	3.5		8.9	
2018-10-01	Mid-Ebb	IS8	Fine	Calm	12:28	4.3	Surface	1st	27.9	8.0	26.4	5.8	5.8	85.0	3.4	5.3	9.5	8.6
							Surface	2nd	27.8	8.2	26.5	5.8		85.5	3.3		9.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.8	8.0	26.8	5.3	5.4	77.9	6.9		7.9	
							Bottom	2nd	27.7	8.2	26.8	5.4		79.1	7.4		7.9	
2018-10-01	Mid-Ebb	SR4(N)	Fine	Calm	12:35	4.5	Surface	1st	28.2	8.0	26.1	5.8	5.8	86.2	4.3	8.7	5.2	5.3
							Surface	2nd	28.2	8.2	26.2	5.8		86.5	4.6		5.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.8	8.0	26.6	5.3	5.3	78.0	12.6		5.0	
							Bottom	2nd	27.7	8.2	26.6	5.3		78.7	13.1		5.7	
2018-10-01	Mid-Ebb	IS(Mf)9	Fine	Calm	12:22	3.9	Surface	1st	28.1	8.0	26.3	5.7	5.8	84.8	2.9	3.1	6.3	5.6
							Surface	2nd	28.1	8.2	26.3	5.8		85.4	2.7		5.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.0	26.5	5.6	5.7	82.6	3.4		5.1	
							Bottom	2nd	27.9	8.2	26.6	5.7		84.0	3.4		5.1	
2018-10-01	Mid-Ebb	IS7	Fine	Calm	12:17	2.9	Surface	1st	-	-	-	-	6.1	-	-	2.8	-	4.4
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	28.1	8.0	26.3	6.0		88.3	2.9		4.5	
							Middle	2nd	28.0	8.2	26.3	6.1		89.7	2.6		4.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-01	Mid-Ebb	IS(Mf)6	Fine	Calm	12:11	2.6	Surface	1st	-	-	-	-	6.0	-	-	4.2	-	7.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	28.0	8.0	26.1	5.9		86.5	4.0		7.4	
							Middle	2nd	28.0	8.2	26.1	6.0		87.8	4.4		6.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-01	Mid-Ebb	IS5	Fine	Calm	12:05	9.7	Surface	1st	27.9	8.1	26.2	5.7	5.6	83.7	4.7	8.1	6.7	7.8
							Surface	2nd	27.9	8.2	26.3	5.7		84.2	4.6		6.3	
							Middle	1st	27.8	8.1	26.3	5.5		81.6	6.0		7.9	
							Middle	2nd	27.8	8.2	26.3	5.6		82.1	5.9		6.9	
							Bottom	1st	27.6	8.1	26.3	5.4	5.4	78.8	14.7		9.4	
							Bottom	2nd	27.6	8.2	26.4	5.4		79.6	12.8		9.6	
2018-10-01	Mid-Ebb	SR3(N)	Fine	Calm	11:57	3.6	Surface	1st	28.0	8.2	26.1	5.9	5.9	86.5	4.4	4.7	5.8	7.0
							Surface	2nd	28.0	8.2	26.2	5.9		87.1	4.1		6.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.2	26.3	5.7	5.8	84.4	5.2		7.2	
							Bottom	2nd	27.8	8.2	26.3	5.8		85.3	5.0		8.0	
2018-10-01	Mid-Flood	SR10A(N)	Cloudy	Moderate	10:33	11.3	Surface	1st	27.4	8.1	28.0	5.0	5.0	74.3	3.7	4.9	9.2	7.5
							Surface	2nd	27.5	8.1	28.0	5.0		73.8	4.4		8.0	
							Middle	1st	27.4	8.1	28.5	5.0		73.4	5.2		7.2	
							Middle	2nd	27.4	8.1	28.4	4.9		72.8	5.3		8.4	
							Bottom	1st	27.4	8.1	28.5	5.0	5.0	73.3	5.2		5.2	
							Bottom	2nd	27.4	8.1	28.5	4.9		72.7	5.5		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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-01	Mid-Flood	SR10B(N2)	Cloudy	Moderate	10:42	6.1	Surface	1st	27.5	8.2	27.9	5.1	5.1	75.4	3.2	4.4	8.0	6.8
							Surface	2nd	27.5	8.0	27.9	5.1		74.9	3.8		8.4	
							Middle	1st	27.4	8.2	28.4	5.0		74.5	4.5		6.5	
							Middle	2nd	27.4	8.0	28.3	5.0		73.9	4.8		6.8	
							Bottom	1st	27.4	8.2	28.6	5.1	5.1	74.8	4.9		5.5	
							Bottom	2nd	27.4	8.0	28.6	5.0		74.1	5.1		5.5	
2018-10-01	Mid-Flood	CSA	Cloudy	Moderate	11:08	32.9	Surface	1st	27.8	8.2	25.3	5.2	5.0	76.0	8.3	10.0	6.6	6.5
							Surface	2nd	27.8	8.2	25.3	5.2		76.7	8.2		7.8	
							Middle	1st	27.5	8.2	26.8	4.8		70.8	11.0		6.8	
							Middle	2nd	27.5	8.2	26.7	4.8		70.7	10.8		7.4	
							Bottom	1st	27.5	8.2	26.9	4.9	4.9	72.3	10.4		5.3	
							Bottom	2nd	27.5	8.2	27.0	4.9		71.8	11.4		5.1	
2018-10-01	Mid-Flood	CS6	Cloudy	Moderate	11:19	9.6	Surface	1st	27.8	8.2	25.2	5.5	5.5	80.3	8.4	9.3	10.1	9.0
							Surface	2nd	27.8	8.2	25.2	5.5		80.5	8.4		9.5	
							Middle	1st	27.7	8.2	25.4	5.4		79.1	9.3		14.8	
							Middle	2nd	27.7	8.2	25.4	5.4		79.1	9.3		7.5	
							Bottom	1st	27.6	8.2	25.9	5.6	5.6	81.4	10.3		6.8	
							Bottom	2nd	27.6	8.2	25.9	5.5		81.2	10.3		5.4	
2018-10-01	Mid-Flood	CS4	Cloudy	Moderate	12:12	17.8	Surface	1st	27.8	8.2	24.4	5.6	5.4	82.1	10.5	14.1	7.2	8.9
							Surface	2nd	27.8	8.2	24.4	5.7		82.3	10.2		8.3	
							Middle	1st	27.6	8.2	26.0	5.2		75.6	15.8		8.6	
							Middle	2nd	27.6	8.2	26.0	5.1		75.5	15.0		9.5	
							Bottom	1st	27.6	8.2	26.2	5.4	5.4	78.5	16.1		9.5	
							Bottom	2nd	27.6	8.2	26.2	5.3		77.6	16.9		10.1	
2018-10-01	Mid-Flood	SR6	Cloudy	Moderate	12:43	4.4	Surface	1st	27.8	8.2	22.7	5.9	5.9	84.8	8.3	9.9	9.5	11.3
							Surface	2nd	27.8	8.2	22.5	5.9		84.8	8.4		10.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	25.7	5.7	5.7	83.8	11.6		12.0	
							Bottom	2nd	27.6	8.2	25.7	5.7		83.7	11.4		13.2	
2018-10-01	Mid-Flood	CS(Mf)3(N)	Cloudy	Moderate	12:25	7.3	Surface	1st	28.0	8.1	20.3	5.9	5.9	83.9	8.8	9.9	5.7	7.1
							Surface	2nd	28.0	8.1	20.3	5.9		83.9	8.7		6.2	
							Middle	1st	27.8	8.2	21.8	5.9		84.3	10.3		6.3	
							Middle	2nd	27.8	8.2	21.8	5.9		84.1	10.2		6.7	
							Bottom	1st	27.9	8.2	23.6	5.9	5.9	86.1	11.2		8.5	
							Bottom	2nd	27.9	8.2	23.4	5.9		85.6	10.3		8.9	
2018-10-01	Mid-Flood	SR5(N)	Cloudy	Moderate	11:55	9.5	Surface	1st	27.7	8.2	25.0	5.4	5.5	78.9	9.2	13.1	15.3	14.4
							Surface	2nd	27.7	8.2	25.0	5.4		78.9	9.1		15.4	
							Middle	1st	27.6	8.2	25.0	5.5		80.0	13.7		13.6	
							Middle	2nd	27.6	8.2	25.0	5.5		79.9	13.3		13.7	
							Bottom	1st	27.6	8.2	25.0	5.6	5.6	81.5	16.8		14.1	
							Bottom	2nd	27.6	8.2	25.0	5.5		80.9	16.7		14.2	
2018-10-01	Mid-Flood	IS10(N)	Cloudy	Moderate	11:49	11.4	Surface	1st	27.7	8.2	24.7	5.4	5.4	79.1	12.4	14.9	10.9	12.2
							Surface	2nd	27.7	8.2	24.7	5.4		79.2	12.0		10.2	
							Middle	1st	27.6	8.2	24.9	5.4		78.2	15.9		11.7	
							Middle	2nd	27.7	8.2	24.9	5.4		78.1	15.1		12.3	
							Bottom	1st	27.6	8.2	25.2	5.4	5.4	79.3	16.9		15.4	
							Bottom	2nd	27.6	8.2	25.2	5.4		78.9	16.9		12.6	
2018-10-01	Mid-Flood	IS(Mf)11	Cloudy	Moderate	11:44	12.1	Surface	1st	27.7	8.2	24.5	5.3	5.3	76.8	10.7	14.3	11.5	11.4
							Surface	2nd	27.7	8.2	24.5	5.3		77.3	10.6		10.5	
							Middle	1st	27.7	8.2	24.9	5.2		75.5	13.3		10.9	
							Middle	2nd	27.7	8.2	24.9	5.2		75.5	13.7		11.1	
							Bottom	1st	27.6	8.2	25.1	5.4	5.4	78.4	18.7		12.7	
							Bottom	2nd	27.6	8.2	25.1	5.4		78.0	18.8		11.9	
2018-10-01	Mid-Flood	CS(Mf)5	Cloudy	Moderate	11:13	12.4	Surface	1st	27.6	8.2	27.5	5.1	5.0	75.8	4.1	8.2	6.7	9.5
							Surface	2nd	27.6	8.0	27.5	5.1		75.3	4.4		14.0	
							Middle	1st	27.4	8.2	28.8	4.8		71.3	6.3		9.4	
							Middle	2nd	27.4	8.0	28.7	4.8		70.7	6.3		8.2	
							Bottom	1st	27.4	8.2	29.2	4.7	4.7	70.4	14.5		9.9	
							Bottom	2nd	27.4	8.0	29.2	4.7		69.7	13.5		8.8	
2018-10-01	Mid-Flood	SR7	Cloudy	Moderate	11:37	4.6	Surface	1st	27.8	8.2	24.7	5.7	5.7	83.1	16.3	16.4	11.6	12.1
							Surface	2nd	27.8	8.2	24.7	5.7		82.8	15.5		13.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.7	8.2	24.8	5.8	5.8	85.0	16.9		12.1	
							Bottom	2nd	27.7	8.2	24.8	5.8		84.8	16.8		11.4	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-01	Mid-Flood	IS17	Cloudy	Moderate	11:31	9.6	Surface	1st	27.6	8.2	26.8	5.4	5.3	79.4	4.2	6.6	5.4	6.6
							Surface	2nd	27.6	8.0	26.8	5.4		78.8	4.6		5.8	
							Middle	1st	27.5	8.2	27.2	5.2		77.2	5.6		6.7	
							Middle	2nd	27.5	8.0	27.2	5.2		76.5	6.1		6.0	
							Bottom	1st	27.4	8.2	27.9	5.1	5.1	75.7	9.6		7.2	
							Bottom	2nd	27.5	8.0	27.9	5.1		74.9	9.7		8.3	
2018-10-01	Mid-Flood	IS(Mf)16	Cloudy	Moderate	11:38	5.8	Surface	1st	27.6	8.2	26.7	5.3	5.3	78.6	4.1	4.2	9.2	9.0
							Surface	2nd	27.6	8.0	26.7	5.3		78.0	4.3		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	26.8	5.3	5.3	78.1	4.1		10.0	
							Bottom	2nd	27.6	8.0	26.8	5.3		77.4	4.4		9.0	
2018-10-01	Mid-Flood	IS8	Cloudy	Calm	11:53	4.1	Surface	1st	27.6	8.2	26.6	5.6	5.6	82.1	4.0	4.2	9.3	7.9
							Surface	2nd	27.6	8.0	26.6	5.5		81.4	4.5		8.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	26.6	5.6	5.6	82.9	4.0		7.6	
							Bottom	2nd	27.6	8.0	26.6	5.6		82.1	4.4		6.6	
2018-10-01	Mid-Flood	SR4(N)	Cloudy	Calm	11:48	4.4	Surface	1st	27.7	8.2	26.5	5.5	5.5	80.6	4.4	5.7	5.5	5.1
							Surface	2nd	27.7	8.0	26.4	5.4		80.0	4.5		4.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	26.7	5.4	5.4	78.8	6.9		4.4	
							Bottom	2nd	27.6	8.0	26.7	5.3		78.0	7.1		5.9	
2018-10-01	Mid-Flood	IS(Mf)9	Cloudy	Calm	12:00	3.5	Surface	1st	27.7	8.2	26.3	5.5	5.5	80.8	2.5	4.9	3.9	3.3
							Surface	2nd	27.7	8.0	26.3	5.4		80.0	3.3		3.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	27.1	5.2	5.2	76.3	6.6		3.3	
							Bottom	2nd	27.7	8.0	27.1	5.1		74.7	7.1		2.8	
2018-10-01	Mid-Flood	IS7	Cloudy	Calm	12:07	2.9	Surface	1st	-	-	-	-	5.6	-	-	4.8	-	4.0
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.8	8.2	26.1	5.6		82.7	4.4		3.9	
							Middle	2nd	27.8	8.0	26.1	5.5		81.6	5.2		4.0	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-01	Mid-Flood	IS(Mf)6	Cloudy	Calm	12:15	2.6	Surface	1st	-	-	-	-	5.8	-	-	8.7	-	5.0
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.7	8.2	25.8	5.8		85.2	8.7		4.3	
							Middle	2nd	27.7	8.0	25.8	5.7		84.1	8.6		5.7	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-01	Mid-Flood	IS5	Cloudy	Calm	12:21	9.7	Surface	1st	27.6	8.1	26.0	5.5	5.4	80.9	5.0	7.0	10.1	6.6
							Surface	2nd	27.6	8.0	26.0	5.5		80.6	5.4		10.4	
							Middle	1st	27.5	8.1	26.2	5.2		76.1	6.9		5.0	
							Middle	2nd	27.6	8.0	26.2	5.2		75.5	7.2		3.9	
							Bottom	1st	27.5	8.2	26.6	5.3	5.3	77.6	9.0		4.6	
							Bottom	2nd	27.5	8.0	26.6	5.2		76.9	8.7		5.6	
2018-10-01	Mid-Flood	SR3(N)	Cloudy	Calm	12:29	3.3	Surface	1st	27.6	8.2	26.2	5.7	5.6	83.3	8.6	8.0	3.7	4.2
							Surface	2nd	27.6	8.0	26.1	5.5		81.0	8.5		4.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.2	26.2	5.8	5.8	84.7	7.3		4.5	
							Bottom	2nd	27.6	8.0	26.1	5.7		83.0	7.4		3.8	
2018-10-03	Mid-Ebb	SR10A(N)	Fine	Moderate	21:16	11.3	Surface	1st	27.6	8.0	28.3	5.4	5.2	80.1	2.1	3.0	11.1	7.8
							Surface	2nd	27.5	8.0	28.3	5.4		80.6	1.3		10.3	
							Middle	1st	27.5	8.0	29.3	4.9		73.2	3.5		6.2	
							Middle	2nd	27.5	8.0	29.3	5.0		74	2.8		6.2	
							Bottom	1st	27.5	8.0	29.5	4.9	4.9	72.4	4.8		6.6	
							Bottom	2nd	27.5	8.0	29.4	4.9		73.3	3.6		6.5	
2018-10-03	Mid-Ebb	SR10B(N2)	Fine	Moderate	21:10	6.5	Surface	1st	27.6	8.0	28.2	5.4	5.3	80.7	2.1	2.1	8.7	7.7
							Surface	2nd	27.5	8.0	28.0	5.5		81.7	1.4		9.1	
							Middle	1st	27.6	8.0	29.0	5.1		75.8	2.6		9.7	
							Middle	2nd	27.5	8.0	29.0	5.2		76.8	2.0		9.6	
							Bottom	1st	27.6	8.0	29.1	5.1	5.2	76.3	2.6		4.8	
							Bottom	2nd	27.5	8.0	29.1	5.2		77.4	2.1		4.4	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-03	Mid-Ebb	CSA	Fine	Moderate	20:48	32.5	Surface	1st	27.6	8.2	26.2	5.5	5.4	81.3	6.8	7.4	7.3	5.7
							Surface	2nd	27.7	8.3	25.8	5.5		80.7	6.7		6.0	
							Middle	1st	27.6	8.2	27.9	5.3		78	7.8		5.8	
							Middle	2nd	27.6	8.3	27.5	5.4		79	7.7		5.1	
							Bottom	1st	27.6	8.2	28.0	5.4	5.5	79.7	7.8		4.6	
							Bottom	2nd	27.6	8.3	27.5	5.5		81	7.7		5.4	
2018-10-03	Mid-Ebb	CS6	Fine	Moderate	20:39	9.0	Surface	1st	27.9	8.1	26.3	5.6	5.7	83	7.7	7.4	8.0	14.3
							Surface	2nd	27.9	8.2	25.8	5.7		84	7.6		8.7	
							Middle	1st	27.8	8.2	26.4	5.6		82.5	7.4		16.4	
							Middle	2nd	27.8	8.2	26.0	5.7		83.6	7.3		15.1	
							Bottom	1st	27.7	8.2	27.0	5.8	5.9	85.3	7.3		19.9	
							Bottom	2nd	27.8	8.2	26.5	5.9		86.4	7.2		17.7	
2018-10-03	Mid-Ebb	CS4	Fine	Moderate	19:47	16.4	Surface	1st	27.8	8.1	23.4	5.9	5.7	85.2	7.6	7.3	8.1	8.6
							Surface	2nd	27.8	8.2	23.0	5.9		85.7	7.5		8.7	
							Middle	1st	27.7	8.2	26.1	5.5		80.9	7.4		9.3	
							Middle	2nd	27.8	8.2	25.7	5.6		81.8	7.3		9.9	
							Bottom	1st	27.7	8.1	26.5	5.8	5.8	84.7	7.2		8.2	
							Bottom	2nd	27.7	8.2	26.2	5.8		85.1	7.0		7.6	
2018-10-03	Mid-Ebb	SR6	Fine	Moderate	19:20	4.4	Surface	1st	27.8	8.2	23.3	6.2	6.2	90.4	7.9	8.8	12.9	10.4
							Surface	2nd	27.8	8.2	23.0	6.2		89.7	7.8		13.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.7	8.2	26.0	6.0	6.0	88.4	9.8		8.2	
							Bottom	2nd	27.7	8.2	25.5	6.0		88	9.7		7.0	
2018-10-03	Mid-Ebb	CS(Mf)3(N)	Fine	Moderate	19:33	7.3	Surface	1st	27.7	8.1	21.7	5.7	5.7	81.9	8.2	10.2	7.0	7.7
							Surface	2nd	27.8	8.2	21.4	5.8		82.4	8.0		7.3	
							Middle	1st	27.7	8.1	24.0	5.6		81.3	10.0		8.2	
							Middle	2nd	27.7	8.2	23.3	5.7		82.2	9.9		7.4	
							Bottom	1st	27.7	8.2	26.0	5.8	5.9	85.2	12.6		8.1	
							Bottom	2nd	27.8	8.2	25.6	5.9		85.9	12.5		8.4	
2018-10-03	Mid-Ebb	SR5(N)	Fine	Moderate	20:04	9.2	Surface	1st	27.9	8.2	24.1	5.7	5.7	83.6	9.0	8.8	7.7	6.8
							Surface	2nd	27.9	8.3	23.8	5.8		83.6	8.9		6.4	
							Middle	1st	27.6	8.2	25.9	5.5		81	8.9		7.5	
							Middle	2nd	27.6	8.2	25.5	5.6		81.8	8.8		6.0	
							Bottom	1st	27.7	8.2	26.2	5.7	5.7	83.1	8.5		7.0	
							Bottom	2nd	27.7	8.2	25.8	5.7		84.2	8.4		6.0	
2018-10-03	Mid-Ebb	IS10(N)	Fine	Moderate	20:08	12.5	Surface	1st	27.8	8.2	24.4	5.4	5.3	78.7	10.0	10.9	6.9	6.0
							Surface	2nd	27.8	8.3	24.0	5.4		78	9.9		7.2	
							Middle	1st	27.6	8.2	26.4	5.1		75	11.1		5.1	
							Middle	2nd	27.6	8.2	25.9	5.1		75	11.0		6.0	
							Bottom	1st	27.6	8.1	27.2	5.2	5.3	77.3	11.6		5.4	
							Bottom	2nd	27.6	8.2	26.8	5.3		78.2	11.5		5.5	
2018-10-03	Mid-Ebb	IS(Mf)11	Fine	Moderate	20:13	11.2	Surface	1st	27.8	8.2	24.7	5.4	5.2	78.4	9.3	10.0	5.3	7.0
							Surface	2nd	27.8	8.3	24.5	5.3		77.7	9.2		6.6	
							Middle	1st	27.6	8.1	26.4	5.1		75.3	10.1		7.5	
							Middle	2nd	27.6	8.2	26.0	5.1		74.9	10.0		6.4	
							Bottom	1st	27.6	8.1	26.6	5.3	5.3	77.9	10.7		7.5	
							Bottom	2nd	27.6	8.2	26.2	5.3		77.8	10.6		8.7	
2018-10-03	Mid-Ebb	CS(Mf)5	Fine	Moderate	20:49	12.2	Surface	1st	27.6	7.9	28.0	5.5	5.3	80.8	2.1	3.2	5.6	5.8
							Surface	2nd	27.5	8.0	27.9	5.5		81.5	1.4		5.1	
							Middle	1st	27.5	7.9	29.3	5.0		74.4	3.5		6.7	
							Middle	2nd	27.5	8.0	29.2	5.1		75.8	2.3		6.0	
							Bottom	1st	27.5	7.9	29.6	5.1	5.1	75.7	4.8		5.0	
							Bottom	2nd	27.4	8.0	29.6	5.0		74.3	4.8		6.6	
2018-10-03	Mid-Ebb	SR7	Fine	Moderate	20:20	4.5	Surface	1st	27.7	8.2	24.6	6.0	6.1	88	8.3	8.4	9.4	9.8
							Surface	2nd	27.7	8.3	24.2	6.2		89.6	8.2		10.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.7	8.2	25.0	6.0	6.1	87.9	8.5		9.5	
							Bottom	2nd	27.7	8.3	24.6	6.2		90	8.4		9.8	
2018-10-03	Mid-Ebb	IS17	Fine	Moderate	20:32	6.6	Surface	1st	27.5	7.9	27.5	5.1	5.1	75.4	6.2	6.3	10.8	12.7
							Surface	2nd	27.4	8.0	27.6	5.2		76.2	6.1		11.3	
							Middle	1st	27.5	7.9	27.9	5.0		74.3	6.4		12.4	
							Middle	2nd	27.5	8.0	27.9	5.1		75.2	6.7		13.2	
							Bottom	1st	27.5	7.9	28.1	5.1	5.1	75.1	6.0		14.1	
							Bottom	2nd	27.5	8.0	28.1	5.1		76.2	6.5		14.5	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-03	Mid-Ebb	IS(Mf)16	Fine	Calm	20:25	5.8	Surface	1st	27.6	8.0	27.0	5.6	5.7	82.8	4.7	5.9	9.2	8.7
							Surface	2nd	27.6	8.0	27.0	5.7		83.3	4.8		8.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	7.9	28.1	5.1	5.1	75	7.3		8.2	
							Bottom	2nd	27.6	8.0	28.1	5.1		75.7	6.8		8.7	
2018-10-03	Mid-Ebb	IS8	Fine	Calm	20:02	3.4	Surface	1st	27.9	8.0	26.8	6.0	6.0	88.5	5.5	5.4	9.0	9.6
							Surface	2nd	27.9	8.0	26.8	6.0		89.4	5.5		8.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.0	26.8	6.0	6.1	88.8	5.4		10.4	
							Bottom	2nd	27.8	8.0	26.8	6.1		89.7	5.2		10.4	
2018-10-03	Mid-Ebb	SR4(N)	Fine	Calm	20:08	4.0	Surface	1st	27.9	8.0	26.8	5.5	5.6	82	9.5	9.8	12.5	11.4
							Surface	2nd	27.9	8.0	26.8	5.6		82.9	8.7		11.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.0	26.8	5.5	5.6	81.5	10.5		10.4	
							Bottom	2nd	27.9	8.0	26.8	5.6		82.3	10.3		10.8	
2018-10-03	Mid-Ebb	IS(Mf)9	Fine	Calm	19:52	3.1	Surface	1st	27.8	8.0	26.9	5.9	5.9	86.6	4.2	4.1	8.7	8.7
							Surface	2nd	27.8	8.0	26.9	5.9		87.4	3.8		8.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.8	8.0	26.9	5.9	5.9	86.8	4.5		8.2	
							Bottom	2nd	27.8	8.0	26.9	5.9		87.7	3.8		9.2	
2018-10-03	Mid-Ebb	IS7	Fine	Calm	19:45	2.8	Surface	1st	-	-	-	-	6.3	-	-	3.7	-	6.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	28.0	8.0	26.8	6.3		93	3.8		7.0	
							Middle	2nd	28.0	8.0	26.8	6.3		93.9	3.5		6.7	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-03	Mid-Ebb	IS(Mf)6	Fine	Calm	19:26	2.7	Surface	1st	-	-	-	-	5.8	-	-	6.2	-	6.8
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	28.0	8.0	27.0	5.7		84.8	6.3		7.5	
							Middle	2nd	28.0	8.0	27.0	5.8		85.7	6.1		6.1	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-03	Mid-Ebb	IS5	Fine	Calm	19:27	8.9	Surface	1st	28.0	8.1	26.9	5.8	5.7	85.6	5.0	6.1	7.2	6.7
							Surface	2nd	28.0	8.0	27.0	5.8		86.2	4.9		6.3	
							Middle	1st	27.9	8.1	27.1	5.5		82	6.3		7.0	
							Middle	2nd	27.9	8.0	27.1	5.6		82.8	6.1		6.3	
							Bottom	1st	27.8	8.1	27.2	5.5	5.6	81.7	7.2		6.7	
							Bottom	2nd	27.8	8.0	27.2	5.6		82.6	7.0		6.7	
2018-10-03	Mid-Ebb	SR3(N)	Fine	Calm	19:20	3.7	Surface	1st	27.8	8.1	27.2	5.6	5.7	83.1	6.8	7.0	7.4	10.4
							Surface	2nd	27.8	8.0	27.3	5.7		83.9	6.7		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.8	8.1	27.3	5.6	5.7	82.9	7.0		12.1	
							Bottom	2nd	27.8	8.0	27.3	5.7		83.7	7.4		14.2	
2018-10-03	Mid-Flood	SR10A(N)	Sunny	Moderate	13:40	14.5	Surface	1st	27.6	8.1	27.6	5.3	5.2	78.9	3.6	5.2	3.3	6.4
							Surface	2nd	27.6	8.1	27.6	5.4		79.7	3.4		3.3	
							Middle	1st	27.5	8.1	28.6	4.9		72.9	4.6		6.6	
							Middle	2nd	27.5	8.1	28.6	5.0		73.8	4.7		6.8	
							Bottom	1st	27.4	8.1	29.4	4.8	4.8	71.1	7.3		9.6	
							Bottom	2nd	27.4	8.1	29.5	4.8		71.9	7.4		8.8	
2018-10-03	Mid-Flood	SR10B(N2)	Sunny	Moderate	13:48	5.2	Surface	1st	27.4	8.0	29.8	4.9	5.0	73.4	7.3	7.3	9.8	9.5
							Surface	2nd	27.4	8.2	29.8	5.0		74.3	6.8		9.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.4	8.0	29.8	5.0	5.0	74.3	7.4		9.3	
							Bottom	2nd	27.4	8.2	29.9	5.0		75.2	7.5		9.4	
2018-10-03	Mid-Flood	CSA	Sunny	Moderate	13:45	31.2	Surface	1st	27.8	8.1	25.8	5.6	5.5	82.1	1.9	1.9	8.0	7.1
							Surface	2nd	27.8	8.2	25.5	5.6		82.1	2.0		8.5	
							Middle	1st	27.8	8.1	26.2	5.4		80	1.9		6.8	
							Middle	2nd	27.8	8.2	25.9	5.5		80.6	2.0		6.4	
							Bottom	1st	27.7	8.1	26.3	5.5	5.6	80.9	1.8		6.2	
							Bottom	2nd	27.7	8.2	26.0	5.6		81.5	1.9		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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-03	Mid-Flood	CS6	Sunny	Moderate	13:56	9.0	Surface	1st	27.9	8.1	25.6	5.7	5.6	83.5	2.4	2.8	6.0	5.5
							Surface	2nd	27.9	8.2	25.2	5.6		82.5	2.5		6.4	
							Middle	1st	27.9	8.1	25.9	5.5		81.4	2.8		6.4	
							Middle	2nd	27.9	8.2	25.6	5.5		80.3	2.9		5.6	
							Bottom	1st	27.9	8.1	26.3	5.6	5.6	82.5	3.0		4.4	
							Bottom	2nd	27.9	8.2	25.9	5.6		81.8	3.1		4.1	
2018-10-03	Mid-Flood	CS4	Sunny	Moderate	14:52	16.3	Surface	1st	28.0	8.1	23.5	6.0	5.8	87.5	2.3	4.3	5.4	5.8
							Surface	2nd	28.1	8.2	23.2	5.9		86.4	2.4		4.1	
							Middle	1st	27.7	8.1	25.4	5.6		82.3	5.3		4.6	
							Middle	2nd	27.7	8.2	25.0	5.6		81.3	5.4		5.7	
							Bottom	1st	27.7	8.1	25.5	5.8	5.8	84.7	5.2		7.7	
							Bottom	2nd	27.7	8.2	25.2	5.7		83.7	5.3		7.0	
2018-10-03	Mid-Flood	SR6	Sunny	Calm	15:23	4.3	Surface	1st	27.9	8.2	23.3	6.1	6.1	87.9	11.0	11.8	7.4	9.4
							Surface	2nd	27.9	8.2	22.9	6.0		86.8	11.1		6.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.2	25.3	6.1	6.1	88.5	12.5		12.6	
							Bottom	2nd	27.5	8.3	24.9	6.0		87.1	12.6		11.4	
2018-10-03	Mid-Flood	CS(Mf)3(N)	Sunny	Moderate	15:06	7.1	Surface	1st	28.0	8.1	21.4	6.1	6.1	87.3	3.3	4.4	8.4	6.9
							Surface	2nd	28.0	8.2	21.1	6.0		86.2	3.4		9.9	
							Middle	1st	27.9	8.1	21.6	6.2		89.3	4.6		6.7	
							Middle	2nd	27.9	8.2	21.4	6.1		88.2	4.7		5.7	
							Bottom	1st	27.9	8.1	23.2	6.1	6.1	89.2	5.1		5.2	
							Bottom	2nd	27.9	8.2	22.7	6.1		88	5.2		5.2	
2018-10-03	Mid-Flood	SR5(N)	Sunny	Moderate	14:33	9.3	Surface	1st	27.8	8.2	25.5	5.8	5.8	85.4	6.0	6.9	10.4	10.6
							Surface	2nd	27.8	8.2	25.1	5.8		84.2	6.1		10.0	
							Middle	1st	27.8	8.2	25.5	5.8		85.6	6.6		11.7	
							Middle	2nd	27.8	8.2	25.1	5.8		84.4	6.7		10.6	
							Bottom	1st	27.8	8.2	25.5	5.9	5.9	87.2	8.0		10.4	
							Bottom	2nd	27.8	8.2	25.1	5.9		86.1	8.1		10.3	
2018-10-03	Mid-Flood	IS10(N)	Sunny	Moderate	14:28	12.3	Surface	1st	27.8	8.2	25.4	5.8	5.6	84.4	4.7	8.5	7.8	11.2
							Surface	2nd	27.8	8.2	25.0	5.7		83.1	4.8		8.6	
							Middle	1st	27.6	8.2	25.9	5.4		79.7	9.9		11.2	
							Middle	2nd	27.6	8.2	25.5	5.4		78.9	10.0		10.0	
							Bottom	1st	27.6	8.1	26.1	5.6	5.6	82.3	10.6		15.2	
							Bottom	2nd	27.6	8.2	25.7	5.6		81.6	10.7		14.1	
2018-10-03	Mid-Flood	IS(Mf)11	Sunny	Moderate	14:23	11.2	Surface	1st	27.8	8.1	25.3	5.7	5.6	83.6	6.1	8.5	8.2	8.1
							Surface	2nd	27.8	8.2	24.9	5.6		82.4	6.2		8.5	
							Middle	1st	27.6	8.1	25.6	5.5		80.4	10.0		7.6	
							Middle	2nd	27.6	8.2	25.2	5.4		79.4	10.1		8.4	
							Bottom	1st	27.6	8.1	25.9	5.5	5.5	80.1	9.3		7.9	
							Bottom	2nd	27.6	8.2	25.5	5.4		79.2	9.4		8.0	
2018-10-03	Mid-Flood	CS(Mf)5	Sunny	Moderate	14:18	12.2	Surface	1st	27.6	8.0	27.9	5.1	5.1	75.7	4.3	6.2	4.1	6.5
							Surface	2nd	27.6	8.2	27.9	5.2		76.6	4.1		4.3	
							Middle	1st	27.5	8.0	28.3	4.9		73.2	5.5		7.0	
							Middle	2nd	27.5	8.2	28.4	5.0		74.1	4.7		7.2	
							Bottom	1st	27.5	8.0	28.9	4.8	4.8	71	9.2		8.7	
							Bottom	2nd	27.4	8.2	28.9	4.8		71.9	9.3		7.6	
2018-10-03	Mid-Flood	SR7	Sunny	Calm	14:17	4.3	Surface	1st	27.9	8.2	25.3	5.8	5.8	85.5	5.4	5.8	7.2	7.5
							Surface	2nd	27.9	8.2	25.0	5.8		84.2	5.5		7.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.2	25.4	5.8	5.8	85.6	6.1		7.1	
							Bottom	2nd	27.9	8.2	25.0	5.8		84.6	6.2		8.2	
2018-10-03	Mid-Flood	IS17	Sunny	Moderate	14:41	10.5	Surface	1st	27.5	8.0	27.0	5.4	5.3	79	3.4	10.3	3.3	6.9
							Surface	2nd	27.5	8.2	27.1	5.4		79.9	2.7		3.1	
							Middle	1st	27.5	8.0	27.5	5.1		74.4	5.6		8.7	
							Middle	2nd	27.4	8.2	27.5	5.1		75.4	5.0		9.1	
							Bottom	1st	27.5	8.0	28.0	4.9	4.9	71.7	21.4		8.3	
							Bottom	2nd	27.4	8.2	28.0	4.9		72.8	23.7		8.8	
2018-10-03	Mid-Flood	IS(Mf)16	Sunny	Moderate	14:50	5.7	Surface	1st	28.0	8.0	26.6	6.0	6.0	88.3	2.1	2.8	3.5	4.4
							Surface	2nd	28.0	8.1	26.6	6.0		89.2	1.1		4.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.0	26.8	5.8	5.9	85.6	4.3		4.7	
							Bottom	2nd	27.5	8.2	26.8	5.9		86.7	3.8		5.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-03	Mid-Flood	IS8	Sunny	Calm	15:19	4.6	Surface	1st	28.0	8.0	26.8	5.8	5.8	85.6	4.9	5.8	3.5	4.4
							Surface	2nd	28.0	8.0	26.8	5.8		86.6	4.6		3.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	7.9	26.9	5.7	5.8	84.8	6.7		5.9	
							Bottom	2nd	27.9	8.0	26.9	5.8		85.8	6.8		4.5	
2018-10-03	Mid-Flood	SR4(N)	Sunny	Calm	15:11	4.2	Surface	1st	27.9	8.0	26.8	5.8	5.8	85.3	5.0	6.1	7.0	7.3
							Surface	2nd	27.8	8.0	26.9	5.8		86.2	5.0		6.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.0	26.8	5.8	5.8	85.5	8.0		8.1	
							Bottom	2nd	27.8	8.0	26.9	5.8		86.4	6.5		7.6	
2018-10-03	Mid-Flood	IS(Mf)9	Sunny	Calm	15:29	4.2	Surface	1st	28.1	8.0	26.8	6.0	6.0	88.6	4.8	6.0	7.3	6.8
							Surface	2nd	28.0	8.0	26.8	6.0		88.8	4.0		6.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.8	7.9	27.0	5.7	5.8	84	7.3		6.7	
							Bottom	2nd	27.8	8.0	27.0	5.8		85.3	7.9		6.5	
2018-10-03	Mid-Flood	IS7	Sunny	Calm	15:40	2.8	Surface	1st	-	-	-	-	6.3	-	-	4.1	-	6.8
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	28.3	7.9	26.7	6.2		93	3.9		6.7	
							Middle	2nd	28.3	8.0	26.7	6.3		94.5	4.3		6.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-03	Mid-Flood	IS(Mf)6	Sunny	Calm	15:50	3.1	Surface	1st	28.3	7.9	26.8	6.1	6.2	90.8	7.9	8.6	8.0	8.3
							Surface	2nd	28.3	8.0	26.8	6.2		92.1	8.0		8.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	28.1	7.9	26.9	6.1	6.2	90.3	9.1		7.3	
							Bottom	2nd	28.1	8.0	26.8	6.2		91.7	9.2		9.0	
2018-10-03	Mid-Flood	IS5	Sunny	Calm	16:00	9.7	Surface	1st	28.5	7.9	26.8	5.8	5.8	86.8	5.6	6.9	6.9	7.4
							Surface	2nd	28.4	8.0	26.8	5.9		87.7	5.6		6.4	
							Middle	1st	27.9	7.9	27.1	5.6		83	6.3		6.8	
							Middle	2nd	27.9	8.0	27.1	5.7		84.1	6.1		6.3	
							Bottom	1st	27.7	7.9	27.3	5.4	5.5	80.2	8.5		9.1	
							Bottom	2nd	27.7	8.0	27.3	5.5		81.4	9.3		8.7	
2018-10-03	Mid-Flood	SR3(N)	Sunny	Calm	16:08	3.8	Surface	1st	28.2	8.0	26.9	5.9	5.9	87.4	5.8	6.7	8.4	7.3
							Surface	2nd	28.2	8.0	26.8	5.9		88.3	5.7		7.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.9	8.0	27.1	5.6	5.6	82.4	7.7		6.8	
							Bottom	2nd	27.9	8.0	27.1	5.6		83.1	7.5		6.8	
2018-10-05	Mid-Ebb	SR10A(N)	Sunny	Moderate	9:19	14.8	Surface	1st	26.9	8.1	28.5	5.6	5.5	81.8	2.0	2.7	5.4	5.7
							Surface	2nd	26.9	8.2	28.4	5.6		82.4	2.5		5.1	
							Middle	1st	27.0	8.1	29.3	5.4		79.1	2.7		5.6	
							Middle	2nd	27.0	8.1	29.2	5.4		79.7	3.0		5.8	
							Bottom	1st	27.1	8.0	29.9	5.2	5.3	77.5	2.8		6.3	
							Bottom	2nd	27.1	8.1	29.8	5.3		78.3	3.3		6.2	
2018-10-05	Mid-Ebb	SR10B(N2)	Sunny	Moderate	9:22	6.7	Surface	1st	26.9	8.0	28.4	5.6	5.6	81.7	3.0	3.4	4.3	4.9
							Surface	2nd	26.9	8.2	28.4	5.6		82.4	3.1		4.0	
							Middle	1st	26.9	8.0	28.7	5.5		81.4	3.3		4.6	
							Middle	2nd	26.9	8.2	28.6	5.6		82.1	3.6		4.9	
							Bottom	1st	26.9	8.0	28.7	5.5	5.6	81.2	3.5		5.8	
							Bottom	2nd	26.9	8.1	28.6	5.6		82.1	3.6		6.0	
2018-10-05	Mid-Ebb	CSA	Fine	Moderate	9:19	32.5	Surface	1st	27.1	8.2	26.8	5.7	5.4	82.5	1.2	3.2	3.2	5.7
							Surface	2nd	27.1	8.2	26.5	5.6		81.8	1.7		3.4	
							Middle	1st	27.4	8.2	29.3	5.1		75.3	3.6		6.2	
							Middle	2nd	27.4	8.2	28.9	5.1		75.1	3.8		5.8	
							Bottom	1st	27.4	8.2	29.4	5.0	5.0	75.1	4.4		7.7	
							Bottom	2nd	27.4	8.2	29.0	5.0		74.9	4.3		7.9	
2018-10-05	Mid-Ebb	CS6	Fine	Moderate	9:26	9.9	Surface	1st	27.2	8.2	26.7	5.8	5.8	84.6	2.9	2.0	3.6	3.6
							Surface	2nd	27.2	8.2	26.5	5.8		84.2	3.3		3.7	
							Middle	1st	27.2	8.2	26.8	5.7		83.8	1.0		3.4	
							Middle	2nd	27.2	8.2	26.5	5.7		83.5	1.4		3.7	
							Bottom	1st	27.3	8.2	27.0	5.6	5.6	82.4	1.5		3.6	
							Bottom	2nd	27.3	8.2	26.7	5.6		82.2	1.7		3.8	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-05	Mid-Ebb	CS4	Fine	Moderate	10:32	17.5	Surface	1st	27.1	8.2	25.2	6.0	6.0	87.3	5.6	9.8	6.2	6.3
							Surface	2nd	27.1	8.2	25.0	6.0		86.6	5.4		5.9	
							Middle	1st	27.1	8.2	26.0	6.0		87.1	11.1		5.8	
							Middle	2nd	27.1	8.2	25.7	6.0		87.0	11.2		6.2	
							Bottom	1st	27.2	8.2	26.8	6.1	6.1	89.5	12.8		6.6	
							Bottom	2nd	27.2	8.2	26.5	6.1		89.0	12.9		7.1	
2018-10-05	Mid-Ebb	SR6	Fine	Moderate	10:56	4.5	Surface	1st	27.0	8.2	25.0	6.1	6.1	88.1	4.4	5.9	4.4	5.5
							Surface	2nd	27.0	8.2	24.7	6.1		87.5	4.8		4.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.2	26.2	5.9	5.9	86.5	7.1		6.4	
							Bottom	2nd	27.1	8.2	25.9	5.9		86.1	7.2		6.7	
2018-10-05	Mid-Ebb	CS(Mf)3(N)	Fine	Moderate	10:41	7.3	Surface	1st	27.1	8.2	25.5	5.9	5.9	86.0	6.1	7.4	3.8	4.4
							Surface	2nd	27.1	8.2	25.2	5.9		85.7	6.4		4.2	
							Middle	1st	27.2	8.2	26.5	5.8		85.3	7.6		4.2	
							Middle	2nd	27.2	8.2	26.1	5.8		85.0	7.5		4.1	
							Bottom	1st	27.2	8.2	26.8	5.8	5.8	85.4	8.3		5.0	
							Bottom	2nd	27.2	8.2	26.5	5.8		85.1	8.4		4.9	
2018-10-05	Mid-Ebb	SR5(N)	Fine	Moderate	10:08	9.6	Surface	1st	27.2	8.2	24.6	6.0	5.8	87.3	5.3	6.6	4.2	6.3
							Surface	2nd	27.2	8.2	24.3	6.0		86.6	5.0		4.2	
							Middle	1st	27.2	8.2	25.0	5.6		81.6	6.1		6.2	
							Middle	2nd	27.2	8.2	24.7	5.6		81.3	6.1		6.3	
							Bottom	1st	27.5	8.2	26.7	5.5	5.5	80.9	8.8		8.5	
							Bottom	2nd	27.5	8.2	26.4	5.5		80.8	8.3		8.4	
2018-10-05	Mid-Ebb	IS10(N)	Fine	Moderate	10:02	12.4	Surface	1st	27.1	8.2	24.4	6.2	6.0	89.0	2.8	6.6	4.6	5.2
							Surface	2nd	27.1	8.2	24.1	6.2		88.5	2.3		4.5	
							Middle	1st	26.9	8.2	24.8	5.8		83.2	6.5		4.9	
							Middle	2nd	26.9	8.3	24.5	5.8		82.9	6.4		4.7	
							Bottom	1st	27.5	8.1	27.6	5.5	5.6	81.2	10.8		6.4	
							Bottom	2nd	27.5	8.2	27.2	5.6		82.0	10.8		6.2	
2018-10-05	Mid-Ebb	IS(Mf)11	Fine	Moderate	9:55	11.4	Surface	1st	27.0	8.2	24.4	6.2	6.1	89.1	3.4	4.7	3.8	4.4
							Surface	2nd	27.0	8.3	24.1	6.2		88.7	3.8		3.5	
							Middle	1st	26.9	8.2	24.8	6.0		86.7	4.4		3.5	
							Middle	2nd	26.9	8.3	24.5	6.0		86.1	4.1		3.9	
							Bottom	1st	27.5	8.1	28.0	5.2	5.3	77.6	6.3		5.6	
							Bottom	2nd	27.5	8.2	27.6	5.3		77.7	6.2		5.8	
2018-10-05	Mid-Ebb	CS(Mf)5	Sunny	Moderate	9:57	13.4	Surface	1st	27.0	8.0	27.0	5.8	5.7	83.9	1.9	3.6	4.0	6.7
							Surface	2nd	27.0	8.2	27.0	5.8		84.6	2.6		4.2	
							Middle	1st	27.0	8.0	27.1	5.6		81.3	2.0		6.6	
							Middle	2nd	27.0	8.2	27.0	5.6		81.5	2.5		6.5	
							Bottom	1st	27.4	7.9	30.3	4.8	4.8	71.2	6.3		9.4	
							Bottom	2nd	27.4	8.1	30.2	4.8		71.8	6.0		9.3	
2018-10-05	Mid-Ebb	SR7	Fine	Moderate	9:48	4.6	Surface	1st	27.2	8.2	24.5	6.0	6.0	86.4	2.3	2.5	5.4	7.0
							Surface	2nd	27.2	8.2	24.3	6.0		86.2	2.5		5.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	8.2	25.5	6.0	6.0	87.6	2.6		8.6	
							Bottom	2nd	27.3	8.2	25.2	6.0		87.6	2.7		8.8	
2018-10-05	Mid-Ebb	IS17	Sunny	Moderate	10:22	9.6	Surface	1st	27.1	8.0	27.1	5.7	5.6	83.1	3.7	3.9	4.6	5.4
							Surface	2nd	27.1	8.2	27.0	5.7		83.4	3.7		5.2	
							Middle	1st	27.2	8.0	27.5	5.5		80.2	3.2		5.1	
							Middle	2nd	27.2	8.1	27.4	5.5		80.7	3.5		5.4	
							Bottom	1st	27.4	8.0	29.1	5.1	5.1	75.1	4.7		5.9	
							Bottom	2nd	27.3	8.1	29.0	5.1		75.9	4.6		6.2	
2018-10-05	Mid-Ebb	IS(Mf)16	Sunny	Moderate	10:28	5.7	Surface	1st	27.2	8.0	26.9	5.7	5.7	83.2	5.6	5.1	4.6	5.7
							Surface	2nd	27.2	8.1	26.9	5.7		83.6	5.3		4.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.4	8.0	29.1	5.0	5.1	75.0	4.6		6.7	
							Bottom	2nd	27.4	8.1	28.9	5.1		75.9	4.7		6.9	
2018-10-05	Mid-Ebb	IS8	Sunny	Calm	10:45	4.6	Surface	1st	27.2	8.1	26.9	6.2	6.2	90.0	3.8	4.2	4.0	4.2
							Surface	2nd	27.1	8.2	26.9	6.2		90.5	3.9		4.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.1	27.2	6.0	6.0	87.1	4.6		4.4	
							Bottom	2nd	27.1	8.2	27.2	6.0		87.7	4.3		4.3	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-05	Mid-Ebb	SR4(N)	Sunny	Calm	10:41	4.1	Surface	1st	27.2	8.1	26.9	6.1	6.2	89.5	3.9	4.3	5.7	6.9
							Surface	2nd	27.1	8.2	26.9	6.2		90.0	3.8		6.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.1	27.5	5.9	6.0	86.4	4.8		7.7	
							Bottom	2nd	27.1	8.2	27.4	6.0		87.2	4.6		8.0	
2018-10-05	Mid-Ebb	IS(Mf)9	Sunny	Calm	10:50	3.3	Surface	1st	27.2	8.0	26.9	6.1	6.2	89.9	3.9	4.2	6.5	7.4
							Surface	2nd	27.2	8.2	26.9	6.2		90.5	4.0		6.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.0	27.1	6.0	6.0	87.6	4.5		8.5	
							Bottom	2nd	27.1	8.1	27.0	6.0		88.2	4.3		8.3	
2018-10-05	Mid-Ebb	IS7	Sunny	Calm	10:57	2.7	Surface	1st	-	-	-	-	6.2	-	-	3.5	-	5.5
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.2	8.0	26.9	6.2		90.1	3.4		5.4	
							Middle	2nd	27.2	8.1	26.9	6.2		90.8	3.6		5.6	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-05	Mid-Ebb	IS(Mf)6	Sunny	Calm	11:05	2.5	Surface	1st	-	-	-	-	6.2	-	-	3.5	-	3.7
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.2	8.0	26.9	6.2		90.1	3.4		3.7	
							Middle	2nd	27.2	8.2	26.9	6.2		90.8	3.6		3.7	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-05	Mid-Ebb	IS5	Sunny	Calm	11:10	9.3	Surface	1st	27.2	8.1	26.9	6.1	6.0	89.2	3.2	6.4	4.3	5.2
							Surface	2nd	27.2	8.2	26.9	6.1		89.7	3.4		4.1	
							Middle	1st	27.1	8.0	27.3	5.8		84.7	4.6		5.0	
							Middle	2nd	27.1	8.1	27.2	5.8		85.3	4.7		5.3	
							Bottom	1st	27.3	8.0	28.5	5.4	5.5	80.3	11.4		6.2	
							Bottom	2nd	27.3	8.1	28.4	5.5		80.9	11.3		6.3	
2018-10-05	Mid-Ebb	SR3(N)	Sunny	Calm	11:15	3.6	Surface	1st	27.2	8.1	26.9	6.2	6.2	90.0	2.9	3.4	5.8	5.9
							Surface	2nd	27.2	8.2	26.9	6.2		90.7	3.4		5.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.0	27.0	6.1	6.1	88.6	3.7		6.0	
							Bottom	2nd	27.1	8.1	27.0	6.1		89.3	3.7		5.9	
2018-10-05	Mid-Flood	SR10A(N)	Sunny	Moderate	17:28	13.6	Surface	1st	27.3	8.1	29.1	5.5	5.3	81.3	2.9	4.7	5.9	7.3
							Surface	2nd	27.3	8.0	29.1	5.5		80.9	2.3		5.9	
							Middle	1st	27.3	8.1	30.4	5.1		76.1	4.8		7.0	
							Middle	2nd	27.3	8.0	30.4	5.1		75.7	4.8		7.3	
							Bottom	1st	27.3	8.1	30.6	5.2	5.2	77.5	6.5		9.1	
							Bottom	2nd	27.3	8.0	30.7	5.1		76.9	6.8		8.6	
2018-10-05	Mid-Flood	SR10B(N2)	Sunny	Moderate	17:23	6.8	Surface	1st	27.4	8.1	30.6	5.2	5.2	78.3	4.6	4.7	7.6	8.5
							Surface	2nd	27.4	8.0	30.6	5.2		77.8	4.7		7.4	
							Middle	1st	27.4	8.1	30.6	5.2		78.5	4.5		8.5	
							Middle	2nd	27.4	8.0	30.6	5.2		78.0	4.8		8.6	
							Bottom	1st	27.4	8.1	30.6	5.3	5.3	79.2	4.8		9.3	
							Bottom	2nd	27.4	8.0	30.6	5.2		78.6	4.8		9.3	
2018-10-05	Mid-Flood	CSA	Fine	Moderate	17:11	33.2	Surface	1st	27.4	8.2	26.7	5.9	5.6	87.1	2.1	6.4	4.8	5.7
							Surface	2nd	27.4	8.2	26.3	5.9		86.3	2.3		5.0	
							Middle	1st	27.4	8.1	28.6	5.2		76.8	8.5		6.1	
							Middle	2nd	27.4	8.2	28.2	5.2		76.7	8.8		5.7	
							Bottom	1st	27.4	8.1	28.7	5.2	5.2	77.5	8.4		6.2	
							Bottom	2nd	27.4	8.2	28.2	5.2		77.6	8.4		6.2	
2018-10-05	Mid-Flood	CS6	Fine	Moderate	17:02	9.9	Surface	1st	28.0	8.2	26.1	6.1	5.9	89.7	3.8	3.8	3.0	4.9
							Surface	2nd	28.0	8.2	25.7	6.0		89.0	3.9		3.3	
							Middle	1st	27.5	8.2	26.5	5.7		83.8	3.0		5.0	
							Middle	2nd	27.5	8.2	26.1	5.7		83.6	3.1		4.8	
							Bottom	1st	27.4	8.1	27.8	5.8	5.8	85.3	4.3		6.6	
							Bottom	2nd	27.4	8.2	27.4	5.8		85.0	4.4		6.5	
2018-10-05	Mid-Flood	CS4	Fine	Moderate	15:57	17.6	Surface	1st	27.7	8.1	25.6	5.8	5.7	85.2	2.8	3.3	5.9	5.8
							Surface	2nd	27.8	8.1	25.2	5.8		84.5	2.8		5.7	
							Middle	1st	27.6	8.1	26.6	5.5		80.8	3.1		5.9	
							Middle	2nd	27.6	8.1	26.3	5.5		80.3	3.4		5.5	
							Bottom	1st	27.6	8.1	27.8	5.5	5.5	81.3	3.9		6.0	
							Bottom	2nd	27.6	8.1	27.4	5.5		81.3	3.9		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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-05	Mid-Flood	SR6	Fine	Moderate	15:23	4.4	Surface	1st	27.5	8.1	25.0	5.9	5.9	86.2	4.4	5.1	6.3	7.4
							Surface	2nd	27.5	8.1	24.7	5.9		85.9	4.8		6.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.1	25.1	5.9	6.0	86.6	5.4		8.4	
							Bottom	2nd	27.5	8.1	24.7	6.0		86.4	5.6		8.5	
2018-10-05	Mid-Flood	CS(Mf)3(N)	Fine	Moderate	15:42	7.5	Surface	1st	27.7	8.1	24.8	6.1	6.0	88.5	2.4	2.8	6.1	6.8
							Surface	2nd	27.7	8.1	24.4	6.0		88.0	2.2		5.6	
							Middle	1st	27.7	8.1	25.0	6.0		88.2	2.7		6.3	
							Middle	2nd	27.7	8.1	24.7	6.0		87.6	3.1		5.9	
							Bottom	1st	27.6	8.1	25.2	6.2	6.2	90.5	3.1		8.2	
							Bottom	2nd	27.6	8.1	24.8	6.2		90.0	3.5		8.4	
2018-10-05	Mid-Flood	SR5(N)	Fine	Moderate	16:19	9.4	Surface	1st	27.5	8.2	25.8	6.2	6.0	90.2	5.2	9.9	7.2	7.7
							Surface	2nd	27.5	8.2	25.5	6.1		89.7	5.7		6.7	
							Middle	1st	27.6	8.2	26.1	5.8		84.4	10.8		8.4	
							Middle	2nd	27.6	8.2	25.7	5.8		84.1	11.1		7.6	
							Bottom	1st	27.5	8.1	26.6	5.7	5.7	84.0	13.3		8.2	
							Bottom	2nd	27.5	8.2	26.3	5.7		83.8	13.0		7.8	
2018-10-05	Mid-Flood	IS10(N)	Fine	Moderate	16:26	12.5	Surface	1st	27.4	8.2	25.5	6.3	6.1	91.6	4.3	7.6	4.1	4.8
							Surface	2nd	27.4	8.2	25.1	6.3		90.9	4.1		4.4	
							Middle	1st	27.4	8.2	26.0	5.8		85.3	7.8		5.1	
							Middle	2nd	27.4	8.2	25.7	5.8		84.7	7.6		5.0	
							Bottom	1st	27.5	8.1	26.8	5.8	5.8	85.5	10.7		5.2	
							Bottom	2nd	27.5	8.2	26.5	5.8		85.2	10.8		5.2	
2018-10-05	Mid-Flood	IS(Mf)11	Fine	Moderate	16:32	11.3	Surface	1st	27.5	8.2	25.6	6.3	5.9	92.0	5.3	11.6	7.4	8.1
							Surface	2nd	27.5	8.2	25.2	6.3		91.6	5.8		7.3	
							Middle	1st	27.5	8.1	26.8	5.5		80.2	14.9		7.8	
							Middle	2nd	27.5	8.2	26.4	5.5		80.3	14.3		7.9	
							Bottom	1st	27.5	8.1	26.9	5.6	5.6	82.3	14.8		9.0	
							Bottom	2nd	27.5	8.2	26.5	5.6		82.5	14.6		9.1	
2018-10-05	Mid-Flood	CS(Mf)5	Sunny	Moderate	16:50	12.6	Surface	1st	27.2	8.1	27.3	6.0	5.5	88.1	2.1	4.7	4.0	4.4
							Surface	2nd	27.2	8.0	27.4	6.0		87.7	1.6		4.3	
							Middle	1st	27.3	8.1	29.8	5.0		75.0	4.5		3.8	
							Middle	2nd	27.3	8.0	29.9	5.0		74.6	4.8		4.1	
							Bottom	1st	27.3	8.1	30.1	5.0	5.0	75.3	7.3		5.1	
							Bottom	2nd	27.4	8.0	30.2	5.0		74.7	7.6		5.0	
2018-10-05	Mid-Flood	SR7	Fine	Moderate	16:41	4.3	Surface	1st	27.5	8.2	25.9	6.1	6.1	89.4	4.1	5.0	7.7	8.5
							Surface	2nd	27.5	8.2	25.5	6.1		88.9	4.2		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.2	26.2	6.2	6.2	91.1	5.9		9.4	
							Bottom	2nd	27.5	8.2	25.8	6.2		90.2	5.9		8.9	
2018-10-05	Mid-Flood	IS17	Sunny	Moderate	16:30	9.0	Surface	1st	27.4	8.2	26.7	6.2	5.8	91.1	3.1	6.5	6.2	7.1
							Surface	2nd	27.4	8.1	26.8	6.2		90.5	3.1		6.0	
							Middle	1st	27.3	8.1	27.7	5.5		80.5	3.9		6.8	
							Middle	2nd	27.3	8.0	27.8	5.4		80.0	3.8		6.5	
							Bottom	1st	27.3	8.1	29.0	5.0	5.0	74.2	12.9		8.4	
							Bottom	2nd	27.4	8.0	29.1	5.0		73.8	12.3		8.8	
2018-10-05	Mid-Flood	IS(Mf)16	Sunny	Moderate	16:22	5.5	Surface	1st	27.4	8.2	26.8	6.7	6.7	98.1	4.7	8.0	7.3	8.1
							Surface	2nd	27.4	8.1	26.9	6.6		97.6	4.7		7.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.4	8.1	27.1	6.1	6.1	89.9	11.5		8.8	
							Bottom	2nd	27.4	8.0	27.2	6.1		89.3	11.1		8.7	
2018-10-05	Mid-Flood	IS8	Sunny	Calm	16:00	3.4	Surface	1st	27.5	8.2	26.6	6.3	6.3	92.7	8.8	9.7	11.1	12.2
							Surface	2nd	27.5	8.1	26.6	6.3		92.1	8.8		11.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.1	26.6	6.3	6.3	91.8	10.7		13.1	
							Bottom	2nd	27.5	8.1	26.7	6.2		91.2	10.6		13.0	
2018-10-05	Mid-Flood	SR4(N)	Sunny	Calm	16:06	4.4	Surface	1st	27.3	8.2	26.3	6.6	6.6	96.8	5.1	6.2	10.7	11.4
							Surface	2nd	27.4	8.1	26.3	6.6		96.1	5.2		10.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	8.2	26.4	6.5	6.5	95.3	7.1		12.1	
							Bottom	2nd	27.4	8.1	26.4	6.4		94.4	7.3		11.9	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-05	Mid-Flood	IS(Mf)9	Sunny	Calm	15:52	3.1	Surface	1st	27.5	8.2	26.7	6.2	6.2	91.2	7.6	12.0	10.2	11.4
							Surface	2nd	27.5	8.1	26.8	6.2		90.5	7.3		10.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.1	27.0	6.0	6.0	88.8	16.7		12.3	
							Bottom	2nd	27.5	8.0	27.1	6.0		88.2	16.2		12.6	
2018-10-05	Mid-Flood	IS7	Sunny	Calm	15:44	2.5	Surface	1st	-	-	-	-	6.5	-	-	8.2	-	15.5
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.7	8.1	27.0	6.5		95.6	8.2		15.7	
							Middle	2nd	27.7	8.0	27.0	6.4		94.5	8.2		15.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-05	Mid-Flood	IS(Mf)6	Sunny	Calm	15:35	2.3	Surface	1st	-	-	-	-	6.3	-	-	9.6	-	14.0
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.7	8.1	26.9	6.3		92.6	9.6		13.9	
							Middle	2nd	27.7	8.1	26.9	6.2		91.5	9.6		14.1	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-05	Mid-Flood	IS5	Sunny	Calm	15:27	8.4	Surface	1st	27.6	8.1	26.9	6.2	6.2	91.6	10.9	10.7	13.1	14.8
							Surface	2nd	27.6	8.1	26.9	6.2		90.7	10.5		13.4	
							Middle	1st	27.6	8.1	26.9	6.2		91.4	10.4		15.3	
							Middle	2nd	27.6	8.1	27.0	6.1		90.5	10.3		14.7	
							Bottom	1st	27.6	8.1	26.9	6.2	6.2	91.3	11.1		16.2	
							Bottom	2nd	27.6	8.1	27.0	6.1		90.3	11.1		16.2	
2018-10-05	Mid-Flood	SR3(N)	Sunny	Calm	15:19	4.1	Surface	1st	27.6	8.2	26.9	6.2	6.2	91.2	9.4	10.1	17.1	18.3
							Surface	2nd	27.6	8.2	27.0	6.1		90.6	9.2		16.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.6	8.1	26.9	6.2	6.2	90.9	11.0		19.5	
							Bottom	2nd	27.6	8.1	27.0	6.1		90.2	10.6		19.5	
2018-10-08	Mid-Ebb	SR10A(N)	Sunny	Moderate	12:30	11.7	Surface	1st	27.5	8.2	27.5	5.8	5.8	85.3	9.1	9.9	7.1	8.0
							Surface	2nd	27.5	8.2	27.8	5.8		85.5	9.3		7.2	
							Middle	1st	27.4	8.2	27.7	5.7		83.6	10.2		7.7	
							Middle	2nd	27.4	8.2	28.1	5.7		83.5	10.3		8.1	
							Bottom	1st	27.3	8.2	27.9	5.7	5.7	83.7	10.3		9.3	
							Bottom	2nd	27.3	8.1	28.2	5.7		83.8	10.1		8.7	
2018-10-08	Mid-Ebb	SR10B(N2)	Sunny	Moderate	12:24	6.7	Surface	1st	27.5	8.2	27.7	5.8	5.8	85.3	5.3	5.3	6.4	8.8
							Surface	2nd	27.5	8.1	28.0	5.8		85.5	5.1		6.7	
							Middle	1st	27.5	8.2	27.6	5.8		85.6	5.3		8.9	
							Middle	2nd	27.5	8.1	28.0	5.8		85.8	5.1		9.2	
							Bottom	1st	27.5	8.2	27.6	5.9	5.9	87.7	5.8		11.0	
							Bottom	2nd	27.5	8.1	28.0	5.9		87.8	5.4		10.8	
2018-10-08	Mid-Ebb	CSA	Sunny	Moderate	12:14	32.0	Surface	1st	27.4	8.1	28.8	5.7	5.6	84.8	5.3	5.4	8.3	9.4
							Surface	2nd	27.4	8.1	28.9	5.7		84.2	5.5		8.4	
							Middle	1st	27.2	8.1	30.1	5.5		81.3	4.9		8.7	
							Middle	2nd	27.2	8.1	30.1	5.4		80.3	4.9		9.2	
							Bottom	1st	27.2	8.1	30.2	5.5	5.5	82.1	5.7		10.7	
							Bottom	2nd	27.2	8.1	30.3	5.4		80.8	5.9		11.1	
2018-10-08	Mid-Ebb	CS6	Sunny	Moderate	12:04	9.4	Surface	1st	27.8	8.1	28.6	6.0	5.8	89.4	4.6	8.1	7.8	8.2
							Surface	2nd	27.9	8.1	28.7	5.9		88.4	4.5		7.7	
							Middle	1st	27.4	8.1	29.3	5.6		82.8	6.8		8.0	
							Middle	2nd	27.4	8.1	29.4	5.5		82.0	7.0		8.4	
							Bottom	1st	27.2	8.1	29.7	5.5	5.5	81.6	12.6		8.6	
							Bottom	2nd	27.3	8.1	29.8	5.4		80.5	13.1		8.8	
2018-10-08	Mid-Ebb	CS4	Sunny	Moderate	11:11	18.2	Surface	1st	27.4	8.1	28.2	5.8	5.7	85.4	8.1	8.1	8.9	12.0
							Surface	2nd	27.4	8.1	28.2	5.7		84.4	8.9		9.3	
							Middle	1st	27.2	8.1	28.8	5.6		82.2	7.4		10.0	
							Middle	2nd	27.2	8.1	28.8	5.5		81.4	7.3		10.3	
							Bottom	1st	27.2	8.1	29.5	5.5	5.5	81.0	8.5		16.5	
							Bottom	2nd	27.2	8.1	29.6	5.4		80.0	8.4		16.8	
2018-10-08	Mid-Ebb	SR6	Sunny	Moderate	10:36	4.2	Surface	1st	27.3	8.2	29.9	6.0	6.0	89.7	9.7	11.7	13.0	14.6
							Surface	2nd	27.3	8.2	29.9	6.0		89.7	9.3		13.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.2	30.2	6.0	6.0	88.9	13.9		16.3	
							Bottom	2nd	27.2	8.2	30.2	5.9		87.8	13.9		15.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-08	Mid-Ebb	CS(Mf)3(N)	Sunny	Moderate	10:54	7.2	Surface	1st	27.1	8.1	29.0	5.8	5.8	85.6	11.3	15.8	11.1	12.3
							Surface	2nd	27.2	8.1	29.0	5.7		84.6	11.4		10.8	
							Middle	1st	27.1	8.2	29.3	5.8		85.9	16.6		12.0	
							Middle	2nd	27.1	8.2	29.3	5.7		84.8	16.7		11.6	
							Bottom	1st	27.1	8.2	29.4	5.8	5.8	86.0	19.4		14.0	
							Bottom	2nd	27.1	8.2	29.6	5.7		85.2	19.4		14.2	
2018-10-08	Mid-Ebb	SR5(N)	Sunny	Moderate	11:29	9.6	Surface	1st	27.4	8.1	27.8	6.0	5.9	88.4	6.8	13.9	16.0	17.4
							Surface	2nd	27.4	8.1	27.9	5.9		87.6	7.0		16.7	
							Middle	1st	27.1	8.2	28.9	5.9		86.7	16.1		17.4	
							Middle	2nd	27.1	8.1	28.9	5.8		85.6	16.0		17.6	
							Bottom	1st	27.1	8.2	29.2	5.9	5.9	87.9	18.8		18.5	
							Bottom	2nd	27.2	8.1	29.3	5.9		86.7	18.9		18.1	
2018-10-08	Mid-Ebb	IS10(N)	Sunny	Moderate	11:35	12.2	Surface	1st	27.5	8.1	28.1	6.1	6.0	90.1	6.1	8.7	14.7	16.7
							Surface	2nd	27.5	8.1	28.2	6.0		89.1	6.7		15.1	
							Middle	1st	27.2	8.2	29.0	5.9		87.7	9.6		16.3	
							Middle	2nd	27.2	8.1	29.1	5.9		86.7	10.9		16.1	
							Bottom	1st	27.2	8.2	29.0	5.9	5.9	87.8	9.6		18.8	
							Bottom	2nd	27.2	8.1	29.2	5.9		87.1	9.0		19.3	
2018-10-08	Mid-Ebb	IS(Mf)11	Sunny	Moderate	11:41	11.8	Surface	1st	27.3	8.2	28.4	6.0	5.9	88.3	6.9	10.4	14.0	20.4
							Surface	2nd	27.3	8.1	28.5	5.9		87.3	7.3		14.2	
							Middle	1st	27.2	8.2	28.9	5.9		88.0	10.3		19.9	
							Middle	2nd	27.2	8.1	28.9	5.9		86.9	10.3		20.4	
							Bottom	1st	27.2	8.2	29.0	6.0	6.0	88.3	14.0		26.6	
							Bottom	2nd	27.2	8.1	29.0	5.9		87.2	13.5		27.2	
2018-10-08	Mid-Ebb	CS(Mf)5	Sunny	Moderate	11:59	12.7	Surface	1st	27.4	8.2	26.8	5.8	5.8	85.5	10.5	11.9	8.9	10.0
							Surface	2nd	27.4	8.2	27.1	5.8		85.4	10.8		9.0	
							Middle	1st	27.3	8.2	27.1	5.8		84.7	11.6		9.1	
							Middle	2nd	27.3	8.1	27.4	5.7		84.4	11.8		9.6	
							Bottom	1st	27.3	8.2	27.3	5.9	5.9	86.3	13.2		11.6	
							Bottom	2nd	27.3	8.1	27.6	5.9		86.4	13.4		11.5	
2018-10-08	Mid-Ebb	SR7	Sunny	Moderate	11:48	4.6	Surface	1st	27.2	8.2	28.7	5.9	5.9	87.5	15.9	16.8	9.8	15.8
							Surface	2nd	27.2	8.1	28.7	5.8		86.4	15.4		9.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.2	28.7	6.0	6.0	88.8	17.8		21.7	
							Bottom	2nd	27.3	8.1	28.8	5.9		87.4	17.9		22.2	
2018-10-08	Mid-Ebb	IS17	Sunny	Moderate	11:42	8.4	Surface	1st	27.5	8.2	26.8	6.0	6.0	87.6	6.4	6.8	5.4	7.6
							Surface	2nd	27.5	8.1	27.1	6.0		87.8	6.4		5.6	
							Middle	1st	27.4	8.2	26.8	6.0		87.8	6.8		6.9	
							Middle	2nd	27.4	8.1	27.1	6.0		87.9	6.9		7.2	
							Bottom	1st	27.4	8.2	26.8	6.2	6.2	90.8	7.2		10.0	
							Bottom	2nd	27.4	8.1	27.2	6.2		90.9	7.0		10.2	
2018-10-08	Mid-Ebb	IS(Mf)16	Sunny	Calm	11:36	5.7	Surface	1st	27.5	8.2	26.5	6.1	6.1	89.5	4.9	5.2	7.0	7.5
							Surface	2nd	27.5	8.1	26.8	6.1		89.7	4.5		6.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.2	26.6	6.1	6.1	89.5	5.9		8.1	
							Bottom	2nd	27.2	8.1	27.0	6.1		89.1	5.6		7.8	
2018-10-08	Mid-Ebb	IS8	Sunny	Calm	11:15	4.1	Surface	1st	27.4	8.2	26.5	6.1	6.1	89.4	5.5	6.0	8.8	9.6
							Surface	2nd	27.4	8.1	26.8	6.1		89.5	5.4		8.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.2	26.7	6.1	6.1	89.8	6.3		10.4	
							Bottom	2nd	27.2	8.1	27.0	6.1		89.8	6.6		10.3	
2018-10-08	Mid-Ebb	SR4(N)	Sunny	Calm	11:20	4.4	Surface	1st	27.3	8.2	25.8	6.1	6.1	89.2	6.3	6.4	8.1	8.2
							Surface	2nd	27.3	8.1	25.8	6.1		89.1	6.4		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	8.2	26.4	6.2	6.2	91.0	6.4		8.2	
							Bottom	2nd	27.3	8.1	26.7	6.2		91.0	6.6		8.4	
2018-10-08	Mid-Ebb	IS(Mf)9	Sunny	Calm	11:07	3.8	Surface	1st	27.5	8.2	26.4	6.4	6.4	93.3	3.2	3.5	6.6	7.4
							Surface	2nd	27.5	8.1	26.7	6.3		93.2	3.6		7.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.4	8.1	26.5	6.5	6.5	94.9	3.2		7.6	
							Bottom	2nd	27.4	8.1	26.8	6.5		94.8	3.9		8.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-08	Mid-Ebb	IS7	Sunny	Calm	10:59	3.5	Surface	1st	27.3	8.2	26.4	6.2	6.2	90.3	5.2	6.0	7.9	9.2
							Surface	2nd	27.3	8.1	26.7	6.2		90.2	5.7		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	8.2	26.4	6.2	6.2	90.7	6.5		10.2	
							Bottom	2nd	27.3	8.1	26.7	6.2		90.5	6.5		10.8	
2018-10-08	Mid-Ebb	IS(Mf)6	Sunny	Calm	10:50	3.9	Surface	1st	27.5	8.2	26.5	6.0	6.0	87.6	8.4	9.3	8.5	9.1
							Surface	2nd	27.5	8.1	26.8	6.0		87.6	8.2		8.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.4	8.2	26.5	6.0	6.0	87.5	10.5		9.6	
							Bottom	2nd	27.4	8.1	26.9	6.0		87.4	10.1		10.0	
2018-10-08	Mid-Ebb	IS5	Sunny	Calm	10:44	7.8	Surface	1st	27.4	8.2	26.8	6.0	6.0	87.8	9.0	11.4	10.0	11.6
							Surface	2nd	27.4	8.1	27.2	6.0		87.9	9.4		11.0	
							Middle	1st	27.3	8.2	26.9	6.0		87.9	10.6		11.3	
							Middle	2nd	27.3	8.1	27.2	6.0		87.9	10.2		11.5	
							Bottom	1st	27.3	8.2	27.2	6.0	6.0	88.4	14.7		12.7	
							Bottom	2nd	27.3	8.1	27.6	6.0		88.3	14.7		12.9	
2018-10-08	Mid-Ebb	SR3(N)	Sunny	Calm	10:37	4.4	Surface	1st	27.4	8.1	26.6	6.0	6.0	87.1	8.7	10.8	8.8	9.3
							Surface	2nd	27.4	8.1	26.9	5.9		87.2	8.8		8.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	8.1	26.6	6.0	6.0	88.2	12.6		9.8	
							Bottom	2nd	27.3	8.1	27.1	6.0		88.1	13.0		9.8	
2018-10-08	Mid-Flood	SR10A(N)	Fine	Moderate	4:41	11.6	Surface	1st	27.2	8.2	26.9	5.8	5.8	84.7	4.3	5.4	4.9	5.6
							Surface	2nd	27.2	8.1	27.3	5.8		85.2	4.7		5.2	
							Middle	1st	27.2	8.1	27.4	5.7		83.8	5.8		5.1	
							Middle	2nd	27.2	8.1	27.7	5.7		84.3	5.7		5.3	
							Bottom	1st	27.2	8.1	27.4	5.7	5.8	84.2	5.8		6.3	
							Bottom	2nd	27.2	8.1	27.8	5.8		84.6	5.9		6.5	
2018-10-08	Mid-Flood	SR10B(N2)	Fine	Moderate	4:53	6.6	Surface	1st	27.3	8.2	28.4	5.6	5.6	82.0	10.4	10.8	5.3	6.0
							Surface	2nd	27.3	8.1	28.8	5.5		82.1	10.3		5.4	
							Middle	1st	27.3	8.1	28.4	5.6		83.1	10.4		5.2	
							Middle	2nd	27.3	8.1	28.8	5.6		82.8	10.6		5.4	
							Bottom	1st	27.3	8.1	28.4	5.7	5.7	84.4	11.4		7.5	
							Bottom	2nd	27.3	8.1	28.8	5.7		84.1	11.4		7.2	
2018-10-08	Mid-Flood	CSA	Cloudy	Moderate	5:06	32.1	Surface	1st	27.0	8.1	28.7	6.1	6.1	89.9	6.7	9.4	6.4	6.9
							Surface	2nd	27.1	8.2	28.7	6.0		89.0	6.2		6.1	
							Middle	1st	27.0	8.1	28.8	6.2		90.9	8.9		6.9	
							Middle	2nd	27.0	8.2	28.9	6.1		89.9	9.4		7.3	
							Bottom	1st	27.0	8.1	28.8	6.2	6.2	91.8	12.7		7.1	
							Bottom	2nd	27.0	8.2	28.9	6.2		90.8	12.6		7.6	
2018-10-08	Mid-Flood	CS6	Cloudy	Moderate	5:16	9.1	Surface	1st	27.1	8.1	28.3	5.8	5.7	85.0	6.0	8.1	17.1	18.2
							Surface	2nd	27.1	8.1	28.4	5.7		83.9	6.3		16.8	
							Middle	1st	27.2	8.1	28.9	5.6		82.7	6.2		17.6	
							Middle	2nd	27.3	8.1	29.0	5.5		81.6	6.3		18.2	
							Bottom	1st	27.2	8.1	29.4	5.6	5.6	83.2	11.9		19.9	
							Bottom	2nd	27.2	8.1	29.5	5.5		81.8	12.1		19.8	
2018-10-08	Mid-Flood	CS4	Cloudy	Moderate	6:07	17.6	Surface	1st	26.8	8.1	28.2	6.2	6.2	90.9	7.6	10.7	11.1	12.9
							Surface	2nd	26.9	8.0	28.3	6.1		89.5	7.5		11.4	
							Middle	1st	26.9	8.1	28.2	6.3		91.8	14.6		13.2	
							Middle	2nd	26.9	8.0	28.3	6.2		90.3	14.0		12.9	
							Bottom	1st	26.2	8.2	28.4	6.3	6.3	91.6	10.2		14.4	
							Bottom	2nd	26.6	8.0	28.5	6.2		90.1	10.3		14.5	
2018-10-08	Mid-Flood	SR6	Cloudy	Moderate	6:34	4.2	Surface	1st	27.0	8.1	28.6	6.0	6.0	87.7	10.8	15.8	6.5	8.1
							Surface	2nd	27.1	8.0	28.7	5.9		86.4	10.2		6.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.1	28.7	6.0	6.0	89.1	20.6		9.6	
							Bottom	2nd	27.1	8.0	28.8	5.9		87.4	21.5		9.9	
2018-10-08	Mid-Flood	CS(Mf)3(N)	Cloudy	Moderate	6:18	7.0	Surface	1st	27.1	8.1	27.7	5.8	5.8	85.6	15.4	17.0	23.0	24.9
							Surface	2nd	27.2	8.0	27.8	5.8		84.6	15.4		23.5	
							Middle	1st	27.1	8.1	27.8	5.9		86.0	18.2		24.9	
							Middle	2nd	27.1	8.0	27.9	5.8		84.8	18.4		25.3	
							Bottom	1st	27.1	8.1	27.9	5.9	5.9	86.7	17.1		26.3	
							Bottom	2nd	27.1	8.0	28.0	5.8		85.3	17.3		26.1	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-08	Mid-Flood	SR5(N)	Cloudy	Moderate	5:51	8.8	Surface	1st	27.1	8.1	28.4	5.8	5.7	85.0	13.6	14.1	8.8	13.0
							Surface	2nd	27.1	8.1	28.4	5.7		83.9	13.6		9.2	
							Middle	1st	27.1	8.2	28.6	5.7		84.6	13.2		12.9	
							Middle	2nd	27.1	8.1	28.7	5.7		83.5	13.1		12.6	
							Bottom	1st	27.1	8.2	28.7	5.7	5.7	84.6	15.5		17.4	
							Bottom	2nd	27.1	8.1	28.7	5.7		83.5	15.6		17.1	
2018-10-08	Mid-Flood	IS10(N)	Cloudy	Moderate	5:45	12.0	Surface	1st	27.1	8.2	28.6	5.8	5.7	85.1	11.4	13.2	8.1	9.8
							Surface	2nd	27.1	8.1	28.6	5.7		84.1	11.3		8.3	
							Middle	1st	27.1	8.2	28.8	5.7		84.1	14.8		9.2	
							Middle	2nd	27.2	8.1	28.8	5.6		83.1	14.2		9.6	
							Bottom	1st	27.1	8.1	28.8	5.7	5.7	84.1	13.9		11.8	
							Bottom	2nd	27.2	8.1	28.9	5.6		83.0	13.6		12.0	
2018-10-08	Mid-Flood	IS(Mf)11	Cloudy	Moderate	5:40	11.7	Surface	1st	27.1	8.1	28.5	5.8	5.8	85.6	7.2	9.1	7.4	9.5
							Surface	2nd	27.1	8.1	28.5	5.7		84.6	8.0		7.6	
							Middle	1st	27.1	8.1	28.6	5.8		85.1	9.6		8.2	
							Middle	2nd	27.2	8.1	28.7	5.7		84.0	9.2		8.0	
							Bottom	1st	27.2	8.1	28.6	5.8	5.8	85.4	10.1		12.5	
							Bottom	2nd	27.2	8.1	28.7	5.7		84.2	10.4		13.0	
2018-10-08	Mid-Flood	CS(Mf)5	Fine	Moderate	5:20	12.5	Surface	1st	27.3	8.2	26.8	5.8	5.8	84.9	9.3	10.7	8.0	8.8
							Surface	2nd	27.3	8.2	27.2	5.8		85.2	9.0		7.6	
							Middle	1st	27.3	8.1	27.0	5.7		83.9	10.4		8.0	
							Middle	2nd	27.3	8.1	27.4	5.7		83.9	10.4		8.2	
							Bottom	1st	27.3	8.1	27.5	5.8	5.8	84.6	12.9		10.2	
							Bottom	2nd	27.3	8.1	28.0	5.7		84.2	12.2		10.5	
2018-10-08	Mid-Flood	SR7	Cloudy	Moderate	5:34	4.5	Surface	1st	27.1	8.1	28.7	5.7	5.7	84.8	18.1	16.4	19.7	21.8
							Surface	2nd	27.1	8.1	28.7	5.7		83.7	18.3		20.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.1	28.7	5.7	5.7	84.4	14.2		23.6	
							Bottom	2nd	27.1	8.1	28.7	5.6		83.3	14.9		23.9	
2018-10-08	Mid-Flood	IS17	Fine	Moderate	5:39	8.2	Surface	1st	27.2	8.1	26.6	6.0	6.0	87.3	6.2	10.9	6.6	9.2
							Surface	2nd	27.2	8.1	26.9	6.0		87.3	6.7		7.3	
							Middle	1st	27.2	8.1	26.8	6.0		88.0	12.8		9.5	
							Middle	2nd	27.2	8.1	27.1	6.0		87.8	12.5		9.7	
							Bottom	1st	27.2	8.0	26.8	6.2	6.2	90.2	13.4		10.8	
							Bottom	2nd	27.2	8.0	27.2	6.2		91.0	13.7		11.3	
2018-10-08	Mid-Flood	IS(Mf)16	Fine	Moderate	5:46	5.7	Surface	1st	27.2	8.2	26.5	5.9	5.9	86.5	5.7	6.3	5.3	5.7
							Surface	2nd	27.2	8.2	26.9	5.9		86.5	5.5		4.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.1	26.8	5.9	5.9	86.9	6.8		6.5	
							Bottom	2nd	27.2	8.1	27.2	5.9		86.8	7.0		6.1	
2018-10-08	Mid-Flood	IS8	Fine	Calm	6:08	4.1	Surface	1st	27.2	8.2	26.4	6.1	6.1	89.3	5.6	5.9	5.9	6.8
							Surface	2nd	27.2	8.1	26.8	6.1		89.2	5.4		5.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.1	26.7	6.3	6.3	92.6	6.4		7.9	
							Bottom	2nd	27.2	8.1	27.1	6.3		92.2	6.2		7.8	
2018-10-08	Mid-Flood	SR4(N)	Fine	Calm	6:02	4.3	Surface	1st	27.2	8.2	26.7	6.0	6.0	87.4	4.7	5.3	5.2	6.2
							Surface	2nd	27.2	8.1	27.1	5.9		87.0	5.2		5.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.1	26.8	6.3	6.3	92.0	5.9		7.3	
							Bottom	2nd	27.1	8.0	27.2	6.3		91.7	5.4		6.6	
2018-10-08	Mid-Flood	IS(Mf)9	Fine	Calm	6:20	3.8	Surface	1st	27.1	8.2	26.3	6.0	6.0	87.9	5.1	6.6	5.8	6.5
							Surface	2nd	27.1	8.2	26.7	6.0		87.6	5.3		6.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.1	26.8	6.1	6.1	88.7	8.1		7.0	
							Bottom	2nd	27.2	8.1	27.2	6.1		89.0	7.9		6.9	
2018-10-08	Mid-Flood	IS7	Fine	Calm	6:27	3.5	Surface	1st	27.2	8.2	26.4	6.0	6.0	87.9	4.6	5.2	5.8	7.1
							Surface	2nd	27.2	8.2	26.8	6.0		87.6	5.0		6.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.2	26.4	6.0	6.0	88.2	5.9		8.4	
							Bottom	2nd	27.2	8.2	26.8	6.0		87.5	5.2		7.8	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-08	Mid-Flood	IS(Mf)6	Fine	Calm	6:36	3.3	Surface	1st	27.2	8.2	26.3	6.2	6.2	90.2	10.8	11.0	6.7	6.9
							Surface	2nd	27.2	8.1	26.7	6.2		90.0	10.8		6.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.1	26.3	6.3	6.3	91.5	11.1		7.0	
							Bottom	2nd	27.2	8.1	26.7	6.2		91.1	11.1		7.2	
2018-10-08	Mid-Flood	IS5	Fine	Calm	6:43	7.7	Surface	1st	27.2	8.2	26.3	6.0	6.0	87.4	5.5	5.5	6.2	7.1
							Surface	2nd	27.2	8.2	26.8	6.0		87.4	5.2		6.1	
							Middle	1st	27.2	8.2	26.4	6.1		88.4	5.6		6.7	
							Middle	2nd	27.2	8.1	26.8	6.0		88.3	5.4		7.1	
							Bottom	1st	27.2	8.2	26.4	6.1	6.1	89.3	5.8		8.3	
							Bottom	2nd	27.2	8.1	26.8	6.1		89.3	5.3		8.1	
2018-10-08	Mid-Flood	SR3(N)	Fine	Calm	6:51	4.5	Surface	1st	27.2	8.1	26.4	6.2	6.2	91.1	7.5	7.6	5.9	6.6
							Surface	2nd	27.2	8.1	26.8	6.2		90.8	7.4		6.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	8.1	26.3	6.4	6.4	93.6	7.7		7.0	
							Bottom	2nd	27.2	8.0	26.8	6.4		93.3	7.8		7.0	
2018-10-10	Mid-Ebb	SR10A(N)	Cloudy	Moderate	13:49	12.0	Surface	1st	27.5	8.0	29.5	5.5	5.5	81.3	6.7	7.4	9.2	9.3
							Surface	2nd	27.4	8.1	29.4	5.5		82.0	6.9		8.5	
							Middle	1st	27.5	7.9	29.6	5.5		81.3	7.3		9.5	
							Middle	2nd	27.4	8.1	29.5	5.5		82.1	7.4		8.9	
							Bottom	1st	27.4	7.9	29.6	5.5	5.6	82.1	7.9		9.3	
							Bottom	2nd	27.4	8.1	29.5	5.6		83.3	8.0		10.2	
2018-10-10	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	13:44	6.4	Surface	1st	27.5	8.0	29.4	5.5	5.6	82.3	8.3	8.3	12.9	11.8
							Surface	2nd	27.5	8.1	29.3	5.6		83.0	8.4		12.1	
							Middle	1st	27.5	8.0	29.4	5.6		82.7	8.3		11.4	
							Middle	2nd	27.5	8.1	29.3	5.6		83.6	8.4		10.2	
							Bottom	1st	27.5	7.9	29.4	5.6	5.7	83.6	8.1		12.3	
							Bottom	2nd	27.5	8.1	29.3	5.7		84.9	8.2		11.6	
2018-10-10	Mid-Ebb	CSA	Rainy	Moderate	13:34	35.0	Surface	1st	27.8	8.2	27.1	5.7	5.6	84.8	8.7	9.4	10.8	10.7
							Surface	2nd	27.8	8.2	26.7	5.7		84.7	8.7		10.1	
							Middle	1st	27.4	8.2	28.2	5.4		80.1	9.0		10.8	
							Middle	2nd	27.4	8.2	27.8	5.4		80.3	9.0		11.4	
							Bottom	1st	27.4	8.2	28.4	5.4	5.5	80.6	10.7		10.6	
							Bottom	2nd	27.4	8.2	28.0	5.5		80.8	10.4		10.4	
2018-10-10	Mid-Ebb	CS6	Rainy	Moderate	13:25	10.5	Surface	1st	27.6	8.2	27.2	5.7	5.7	83.9	9.5	9.8	9.2	10.0
							Surface	2nd	27.6	8.2	26.8	5.7		84.4	9.5		8.8	
							Middle	1st	27.5	8.2	27.7	5.6		82.1	9.7		11.4	
							Middle	2nd	27.5	8.2	27.3	5.6		82.5	9.7		10.9	
							Bottom	1st	27.5	8.2	28.0	5.6	5.6	82.3	9.5		9.3	
							Bottom	2nd	27.5	8.2	27.6	5.6		83.3	10.9		10.3	
2018-10-10	Mid-Ebb	CS4	Rainy	Moderate	12:33	16.5	Surface	1st	27.6	8.2	25.9	5.9	5.9	86.2	13.2	14.7	16.8	14.4
							Surface	2nd	27.6	8.2	25.5	5.9		86.2	13.2		16.2	
							Middle	1st	27.5	8.2	26.6	5.8		85.4	14.8		14.6	
							Middle	2nd	27.5	8.2	26.2	5.8		85.5	14.8		14.8	
							Bottom	1st	27.5	8.2	26.8	5.8	5.9	85.0	16.0		12.5	
							Bottom	2nd	27.5	8.2	26.4	5.9		85.9	15.9		11.5	
2018-10-10	Mid-Ebb	SR6	Rainy	Rough	12:01	4.3	Surface	1st	27.4	8.2	27.1	6.2	6.2	90.4	12.5	14.6	18.0	17.4
							Surface	2nd	27.4	8.2	26.7	6.2		90.2	15.1		17.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.4	8.2	27.3	6.1	6.1	90.2	13.9		16.9	
							Bottom	2nd	27.4	8.2	26.9	6.1		90.3	16.7		16.7	
2018-10-10	Mid-Ebb	CS(Mf)3(N)	Rainy	Moderate	12:17	7.1	Surface	1st	27.5	8.1	25.8	5.9	5.9	86.1	16.3	16.9	15.6	16.3
							Surface	2nd	27.5	8.2	25.5	5.9		86.3	16.3		16.4	
							Middle	1st	27.5	8.2	26.0	5.9		85.8	16.5		16.5	
							Middle	2nd	27.6	8.2	25.6	5.9		86.0	16.5		16.1	
							Bottom	1st	27.5	8.2	26.8	6.0	6.0	87.7	17.9		16.5	
							Bottom	2nd	27.5	8.2	26.4	6.0		87.6	17.9		16.9	
2018-10-10	Mid-Ebb	SR5(N)	Rainy	Moderate	12:50	9.4	Surface	1st	27.6	8.2	25.5	6.0	6.0	87.1	14.8	15.5	13.6	11.2
							Surface	2nd	27.7	8.2	25.1	6.0		87.1	14.6		12.9	
							Middle	1st	27.5	8.2	26.7	6.0		87.7	15.9		9.8	
							Middle	2nd	27.5	8.2	26.3	6.0		87.8	14.8		9.5	
							Bottom	1st	27.6	8.2	27.1	6.0	6.0	88.6	16.7		10.7	
							Bottom	2nd	27.6	8.3	26.7	6.0		88.6	15.9		10.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-10	Mid-Ebb	IS10(N)	Rainy	Moderate	12:55	12.6	Surface	1st	27.6	8.2	25.7	6.0	6.0	87.7	12.5	12.6	10.0	11.8
							Surface	2nd	27.6	8.2	25.3	6.0		87.5	11.4		9.1	
							Middle	1st	27.5	8.2	26.7	6.0		88.1	12.8		12.5	
							Middle	2nd	27.5	8.3	26.3	6.0		88.1	12.5		11.5	
							Bottom	1st	27.5	8.2	26.9	6.0	6.0	88.0	13.2		14.6	
							Bottom	2nd	27.5	8.3	26.5	6.0		87.6	13.2		13.1	
2018-10-10	Mid-Ebb	IS(Mf)11	Rainy	Moderate	13:00	11.2	Surface	1st	27.5	8.2	26.3	6.0	6.0	87.9	10.1	12.1	13.8	13.8
							Surface	2nd	27.5	8.2	25.9	6.0		87.9	11.6		14.0	
							Middle	1st	27.6	8.2	26.4	6.0		87.9	12.1		12.7	
							Middle	2nd	27.6	8.2	26.1	6.0		87.8	12.1		13.9	
							Bottom	1st	27.6	8.3	26.7	6.0	6.0	88.1	13.4		14.3	
							Bottom	2nd	27.6	8.3	26.3	6.0		88.1	13.5		14.2	
2018-10-10	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	13:17	11.6	Surface	1st	27.5	8.0	28.6	5.6	5.6	83.5	9.7	14.4	18.9	16.2
							Surface	2nd	27.5	8.1	28.5	5.7		84.2	9.8		19.3	
							Middle	1st	27.4	8.0	29.0	5.5		81.2	14.2		16.3	
							Middle	2nd	27.4	8.1	28.9	5.5		82.0	14.3		15.1	
							Bottom	1st	27.4	8.0	29.1	5.5	5.5	81.0	19.1		14.0	
							Bottom	2nd	27.4	8.1	29.1	5.5		81.9	19.2		13.6	
2018-10-10	Mid-Ebb	SR7	Rainy	Moderate	13:08	4.5	Surface	1st	27.5	8.2	26.7	5.9	6.0	86.8	13.3	13.9	20.2	22.1
							Surface	2nd	27.5	8.2	26.3	6.0		87.5	13.2		20.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.2	26.7	6.1	6.2	90.2	14.5		24.0	
							Bottom	2nd	27.5	8.2	26.3	6.2		90.4	14.4		23.5	
2018-10-10	Mid-Ebb	IS17	Rainy	Moderate	13:01	8.2	Surface	1st	27.5	8.0	28.5	5.6	5.7	83.3	10.8	11.1	16.8	15.1
							Surface	2nd	27.4	8.1	28.4	5.7		84.0	10.9		17.3	
							Middle	1st	27.4	8.0	28.6	5.6		83.3	11.2		14.5	
							Middle	2nd	27.4	8.1	28.5	5.7		84.1	11.3		15.4	
							Bottom	1st	27.4	8.0	28.6	5.7	5.7	83.8	11.2		13.0	
							Bottom	2nd	27.4	8.1	28.5	5.7		84.8	11.3		13.4	
2018-10-10	Mid-Ebb	IS(Mf)16	Rainy	Moderate	12:54	5.7	Surface	1st	27.4	8.0	28.5	5.8	5.8	85.8	9.2	11.0	10.0	11.0
							Surface	2nd	27.3	8.1	28.4	5.8		86.4	9.3		10.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	8.0	28.7	5.7	5.8	84.9	12.7		11.7	
							Bottom	2nd	27.2	8.1	28.6	5.8		85.8	12.8		11.7	
2018-10-10	Mid-Ebb	IS8	Rainy	Moderate	12:31	4.0	Surface	1st	27.2	7.9	28.6	5.7	5.8	84.7	19.3	19.1	14.9	13.6
							Surface	2nd	27.2	8.1	28.5	5.8		85.6	19.4		14.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	7.9	28.6	5.8	5.9	86.1	18.8		12.5	
							Bottom	2nd	27.2	8.1	28.5	5.9		87.5	18.9		12.2	
2018-10-10	Mid-Ebb	SR4(N)	Rainy	Moderate	12:38	3.2	Surface	1st	27.3	7.9	28.4	5.6	5.7	83.2	9.5	9.5	8.4	8.7
							Surface	2nd	27.3	8.1	28.3	5.7		84.1	9.7		9.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	7.9	28.4	5.7	5.7	83.8	9.4		8.8	
							Bottom	2nd	27.3	8.1	28.3	5.7		84.8	9.5		8.4	
2018-10-10	Mid-Ebb	IS(Mf)9	Rainy	Moderate	12:25	3.2	Surface	1st	27.3	7.9	28.6	5.9	5.9	86.7	6.7	6.8	20.7	19.9
							Surface	2nd	27.3	8.1	28.5	5.9		87.5	6.8		20.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	7.9	28.6	5.9	5.9	86.8	6.7		19.1	
							Bottom	2nd	27.3	8.1	28.5	5.9		87.7	6.8		19.2	
2018-10-10	Mid-Ebb	IS7	Rainy	Moderate	12:20	2.7	Surface	1st	-	-	-	-	5.9	-	-	5.3	-	19.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.3	7.9	28.7	5.8		86.6	5.2		18.8	
							Middle	2nd	27.3	8.1	28.6	5.9		87.6	5.3		19.5	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-10	Mid-Ebb	IS(Mf)6	Rainy	Moderate	12:13	2.5	Surface	1st	-	-	-	-	6.0	-	-	12.3	-	18.1
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.2	7.9	28.8	5.9		87.5	12.2		17.4	
							Middle	2nd	27.1	8.1	28.7	6.0		88.7	12.3		18.7	
							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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-10	Mid-Ebb	IS5	Rainy	Moderate	12:07	9.0	Surface	1st	27.3	7.9	29.0	5.9	5.9	86.9	10.2	10.2	18.3	11.6
							Surface	2nd	27.3	8.1	28.9	5.9		87.6	10.3		16.0	
							Middle	1st	27.3	7.9	29.0	5.9		86.9	10.3		8.4	
							Middle	2nd	27.2	8.1	28.9	5.9		87.8	10.4		9.1	
							Bottom	1st	27.3	7.9	29.0	5.9	6.0	87.4	10.0		8.6	
							Bottom	2nd	27.2	8.1	28.9	6.0		88.4	10.1		9.4	
2018-10-10	Mid-Ebb	SR3(N)	Rainy	Moderate	12:02	3.6	Surface	1st	27.2	7.9	28.9	5.7	5.8	85.0	10.5	10.8	9.6	8.8
							Surface	2nd	27.2	8.1	28.9	5.8		85.7	10.6		9.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	7.9	28.9	5.8	5.8	85.5	11.0		7.3	
							Bottom	2nd	27.2	8.1	28.9	5.8		86.3	11.2		8.6	
2018-10-10	Mid-Flood	SR10A(N)	Cloudy	Moderate	6:12	11.8	Surface	1st	27.5	7.9	28.7	5.6	5.6	83.1	10.1	12.2	10.5	10.9
							Surface	2nd	27.4	8.1	28.6	5.7		83.8	10.2		10.9	
							Middle	1st	27.4	7.9	28.9	5.6		82.4	11.1		10.3	
							Middle	2nd	27.4	8.1	28.8	5.6		83.1	11.2		10.2	
							Bottom	1st	27.4	7.9	29.1	5.5	5.6	81.9	15.3		10.2	
							Bottom	2nd	27.4	8.1	29.0	5.6		82.7	15.4		13.1	
2018-10-10	Mid-Flood	SR10B(N2)	Cloudy	Moderate	6:20	5.8	Surface	1st	27.3	7.9	29.9	5.3	5.4	79.6	11.0	11.1	12.8	12.3
							Surface	2nd	27.3	8.1	29.8	5.4		80.3	11.1		11.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	7.9	29.9	5.4	5.4	79.8	11.0		12.3	
							Bottom	2nd	27.3	8.1	29.8	5.4		80.6	11.1		12.1	
2018-10-10	Mid-Flood	CSA	Fine	Calm	6:31	35.0	Surface	1st	27.6	8.1	26.2	5.8	5.8	84.5	10.0	10.4	15.6	14.4
							Surface	2nd	27.6	8.1	26.5	5.8		84.7	10.4		15.2	
							Middle	1st	27.6	8.2	26.4	5.7		83.9	10.2		14.3	
							Middle	2nd	27.6	8.2	26.8	5.7		83.8	10.0		14.8	
							Bottom	1st	27.6	8.1	26.5	5.7	5.7	83.4	11.4		13.5	
							Bottom	2nd	27.6	8.1	26.9	5.7		83.6	10.1		12.7	
2018-10-10	Mid-Flood	CS6	Fine	Calm	6:44	10.5	Surface	1st	27.6	8.2	26.2	5.8	5.8	84.6	14.2	15.1	13.5	13.3
							Surface	2nd	27.6	8.1	26.5	5.8		84.5	14.3		13.0	
							Middle	1st	27.6	8.2	26.3	5.7		83.8	14.3		14.3	
							Middle	2nd	27.6	8.2	26.7	5.7		83.6	15.9		14.7	
							Bottom	1st	27.5	8.2	26.8	5.8	5.8	85.0	15.6		11.5	
							Bottom	2nd	27.5	8.2	27.2	5.8		84.7	16.5		12.9	
2018-10-10	Mid-Flood	CS4	Fine	Calm	7:41	16.5	Surface	1st	27.6	8.2	25.8	5.8	5.8	84.6	10.1	10.4	28.7	24.0
							Surface	2nd	27.6	8.1	26.2	5.8		84.8	10.4		27.0	
							Middle	1st	27.5	8.2	26.4	5.7		83.4	10.3		25.8	
							Middle	2nd	27.5	8.2	26.8	5.7		83.5	10.3		25.5	
							Bottom	1st	27.5	8.2	26.6	5.6	5.6	82.5	10.6		17.3	
							Bottom	2nd	27.5	8.2	27.0	5.6		82.7	10.5		19.5	
2018-10-10	Mid-Flood	SR6	Fine	Calm	8:20	4.6	Surface	1st	27.5	8.2	26.1	6.0	6.0	87.3	13.9	14.2	29.5	29.4
							Surface	2nd	27.5	8.2	26.5	5.9		87.1	13.9		30.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.2	26.2	6.0	6.0	87.4	14.5		30.3	
							Bottom	2nd	27.5	8.2	26.5	5.9		87.2	14.4		27.4	
2018-10-10	Mid-Flood	CS(Mf)3(N)	Fine	Calm	7:58	7.3	Surface	1st	27.5	8.1	24.7	5.7	5.7	83.4	16.5	18.6	24.1	20.9
							Surface	2nd	27.5	8.1	25.1	5.7		83.6	19.7		23.0	
							Middle	1st	27.5	8.1	24.8	5.7		83.4	16.8		23.0	
							Middle	2nd	27.5	8.1	25.1	5.7		83.4	20.3		22.6	
							Bottom	1st	27.5	8.1	24.9	5.7	5.7	83.4	17.6		16.0	
							Bottom	2nd	27.5	8.1	25.2	5.7		83.5	20.5		16.6	
2018-10-10	Mid-Flood	SR5(N)	Fine	Calm	7:24	9.6	Surface	1st	27.6	8.2	25.8	5.8	5.8	85.3	18.7	17.9	20.0	21.0
							Surface	2nd	27.6	8.1	26.2	5.8		85.1	15.9		19.4	
							Middle	1st	27.5	8.2	25.8	5.8		85.0	19.4		21.9	
							Middle	2nd	27.5	8.2	26.2	5.8		85.0	16.5		20.7	
							Bottom	1st	27.5	8.2	26.3	5.9	5.9	85.9	19.6		22.8	
							Bottom	2nd	27.5	8.2	26.7	5.8		85.7	17.4		21.2	
2018-10-10	Mid-Flood	IS10(N)	Fine	Calm	7:18	12.7	Surface	1st	27.5	8.2	26.4	5.9	5.9	86.1	19.3	20.3	15.9	16.8
							Surface	2nd	27.5	8.2	26.8	5.9		86.0	19.5		16.6	
							Middle	1st	27.5	8.2	26.4	5.8		85.7	20.4		17.9	
							Middle	2nd	27.5	8.2	26.8	5.8		85.5	20.4		17.3	
							Bottom	1st	27.5	8.2	26.5	5.8	5.8	85.6	20.7		16.8	
							Bottom	2nd	27.5	8.2	26.9	5.8		85.5	21.5		16.5	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-10	Mid-Flood	IS(Mf)11	Fine	Calm	7:12	11.5	Surface	1st	27.4	8.2	26.3	5.9	5.9	85.7	15.1	15.4	18.9	23.3
							Surface	2nd	27.4	8.2	26.6	5.9		86.2	14.9		17.8	
							Middle	1st	27.4	8.2	26.3	5.9		85.6	15.4		17.6	
							Middle	2nd	27.4	8.2	26.7	5.9		85.9	15.3		18.0	
							Bottom	1st	27.4	8.1	26.4	5.8	5.9	85.6	15.8		34.7	
							Bottom	2nd	27.4	8.2	26.7	5.9		86.0	15.8		32.9	
2018-10-10	Mid-Flood	CS(Mf)5	Cloudy	Moderate	6:45	11.1	Surface	1st	27.5	7.9	28.4	5.7	5.7	83.9	8.0	10.4	9.6	9.7
							Surface	2nd	27.4	8.1	28.3	5.7		84.6	8.1		10.6	
							Middle	1st	27.4	7.9	28.6	5.6		82.5	11.5		9.9	
							Middle	2nd	27.4	8.1	28.5	5.6		83.0	11.7		9.4	
							Bottom	1st	27.4	8.0	29.1	5.5	5.5	81.5	11.3		9.6	
							Bottom	2nd	27.4	8.1	29.0	5.5		82.3	11.5		9.0	
2018-10-10	Mid-Flood	SR7	Fine	Calm	7:03	4.5	Surface	1st	27.5	8.1	25.9	5.8	5.8	85.3	15.9	16.2	16.7	15.7
							Surface	2nd	27.5	8.2	26.3	5.8		85.1	15.9		16.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.5	8.1	26.2	5.8	5.8	85.7	16.5		14.2	
							Bottom	2nd	27.5	8.2	26.6	5.8		85.4	16.5		15.0	
2018-10-10	Mid-Flood	IS17	Cloudy	Moderate	7:03	8.4	Surface	1st	27.4	7.9	28.2	5.8	5.8	85.3	8.9	12.2	9.9	9.3
							Surface	2nd	27.4	8.1	28.2	5.8		86.1	9.0		10.0	
							Middle	1st	27.4	7.9	28.3	5.7		85.0	12.5		9.9	
							Middle	2nd	27.4	8.1	28.2	5.8		86.0	12.6		8.8	
							Bottom	1st	27.4	7.9	28.4	5.8	5.8	85.2	14.9		8.4	
							Bottom	2nd	27.4	8.1	28.3	5.8		86.4	15.1		8.6	
2018-10-10	Mid-Flood	IS(Mf)16	Cloudy	Moderate	7:09	5.5	Surface	1st	27.4	7.9	28.3	5.7	5.8	84.7	11.1	12.2	8.4	8.1
							Surface	2nd	27.3	8.1	28.2	5.8		85.5	11.2		8.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	7.9	28.4	5.7	5.8	84.9	13.2		8.4	
							Bottom	2nd	27.3	8.1	28.3	5.8		86.0	13.4		7.2	
2018-10-10	Mid-Flood	IS8	Cloudy	Calm	7:31	4.0	Surface	1st	27.3	7.9	28.6	5.6	5.7	83.1	14.2	17.5	10.6	10.3
							Surface	2nd	27.3	8.1	28.5	5.7		84.1	14.4		10.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	7.9	28.6	5.7	5.7	83.6	20.7		10.6	
							Bottom	2nd	27.2	8.1	28.5	5.7		84.8	20.8		9.8	
2018-10-10	Mid-Flood	SR4(N)	Cloudy	Calm	7:24	3.1	Surface	1st	27.3	7.9	28.5	5.7	5.8	84.1	17.3	16.4	11.0	11.2
							Surface	2nd	27.2	8.1	28.4	5.8		85.0	17.4		11.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	7.9	28.5	5.8	5.8	84.9	15.4		10.8	
							Bottom	2nd	27.2	8.1	28.4	5.8		86.1	15.6		11.9	
2018-10-10	Mid-Flood	IS(Mf)9	Cloudy	Calm	7:37	3.1	Surface	1st	27.3	7.9	28.6	5.7	5.8	84.3	10.7	11.0	12.1	11.3
							Surface	2nd	27.3	8.1	28.5	5.8		85.1	10.8		12.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.3	7.9	28.6	5.7	5.8	84.5	11.1		9.8	
							Bottom	2nd	27.3	8.1	28.5	5.8		85.6	11.3		10.9	
2018-10-10	Mid-Flood	IS7	Cloudy	Calm	7:48	2.6	Surface	1st	-	-	-	-	5.8	-	-	9.8	-	11.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.2	7.9	28.8	5.8		85.2	9.7		11.1	
							Middle	2nd	27.1	8.1	28.7	5.8		86.1	9.9		11.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-10	Mid-Flood	IS(Mf)6	Cloudy	Calm	7:55	2.3	Surface	1st	-	-	-	-	5.9	-	-	11.6	-	10.6
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	27.1	7.9	28.8	5.8		86.2	11.5		10.8	
							Middle	2nd	27.1	8.1	28.7	5.9		86.8	11.6		10.3	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-10	Mid-Flood	IS5	Cloudy	Calm	8:01	8.7	Surface	1st	27.1	7.9	28.8	5.7	5.8	84.3	8.2	9.0	10.6	10.2
							Surface	2nd	27.1	8.1	28.7	5.8		85.1	8.3		9.2	
							Middle	1st	27.1	7.9	28.8	5.7		84.6	9.1		9.5	
							Middle	2nd	27.1	8.1	28.8	5.8		85.3	9.2		10.6	
							Bottom	1st	27.1	7.9	28.8	5.7	5.8	84.8	9.4		10.7	
							Bottom	2nd	27.1	8.1	28.8	5.8		85.6	9.5		10.8	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-10	Mid-Flood	SR3(N)	Cloudy	Calm	8:07	3.4	Surface	1st	27.2	7.9	28.8	5.7	5.8	84.6	8.8	9.6	8.9	8.7
							Surface	2nd	27.2	8.1	28.7	5.8		85.5	8.9		9.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.2	7.9	28.8	5.8	5.9	85.7	10.3		8.5	
							Bottom	2nd	27.2	8.1	28.7	5.9		86.9	10.4		8.3	
2018-10-12	Mid-Ebb	SR10A(N)	Cloudy	Moderate	15:24	14.2	Surface	1st	26.7	8.2	29.1	6.0	5.8	87.4	4.3	8.5	6.4	5.9
							Surface	2nd	26.7	8.2	29.0	6.0		87.6	4.3		6.1	
							Middle	1st	27.0	8.1	30.2	5.5		81.6	7.6		6.4	
							Middle	2nd	27.0	8.2	30.1	5.5		81.9	7.6		5.9	
							Bottom	1st	26.9	8.1	30.5	5.5	5.5	81.9	13.6		5.4	
							Bottom	2nd	26.9	8.2	30.4	5.5		82.1	13.6		5.3	
2018-10-12	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	15:18	6.9	Surface	1st	26.7	8.2	29.0	5.9	5.8	87.1	4.2	5.4	9.2	6.9
							Surface	2nd	26.7	8.2	29.0	5.9		87.2	4.2		9.1	
							Middle	1st	26.9	8.1	29.9	5.6		83.1	5.1		5.8	
							Middle	2nd	26.9	8.2	29.8	5.6		83.2	5.1		5.5	
							Bottom	1st	27.0	8.1	30.2	5.5	5.5	81.9	6.8		5.2	
							Bottom	2nd	27.0	8.2	30.1	5.5		82.0	6.8		6.6	
2018-10-12	Mid-Ebb	CSA	Cloudy	Moderate	14:47	33.2	Surface	1st	26.7	8.1	29.4	5.8	5.6	84.8	4.9	4.9	6.0	6.1
							Surface	2nd	26.7	8.0	29.3	5.8		85.3	4.9		6.0	
							Middle	1st	26.9	8.1	30.6	5.4		80.6	4.6		5.6	
							Middle	2nd	26.9	8.0	30.6	5.5		81.0	5.0		6.2	
							Bottom	1st	26.9	8.1	30.6	5.4	5.4	80.6	5.1		6.1	
							Bottom	2nd	26.9	8.0	30.6	5.4		81.0	4.8		6.8	
2018-10-12	Mid-Ebb	CS6	Cloudy	Moderate	14:39	9.6	Surface	1st	26.8	8.1	29.5	5.7	5.7	84.3	5.3	5.0	7.0	6.4
							Surface	2nd	26.8	8.0	29.4	5.8		84.8	5.3		6.9	
							Middle	1st	26.9	8.1	29.9	5.6		83.2	4.9		6.6	
							Middle	2nd	26.9	8.0	29.7	5.7		83.7	5.1		6.2	
							Bottom	1st	26.9	8.1	30.3	5.6	5.7	83.4	5.0		5.8	
							Bottom	2nd	26.9	8.0	30.2	5.7		84.2	4.6		5.8	
2018-10-12	Mid-Ebb	CS4	Cloudy	Moderate	13:45	17.9	Surface	1st	26.5	8.1	28.7	5.9	5.7	86.6	8.4	10.2	7.4	8.3
							Surface	2nd	26.5	8.0	28.6	5.9		86.8	8.4		7.5	
							Middle	1st	26.7	8.1	29.3	5.5		81.4	10.8		8.7	
							Middle	2nd	26.7	8.0	29.2	5.6		81.8	10.2		8.8	
							Bottom	1st	26.8	8.1	29.6	5.6	5.6	82.4	11.5		8.1	
							Bottom	2nd	26.8	8.0	29.5	5.6		82.9	11.7		9.3	
2018-10-12	Mid-Ebb	SR6	Cloudy	Moderate	13:20	4.4	Surface	1st	26.4	8.1	30.4	6.1	6.1	90.1	13.9	16.6	10.0	11.8
							Surface	2nd	26.4	8.1	30.4	6.1		90.4	13.4		12.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.1	30.6	6.1	6.1	90.1	19.5		12.4	
							Bottom	2nd	26.5	8.1	30.5	6.1		90.5	19.7		12.3	
2018-10-12	Mid-Ebb	CS(Mf)3(N)	Cloudy	Moderate	13:33	7.4	Surface	1st	26.5	8.1	28.6	6.0	6.1	87.9	8.4	12.2	7.0	7.8
							Surface	2nd	26.5	8.0	28.5	6.1		88.4	8.6		6.4	
							Middle	1st	26.4	8.1	29.0	6.1		88.7	10.1		7.9	
							Middle	2nd	26.4	8.0	28.9	6.1		89.3	10.5		6.5	
							Bottom	1st	26.4	8.1	29.5	6.1	6.1	88.9	18.0		9.9	
							Bottom	2nd	26.4	8.0	29.4	6.1		89.5	17.8		8.9	
2018-10-12	Mid-Ebb	SR5(N)	Cloudy	Moderate	14:04	9.5	Surface	1st	26.5	8.1	28.7	5.9	5.9	85.9	7.4	9.1	5.9	6.9
							Surface	2nd	26.5	8.0	28.6	5.9		86.4	7.6		6.8	
							Middle	1st	26.6	8.1	28.9	5.8		84.4	8.1		7.7	
							Middle	2nd	26.6	8.0	28.8	5.8		84.5	8.8		6.4	
							Bottom	1st	26.7	8.1	29.2	5.7	5.8	84.3	11.5		7.2	
							Bottom	2nd	26.7	8.0	29.1	5.8		84.9	11.2		7.1	
2018-10-12	Mid-Ebb	IS10(N)	Cloudy	Moderate	14:09	12.4	Surface	1st	26.5	8.1	28.6	5.9	5.8	85.5	8.0	12.0	6.3	7.3
							Surface	2nd	26.5	8.0	28.5	5.9		85.8	8.0		6.3	
							Middle	1st	26.6	8.1	29.0	5.6		82.0	11.5		7.9	
							Middle	2nd	26.6	8.0	29.0	5.6		81.7	11.9		7.8	
							Bottom	1st	26.7	8.1	29.2	5.6	5.6	81.6	16.2		8.2	
							Bottom	2nd	26.7	8.0	29.1	5.6		82.2	16.3		7.0	
2018-10-12	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	14:15	11.6	Surface	1st	26.4	8.1	28.5	6.0	5.9	86.8	6.5	12.2	8.2	8.0
							Surface	2nd	26.5	8.0	28.5	6.0		87.4	6.8		9.0	
							Middle	1st	26.5	8.1	28.8	5.7		83.6	12.8		8.2	
							Middle	2nd	26.5	8.0	28.7	5.8		84.1	12.3		7.3	
							Bottom	1st	26.5	8.1	28.8	5.7	5.8	83.8	17.4		7.2	
							Bottom	2nd	26.5	8.0	28.8	5.8		84.3	17.6		8.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-12	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	14:47	12.2	Surface	1st	26.8	8.2	29.3	5.9	5.8	86.5	4.4	6.1	7.0	6.1
							Surface	2nd	26.8	8.2	29.2	5.9		86.7	4.4		6.9	
							Middle	1st	26.9	8.1	30.1	5.6		82.3	6.5		4.5	
							Middle	2nd	26.9	8.1	30.1	5.6		82.8	6.5		4.1	
							Bottom	1st	26.9	8.1	30.4	5.6	5.6	83.0	7.3		6.6	
							Bottom	2nd	26.9	8.1	30.4	5.6		83.6	7.3		7.5	
2018-10-12	Mid-Ebb	SR7	Cloudy	Moderate	14:22	4.5	Surface	1st	26.6	8.1	28.9	5.8	5.8	84.4	8.0	8.5	8.2	8.3
							Surface	2nd	26.6	8.0	28.8	5.8		85.0	7.9		7.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	28.9	5.8	5.8	84.5	8.9		9.2	
							Bottom	2nd	26.6	8.0	28.8	5.8		85.1	9.0		8.0	
2018-10-12	Mid-Ebb	IS17	Cloudy	Moderate	14:31	11.0	Surface	1st	26.7	8.1	29.3	5.8	5.8	84.6	10.7	11.0	13.2	12.0
							Surface	2nd	26.7	8.2	29.2	5.8		84.8	10.7		12.3	
							Middle	1st	26.7	8.1	29.2	5.7		84.5	11.1		14.0	
							Middle	2nd	26.7	8.2	29.2	5.8		85.0	11.1		12.6	
							Bottom	1st	26.8	8.1	29.4	5.8	5.8	85.3	11.3		10.9	
							Bottom	2nd	26.8	8.2	29.3	5.8		85.9	11.3		9.2	
2018-10-12	Mid-Ebb	IS(Mf)16	Cloudy	Moderate	14:24	5.8	Surface	1st	26.5	8.1	28.5	5.9	6.0	86.7	12.2	10.2	15.9	16.2
							Surface	2nd	26.5	8.2	28.5	6.0		87.1	12.2		16.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.7	8.1	29.1	5.9	5.9	86.8	8.1		17.3	
							Bottom	2nd	26.7	8.2	29.0	5.9		87.1	8.1		15.5	
2018-10-12	Mid-Ebb	IS8	Cloudy	Moderate	14:01	4.4	Surface	1st	26.5	8.1	28.3	6.0	6.0	87.7	11.3	11.4	12.8	12.6
							Surface	2nd	26.5	8.2	28.3	6.0		88.1	11.3		13.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	28.6	6.0	6.0	88.1	11.5		12.1	
							Bottom	2nd	26.6	8.2	28.6	6.0		88.4	11.5		12.3	
2018-10-12	Mid-Ebb	SR4(N)	Cloudy	Moderate	14:07	4.0	Surface	1st	26.6	8.1	28.2	5.9	6.0	86.6	9.2	9.4	10.2	12.5
							Surface	2nd	26.6	8.2	28.1	6.0		87.0	9.2		10.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	28.5	6.1	6.1	88.6	9.5		15.6	
							Bottom	2nd	26.6	8.1	28.5	6.1		89.1	9.5		14.2	
2018-10-12	Mid-Ebb	IS(Mf)9	Cloudy	Moderate	13:52	4.0	Surface	1st	26.7	8.1	28.4	6.1	6.1	88.8	5.9	6.0	10.4	11.6
							Surface	2nd	26.7	8.2	28.4	6.1		89.2	5.9		9.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	28.6	6.0	6.0	87.4	6.0		14.1	
							Bottom	2nd	26.6	8.1	28.6	6.0		88.0	6.0		12.9	
2018-10-12	Mid-Ebb	IS7	Cloudy	Moderate	13:45	3.4	Surface	1st	26.8	8.1	28.3	6.1	6.1	89.2	5.5	5.6	8.7	10.2
							Surface	2nd	26.8	8.2	28.3	6.1		89.4	5.5		8.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.8	8.1	28.3	6.2	6.2	90.2	5.6		12.3	
							Bottom	2nd	26.8	8.1	28.3	6.2		90.7	5.6		11.2	
2018-10-12	Mid-Ebb	IS(Mf)6	Cloudy	Moderate	13:37	3.2	Surface	1st	26.4	8.1	28.7	5.9	5.9	86.2	8.5	8.8	7.8	9.4
							Surface	2nd	26.4	8.1	28.6	5.9		86.6	8.5		8.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.1	28.7	6.0	6.0	87.7	9.0		10.7	
							Bottom	2nd	26.4	8.1	28.7	6.0		88.1	9.0		10.4	
2018-10-12	Mid-Ebb	IS5	Cloudy	Moderate	13:30	9.8	Surface	1st	26.4	8.1	28.9	6.0	6.0	87.3	7.4	9.1	13.4	11.5
							Surface	2nd	26.4	8.1	28.8	6.0		87.6	7.4		13.8	
							Middle	1st	26.4	8.1	28.9	6.0		87.1	9.9		12.4	
							Middle	2nd	26.4	8.1	28.9	6.0		87.5	9.9		10.8	
							Bottom	1st	26.4	8.1	29.0	6.0	6.0	87.7	9.9		8.9	
							Bottom	2nd	26.4	8.1	29.0	6.0		88.2	9.9		9.8	
2018-10-12	Mid-Ebb	SR3(N)	Cloudy	Moderate	13:21	4.0	Surface	1st	26.5	8.1	28.6	6.0	6.0	87.4	5.6	7.0	10.0	10.4
							Surface	2nd	26.5	8.1	28.6	6.0		87.9	5.6		11.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.1	28.7	5.9	6.0	86.8	8.4		10.7	
							Bottom	2nd	26.4	8.1	28.7	6.0		87.9	8.4		9.3	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-12	Mid-Flood	SR10A(N)	Cloudy	Moderate	7:44	12.6	Surface	1st	26.8	8.1	27.9	5.8	5.8	84.2	7.6	9.2	8.0	8.1
							Surface	2nd	26.8	8.1	27.5	5.8		84.3	7.9		7.3	
							Middle	1st	26.8	8.1	28.0	5.7		83.6	9.1		7.1	
							Middle	2nd	26.9	8.1	27.6	5.7		83.6	9.5		7.4	
							Bottom	1st	26.9	8.1	28.1	5.8	5.8	84.3	10.3		9.6	
							Bottom	2nd	26.9	8.1	27.8	5.8		84.4	10.6		8.9	
2018-10-12	Mid-Flood	SR10B(N2)	Cloudy	Moderate	7:52	6.7	Surface	1st	26.9	8.2	28.8	5.6	5.7	82.9	13.3	13.4	9.7	7.9
							Surface	2nd	26.9	8.2	28.4	5.7		83.0	13.5		9.3	
							Middle	1st	26.9	8.2	28.8	5.7		83.3	13.1		7.2	
							Middle	2nd	26.9	8.2	28.4	5.7		83.8	13.1		7.1	
							Bottom	1st	26.9	8.2	28.8	5.7	5.8	84.6	13.7		7.4	
							Bottom	2nd	26.9	8.1	28.4	5.8		85.1	13.6		6.5	
2018-10-12	Mid-Flood	CSA	Cloudy	Moderate	8:04	32.8	Surface	1st	26.6	8.0	28.9	5.7	5.6	83.8	8.0	7.8	8.6	9.2
							Surface	2nd	26.6	8.1	28.8	5.8		84.4	7.9		9.5	
							Middle	1st	26.8	8.0	29.5	5.5		81.2	7.8		9.0	
							Middle	2nd	26.8	8.1	29.5	5.5		81.8	7.8		8.5	
							Bottom	1st	26.8	8.0	29.8	5.5	5.5	80.7	7.8		9.6	
							Bottom	2nd	26.8	8.1	29.7	5.5		81.3	7.4		9.8	
2018-10-12	Mid-Flood	CS6	Cloudy	Moderate	8:20	9.6	Surface	1st	26.7	8.0	28.9	5.7	5.7	83.0	8.0	7.8	9.9	8.7
							Surface	2nd	26.7	8.1	28.8	5.7		83.6	7.7		8.2	
							Middle	1st	26.7	8.0	29.0	5.6		82.8	8.3		8.7	
							Middle	2nd	26.7	8.1	28.9	5.7		83.3	7.7		7.4	
							Bottom	1st	26.8	8.0	29.2	5.6	5.7	82.3	7.5		9.4	
							Bottom	2nd	26.8	8.1	29.1	5.7		83.3	7.4		8.5	
2018-10-12	Mid-Flood	CS4	Cloudy	Moderate	9:16	17.5	Surface	1st	26.6	8.1	28.6	5.8	5.7	84.5	8.1	16.4	8.5	7.6
							Surface	2nd	26.6	8.0	28.5	5.8		85.0	8.1		8.1	
							Middle	1st	26.6	8.1	29.1	5.6		82.3	17.0		8.2	
							Middle	2nd	26.6	8.0	29.0	5.6		82.8	17.1		7.1	
							Bottom	1st	26.7	8.1	29.4	5.6	5.6	82.2	24.1		6.3	
							Bottom	2nd	26.7	8.0	29.3	5.6		82.7	24.0		7.5	
2018-10-12	Mid-Flood	SR6	Cloudy	Moderate	9:47	4.6	Surface	1st	26.3	8.2	28.9	6.0	6.1	87.6	10.2	11.7	20.7	23.0
							Surface	2nd	26.3	8.1	28.9	6.1		88.2	10.1		21.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.1	28.9	6.0	6.1	87.8	13.2		24.6	
							Bottom	2nd	26.2	8.1	28.9	6.1		88.5	13.4		25.6	
2018-10-12	Mid-Flood	CS(Mf)3(N)	Cloudy	Moderate	9:29	7.3	Surface	1st	26.4	8.1	27.8	5.9	5.9	85.3	16.2	15.4	13.1	16.4
							Surface	2nd	26.4	8.0	27.7	5.9		85.9	16.3		13.2	
							Middle	1st	26.4	8.1	27.8	5.9		85.4	15.2		17.8	
							Middle	2nd	26.4	8.0	27.7	5.9		86.0	15.4		18.8	
							Bottom	1st	26.4	8.1	27.9	5.9	6.0	85.9	14.5		16.9	
							Bottom	2nd	26.4	8.0	27.8	6.0		86.4	14.9		18.8	
2018-10-12	Mid-Flood	SR5(N)	Cloudy	Moderate	8:59	9.4	Surface	1st	26.4	8.1	28.9	5.8	5.8	84.9	14.2	15.9	8.2	11.1
							Surface	2nd	26.4	8.1	28.8	5.9		85.5	14.8		9.9	
							Middle	1st	26.4	8.1	28.9	5.8		84.8	15.9		9.8	
							Middle	2nd	26.4	8.1	28.9	5.8		85.4	15.4		8.9	
							Bottom	1st	26.4	8.1	28.9	5.8	5.9	85.2	17.7		15.1	
							Bottom	2nd	26.4	8.1	28.9	5.9		85.6	17.3		14.5	
2018-10-12	Mid-Flood	IS10(N)	Cloudy	Moderate	8:52	12.7	Surface	1st	26.4	8.1	28.6	5.8	5.8	84.1	12.8	16.2	19.0	17.3
							Surface	2nd	26.4	8.1	28.6	5.8		84.6	12.5		18.2	
							Middle	1st	26.4	8.1	28.8	5.8		84.3	16.2		17.8	
							Middle	2nd	26.4	8.1	28.7	5.8		84.9	16.6		16.8	
							Bottom	1st	26.4	8.1	28.8	5.8	5.8	84.3	19.3		16.5	
							Bottom	2nd	26.4	8.0	28.7	5.8		84.8	19.5		15.2	
2018-10-12	Mid-Flood	IS(Mf)11	Cloudy	Moderate	8:47	11.3	Surface	1st	26.4	8.1	28.6	5.7	5.7	83.2	12.6	12.9	12.9	10.9
							Surface	2nd	26.5	8.0	28.5	5.7		83.7	12.8		13.1	
							Middle	1st	26.5	8.1	28.6	5.7		82.6	11.1		10.6	
							Middle	2nd	26.5	8.0	28.5	5.7		83.2	11.8		9.6	
							Bottom	1st	26.5	8.1	28.6	5.7	5.7	82.6	14.1		9.5	
							Bottom	2nd	26.5	8.0	28.6	5.7		83.2	14.9		9.8	
2018-10-12	Mid-Flood	CS(Mf)5	Cloudy	Moderate	8:19	12.5	Surface	1st	26.6	8.2	27.3	5.9	5.9	85.4	7.4	11.3	12.1	12.9
							Surface	2nd	26.6	8.1	26.9	5.9		85.5	7.2		12.4	
							Middle	1st	26.7	8.2	27.4	5.8		83.7	10.0		13.6	
							Middle	2nd	26.7	8.1	27.0	5.8		83.8	10.4		12.9	
							Bottom	1st	27.0	8.1	28.3	5.6	5.6	82.5	16.3		13.7	
							Bottom	2nd	27.0	8.1	27.9	5.6		82.8	16.6		12.5	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-12	Mid-Flood	SR7	Cloudy	Moderate	8:41	4.4	Surface	1st	26.3	8.1	28.8	5.9	5.9	85.8	11.1	13.2	19.5	19.3
							Surface	2nd	26.3	8.2	28.7	5.9		86.4	11.1		20.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.1	28.8	5.9	5.9	85.8	15.3		19.5	
							Bottom	2nd	26.3	8.2	28.7	5.9		86.4	15.4		17.4	
2018-10-12	Mid-Flood	IS17	Cloudy	Moderate	8:38	11.6	Surface	1st	26.4	8.2	26.9	6.1	6.1	88.3	7.3	7.9	11.2	10.2
							Surface	2nd	26.4	8.2	26.5	6.1		88.4	7.1		12.0	
							Middle	1st	26.4	8.2	27.0	6.1		88.4	8.0		10.0	
							Middle	2nd	26.4	8.1	26.6	6.1		88.5	8.3		11.6	
							Bottom	1st	26.4	8.2	27.1	6.3	6.3	90.7	8.3		7.3	
							Bottom	2nd	26.4	8.1	26.7	6.3		91.1	8.2		8.8	
2018-10-12	Mid-Flood	IS(Mf)16	Cloudy	Moderate	8:46	5.9	Surface	1st	26.5	8.2	27.0	5.9	6.0	86.1	12.3	15.4	10.3	15.5
							Surface	2nd	26.5	8.2	26.6	6.0		86.5	12.5		10.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	27.0	6.0	6.0	86.7	18.4		19.5	
							Bottom	2nd	26.5	8.2	26.6	6.0		87.1	18.5		21.9	
2018-10-12	Mid-Flood	IS8	Cloudy	Moderate	9:12	4.4	Surface	1st	26.4	8.2	26.8	5.9	6.0	85.5	9.4	11.1	9.0	8.6
							Surface	2nd	26.4	8.2	26.4	6.0		85.9	9.6		7.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	26.9	6.0	6.0	86.3	12.7		8.5	
							Bottom	2nd	26.5	8.2	26.6	6.0		86.8	12.6		9.4	
2018-10-12	Mid-Flood	SR4(N)	Cloudy	Moderate	9:05	4.2	Surface	1st	26.5	8.2	26.8	5.9	5.9	85.1	8.4	12.0	10.4	9.8
							Surface	2nd	26.5	8.2	26.4	5.9		85.5	8.1		9.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	27.0	6.0	6.0	86.1	15.7		9.6	
							Bottom	2nd	26.5	8.2	26.6	6.0		86.4	15.7		9.3	
2018-10-12	Mid-Flood	IS(Mf)9	Cloudy	Moderate	9:21	4.0	Surface	1st	26.5	8.1	26.8	5.9	6.0	85.8	9.9	10.4	11.1	12.1
							Surface	2nd	26.5	8.2	26.4	6.0		86.3	9.2		12.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	27.0	6.0	6.0	86.5	11.0		12.5	
							Bottom	2nd	26.6	8.2	26.6	6.0		87.3	11.4		12.3	
2018-10-12	Mid-Flood	IS7	Cloudy	Moderate	9:29	3.2	Surface	1st	26.3	8.1	26.8	6.0	6.1	86.5	8.2	8.9	11.9	11.2
							Surface	2nd	26.3	8.2	26.4	6.1		86.9	8.3		10.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.1	26.8	6.1	6.1	87.5	9.6		11.4	
							Bottom	2nd	26.3	8.1	26.4	6.1		88.2	9.3		11.0	
2018-10-12	Mid-Flood	IS(Mf)6	Cloudy	Moderate	9:37	2.9	Surface	1st	-	-	-	-	6.1	-	-	7.5	-	11.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.3	8.1	26.7	6.1		87.6	7.4		12.0	
							Middle	2nd	26.3	8.2	26.3	6.1		88.2	7.6		11.8	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-12	Mid-Flood	IS5	Cloudy	Moderate	9:45	8.8	Surface	1st	26.3	8.1	26.8	5.9	6.0	85.5	7.6	8.5	15.4	13.3
							Surface	2nd	26.3	8.2	26.4	6.0		85.9	7.7		17.8	
							Middle	1st	26.3	8.1	26.8	6.0		85.7	8.1		11.3	
							Middle	2nd	26.3	8.1	26.4	6.0		86.0	8.3		12.2	
							Bottom	1st	26.2	8.1	26.9	6.0	6.1	87.0	9.7		11.0	
							Bottom	2nd	26.2	8.1	26.5	6.1		87.2	9.6		12.1	
2018-10-12	Mid-Flood	SR3(N)	Cloudy	Moderate	9:52	3.8	Surface	1st	26.3	8.1	27.0	6.0	6.0	86.2	7.3	8.4	13.6	13.0
							Surface	2nd	26.3	8.2	26.6	6.0		86.6	7.4		13.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.1	27.0	6.0	6.0	86.3	9.2		13.0	
							Bottom	2nd	26.3	8.1	26.6	6.0		86.9	9.6		12.3	
2018-10-15	Mid-Ebb	SR10A(N)	Cloudy	Moderate	17:37	12.4	Surface	1st	26.6	8.0	30.4	5.7	5.7	83.6	3.5	3.5	3.6	4.3
							Surface	2nd	26.6	8.0	30.4	5.7		84.1	3.4		4.5	
							Middle	1st	26.6	8.0	30.5	5.6		83.4	3.5		4.3	
							Middle	2nd	26.6	8.0	30.5	5.7		83.8	3.6		5.1	
							Bottom	1st	26.6	8.0	30.6	5.7	5.7	84.2	3.2		4.1	
							Bottom	2nd	26.6	8.0	30.5	5.7		84.7	3.7		4.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-15	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	17:33	6.2	Surface	1st	26.6	8.0	30.7	5.6	5.7	83.3	3.5	3.7	2.9	3.7
							Surface	2nd	26.6	8.0	30.6	5.7		83.7	3.9		3.7	
							Middle	1st	26.6	8.0	30.7	5.7		83.8	3.6		4.6	
							Middle	2nd	26.6	8.0	30.6	5.7		84.1	3.9		3.3	
							Bottom	1st	26.5	8.0	30.8	5.8	5.8	85.1	3.4		3.7	
							Bottom	2nd	26.5	8.0	30.7	5.8		85.2	3.8		3.7	
2018-10-15	Mid-Ebb	CSA	Fine	Calm	17:16	35.0	Surface	1st	26.8	8.2	29.8	5.9	5.8	87.0	1.9	2.5	2.3	2.7
							Surface	2nd	26.8	8.1	29.9	5.9		87.2	1.9		3.4	
							Middle	1st	26.7	8.2	30.6	5.6		83.0	2.6		3.7	
							Middle	2nd	26.7	8.1	30.7	5.6		83.7	2.6		2.0	
							Bottom	1st	26.7	8.2	30.6	5.6	5.7	83.4	2.9		2.4	
							Bottom	2nd	26.7	8.1	30.7	5.7		83.9	2.9		2.1	
2018-10-15	Mid-Ebb	CS6	Fine	Calm	17:07	10.5	Surface	1st	26.8	8.2	29.3	6.2	6.1	90.7	2.2	2.6	2.3	3.4
							Surface	2nd	26.8	8.1	29.4	6.3		93.5	2.2		3.4	
							Middle	1st	26.7	8.2	29.4	5.9		86.5	3.2		2.9	
							Middle	2nd	26.7	8.1	29.5	6.1		89.2	3.2		3.7	
							Bottom	1st	26.7	8.2	30.2	6.1	6.2	90.4	2.5		4.1	
							Bottom	2nd	26.7	8.1	30.3	6.3		93.4	2.3		3.8	
2018-10-15	Mid-Ebb	CS4	Fine	Calm	16:11	16.5	Surface	1st	26.9	8.1	25.9	6.2	6.1	89.4	2.9	3.6	3.6	4.1
							Surface	2nd	26.9	8.1	26.0	6.2		89.7	2.8		3.4	
							Middle	1st	26.6	8.2	29.1	5.9		86.1	3.4		3.2	
							Middle	2nd	26.6	8.1	29.2	5.9		86.7	3.5		4.1	
							Bottom	1st	26.6	8.2	29.8	5.7	5.7	84.0	4.4		5.2	
							Bottom	2nd	26.6	8.1	29.9	5.7		84.6	4.5		5.3	
2018-10-15	Mid-Ebb	SR6	Fine	Calm	15:41	4.4	Surface	1st	27.1	8.2	25.5	6.7	6.7	96.6	3.8	4.0	6.3	4.5
							Surface	2nd	27.1	8.1	25.7	6.7		97.2	3.7		5.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	27.1	8.2	27.6	6.6	6.6	96.4	4.2		3.2	
							Bottom	2nd	27.1	8.1	27.7	6.6		96.9	4.2		2.8	
2018-10-15	Mid-Ebb	CS(Mf)3(N)	Fine	Calm	15:57	7.4	Surface	1st	26.7	8.1	26.2	6.3	6.3	91.2	4.2	5.4	3.6	3.2
							Surface	2nd	26.7	8.1	26.3	6.3		91.8	4.2		2.6	
							Middle	1st	26.7	8.2	28.1	6.2		90.9	5.3		3.3	
							Middle	2nd	26.7	8.1	28.1	6.3		91.5	5.3		3.7	
							Bottom	1st	26.6	8.2	28.6	6.3	6.3	91.8	6.7		3.2	
							Bottom	2nd	26.6	8.1	28.7	6.3		92.3	6.6		2.9	
2018-10-15	Mid-Ebb	SR5(N)	Fine	Calm	16:30	9.4	Surface	1st	26.7	8.2	28.3	6.3	6.2	92.7	4.5	6.1	6.6	5.2
							Surface	2nd	26.8	8.1	28.4	6.3		93.0	4.5		6.5	
							Middle	1st	26.5	8.2	29.0	6.1		88.8	6.4		5.5	
							Middle	2nd	26.5	8.1	29.1	6.1		89.6	6.4		5.3	
							Bottom	1st	26.6	8.2	29.5	6.2	6.3	91.6	7.5		4.0	
							Bottom	2nd	26.6	8.1	29.6	6.3		92.5	7.5		3.5	
2018-10-15	Mid-Ebb	IS10(N)	Fine	Calm	16:37	12.6	Surface	1st	26.6	8.2	28.3	6.2	6.1	90.7	4.3	7.2	4.5	3.6
							Surface	2nd	26.6	8.2	28.4	6.2		91.0	4.3		4.2	
							Middle	1st	26.5	8.2	29.3	5.9		86.2	8.1		4.1	
							Middle	2nd	26.5	8.2	29.4	5.9		87.0	8.1		3.0	
							Bottom	1st	26.5	8.2	29.5	5.9	5.9	86.6	9.1		2.4	
							Bottom	2nd	26.5	8.2	29.6	5.9		87.2	9.1		3.2	
2018-10-15	Mid-Ebb	IS(Mf)11	Fine	Calm	16:42	11.2	Surface	1st	26.5	8.2	28.9	6.2	6.2	90.9	4.2	5.2	3.6	3.1
							Surface	2nd	26.5	8.2	29.1	6.3		92.0	4.2		2.9	
							Middle	1st	26.4	8.2	29.1	6.1		88.7	5.1		3.3	
							Middle	2nd	26.4	8.2	29.2	6.3		92.2	5.3		2.5	
							Bottom	1st	26.4	8.2	29.2	6.2	6.4	90.9	6.1		3.7	
							Bottom	2nd	26.4	8.2	29.3	6.5		94.7	6.1		2.7	
2018-10-15	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	17:01	12.0	Surface	1st	26.4	8.0	29.6	5.8	5.7	85.6	4.7	4.4	4.8	5.8
							Surface	2nd	26.4	8.0	29.5	5.9		86.0	4.5		5.8	
							Middle	1st	26.5	8.0	30.3	5.5		81.7	4.0		4.9	
							Middle	2nd	26.5	8.0	30.2	5.6		82.2	4.0		5.5	
							Bottom	1st	26.5	8.0	30.4	5.5	5.5	81.0	4.7		6.6	
							Bottom	2nd	26.5	8.0	30.3	5.5		81.5	4.6		7.4	
2018-10-15	Mid-Ebb	SR7	Fine	Calm	16:49	4.5	Surface	1st	26.5	8.2	29.1	6.3	6.4	91.5	3.4	3.5	4.4	4.5
							Surface	2nd	26.5	8.2	29.2	6.5		94.7	3.4		5.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.2	29.1	6.4	6.6	94.0	3.7		4.1	
							Bottom	2nd	26.4	8.2	29.1	6.7		97.5	3.6		4.3	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-15	Mid-Ebb	IS17	Cloudy	Moderate	16:42	10.1	Surface	1st	26.4	8.0	29.1	6.1	6.0	89.1	4.4	5.6	5.5	6.7
							Surface	2nd	26.4	8.0	29.0	6.1		89.6	4.5		5.5	
							Middle	1st	26.3	8.0	29.2	5.9		86.0	6.0		7.8	
							Middle	2nd	26.3	8.0	29.1	5.9		86.5	5.6		7.5	
							Bottom	1st	26.3	8.0	29.3	5.9	5.9	85.4	6.9		7.0	
							Bottom	2nd	26.3	8.0	29.2	5.9		85.9	6.2		6.8	
2018-10-15	Mid-Ebb	IS(Mf)16	Cloudy	Moderate	16:35	5.9	Surface	1st	26.6	8.0	28.9	6.3	6.4	92.6	7.7	7.4	3.0	4.1
							Surface	2nd	26.6	8.0	28.9	6.4		93.1	7.0		3.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.7	8.0	28.9	6.1	6.1	89.7	7.8		5.3	
							Bottom	2nd	26.8	8.0	28.8	6.1		90.3	7.1		4.5	
2018-10-15	Mid-Ebb	IS8	Cloudy	Calm	16:15	4.2	Surface	1st	26.5	8.0	29.2	6.3	6.3	92.3	8.4	10.2	12.0	11.4
							Surface	2nd	26.5	8.0	29.1	6.3		92.8	9.0		12.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.0	29.2	6.3	6.3	92.6	11.5		11.2	
							Bottom	2nd	26.5	8.0	29.1	6.3		92.9	11.9		10.2	
2018-10-15	Mid-Ebb	SR4(N)	Cloudy	Calm	16:21	4.4	Surface	1st	26.6	8.0	29.1	6.3	6.4	92.6	4.4	5.5	7.5	7.8
							Surface	2nd	26.6	8.0	29.0	6.4		93.1	4.6		6.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.0	29.3	6.2	6.2	90.5	6.7		8.1	
							Bottom	2nd	26.5	8.0	29.2	6.2		90.9	6.1		8.8	
2018-10-15	Mid-Ebb	IS(Mf)9	Cloudy	Calm	16:08	3.7	Surface	1st	26.5	8.0	29.5	6.3	6.3	92.0	10.8	11.6	12.5	8.5
							Surface	2nd	26.5	8.0	29.4	6.3		92.3	10.4		10.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.0	29.5	6.2	6.3	91.0	12.8		5.5	
							Bottom	2nd	26.5	8.0	29.4	6.3		91.7	12.4		5.6	
2018-10-15	Mid-Ebb	IS7	Cloudy	Calm	16:01	2.9	Surface	1st	-	-	-	-	6.3	-	-	11.5	-	6.1
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.5	8.0	29.5	6.3		91.8	11.6		6.7	
							Middle	2nd	26.5	8.0	29.4	6.3		92.0	11.4		5.4	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-15	Mid-Ebb	IS(Mf)6	Cloudy	Calm	15:53	2.6	Surface	1st	-	-	-	-	6.2	-	-	5.8	-	6.7
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.6	8.0	29.5	6.2		91.0	6.2		7.0	
							Middle	2nd	26.6	8.0	29.4	6.2		91.3	5.4		6.3	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-15	Mid-Ebb	IS5	Cloudy	Calm	15:47	8.7	Surface	1st	26.6	8.0	29.4	6.2	6.2	90.9	4.8	5.5	6.9	6.1
							Surface	2nd	26.6	8.0	29.3	6.2		91.3	4.8		6.5	
							Middle	1st	26.5	8.0	29.5	6.1		89.6	5.8		5.8	
							Middle	2nd	26.5	8.0	29.4	6.1		90.0	5.4		6.2	
							Bottom	1st	26.4	8.0	29.5	6.1	6.1	89.3	6.4		5.3	
							Bottom	2nd	26.4	8.0	29.4	6.1		89.7	5.7		5.6	
2018-10-15	Mid-Ebb	SR3(N)	Cloudy	Calm	15:42	3.5	Surface	1st	26.7	8.0	29.5	6.4	6.4	93.5	5.6	5.8	4.5	4.8
							Surface	2nd	26.7	8.0	29.4	6.4		93.9	5.6		5.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.0	29.4	6.2	6.3	91.5	5.9		4.3	
							Bottom	2nd	26.6	8.0	29.4	6.3		91.8	5.9		4.8	
2018-10-15	Mid-Flood	SR10A(N)	Cloudy	Moderate	11:10	11.7	Surface	1st	26.5	7.9	30.0	5.7	5.7	84.4	4.6	5.2	3.7	3.8
							Surface	2nd	26.5	8.0	29.9	5.8		84.8	4.5		3.8	
							Middle	1st	26.5	7.9	30.2	5.7		83.4	5.5		4.3	
							Middle	2nd	26.5	8.0	30.1	5.7		83.9	5.2		3.1	
							Bottom	1st	26.5	7.9	30.3	5.7	5.7	84.0	6.1		3.9	
							Bottom	2nd	26.5	8.0	30.2	5.7		84.3	5.5		4.2	
2018-10-15	Mid-Flood	SR10B(N2)	Cloudy	Moderate	11:19	5.9	Surface	1st	26.6	7.9	30.8	5.6	5.6	82.7	5.4	5.4	4.8	4.5
							Surface	2nd	26.6	8.0	30.7	5.6		83.2	5.3		4.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	7.9	30.8	5.7	5.7	84.3	5.2		4.0	
							Bottom	2nd	26.6	8.0	30.7	5.7		84.8	5.5		5.1	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-15	Mid-Flood	CSA	Fine	Calm	11:22	35.0	Surface	1st	26.7	8.2	29.4	6.0	5.9	87.8	3.7	3.2	4.8	4.1
							Surface	2nd	26.7	8.1	29.2	6.0		87.5	3.9		4.0	
							Middle	1st	26.6	8.2	29.8	5.8		85.6	2.8		3.8	
							Middle	2nd	26.6	8.1	29.5	5.8		85.2	2.9		3.7	
							Bottom	1st	26.6	8.2	29.9	5.9	5.9	86.3	3.0		3.8	
							Bottom	2nd	26.5	8.1	29.7	5.9		86.3	3.0		4.3	
2018-10-15	Mid-Flood	CS6	Fine	Calm	11:34	10.4	Surface	1st	26.7	8.1	29.2	6.0	6.0	88.7	4.4	6.3	3.9	4.1
							Surface	2nd	26.6	8.1	29.0	6.0		87.9	4.4		3.0	
							Middle	1st	26.6	8.1	29.3	6.0		87.9	6.9		4.1	
							Middle	2nd	26.6	8.1	29.1	5.9		86.9	6.9		3.2	
							Bottom	1st	26.6	8.1	29.7	6.0	6.0	87.9	7.5		5.5	
							Bottom	2nd	26.6	8.1	29.5	5.9		87.1	7.6		4.9	
2018-10-15	Mid-Flood	CS4	Fine	Calm	12:30	16.5	Surface	1st	26.8	8.1	28.0	6.1	6.0	89.8	4.0	7.2	3.4	5.9
							Surface	2nd	26.8	8.1	27.8	6.1		89.2	4.0		3.4	
							Middle	1st	26.5	8.1	29.2	5.9		86.5	4.3		6.1	
							Middle	2nd	26.5	8.2	29.0	5.9		86.0	5.3		5.6	
							Bottom	1st	26.7	8.1	30.0	5.7	5.7	83.9	12.7		8.3	
							Bottom	2nd	26.7	8.1	29.9	5.7		83.4	12.9		8.3	
2018-10-15	Mid-Flood	SR6	Fine	Calm	13:02	4.4	Surface	1st	27.0	8.1	25.9	6.4	6.4	92.6	4.6	7.0	3.5	3.4
							Surface	2nd	27.0	8.1	25.7	6.4		92.2	4.6		2.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	28.6	6.3	6.3	91.3	9.3		4.6	
							Bottom	2nd	26.5	8.2	28.4	6.2		90.9	9.4		3.2	
2018-10-15	Mid-Flood	CS(Mf)3(N)	Fine	Calm	12:43	7.3	Surface	1st	27.1	8.1	26.1	6.4	6.3	92.8	3.6	6.8	5.9	4.3
							Surface	2nd	27.1	8.1	26.0	6.3		91.8	3.7		5.6	
							Middle	1st	26.9	8.1	26.8	6.3		92.0	6.3		3.7	
							Middle	2nd	26.9	8.1	26.6	6.2		90.7	6.4		3.5	
							Bottom	1st	26.7	8.1	27.7	6.3	6.3	91.1	10.3		4.1	
							Bottom	2nd	26.7	8.1	27.6	6.2		89.8	10.5		3.2	
2018-10-15	Mid-Flood	SR5(N)	Fine	Calm	12:12	9.5	Surface	1st	26.5	8.1	29.3	6.1	6.1	89.9	9.7	10.6	3.5	4.3
							Surface	2nd	26.5	8.2	29.1	6.1		88.9	9.7		4.8	
							Middle	1st	26.5	8.1	29.3	6.1		89.5	10.8		5.2	
							Middle	2nd	26.5	8.2	29.1	6.1		88.8	10.8		4.5	
							Bottom	1st	26.5	8.1	29.3	6.1	6.1	89.9	11.2		3.4	
							Bottom	2nd	26.5	8.2	29.1	6.1		89.0	11.1		4.4	
2018-10-15	Mid-Flood	IS10(N)	Fine	Calm	12:06	12.5	Surface	1st	26.4	8.2	29.0	6.1	6.1	89.7	7.5	11.4	3.8	4.4
							Surface	2nd	26.4	8.2	28.8	6.1		89.2	7.6		3.0	
							Middle	1st	26.4	8.2	29.4	6.0		88.2	12.1		5.2	
							Middle	2nd	26.4	8.2	29.2	6.0		87.6	12.2		4.9	
							Bottom	1st	26.4	8.2	29.5	6.0	6.0	88.1	14.3		4.6	
							Bottom	2nd	26.4	8.2	29.3	6.0		87.1	14.4		5.0	
2018-10-15	Mid-Flood	IS(Mf)11	Fine	Calm	12:01	11.2	Surface	1st	26.4	8.1	28.8	6.3	6.3	91.9	5.2	9.0	4.5	5.2
							Surface	2nd	26.4	8.2	28.6	6.3		91.4	5.1		4.1	
							Middle	1st	26.3	8.1	29.0	6.2		90.8	9.0		4.0	
							Middle	2nd	26.3	8.2	28.8	6.2		90.2	9.0		4.6	
							Bottom	1st	26.3	8.1	29.1	6.2	6.2	91.2	12.8		6.7	
							Bottom	2nd	26.3	8.2	29.0	6.2		90.7	12.9		7.2	
2018-10-15	Mid-Flood	CS(Mf)5	Cloudy	Moderate	11:47	11.7	Surface	1st	26.3	8.0	29.4	5.8	5.7	85.2	4.6	6.9	3.0	3.3
							Surface	2nd	26.3	8.0	29.3	5.9		85.7	4.6		4.0	
							Middle	1st	26.4	8.0	29.9	5.6		82.3	6.1		3.9	
							Middle	2nd	26.4	8.0	29.8	5.6		82.5	6.1		3.9	
							Bottom	1st	26.5	8.0	30.1	5.6	5.6	81.8	10.3		2.4	
							Bottom	2nd	26.5	8.0	30.0	5.6		82.3	9.5		2.7	
2018-10-15	Mid-Flood	SR7	Fine	Calm	11:54	4.3	Surface	1st	26.6	8.1	28.8	6.3	6.3	92.5	4.4	5.0	4.9	4.8
							Surface	2nd	26.6	8.2	28.6	6.3		91.6	4.4		4.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.1	29.0	6.5	6.5	95.3	5.6		4.3	
							Bottom	2nd	26.5	8.2	28.8	6.4		94.1	5.7		5.5	
2018-10-15	Mid-Flood	IS17	Cloudy	Moderate	12:05	9.9	Surface	1st	26.4	8.0	28.9	6.2	6.2	90.5	3.9	6.4	2.6	2.9
							Surface	2nd	26.4	8.0	28.8	6.2		91.1	4.0		3.2	
							Middle	1st	26.3	8.0	29.1	6.1		88.5	7.5		3.0	
							Middle	2nd	26.3	8.0	29.0	6.1		89.0	6.8		2.2	
							Bottom	1st	26.3	8.0	29.2	6.2	6.2	89.9	8.5		3.3	
							Bottom	2nd	26.3	8.0	29.0	6.2		90.2	7.4		3.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-15	Mid-Flood	IS(Mf)16	Cloudy	Moderate	12:13	5.7	Surface	1st	26.4	8.0	28.8	6.3	6.4	92.4	5.1	5.3	4.2	4.4
							Surface	2nd	26.4	8.0	28.7	6.4		93.0	4.9		4.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.0	29.0	6.2	6.3	91.1	5.7		4.1	
							Bottom	2nd	26.4	8.0	28.9	6.3		91.6	5.3		4.9	
2018-10-15	Mid-Flood	IS8	Cloudy	Calm	12:40	3.8	Surface	1st	26.5	8.0	29.0	6.2	6.2	90.8	7.1	9.3	5.0	4.4
							Surface	2nd	26.5	8.0	28.9	6.2		90.8	6.4		4.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.0	29.3	6.1	6.1	89.7	12.2		4.0	
							Bottom	2nd	26.5	8.0	29.2	6.1		90.0	11.4		4.1	
2018-10-15	Mid-Flood	SR4(N)	Cloudy	Calm	12:34	4.0	Surface	1st	26.4	8.0	29.2	6.1	6.1	88.7	6.0	5.9	4.6	4.5
							Surface	2nd	26.4	8.0	29.1	6.1		89.2	5.4		4.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.0	29.3	6.0	6.1	88.5	6.5		4.5	
							Bottom	2nd	26.4	8.0	29.2	6.1		89.0	5.8		4.2	
2018-10-15	Mid-Flood	IS(Mf)9	Cloudy	Calm	12:47	3.5	Surface	1st	26.3	8.0	29.5	6.1	6.2	89.4	9.2	11.0	4.8	4.8
							Surface	2nd	26.3	8.0	29.4	6.2		89.9	9.4		4.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.0	29.5	6.1	6.2	89.4	12.7		5.0	
							Bottom	2nd	26.3	8.0	29.4	6.2		90.0	12.5		4.7	
2018-10-15	Mid-Flood	IS7	Cloudy	Calm	12:54	2.8	Surface	1st	-	-	-	-	6.4	-	-	7.7	-	5.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.4	8.0	29.6	6.4		93.1	8.3		5.1	
							Middle	2nd	26.4	8.0	29.5	6.4		93.6	7.1		5.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-15	Mid-Flood	IS(Mf)6	Cloudy	Calm	13:06	2.5	Surface	1st	-	-	-	-	6.3	-	-	7.7	-	5.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.4	8.0	29.5	6.3		92.2	8.0		5.1	
							Middle	2nd	26.5	8.0	29.3	6.3		92.6	7.4		5.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-15	Mid-Flood	IS5	Cloudy	Calm	13:13	8.8	Surface	1st	26.5	8.0	29.5	6.1	6.1	89.5	5.6	6.0	4.8	5.9
							Surface	2nd	26.5	8.0	29.4	6.2		90.1	5.0		5.2	
							Middle	1st	26.4	8.0	29.5	6.1		88.7	6.0		4.7	
							Middle	2nd	26.4	8.0	29.4	6.1		89.2	5.8		5.6	
							Bottom	1st	26.3	8.0	29.6	6.0	6.1	88.3	7.0		7.8	
							Bottom	2nd	26.3	8.0	29.5	6.1		88.8	6.4		7.0	
2018-10-15	Mid-Flood	SR3(N)	Cloudy	Calm	13:22	3.3	Surface	1st	26.6	8.0	29.4	6.3	6.3	92.1	5.5	5.4	7.3	7.3
							Surface	2nd	26.6	8.0	29.3	6.3		92.6	5.3		7.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.0	29.5	6.2	6.2	90.6	5.5		7.3	
							Bottom	2nd	26.4	8.0	29.4	6.2		91.0	5.3		6.8	
2018-10-17	Mid-Ebb	SR10A(N)	Fine	Calm	5:52	12.0	Surface	1st	26.0	7.9	29.1	6.0	6.0	87.0	2.2	2.6	3.2	3.0
							Surface	2nd	26.1	8.0	29.1	6.0		87.5	2.7		2.6	
							Middle	1st	26.1	7.9	29.4	5.9		86.6	2.4		2.9	
							Middle	2nd	26.1	8.0	29.4	6.0		87.1	2.8		2.5	
							Bottom	1st	26.2	7.9	29.5	5.9	6.0	86.6	2.4		3.3	
							Bottom	2nd	26.1	8.0	29.5	6.0		87.3	2.8		3.4	
2018-10-17	Mid-Ebb	SR10B(N2)	Fine	Moderate	6:00	7.0	Surface	1st	26.2	7.9	29.8	5.8	5.8	84.5	2.2	2.4	4.6	3.9
							Surface	2nd	26.2	8.0	29.8	5.8		85.0	2.3		4.1	
							Middle	1st	26.3	7.9	30.1	5.7		84.2	2.4		3.5	
							Middle	2nd	26.3	8.0	30.0	5.8		84.7	2.6		3.9	
							Bottom	1st	26.3	7.9	30.0	5.8	5.8	84.7	2.4		3.5	
							Bottom	2nd	26.3	8.0	30.0	5.8		85.2	2.7		3.9	
2018-10-17	Mid-Ebb	CSA	Cloudy	Moderate	6:17	31.8	Surface	1st	26.3	8.1	27.2	6.1	6.1	88.7	6.6	6.5	3.0	2.6
							Surface	2nd	26.3	8.0	27.2	6.2		89.1	6.4		2.7	
							Middle	1st	26.5	8.1	29.0	6.0		87.2	6.4		2.7	
							Middle	2nd	26.5	8.0	29.0	6.0		87.6	6.3		2.3	
							Bottom	1st	26.5	8.1	29.4	5.9	6.0	87.1	6.6		2.4	
							Bottom	2nd	26.5	8.0	29.4	6.0		87.5	6.5		2.5	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-17	Mid-Ebb	CS6	Cloudy	Moderate	6:31	8.9	Surface	1st	26.3	8.1	27.2	6.1	6.1	88.2	6.5	6.5	3.8	3.7
							Surface	2nd	26.4	8.1	27.3	6.1		88.5	6.4		3.5	
							Middle	1st	26.5	8.1	29.0	6.0		87.2	6.4		2.7	
							Middle	2nd	26.5	8.1	29.0	6.0		87.5	6.4		3.3	
							Bottom	1st	26.5	8.1	29.5	5.9	6.0	86.7	6.5		4.5	
							Bottom	2nd	26.5	8.1	29.5	6.0		87.3	6.5		4.6	
2018-10-17	Mid-Ebb	CS4	Cloudy	Moderate	7:29	17.5	Surface	1st	26.3	8.1	25.9	6.3	6.2	89.5	6.6	7.9	5.6	3.9
							Surface	2nd	26.3	8.1	25.9	6.3		90.0	6.6		5.0	
							Middle	1st	26.4	8.1	26.4	6.1		87.4	7.8		3.2	
							Middle	2nd	26.5	8.2	26.4	6.1		87.7	7.3		3.4	
							Bottom	1st	26.5	8.2	30.1	5.8	5.8	85.8	9.6		2.9	
							Bottom	2nd	26.5	8.2	30.1	5.8		85.9	9.5		3.2	
2018-10-17	Mid-Ebb	SR6	Cloudy	Moderate	7:55	4.6	Surface	1st	26.0	8.1	24.3	6.3	6.4	89.5	6.4	9.1	2.5	3.6
							Surface	2nd	26.0	8.1	24.2	6.4		90.2	6.6		2.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	30.0	6.0	6.0	88.0	11.7		4.8	
							Bottom	2nd	26.5	8.2	30.0	6.0		88.6	11.7		4.0	
2018-10-17	Mid-Ebb	CS(Mf)3(N)	Cloudy	Moderate	7:38	7.2	Surface	1st	26.3	8.1	25.9	6.2	6.1	89.1	6.1	7.4	2.6	2.5
							Surface	2nd	26.3	8.2	25.9	6.3		89.5	6.6		2.7	
							Middle	1st	26.5	8.1	27.5	6.0		87.1	7.3		2.4	
							Middle	2nd	26.5	8.2	27.5	6.0		87.5	7.7		2.3	
							Bottom	1st	26.5	8.2	28.7	6.0	6.0	87.1	8.7		2.1	
							Bottom	2nd	26.5	8.2	28.6	6.0		87.5	8.1		2.7	
2018-10-17	Mid-Ebb	SR5(N)	Cloudy	Moderate	7:11	9.2	Surface	1st	26.2	8.1	25.4	6.2	6.0	88.2	7.8	8.3	4.8	3.7
							Surface	2nd	26.3	8.2	25.4	6.2		88.7	7.3		3.7	
							Middle	1st	26.5	8.1	28.1	5.7		82.5	8.5		3.8	
							Middle	2nd	26.5	8.2	28.1	5.7		82.9	8.7		3.3	
							Bottom	1st	26.6	8.1	30.0	5.6	5.6	81.8	8.6		3.4	
							Bottom	2nd	26.6	8.2	30.0	5.6		82.2	8.8		3.4	
2018-10-17	Mid-Ebb	IS10(N)	Cloudy	Moderate	7:05	12.3	Surface	1st	26.3	8.1	25.4	6.1	5.9	87.3	7.2	8.4	2.8	2.7
							Surface	2nd	26.3	8.1	25.3	6.1		87.5	7.5		2.8	
							Middle	1st	26.5	8.1	28.3	5.7		82.8	9.2		2.0	
							Middle	2nd	26.5	8.1	28.3	5.7		83.1	9.0		2.2	
							Bottom	1st	26.6	8.1	30.0	5.5	5.5	80.9	8.8		3.2	
							Bottom	2nd	26.6	8.1	30.0	5.5		81.4	8.4		3.3	
2018-10-17	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	6:57	11.3	Surface	1st	26.2	8.1	24.9	6.3	6.2	88.9	6.9	7.6	2.9	3.5
							Surface	2nd	26.2	8.0	24.9	6.3		89.4	6.6		3.5	
							Middle	1st	26.4	8.1	26.0	6.0		86.2	7.9		3.8	
							Middle	2nd	26.5	8.1	26.0	6.0		86.8	7.5		2.8	
							Bottom	1st	26.5	8.1	28.3	5.9	5.9	85.4	8.3		3.9	
							Bottom	2nd	26.5	8.1	28.3	5.9		86.0	8.1		4.3	
2018-10-17	Mid-Ebb	CS(Mf)5	Fine	Moderate	6:35	12.3	Surface	1st	26.3	8.0	26.2	5.9	5.7	85.0	2.6	3.1	1.6	3.6
							Surface	2nd	26.3	8.0	26.1	6.0		85.5	3.2		2.0	
							Middle	1st	26.5	8.0	30.6	5.4		79.6	3.0		4.2	
							Middle	2nd	26.5	8.0	30.5	5.4		80.3	3.2		4.1	
							Bottom	1st	26.5	8.0	30.7	5.4	5.5	80.1	3.1		4.2	
							Bottom	2nd	26.4	8.0	30.6	5.5		80.9	3.3		5.4	
2018-10-17	Mid-Ebb	SR7	Cloudy	Moderate	6:49	4.2	Surface	1st	26.2	8.1	25.0	6.3	6.3	89.1	6.2	6.9	3.3	3.6
							Surface	2nd	26.2	8.0	24.9	6.3		89.6	6.7		3.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.1	26.1	6.2	6.2	89.0	7.4		3.9	
							Bottom	2nd	26.5	8.0	26.1	6.2		89.5	7.2		3.7	
2018-10-17	Mid-Ebb	IS17	Fine	Moderate	6:59	9.1	Surface	1st	26.3	8.0	25.3	5.9	5.8	84.7	4.0	4.1	4.5	4.5
							Surface	2nd	26.3	8.0	26.6	5.9		85.1	3.9		4.3	
							Middle	1st	26.3	8.0	28.5	5.7		82.3	4.5		4.0	
							Middle	2nd	26.3	8.0	28.5	5.7		82.7	4.1		4.5	
							Bottom	1st	26.4	8.0	29.3	5.5	5.6	80.7	4.0		5.0	
							Bottom	2nd	26.4	8.0	29.2	5.6		81.2	3.8		4.5	
2018-10-17	Mid-Ebb	IS(Mf)16	Fine	Calm	7:05	5.6	Surface	1st	25.9	8.0	27.3	6.1	6.1	86.8	3.1	3.9	2.6	2.0
							Surface	2nd	25.9	8.0	27.3	6.1		87.4	3.4		2.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	8.0	28.4	5.9	6.0	86.0	4.7		1.9	
							Bottom	2nd	26.1	8.0	28.3	6.0		86.8	4.5		0.8	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-17	Mid-Ebb	IS8	Fine	Calm	7:20	4.0	Surface	1st	26.1	8.0	26.6	5.8	5.9	83.4	4.0	4.3	4.3	3.7
							Surface	2nd	26.1	8.0	26.5	5.9		83.9	4.1		4.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.0	28.7	5.7	5.8	83.2	4.3		3.3	
							Bottom	2nd	26.2	8.0	28.6	5.8		83.8	4.9		2.5	
2018-10-17	Mid-Ebb	SR4(N)	Fine	Calm	7:16	3.2	Surface	1st	25.8	8.0	26.3	5.7	5.7	80.5	3.9	4.8	4.4	4.6
							Surface	2nd	25.8	7.9	25.9	5.7		81.2	3.7		4.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	8.0	27.7	5.5	5.5	79.0	6.2		4.2	
							Bottom	2nd	26.1	7.9	27.6	5.5		79.6	5.2		5.3	
2018-10-17	Mid-Ebb	IS(Mf)9	Fine	Calm	7:27	3.2	Surface	1st	26.0	8.0	27.8	5.9	6.0	85.2	4.3	4.8	3.5	4.0
							Surface	2nd	26.0	8.0	27.8	6.0		85.9	3.8		4.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	8.0	28.2	5.9	5.9	85.2	6.0		4.3	
							Bottom	2nd	26.2	7.9	28.1	5.9		85.9	5.2		3.5	
2018-10-17	Mid-Ebb	IS7	Fine	Calm	7:36	2.6	Surface	1st	-	-	-	-	6.0	-	-	3.1	-	4.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.9	8.0	28.1	6.0		86.5	3.2		4.9	
							Middle	2nd	25.9	8.0	28.1	6.0		86.9	3.0		3.4	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-17	Mid-Ebb	IS(Mf)6	Fine	Calm	7:42	2.3	Surface	1st	-	-	-	-	6.1	-	-	4.6	-	1.7
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.0	8.0	27.8	6.0		86.7	4.9		1.4	
							Middle	2nd	26.0	8.0	27.7	6.1		87.3	4.3		1.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-17	Mid-Ebb	IS5	Fine	Calm	7:49	8.4	Surface	1st	26.3	8.0	27.9	5.7	5.7	83.2	4.3	5.6	4.4	4.1
							Surface	2nd	26.3	8.0	27.8	5.8		83.6	4.4		4.2	
							Middle	1st	26.4	8.0	30.1	5.6		82.7	6.3		3.3	
							Middle	2nd	26.4	8.0	30.0	5.7		83.2	5.7		4.2	
							Bottom	1st	26.4	8.0	30.3	5.6	5.7	82.8	6.8		3.9	
							Bottom	2nd	26.4	8.0	30.2	5.7		83.4	6.0		4.6	
2018-10-17	Mid-Ebb	SR3(N)	Fine	Calm	7:56	3.5	Surface	1st	26.2	8.0	27.8	5.8	5.8	83.5	7.0	6.9	3.5	3.9
							Surface	2nd	26.2	7.9	27.7	5.8		84.2	5.9		2.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	7.9	28.0	5.9	5.9	84.7	8.1		4.4	
							Bottom	2nd	26.2	7.9	27.7	5.9		85.3	6.7		5.1	
2018-10-17	Mid-Flood	SR10A(N)	Fine	Moderate	19:07	12.7	Surface	1st	26.5	8.1	31.2	5.5	5.6	82.1	2.7	3.4	5.9	5.6
							Surface	2nd	26.5	8.0	31.2	5.6		82.7	3.3		5.5	
							Middle	1st	26.6	8.1	31.6	5.6		82.6	3.4		5.5	
							Middle	2nd	26.6	8.0	31.5	5.6		83.2	3.8		5.3	
							Bottom	1st	26.6	8.1	31.6	5.6	5.6	82.9	3.5		5.9	
							Bottom	2nd	26.6	8.0	31.5	5.6		83.6	3.8		5.2	
2018-10-17	Mid-Flood	SR10B(N2)	Fine	Moderate	19:03	7.1	Surface	1st	26.4	8.1	31.2	5.8	5.8	85.3	2.7	3.5	6.1	5.5
							Surface	2nd	26.4	8.0	31.1	5.8		85.8	3.0		5.7	
							Middle	1st	26.4	8.1	31.4	5.8		85.6	3.7		5.0	
							Middle	2nd	26.4	8.0	31.4	5.8		86.2	3.9		5.3	
							Bottom	1st	26.4	8.1	31.4	5.8	5.9	86.4	3.7		5.9	
							Bottom	2nd	26.4	8.0	31.4	5.9		87.2	4.2		5.0	
2018-10-17	Mid-Flood	CSA	Cloudy	Moderate	19:11	33.2	Surface	1st	26.5	8.2	31.0	5.7	5.7	84.4	6.8	8.1	6.0	4.8
							Surface	2nd	26.5	8.2	31.0	5.7		84.8	6.6		6.5	
							Middle	1st	26.7	8.2	31.7	5.6		82.8	8.4		3.6	
							Middle	2nd	26.7	8.2	31.7	5.6		83.2	8.2		3.8	
							Bottom	1st	26.7	8.2	31.8	5.5	5.5	82.4	9.2		4.8	
							Bottom	2nd	26.7	8.2	31.8	5.5		82.7	9.1		4.0	
2018-10-17	Mid-Flood	CS6	Cloudy	Moderate	19:02	9.2	Surface	1st	26.3	8.2	29.4	6.0	5.9	86.9	6.5	7.1	9.0	7.3
							Surface	2nd	26.4	8.2	29.3	6.0		87.3	6.0		9.3	
							Middle	1st	26.6	8.2	31.1	5.7		84.1	6.6		5.3	
							Middle	2nd	26.6	8.2	31.1	5.7		84.2	7.0		5.6	
							Bottom	1st	26.6	8.2	31.5	5.6	5.6	83.8	8.0		6.7	
							Bottom	2nd	26.7	8.2	31.5	5.6		84.0	8.4		7.6	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-17	Mid-Flood	CS4	Cloudy	Moderate	18:01	17.8	Surface	1st	26.2	8.2	27.5	6.1	5.9	88.2	5.7	7.1	3.3	3.4
							Surface	2nd	26.3	8.2	27.5	6.1		88.1	6.0		2.5	
							Middle	1st	26.6	8.1	29.2	5.7		83.0	6.3		3.3	
							Middle	2nd	26.6	8.1	29.2	5.7		83.3	6.7		3.9	
							Bottom	1st	26.7	8.1	30.7	5.5	5.5	81.3	9.0		3.8	
							Bottom	2nd	26.7	8.1	30.7	5.5		81.8	9.1		3.7	
2018-10-17	Mid-Flood	SR6	Cloudy	Moderate	17:32	4.2	Surface	1st	26.1	8.1	25.8	6.4	6.4	90.8	9.4	13.5	5.5	5.9
							Surface	2nd	26.2	8.1	25.9	6.4		90.9	9.1		5.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.2	30.9	6.1	6.1	90.7	17.7		6.2	
							Bottom	2nd	26.6	8.2	31.2	6.1		91.1	17.6		6.4	
2018-10-17	Mid-Flood	CS(Mf)3(N)	Cloudy	Moderate	17:51	7.4	Surface	1st	26.3	8.1	26.4	6.3	6.2	90.7	7.4	12.2	7.6	5.5
							Surface	2nd	26.4	8.1	26.4	6.4		91.4	7.7		7.7	
							Middle	1st	26.4	8.2	27.0	6.1		88.5	10.2		3.6	
							Middle	2nd	26.5	8.2	27.1	6.1		88.8	10.9		4.6	
							Bottom	1st	26.4	8.1	28.1	6.0	6.0	86.7	18.0		4.4	
							Bottom	2nd	26.5	8.1	28.1	6.0		86.9	19.0		4.9	
2018-10-17	Mid-Flood	SR5(N)	Cloudy	Moderate	18:23	9.2	Surface	1st	26.3	8.1	27.6	6.0	5.9	87.2	7.4	7.8	2.8	4.6
							Surface	2nd	26.3	8.1	27.6	6.0		87.3	7.0		3.7	
							Middle	1st	26.5	8.1	29.1	5.7		83.0	7.5		4.3	
							Middle	2nd	26.6	8.1	29.2	5.7		83.6	7.7		5.3	
							Bottom	1st	26.6	8.1	29.7	5.7	5.7	83.7	8.1		6.5	
							Bottom	2nd	26.6	8.1	29.7	5.7		84.3	8.8		5.0	
2018-10-17	Mid-Flood	IS10(N)	Cloudy	Moderate	18:29	12.6	Surface	1st	26.3	8.1	27.6	6.0	5.8	86.0	7.6	8.8	6.5	4.3
							Surface	2nd	26.3	8.1	27.6	6.0		86.8	7.6		6.4	
							Middle	1st	26.6	8.1	29.9	5.5		80.4	9.2		3.7	
							Middle	2nd	26.6	8.1	29.9	5.5		80.7	9.9		2.7	
							Bottom	1st	26.6	8.1	30.2	5.6	5.6	82.9	9.2		2.9	
							Bottom	2nd	26.6	8.1	30.1	5.6		83.3	9.1		3.4	
2018-10-17	Mid-Flood	IS(Mf)11	Cloudy	Moderate	18:35	11.8	Surface	1st	26.1	8.2	27.1	6.0	5.7	86.2	7.2	9.5	4.5	5.4
							Surface	2nd	26.2	8.2	27.1	6.0		86.0	7.1		4.4	
							Middle	1st	26.6	8.1	29.6	5.4		79.6	9.3		5.6	
							Middle	2nd	26.6	8.1	29.6	5.4		80.0	9.6		6.0	
							Bottom	1st	26.6	8.1	30.2	5.5	5.5	80.7	11.9		5.4	
							Bottom	2nd	26.6	8.1	30.2	5.5		81.1	11.9		6.2	
2018-10-17	Mid-Flood	CS(Mf)5	Fine	Moderate	18:34	12.5	Surface	1st	26.2	8.1	29.7	5.8	5.7	84.4	1.8	3.8	6.5	6.3
							Surface	2nd	26.2	8.0	29.7	5.8		84.7	1.6		6.1	
							Middle	1st	26.6	8.1	31.4	5.6		83.0	3.6		6.4	
							Middle	2nd	26.6	8.0	31.4	5.6		83.6	3.9		6.5	
							Bottom	1st	26.5	8.1	31.5	5.8	5.8	85.6	6.4		6.2	
							Bottom	2nd	26.5	8.0	31.5	5.8		86.4	5.7		6.0	
2018-10-17	Mid-Flood	SR7	Cloudy	Moderate	18:42	4.3	Surface	1st	26.1	8.2	27.5	6.2	6.2	89.7	5.4	8.0	4.0	4.7
							Surface	2nd	26.2	8.2	27.5	6.2		90.0	5.9		5.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.1	29.1	5.8	5.8	85.1	10.2		4.3	
							Bottom	2nd	26.6	8.1	29.0	5.8		85.5	10.3		5.2	
2018-10-17	Mid-Flood	IS17	Fine	Moderate	18:15	8.9	Surface	1st	26.2	8.0	28.4	5.9	5.8	85.9	1.3	1.5	7.7	5.6
							Surface	2nd	26.2	8.0	28.3	5.9		86.3	1.3		6.7	
							Middle	1st	26.4	8.0	29.4	5.7		84.1	1.6		4.7	
							Middle	2nd	26.4	8.0	29.4	5.8		84.7	1.5		4.9	
							Bottom	1st	26.4	8.0	30.1	5.8	5.9	85.5	1.7		4.8	
							Bottom	2nd	26.4	8.0	30.0	5.9		86.2	1.5		4.8	
2018-10-17	Mid-Flood	IS(Mf)16	Fine	Moderate	18:09	5.8	Surface	1st	26.2	8.0	27.2	6.2	6.2	89.1	5.0	6.6	6.2	6.3
							Surface	2nd	26.2	8.0	27.2	6.2		89.6	4.8		6.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.0	28.0	5.8	5.9	84.1	9.1		6.6	
							Bottom	2nd	26.3	8.0	28.0	5.9		84.8	7.4		6.1	
2018-10-17	Mid-Flood	IS8	Rainy	Moderate	17:57	4.1	Surface	1st	26.2	8.0	27.1	5.9	6.0	84.6	5.7	6.3	6.6	6.2
							Surface	2nd	26.2	7.9	26.4	6.0		85.3	5.2		7.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.0	27.6	5.9	6.0	85.4	7.8		5.0	
							Bottom	2nd	26.3	7.9	27.6	6.0		86.4	6.6		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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-17	Mid-Flood	SR4(N)	Rainy	Moderate	18:01	3.3	Surface	1st	26.0	8.0	26.0	6.6	6.6	93.9	2.6	3.0	5.5	6.2
							Surface	2nd	26.0	8.0	25.9	6.6		94.7	3.2		5.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.0	26.0	6.7	6.7	95.1	2.8		6.4	
							Bottom	2nd	26.0	8.0	25.9	6.7		96.0	3.2		7.6	
2018-10-17	Mid-Flood	IS(Mf)9	Rainy	Moderate	17:51	3.3	Surface	1st	26.2	8.0	27.0	6.2	6.3	89.7	3.9	4.1	7.2	7.2
							Surface	2nd	26.2	8.0	26.9	6.3		90.4	4.0		7.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.0	27.2	6.2	6.3	89.8	4.3		7.3	
							Bottom	2nd	26.2	8.0	27.1	6.3		90.5	4.3		7.1	
2018-10-17	Mid-Flood	IS7	Rainy	Moderate	17:43	2.8	Surface	1st	-	-	-	-	6.8	-	-	2.5	-	8.7
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.9	8.0	26.1	6.7		95.5	2.5		9.2	
							Middle	2nd	25.9	8.0	26.1	6.8		97.6	2.4		8.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-17	Mid-Flood	IS(Mf)6	Rainy	Moderate	17:37	2.5	Surface	1st	-	-	-	-	6.7	-	-	3.7	-	6.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.0	8.0	26.5	6.7		95.3	3.6		5.7	
							Middle	2nd	25.9	8.0	26.5	6.7		96.2	3.7		6.6	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-17	Mid-Flood	IS5	Rainy	Moderate	17:29	8.6	Surface	1st	26.0	7.9	26.8	6.2	6.1	88.5	3.4	4.9	8.1	5.7
							Surface	2nd	26.0	7.9	26.8	6.2		88.9	3.9		7.1	
							Middle	1st	26.1	7.9	27.8	5.9		85.2	4.8		4.6	
							Middle	2nd	26.1	7.9	27.7	5.9		85.5	4.8		4.6	
							Bottom	1st	26.2	7.9	28.5	5.8	5.8	83.4	6.7		5.1	
							Bottom	2nd	26.2	7.9	28.4	5.8		84.0	5.8		4.7	
2018-10-17	Mid-Flood	SR3(N)	Rainy	Moderate	17:24	3.6	Surface	1st	26.0	7.9	27.2	6.1	6.2	88.2	5.8	5.8	4.0	3.7
							Surface	2nd	26.0	7.9	27.2	6.2		88.9	5.6		3.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	7.9	27.3	6.1	6.2	88.1	6.0		4.1	
							Bottom	2nd	25.9	7.9	27.2	6.2		88.8	5.7		3.3	
2018-10-19	Mid-Ebb	SR10A(N)	Cloudy	Moderate	7:50	14.7	Surface	1st	25.9	8.0	29.0	6.3	6.3	91.5	5.3	6.3	7.0	5.9
							Surface	2nd	25.9	8.0	28.9	6.4		92.1	4.9		6.3	
							Middle	1st	26.0	8.0	29.6	6.2		89.9	5.4		4.6	
							Middle	2nd	26.0	8.0	29.5	6.2		90.5	4.7		4.1	
							Bottom	1st	26.0	8.0	30.0	6.1	6.2	89.2	8.7		6.7	
							Bottom	2nd	26.0	8.0	29.9	6.2		89.8	8.9		6.4	
2018-10-19	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	7:56	6.6	Surface	1st	26.0	8.0	29.4	6.2	6.2	90.7	5.3	6.7	6.1	7.5
							Surface	2nd	26.0	8.0	29.3	6.3		91.2	4.5		7.0	
							Middle	1st	26.0	8.0	29.6	6.2		89.9	5.8		6.9	
							Middle	2nd	26.0	8.0	29.5	6.2		90.4	5.0		7.3	
							Bottom	1st	26.0	8.0	29.9	6.1	6.2	89.6	9.8		9.1	
							Bottom	2nd	26.0	8.0	29.8	6.2		90.2	9.8		8.3	
2018-10-19	Mid-Ebb	CSA	Fine	Moderate	8:31	33.2	Surface	1st	26.1	8.2	30.9	5.9	5.8	86.1	5.9	6.2	4.2	3.7
							Surface	2nd	26.0	8.1	30.9	5.8		85.7	6.0		5.4	
							Middle	1st	26.3	8.2	31.4	5.7		84.9	6.2		3.0	
							Middle	2nd	26.2	8.1	31.3	5.7		84.6	6.3		2.5	
							Bottom	1st	26.6	8.2	32.1	5.7	5.7	84.7	6.9		3.3	
							Bottom	2nd	26.5	8.1	32.0	5.7		84.5	5.9		3.7	
2018-10-19	Mid-Ebb	CS6	Fine	Moderate	8:45	8.9	Surface	1st	26.1	8.2	30.9	5.9	5.9	86.4	5.8	5.9	5.8	4.5
							Surface	2nd	26.0	8.1	30.9	5.9		85.9	5.9		5.0	
							Middle	1st	26.1	8.2	31.0	5.9		86.2	5.8		4.2	
							Middle	2nd	26.1	8.1	30.9	5.8		85.6	5.9		5.0	
							Bottom	1st	26.2	8.3	31.4	5.8	5.8	86.2	5.9		3.7	
							Bottom	2nd	26.2	8.2	31.2	5.8		85.8	6.0		3.0	
2018-10-19	Mid-Ebb	CS4	Fine	Moderate	9:45	16.3	Surface	1st	26.2	8.3	30.4	6.2	6.1	90.4	6.5	7.1	3.5	3.2
							Surface	2nd	26.1	8.2	30.4	6.1		89.5	6.7		3.7	
							Middle	1st	26.2	8.3	30.4	6.1		88.9	7.0		2.9	
							Middle	2nd	26.1	8.2	30.4	6.0		88.4	7.1		2.4	
							Bottom	1st	26.3	8.3	30.7	6.1	6.1	89.4	7.6		3.6	
							Bottom	2nd	26.3	8.2	30.7	6.0		88.7	7.9		3.0	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-19	Mid-Ebb	SR6	Fine	Moderate	10:16	4.5	Surface	1st	26.1	8.1	30.8	6.5	6.5	95.4	6.6	7.1	5.0	5.3
							Surface	2nd	26.0	8.2	30.8	6.5		95.0	6.7		5.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.1	31.8	6.5	6.5	95.9	7.2		5.4	
							Bottom	2nd	26.2	8.2	31.9	6.5		95.6	8.0		5.5	
2018-10-19	Mid-Ebb	CS(Mf)3(N)	Fine	Moderate	9:55	7.1	Surface	1st	26.0	8.3	30.0	6.3	6.3	91.8	5.6	6.2	8.1	8.2
							Surface	2nd	26.0	8.2	30.0	6.3		91.8	5.7		7.8	
							Middle	1st	26.0	8.3	30.1	6.2		91.1	6.1		7.8	
							Middle	2nd	26.0	8.2	30.1	6.2		91.1	6.3		8.1	
							Bottom	1st	26.2	8.3	31.1	6.2	6.2	90.9	6.5		8.8	
							Bottom	2nd	26.2	8.2	31.1	6.2		90.9	6.8		8.8	
2018-10-19	Mid-Ebb	SR5(N)	Fine	Moderate	9:23	9.5	Surface	1st	26.2	8.3	30.4	6.2	6.1	90.5	6.9	9.3	5.6	4.5
							Surface	2nd	26.1	8.2	30.4	6.1		89.8	6.9		4.9	
							Middle	1st	26.2	8.3	30.5	6.1		89.0	9.5		3.5	
							Middle	2nd	26.2	8.2	30.5	6.0		88.3	8.8		3.0	
							Bottom	1st	26.3	8.3	30.7	6.1	6.1	89.3	11.9		4.3	
							Bottom	2nd	26.3	8.2	30.7	6.0		88.4	11.7		5.7	
2018-10-19	Mid-Ebb	IS10(N)	Fine	Moderate	9:16	12.4	Surface	1st	26.1	8.3	30.2	6.1	6.1	89.6	7.3	8.0	4.3	7.3
							Surface	2nd	26.0	8.2	30.2	6.1		89.2	6.7		5.7	
							Middle	1st	26.1	8.3	30.2	6.1		89.6	6.6		8.0	
							Middle	2nd	26.0	8.2	30.2	6.1		88.7	7.1		7.9	
							Bottom	1st	26.2	8.3	30.7	6.2	6.2	90.9	10.1		9.2	
							Bottom	2nd	26.2	8.2	30.8	6.1		90.2	10.0		8.9	
2018-10-19	Mid-Ebb	IS(Mf)11	Fine	Moderate	9:10	11.2	Surface	1st	26.0	8.3	30.0	6.2	6.1	89.8	6.7	9.7	5.6	5.2
							Surface	2nd	25.9	8.2	30.0	6.1		89.4	7.0		5.7	
							Middle	1st	26.1	8.3	30.5	6.0		88.5	8.7		4.1	
							Middle	2nd	26.1	8.2	30.4	6.0		88.0	9.1		4.2	
							Bottom	1st	26.2	8.4	30.7	6.1	6.1	89.4	13.0		5.2	
							Bottom	2nd	26.2	8.3	30.7	6.1		89.2	13.7		6.1	
2018-10-19	Mid-Ebb	CS(Mf)5	Fine	Moderate	8:39	13.5	Surface	1st	25.8	8.0	30.3	5.9	5.7	85.4	1.6	2.3	2.0	2.6
							Surface	2nd	25.8	8.0	30.3	5.9		85.9	2.5		1.6	
							Middle	1st	26.3	7.9	31.1	5.5		81.0	1.4		2.6	
							Middle	2nd	26.3	8.0	31.1	5.5		81.4	2.4		1.6	
							Bottom	1st	26.4	7.9	31.7	5.4	5.5	80.6	2.8		3.5	
							Bottom	2nd	26.4	8.0	31.6	5.5		81.3	3.2		4.5	
2018-10-19	Mid-Ebb	SR7	Fine	Moderate	9:03	4.3	Surface	1st	26.1	8.2	30.2	5.9	5.9	86.5	7.3	8.2	3.3	3.6
							Surface	2nd	26.0	8.2	30.2	5.9		85.9	7.5		3.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.1	30.6	5.9	5.9	87.0	8.8		3.8	
							Bottom	2nd	26.3	8.1	30.6	5.9		86.2	9.2		4.1	
2018-10-19	Mid-Ebb	IS17	Fine	Moderate	9:01	9.7	Surface	1st	25.7	8.0	29.3	6.0	5.8	86.6	1.7	2.9	1.9	2.1
							Surface	2nd	25.7	8.0	29.3	6.0		87.2	2.6		2.6	
							Middle	1st	25.9	8.0	29.8	5.6		81.5	2.2		2.0	
							Middle	2nd	26.0	8.0	29.8	5.6		81.9	3.1		1.9	
							Bottom	1st	26.4	8.0	31.1	5.3	5.3	78.1	3.7		2.3	
							Bottom	2nd	26.4	8.0	31.0	5.3		78.7	3.9		1.7	
2018-10-19	Mid-Ebb	IS(Mf)16	Fine	Moderate	9:07	5.6	Surface	1st	25.6	8.0	28.6	6.1	6.1	87.2	3.7	6.6	3.7	2.5
							Surface	2nd	25.6	8.0	28.5	6.1		87.7	3.7		2.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.0	30.9	5.7	5.7	83.9	9.2		1.9	
							Bottom	2nd	26.2	8.0	30.8	5.7		84.5	9.6		2.2	
2018-10-19	Mid-Ebb	IS8	Fine	Moderate	9:30	4.6	Surface	1st	25.6	8.0	28.6	6.1	6.1	87.4	4.5	5.9	3.4	3.0
							Surface	2nd	25.6	8.0	28.6	6.1		88.0	4.5		3.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.0	29.5	5.9	5.9	85.2	7.4		2.9	
							Bottom	2nd	25.9	8.0	29.5	5.9		85.9	7.1		2.6	
2018-10-19	Mid-Ebb	SR4(N)	Fine	Moderate	9:23	4.1	Surface	1st	26.3	8.0	29.4	5.1	5.1	73.9	6.0	5.9	2.5	2.9
							Surface	2nd	26.3	8.0	29.3	5.1		74.3	5.3		2.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.0	30.2	5.1	5.1	74.7	6.5		2.5	
							Bottom	2nd	26.4	8.0	30.1	5.1		75.2	5.8		3.6	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-19	Mid-Ebb	IS(Mf)9	Fine	Moderate	9:37	3.3	Surface	1st	25.5	8.0	28.4	6.2	6.2	88.6	3.5	3.6	1.9	2.1
							Surface	2nd	25.5	8.0	28.3	6.2		89.2	3.6		2.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.5	8.0	28.4	6.1	6.1	87.5	3.7		2.4	
							Bottom	2nd	25.5	8.0	28.3	6.1		87.9	3.6		2.1	
2018-10-19	Mid-Ebb	IS7	Fine	Moderate	9:45	2.7	Surface	1st	-	-	-	-	6.3	-	-	2.4	-	2.7
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.2	8.0	27.9	6.3		89.7	2.1		2.6	
							Middle	2nd	25.2	8.0	27.9	6.3		90.3	2.6		2.8	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-19	Mid-Ebb	IS(Mf)6	Fine	Moderate	9:54	2.5	Surface	1st	-	-	-	-	6.3	-	-	2.7	-	1.4
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.5	8.0	28.2	6.3		90.1	2.6		1.7	
							Middle	2nd	25.5	8.0	28.2	6.3		90.8	2.7		1.0	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-19	Mid-Ebb	IS5	Fine	Moderate	10:00	9.3	Surface	1st	25.6	8.0	27.9	6.2	6.0	88.3	1.6	4.2	1.2	1.5
							Surface	2nd	25.6	8.0	27.9	6.2		88.8	2.5		1.6	
							Middle	1st	26.3	8.1	32.0	5.8		85.8	4.7		1.4	
							Middle	2nd	26.3	8.0	31.9	5.8		86.3	4.8		1.7	
							Bottom	1st	26.3	8.1	32.1	5.8	5.8	85.6	5.9		1.5	
							Bottom	2nd	26.3	8.0	32.0	5.8		86.1	5.7		1.4	
2018-10-19	Mid-Ebb	SR3(N)	Fine	Moderate	10:07	3.6	Surface	1st	25.4	8.0	27.9	6.1	6.1	87.1	4.4	8.2	1.9	1.8
							Surface	2nd	25.4	8.0	27.9	6.1		87.6	4.9		2.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.8	8.0	29.1	5.8	5.9	84.4	11.4		1.4	
							Bottom	2nd	25.8	8.0	28.9	5.9		85.2	11.9		1.6	
2018-10-19	Mid-Flood	SR10A(N)	Fine	Calm	17:26	13.6	Surface	1st	26.3	8.0	31.8	5.6	5.6	83.2	3.3	5.0	5.2	6.8
							Surface	2nd	26.3	8.0	31.7	5.7		83.7	3.5		5.8	
							Middle	1st	26.4	8.0	31.9	5.6		82.5	5.2		7.8	
							Middle	2nd	26.4	8.0	31.8	5.6		83.0	5.8		6.8	
							Bottom	1st	26.4	8.0	31.9	5.6	5.6	82.7	6.1		8.0	
							Bottom	2nd	26.4	8.0	31.8	5.6		83.3	6.2		7.4	
2018-10-19	Mid-Flood	SR10B(N2)	Fine	Calm	17:19	6.8	Surface	1st	26.4	8.0	32.0	5.6	5.7	83.8	4.1	4.4	3.4	3.7
							Surface	2nd	26.4	8.0	31.9	5.7		84.3	4.1		3.7	
							Middle	1st	26.4	8.0	32.0	5.6		83.8	4.3		2.0	
							Middle	2nd	26.4	8.0	31.9	5.7		84.4	4.2		2.0	
							Bottom	1st	26.4	8.0	32.0	5.7	5.7	84.2	5.0		5.2	
							Bottom	2nd	26.4	8.0	31.9	5.7		84.8	4.4		5.7	
2018-10-19	Mid-Flood	CSA	Fine	Moderate	17:00	33.4	Surface	1st	26.3	8.2	30.9	6.0	5.9	88.7	5.4	5.9	4.8	3.3
							Surface	2nd	26.2	8.2	31.0	6.0		88.8	5.0		4.7	
							Middle	1st	26.4	8.1	31.4	5.7		85.1	6.0		1.6	
							Middle	2nd	26.4	8.2	31.4	5.7		84.5	5.6		2.3	
							Bottom	1st	26.6	8.0	31.8	5.7	5.7	84.8	6.9		3.0	
							Bottom	2nd	26.5	8.2	31.9	5.7		84.6	6.6		3.4	
2018-10-19	Mid-Flood	CS6	Fine	Moderate	16:49	8.8	Surface	1st	26.2	8.2	30.7	6.4	6.4	93.8	4.9	4.9	2.3	1.6
							Surface	2nd	26.2	8.2	30.7	6.4		93.9	4.6		2.5	
							Middle	1st	26.3	8.1	30.7	6.3		92.8	5.2		0.8	
							Middle	2nd	26.2	8.2	30.7	6.3		93.0	4.6		1.1	
							Bottom	1st	26.3	8.1	30.8	6.3	6.3	93.0	5.4		1.9	
							Bottom	2nd	26.2	8.2	30.8	6.3		92.8	4.8		1.1	
2018-10-19	Mid-Flood	CS4	Fine	Moderate	15:40	16.5	Surface	1st	26.5	8.2	30.5	6.2	6.1	91.9	5.7	6.8	2.0	1.4
							Surface	2nd	26.5	8.2	30.5	6.2		91.8	5.8		1.6	
							Middle	1st	26.5	8.2	30.6	6.0		88.4	6.3		1.6	
							Middle	2nd	26.4	8.2	30.6	6.0		88.2	6.6		1.5	
							Bottom	1st	26.5	8.2	31.0	5.8	5.8	86.1	8.0		0.7	
							Bottom	2nd	26.4	8.2	31.0	5.8		85.3	8.5		0.9	
2018-10-19	Mid-Flood	SR6	Fine	Moderate	15:11	4.1	Surface	1st	26.1	8.1	28.9	6.4	6.4	92.2	6.3	7.4	1.9	2.1
							Surface	2nd	26.0	8.1	28.9	6.4		92.1	7.2		1.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.1	29.9	6.3	6.3	93.0	7.9		2.0	
							Bottom	2nd	26.2	8.2	30.0	6.3		92.7	8.3		2.5	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-19	Mid-Flood	CS(Mf)3(N)	Fine	Moderate	15:26	7.0	Surface	1st	26.4	8.2	30.4	6.5	6.5	95.8	5.6	6.1	1.5	2.2
							Surface	2nd	26.3	8.2	30.4	6.5		95.5	6.0		2.6	
							Middle	1st	26.4	8.1	30.4	6.5		95.6	5.8		2.1	
							Middle	2nd	26.3	8.2	30.4	6.5		95.4	6.2		2.2	
							Bottom	1st	26.4	8.1	30.4	6.6	6.6	96.6	6.9		2.2	
							Bottom	2nd	26.3	8.2	30.5	6.5		96.3	6.2		2.5	
2018-10-19	Mid-Flood	SR5(N)	Fine	Moderate	16:03	9.3	Surface	1st	26.2	8.2	30.2	6.3	6.3	92.1	9.3	12.2	3.6	4.0
							Surface	2nd	26.2	8.2	30.2	6.3		91.9	9.2		2.8	
							Middle	1st	26.2	8.2	30.2	6.3		92.2	11.9		3.9	
							Middle	2nd	26.2	8.2	30.3	6.3		91.7	12.0		3.9	
							Bottom	1st	26.2	8.2	30.2	6.3	6.3	92.1	15.6		4.2	
							Bottom	2nd	26.2	8.2	30.3	6.3		91.8	15.1		5.5	
2018-10-19	Mid-Flood	IS10(N)	Fine	Moderate	16:10	12.3	Surface	1st	26.4	8.3	30.5	6.0	6.0	88.2	11.6	12.7	8.3	8.3
							Surface	2nd	26.3	8.2	30.5	6.0		87.7	11.3		8.5	
							Middle	1st	26.4	8.3	30.5	6.0		88.3	12.3		8.2	
							Middle	2nd	26.3	8.2	30.6	5.9		87.4	12.6		8.1	
							Bottom	1st	26.4	8.3	30.6	6.1	6.1	90.0	14.2		8.3	
							Bottom	2nd	26.3	8.2	30.6	6.1		89.1	14.2		8.4	
2018-10-19	Mid-Flood	IS(Mf)11	Fine	Moderate	16:17	10.9	Surface	1st	26.3	8.3	30.4	6.1	6.1	89.9	8.0	8.0	5.0	5.2
							Surface	2nd	26.3	8.2	30.5	6.1		89.5	7.4		5.4	
							Middle	1st	26.3	8.3	30.4	6.1		89.4	8.4		4.7	
							Middle	2nd	26.2	8.2	30.5	6.1		88.9	7.6		4.3	
							Bottom	1st	26.3	8.3	30.6	6.0	6.0	88.8	8.9		6.1	
							Bottom	2nd	26.3	8.2	30.6	6.0		88.0	7.9		5.4	
2018-10-19	Mid-Flood	CS(Mf)5	Fine	Calm	16:43	12.6	Surface	1st	26.1	8.0	30.9	6.0	5.8	87.8	1.2	3.8	1.9	2.3
							Surface	2nd	26.1	8.0	30.9	6.0		88.4	2.0		1.8	
							Middle	1st	26.4	8.0	31.5	5.5		81.3	3.4		2.2	
							Middle	2nd	26.4	8.0	31.4	5.5		81.8	3.7		2.4	
							Bottom	1st	26.4	8.0	31.6	5.5	5.6	81.8	6.0		2.8	
							Bottom	2nd	26.4	8.0	31.5	5.6		82.3	6.2		2.6	
2018-10-19	Mid-Flood	SR7	Fine	Moderate	16:27	4.3	Surface	1st	26.2	8.3	30.3	6.4	6.4	94.2	6.7	7.1	4.4	5.4
							Surface	2nd	26.2	8.2	30.4	6.4		93.6	6.7		4.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.3	30.6	6.7	6.7	98.1	7.1		7.0	
							Bottom	2nd	26.2	8.2	30.6	6.6		97.7	8.0		6.0	
2018-10-19	Mid-Flood	IS17	Fine	Calm	16:20	7.5	Surface	1st	26.1	8.1	30.5	6.2	6.0	90.1	1.4	4.1	2.8	3.3
							Surface	2nd	26.1	8.0	30.4	6.2		90.7	2.3		3.4	
							Middle	1st	26.2	8.0	30.7	5.7		84.2	3.6		3.4	
							Middle	2nd	26.2	8.0	30.6	5.8		84.9	4.0		3.4	
							Bottom	1st	26.3	8.0	30.8	5.5	5.5	81.0	7.1		3.5	
							Bottom	2nd	26.3	8.0	30.8	5.5		81.5	6.1		3.1	
2018-10-19	Mid-Flood	IS(Mf)16	Fine	Calm	16:12	5.3	Surface	1st	26.2	8.1	30.5	6.0	6.1	88.4	3.7	3.9	3.6	4.1
							Surface	2nd	26.2	8.0	30.4	6.1		88.9	3.8		3.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.1	30.5	6.0	6.1	88.2	4.0		4.7	
							Bottom	2nd	26.2	8.0	30.4	6.1		88.8	4.1		4.3	
2018-10-19	Mid-Flood	IS8	Cloudy	Calm	15:50	3.2	Surface	1st	26.3	8.0	29.7	6.0	6.0	87.3	4.4	5.6	4.3	4.5
							Surface	2nd	26.3	8.0	29.7	6.0		87.8	4.9		4.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.0	30.1	5.9	5.9	86.3	6.6		4.9	
							Bottom	2nd	26.4	8.0	30.0	5.9		86.9	6.5		4.9	
2018-10-19	Mid-Flood	SR4(N)	Cloudy	Calm	15:56	3.4	Surface	1st	26.4	8.0	29.9	5.6	5.7	82.8	4.3	6.6	4.9	5.1
							Surface	2nd	26.4	8.0	29.9	5.7		83.3	4.8		5.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.0	30.4	5.4	5.4	79.3	9.0		4.5	
							Bottom	2nd	26.4	8.0	30.3	5.4		79.7	8.4		5.9	
2018-10-19	Mid-Flood	IS(Mf)9	Cloudy	Calm	15:41	3.1	Surface	1st	26.3	8.0	29.7	6.1	6.1	89.0	4.6	5.7	5.2	5.6
							Surface	2nd	26.3	8.0	29.7	6.1		89.5	4.4		5.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.0	30.0	5.9	5.9	86.2	6.7		6.0	
							Bottom	2nd	26.3	8.0	29.9	5.9		86.7	7.0		5.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-19	Mid-Flood	IS7	Cloudy	Calm	15:33	2.7	Surface	1st	-	-	-	-	6.4	-	-	7.3	-	9.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.1	8.0	29.3	6.4		92.8	7.4		9.6	
							Middle	2nd	26.0	8.0	29.2	6.4		93.4	7.2		10.1	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-19	Mid-Flood	IS(Mf)6	Cloudy	Calm	15:24	2.5	Surface	1st	-	-	-	-	6.4	-	-	9.9	-	3.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.1	8.0	29.3	6.3		91.9	9.9		3.8	
							Middle	2nd	26.1	8.0	29.2	6.4		92.5	9.9		4.0	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-19	Mid-Flood	IS5	Cloudy	Calm	15:16	8.3	Surface	1st	25.8	8.0	28.5	6.6	6.5	94.4	4.8	5.4	3.8	4.1
							Surface	2nd	25.8	8.0	28.4	6.6		95.0	4.2		4.6	
							Middle	1st	25.8	8.0	28.7	6.4		92.0	5.0		4.4	
							Middle	2nd	25.8	8.0	28.6	6.4		92.4	4.6		4.1	
							Bottom	1st	26.0	8.0	30.1	6.1	6.1	88.7	7.0		3.9	
							Bottom	2nd	26.0	8.0	30.0	6.1		89.4	6.5		4.0	
2018-10-19	Mid-Flood	SR3(N)	Cloudy	Calm	15:10	3.9	Surface	1st	25.9	8.0	28.9	6.4	6.4	92.0	5.3	4.7	3.6	2.6
							Surface	2nd	25.9	8.0	28.8	6.4		92.6	4.7		3.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.0	29.5	6.2	6.3	90.5	4.1		1.8	
							Bottom	2nd	26.0	8.0	29.4	6.3		91.1	4.7		1.4	
2018-10-22	Mid-Ebb	SR10A(N)	Sunny	Moderate	9:58	12.4	Surface	1st	26.2	8.1	31.9	5.7	5.8	84.5	3.8	4.1	5.2	5.2
							Surface	2nd	26.1	8.0	31.9	5.8		85.5	3.8		4.5	
							Middle	1st	26.1	8.1	31.9	5.7		84.4	4.0		5.7	
							Middle	2nd	26.1	8.0	31.9	5.8		85.4	4.0		5.4	
							Bottom	1st	26.1	8.1	31.9	5.7	5.8	84.6	4.4		5.3	
							Bottom	2nd	26.1	7.9	31.9	5.8		85.5	4.3		5.3	
2018-10-22	Mid-Ebb	SR10B(N2)	Sunny	Moderate	10:06	7.0	Surface	1st	26.1	8.2	32.0	5.7	5.7	83.9	4.8	5.1	5.6	4.3
							Surface	2nd	26.1	8.0	31.9	5.7		84.9	4.8		5.3	
							Middle	1st	26.1	8.2	32.0	5.7		83.8	5.5		3.7	
							Middle	2nd	26.1	8.0	31.9	5.7		84.9	5.2		4.4	
							Bottom	1st	26.1	8.1	32.0	5.7	5.8	84.0	5.1		3.8	
							Bottom	2nd	26.1	8.0	31.9	5.8		85.1	5.3		3.2	
2018-10-22	Mid-Ebb	CSA	Sunny	Moderate	10:47	32.2	Surface	1st	26.2	8.0	31.3	6.0	5.9	88.9	1.4	5.2	3.4	3.3
							Surface	2nd	26.4	8.0	30.1	6.1		89.2	1.3		3.0	
							Middle	1st	26.2	8.1	31.9	5.7		85.1	2.6		3.1	
							Middle	2nd	26.4	8.0	31.6	5.7		84.9	2.6		3.7	
							Bottom	1st	26.2	8.1	31.9	5.7	5.7	84.4	11.9		3.1	
							Bottom	2nd	26.4	8.0	31.6	5.7		84.0	11.4		3.5	
2018-10-22	Mid-Ebb	CS6	Sunny	Moderate	11:24	9.5	Surface	1st	26.4	8.0	31.4	6.1	6.1	90.3	4.6	6.0	5.2	4.4
							Surface	2nd	26.5	7.9	30.2	6.1		89.7	4.4		5.1	
							Middle	1st	26.2	8.0	31.4	6.1		90.7	5.8		3.5	
							Middle	2nd	26.4	7.9	30.3	6.1		89.8	5.7		3.1	
							Bottom	1st	26.2	8.1	31.4	6.3	6.3	93.1	7.6		5.1	
							Bottom	2nd	26.4	8.0	30.3	6.3		92.6	7.8		4.6	
2018-10-22	Mid-Ebb	CS4	Sunny	Moderate	12:28	16.8	Surface	1st	26.2	7.9	30.7	6.9	6.9	101.3	5.7	6.6	4.5	3.7
							Surface	2nd	26.4	7.8	29.3	6.9		100.5	5.7		4.4	
							Middle	1st	26.1	7.9	31.2	6.9		100.8	6.5		3.1	
							Middle	2nd	26.2	7.8	29.8	6.9		100.3	6.8		3.8	
							Bottom	1st	26.1	7.9	31.3	6.8	6.8	100.8	7.5		2.9	
							Bottom	2nd	26.2	7.8	29.9	6.8		100.0	7.3		3.5	
2018-10-22	Mid-Ebb	SR6	Sunny	Moderate	12:51	4.6	Surface	1st	26.7	7.8	30.1	6.8	6.9	100.8	4.1	5.0	7.5	7.1
							Surface	2nd	26.8	7.8	28.8	6.9		100.7	4.5		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	7.8	31.3	6.8	6.8	100.4	5.5		6.4	
							Bottom	2nd	26.2	7.8	29.9	6.8		100.2	5.7		6.4	
2018-10-22	Mid-Ebb	CS(Mf)3(N)	Sunny	Moderate	12:38	7.3	Surface	1st	26.4	7.8	30.6	6.8	6.9	100.8	4.6	5.6	5.5	5.5
							Surface	2nd	26.5	7.8	29.2	6.9		100.5	4.4		5.3	
							Middle	1st	26.1	7.9	31.2	6.8		100.4	5.9		4.8	
							Middle	2nd	26.2	7.8	29.9	6.9		100.5	5.9		4.5	
							Bottom	1st	26.1	7.9	31.3	6.8	6.8	100.4	6.4		5.9	
							Bottom	2nd	26.2	7.8	30.0	6.8		100.2	6.6		6.9	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-22	Mid-Ebb	SR5(N)	Sunny	Moderate	12:06	9.5	Surface	1st	26.3	8.0	30.2	6.5	6.5	95.8	8.5	14.2	5.2	3.8
							Surface	2nd	26.4	8.0	28.9	6.6		95.9	8.4		4.8	
							Middle	1st	26.2	8.0	31.0	6.5		95.7	14.6		3.4	
							Middle	2nd	26.3	8.0	29.7	6.5		95.6	14.8		3.3	
							Bottom	1st	26.2	8.1	31.6	6.5	6.5	95.9	19.7		3.3	
							Bottom	2nd	26.3	8.1	30.3	6.5		95.4	19.0		2.6	
2018-10-22	Mid-Ebb	IS10(N)	Sunny	Moderate	12:00	12.3	Surface	1st	26.4	8.0	30.1	6.6	6.7	97.5	2.8	5.4	5.9	5.8
							Surface	2nd	26.5	8.0	28.9	6.7		97.3	2.4		5.5	
							Middle	1st	26.3	8.0	31.0	6.6		97.4	5.8		5.5	
							Middle	2nd	26.4	8.0	29.7	6.7		97.6	5.8		6.7	
							Bottom	1st	26.3	8.0	31.1	6.6	6.6	97.7	7.5		6.0	
							Bottom	2nd	26.4	8.0	29.9	6.6		97.2	7.9		5.2	
2018-10-22	Mid-Ebb	IS(Mf)11	Sunny	Moderate	11:53	11.4	Surface	1st	26.5	8.0	30.0	6.6	6.6	97.4	2.3	3.8	3.3	3.0
							Surface	2nd	26.5	7.9	28.8	6.7		97.6	2.5		2.9	
							Middle	1st	26.3	8.0	30.6	6.6		97.2	4.2		2.9	
							Middle	2nd	26.3	7.9	29.4	6.6		97.1	4.4		3.1	
							Bottom	1st	26.2	8.0	30.8	6.6	6.7	97.6	4.6		2.7	
							Bottom	2nd	26.3	7.9	29.5	6.7		97.7	4.5		3.0	
2018-10-22	Mid-Ebb	CS(Mf)5	Sunny	Moderate	10:51	12.0	Surface	1st	26.3	8.2	31.0	6.4	6.2	94.5	1.8	3.2	3.3	2.8
							Surface	2nd	26.3	8.0	31.0	6.5		95.3	1.5		3.5	
							Middle	1st	26.0	8.2	31.4	5.9		86.1	3.2		2.5	
							Middle	2nd	26.0	8.0	31.3	5.9		87.1	3.4		2.1	
							Bottom	1st	26.1	8.1	31.6	5.8	5.9	85.6	4.9		2.6	
							Bottom	2nd	26.0	8.0	31.6	5.9		86.9	4.5		2.7	
2018-10-22	Mid-Ebb	SR7	Sunny	Moderate	11:47	4.3	Surface	1st	26.1	8.1	30.9	6.6	6.6	96.7	8.5	9.1	4.7	4.5
							Surface	2nd	26.2	7.9	29.6	6.6		96.6	8.9		5.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.1	31.1	6.7	6.7	97.9	9.5		3.4	
							Bottom	2nd	26.2	7.9	29.8	6.7		97.5	9.3		4.6	
2018-10-22	Mid-Ebb	IS17	Sunny	Moderate	11:17	9.1	Surface	1st	26.1	8.2	30.9	6.3	6.3	92.3	3.7	3.6	3.3	2.4
							Surface	2nd	26.1	8.1	30.8	6.4		93.3	3.8		2.8	
							Middle	1st	26.1	8.2	31.0	6.2		91.1	3.7		2.9	
							Middle	2nd	26.0	8.1	30.9	6.3		92.2	3.4		2.6	
							Bottom	1st	26.1	8.2	31.0	6.2	6.3	91.2	3.4		1.3	
							Bottom	2nd	26.0	8.1	30.9	6.3		92.3	3.4		1.5	
2018-10-22	Mid-Ebb	IS(Mf)16	Sunny	Moderate	11:22	5.4	Surface	1st	26.0	8.2	30.9	6.3	6.4	92.8	4.5	4.7	3.2	3.7
							Surface	2nd	25.9	8.0	30.8	6.4		93.9	4.3		4.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.2	30.9	6.3	6.4	92.5	5.1		3.8	
							Bottom	2nd	25.9	8.0	30.8	6.4		93.6	4.9		3.7	
2018-10-22	Mid-Ebb	IS8	Sunny	Calm	11:42	4.0	Surface	1st	26.2	8.2	30.9	6.4	6.4	93.5	5.3	5.4	5.0	3.5
							Surface	2nd	26.1	8.0	30.9	6.4		94.6	5.3		5.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.2	31.0	6.3	6.4	93.0	5.7		1.8	
							Bottom	2nd	26.0	8.0	30.9	6.4		94.1	5.4		2.0	
2018-10-22	Mid-Ebb	SR4(N)	Sunny	Calm	11:37	3.2	Surface	1st	26.1	8.1	30.5	6.1	6.2	90.0	4.2	4.1	4.5	4.3
							Surface	2nd	26.1	8.0	30.4	6.2		91.2	4.2		4.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	8.1	30.6	6.2	6.3	90.5	4.0		4.7	
							Bottom	2nd	26.1	8.0	30.5	6.3		91.8	4.1		3.6	
2018-10-22	Mid-Ebb	IS(Mf)9	Sunny	Calm	11:51	3.2	Surface	1st	26.1	8.1	30.8	6.5	6.6	95.5	4.3	5.0	2.7	2.8
							Surface	2nd	26.1	8.1	30.7	6.6		96.7	4.4		2.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.1	30.8	6.5	6.6	94.9	5.9		3.4	
							Bottom	2nd	26.0	8.1	30.7	6.6		96.1	5.4		2.6	
2018-10-22	Mid-Ebb	IS7	Sunny	Calm	12:01	2.6	Surface	1st	-	-	-	-	6.6	-	-	8.4	-	3.4
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.1	8.1	30.9	6.5		95.6	9.0		3.7	
							Middle	2nd	26.0	8.1	30.8	6.6		96.8	7.7		3.0	
							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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-22	Mid-Ebb	IS(Mf)6	Sunny	Calm	12:08	2.3	Surface	1st	-	-	-	-	6.6	-	-	8.9	-	2.6
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.3	8.2	31.5	6.5		95.7	9.2		2.4	
							Middle	2nd	26.2	8.1	31.4	6.6		97.2	8.5		2.8	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-22	Mid-Ebb	IS5	Sunny	Calm	12:15	8.3	Surface	1st	26.2	8.2	31.9	6.4	6.4	94.2	4.4	5.1	3.6	4.0
							Surface	2nd	26.2	8.1	31.8	6.5		95.4	4.2		4.0	
							Middle	1st	26.1	8.2	32.1	6.3		93.3	5.9		3.3	
							Middle	2nd	26.1	8.1	32.0	6.4		94.5	5.2		3.7	
							Bottom	1st	26.1	8.2	32.1	6.3	6.4	93.2	5.5		5.0	
							Bottom	2nd	26.1	8.1	32.0	6.4		94.4	5.3		4.6	
2018-10-22	Mid-Ebb	SR3(N)	Sunny	Calm	12:23	3.4	Surface	1st	26.1	8.2	31.9	6.4	6.5	94.2	4.9	5.0	5.2	5.4
							Surface	2nd	26.1	8.1	31.8	6.5		95.4	4.9		6.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	8.2	32.1	6.4	6.4	94.0	5.0		5.3	
							Bottom	2nd	26.1	8.1	32.0	6.4		95.1	5.1		4.8	
2018-10-22	Mid-Flood	SR10A(N)	Fine	Moderate	18:25	12.6	Surface	1st	26.2	8.0	31.6	5.9	5.9	86.8	4.3	4.8	4.6	3.7
							Surface	2nd	26.2	8.0	31.5	5.9		87.7	4.1		4.1	
							Middle	1st	26.2	8.0	31.7	5.8		86.3	5.4		2.8	
							Middle	2nd	26.2	8.0	31.6	5.9		87.3	5.0		2.9	
							Bottom	1st	26.2	8.0	31.7	5.9	5.9	86.5	5.2		3.2	
							Bottom	2nd	26.2	8.0	31.6	5.9		87.6	4.8		4.3	
2018-10-22	Mid-Flood	SR10B(N2)	Fine	Moderate	18:21	6.8	Surface	1st	26.2	8.0	31.9	5.7	5.7	84.1	6.7	6.7	4.7	4.8
							Surface	2nd	26.2	8.0	31.8	5.8		85.0	6.3		4.7	
							Middle	1st	26.2	8.0	31.9	5.7		84.0	6.7		4.3	
							Middle	2nd	26.2	8.0	31.8	5.7		84.9	6.5		5.2	
							Bottom	1st	26.2	8.0	31.9	5.7	5.8	84.1	7.6		4.5	
							Bottom	2nd	26.2	8.0	31.8	5.8		85.1	6.5		5.6	
2018-10-22	Mid-Flood	CSA	Cloudy	Moderate	18:12	32.5	Surface	1st	26.3	8.2	31.1	6.2	6.1	91.9	2.6	3.9	3.6	4.8
							Surface	2nd	26.4	8.2	29.8	6.3		91.9	2.9		3.3	
							Middle	1st	26.2	8.2	31.5	6.0		87.9	4.4		4.9	
							Middle	2nd	26.3	8.1	30.2	6.0		88.2	4.3		5.3	
							Bottom	1st	26.2	8.2	31.6	6.0	6.1	89.1	4.6		5.6	
							Bottom	2nd	26.3	8.1	30.3	6.1		89.0	4.8		6.0	
2018-10-22	Mid-Flood	CS6	Cloudy	Moderate	18:01	9.4	Surface	1st	26.3	8.2	31.1	6.3	6.4	93.0	3.7	4.4	4.6	4.0
							Surface	2nd	26.4	8.1	29.8	6.4		93.4	3.9		5.3	
							Middle	1st	26.3	8.2	31.2	6.3		93.6	4.1		2.6	
							Middle	2nd	26.4	8.1	29.9	6.4		93.7	4.1		3.4	
							Bottom	1st	26.3	8.1	31.2	6.6	6.6	96.8	5.3		3.9	
							Bottom	2nd	26.4	8.0	30.0	6.6		96.6	5.2		4.3	
2018-10-22	Mid-Flood	CS4	Cloudy	Moderate	16:52	17.6	Surface	1st	26.7	8.2	28.5	6.2	6.2	90.8	2.7	4.3	4.5	3.9
							Surface	2nd	26.8	8.3	27.3	6.2		91.0	2.6		4.2	
							Middle	1st	26.3	8.2	30.3	6.1		90.2	4.7		4.2	
							Middle	2nd	26.3	8.3	29.0	6.2		90.6	4.4		4.4	
							Bottom	1st	26.2	8.2	30.7	6.1	6.2	90.4	5.6		3.1	
							Bottom	2nd	26.3	8.1	29.4	6.2		90.2	5.8		2.9	
2018-10-22	Mid-Flood	SR6	Cloudy	Moderate	16:18	4.5	Surface	1st	26.5	8.1	28.8	6.3	6.3	91.6	7.4	7.4	3.8	3.7
							Surface	2nd	26.6	8.1	27.6	6.3		91.7	7.1		4.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.1	29.2	6.3	6.3	92.1	7.6		3.2	
							Bottom	2nd	26.6	8.1	28.1	6.3		92.0	7.5		2.8	
2018-10-22	Mid-Flood	CS(Mf)3(N)	Cloudy	Moderate	16:39	7.0	Surface	1st	26.9	8.1	26.8	6.2	6.2	89.7	2.5	3.7	2.5	2.5
							Surface	2nd	26.9	8.2	25.7	6.2		90.0	2.6		2.4	
							Middle	1st	26.7	8.1	27.6	6.1		89.4	3.1		2.9	
							Middle	2nd	26.8	8.2	26.5	6.2		89.9	3.2		2.1	
							Bottom	1st	26.6	8.1	28.2	6.2	6.2	90.7	5.3		2.7	
							Bottom	2nd	26.7	8.2	27.0	6.2		90.6	5.6		2.6	
2018-10-22	Mid-Flood	SR5(N)	Cloudy	Moderate	17:15	9.5	Surface	1st	26.7	8.2	29.3	6.6	6.6	97.1	4.2	5.8	5.1	3.9
							Surface	2nd	26.8	8.2	28.0	6.7		97.6	4.0		6.0	
							Middle	1st	26.4	8.2	30.1	6.6		96.6	4.5		3.3	
							Middle	2nd	26.5	8.2	28.9	6.6		96.3	4.9		3.9	
							Bottom	1st	26.3	8.2	30.6	6.7	6.7	98.1	8.8		2.2	
							Bottom	2nd	26.4	8.2	29.4	6.7		98.1	8.5		2.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-22	Mid-Flood	IS10(N)	Cloudy	Moderate	17:22	12.4	Surface	1st	26.4	8.2	30.3	6.7	6.7	98.1	4.3	6.1	3.2	3.3
							Surface	2nd	26.5	8.2	29.0	6.7		98.2	4.1		3.6	
							Middle	1st	26.4	8.2	30.6	6.7		98.0	6.5		3.3	
							Middle	2nd	26.4	8.2	29.3	6.7		98.2	6.4		2.5	
							Bottom	1st	26.3	8.2	30.8	6.6	6.7	97.7	7.2		3.5	
							Bottom	2nd	26.4	8.2	29.4	6.7		98.0	7.8		3.6	
2018-10-22	Mid-Flood	IS(Mf)11	Cloudy	Moderate	17:31	11.4	Surface	1st	26.5	8.2	29.9	6.7	6.7	99.0	5.2	6.1	3.1	3.4
							Surface	2nd	26.6	8.0	28.7	6.7		98.7	5.1		3.7	
							Middle	1st	26.4	8.2	30.3	6.7		98.7	6.2		3.6	
							Middle	2nd	26.5	8.0	29.1	6.7		98.2	6.3		3.7	
							Bottom	1st	26.4	8.2	30.4	6.7	6.7	98.8	6.9		3.3	
							Bottom	2nd	26.5	8.0	29.2	6.7		98.3	6.7		3.1	
2018-10-22	Mid-Flood	CS(Mf)5	Fine	Moderate	17:45	12.8	Surface	1st	26.2	8.1	30.9	6.2	6.2	91.3	2.8	4.6	3.1	5.2
							Surface	2nd	26.1	8.0	30.9	6.3		92.2	3.1		4.0	
							Middle	1st	26.2	8.1	31.1	6.1		89.6	5.1		3.4	
							Middle	2nd	26.1	8.0	31.0	6.2		90.5	5.4		4.4	
							Bottom	1st	26.2	8.1	31.2	6.0	6.1	88.8	5.8		7.4	
							Bottom	2nd	26.1	8.0	31.2	6.1		89.8	5.6		8.8	
2018-10-22	Mid-Flood	SR7	Cloudy	Moderate	17:39	4.2	Surface	1st	26.4	8.2	30.4	6.6	6.6	96.5	7.3	7.9	2.3	1.8
							Surface	2nd	26.5	8.2	29.1	6.6		96.4	7.5		2.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.2	30.4	6.7	6.7	98.4	8.5		1.4	
							Bottom	2nd	26.5	8.2	29.1	6.7		98.4	8.2		1.4	
2018-10-22	Mid-Flood	IS17	Fine	Moderate	17:24	9.0	Surface	1st	26.3	8.2	30.5	6.4	6.4	94.3	2.4	4.4	3.9	3.7
							Surface	2nd	26.3	8.1	30.5	6.5		95.3	2.8		4.6	
							Middle	1st	26.3	8.2	30.8	6.4		93.7	4.6		3.4	
							Middle	2nd	26.2	8.1	30.7	6.4		94.7	4.6		3.3	
							Bottom	1st	26.3	8.2	30.8	6.3	6.4	93.4	6.3		3.4	
							Bottom	2nd	26.2	8.1	30.8	6.4		94.4	5.5		3.5	
2018-10-22	Mid-Flood	IS(Mf)16	Fine	Calm	17:16	5.5	Surface	1st	26.3	8.2	30.5	6.7	6.8	98.8	2.1	2.8	3.9	4.6
							Surface	2nd	26.3	8.1	30.4	6.8		99.9	2.6		3.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.2	30.9	6.7	6.8	98.9	3.0		5.2	
							Bottom	2nd	26.2	8.1	30.8	6.8		100.1	3.3		5.6	
2018-10-22	Mid-Flood	IS8	Fine	Calm	16:58	3.4	Surface	1st	26.2	8.2	30.9	6.6	6.7	97.3	6.2	6.0	6.1	6.2
							Surface	2nd	26.1	8.1	30.9	6.7		98.4	5.6		6.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.2	30.9	6.6	6.7	96.8	6.3		6.2	
							Bottom	2nd	26.1	8.1	30.9	6.7		97.8	5.7		5.6	
2018-10-22	Mid-Flood	SR4(N)	Fine	Calm	17:03	3.2	Surface	1st	26.1	8.2	30.9	6.6	6.7	97.6	4.9	4.9	6.7	6.9
							Surface	2nd	26.1	8.1	30.9	6.7		98.7	4.7		6.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.2	30.9	6.7	6.8	98.5	5.0		7.1	
							Bottom	2nd	26.0	8.1	30.9	6.8		99.6	4.9		7.2	
2018-10-22	Mid-Flood	IS(Mf)9	Fine	Calm	16:49	2.8	Surface	1st	-	-	-	-	6.7	-	-	4.8	-	5.5
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.3	8.2	31.0	6.6		98.0	4.9		5.1	
							Middle	2nd	26.3	8.1	30.9	6.7		98.8	4.6		5.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-22	Mid-Flood	IS7	Fine	Calm	16:42	2.5	Surface	1st	-	-	-	-	6.8	-	-	4.2	-	8.3
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.2	8.2	30.8	6.7		98.7	4.2		7.6	
							Middle	2nd	26.2	8.1	30.8	6.8		100.3	4.2		8.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-22	Mid-Flood	IS(Mf)6	Fine	Calm	16:32	2.1	Surface	1st	-	-	-	-	6.5	-	-	9.2	-	8.1
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.3	8.2	30.8	6.5		95.1	9.8		8.1	
							Middle	2nd	26.3	8.0	30.8	6.5		95.4	8.6		8.1	
							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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-22	Mid-Flood	IS5	Fine	Calm	16:24	7.9	Surface	1st	26.3	8.2	31.1	6.5	6.5	95.5	6.7	6.3	8.8	10.0
							Surface	2nd	26.3	8.1	31.1	6.5		96.5	6.3		7.4	
							Middle	1st	26.3	8.2	31.3	6.4		95.1	7.2		6.3	
							Middle	2nd	26.2	8.1	31.2	6.5		96.1	6.6		6.9	
							Bottom	1st	26.3	8.2	31.4	6.4	6.5	94.7	5.6		15.4	
							Bottom	2nd	26.2	8.1	31.3	6.5		95.7	5.3		14.9	
2018-10-22	Mid-Flood	SR3(N)	Fine	Calm	16:18	3.5	Surface	1st	26.3	8.2	31.3	6.5	6.5	95.5	6.5	6.3	6.7	6.8
							Surface	2nd	26.3	8.1	31.2	6.5		96.5	5.9		7.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.2	31.3	6.5	6.5	95.3	6.8		6.0	
							Bottom	2nd	26.3	8.1	31.2	6.5		96.3	5.9		7.0	
2018-10-24	Mid-Ebb	SR10A(N)	Cloudy	Moderate	11:23	11.1	Surface	1st	26.1	7.7	28.7	5.9	5.9	85.3	2.6	3.0	10.6	9.2
							Surface	2nd	26.1	7.7	28.7	5.9		85.4	2.5		10.6	
							Middle	1st	26.1	7.7	28.8	5.8		84.8	3.3		8.6	
							Middle	2nd	26.1	7.7	28.8	5.8		84.8	3.3		8.2	
							Bottom	1st	26.1	7.7	28.8	5.9	5.9	85.0	3.2		8.9	
							Bottom	2nd	26.1	7.7	28.8	5.9		85.0	3.3		8.1	
2018-10-24	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	11:29	6.3	Surface	1st	26.1	7.8	28.7	5.9	5.9	85.0	6.0	5.9	7.1	7.5
							Surface	2nd	26.1	7.8	28.7	5.9		85.0	6.0		7.3	
							Middle	1st	26.1	7.8	28.7	5.9		85.6	5.5		7.8	
							Middle	2nd	26.1	7.8	28.7	5.9		85.5	5.6		7.8	
							Bottom	1st	26.1	7.8	28.7	6.0	6.0	87.1	6.2		7.9	
							Bottom	2nd	26.1	7.8	28.7	6.0		87.0	6.1		7.3	
2018-10-24	Mid-Ebb	CSA	Cloudy	Moderate	11:37	32.6	Surface	1st	26.3	8.0	30.3	6.1	5.9	89.3	3.3	3.6	7.2	8.3
							Surface	2nd	26.0	8.0	30.4	6.1		89.8	3.4		7.9	
							Middle	1st	26.2	8.1	31.3	5.7		84.5	4.0		8.2	
							Middle	2nd	25.8	8.0	31.4	5.8		84.6	4.1		7.5	
							Bottom	1st	26.1	8.1	31.5	5.6	5.7	83.1	3.3		9.7	
							Bottom	2nd	25.8	8.0	31.7	5.7		83.5	3.5		9.5	
2018-10-24	Mid-Ebb	CS6	Cloudy	Moderate	11:59	9.5	Surface	1st	26.4	8.1	30.2	6.0	6.0	88.9	3.9	4.6	6.8	9.6
							Surface	2nd	26.0	7.9	30.4	6.1		89.4	4.0		6.6	
							Middle	1st	26.2	8.1	31.0	5.9		86.3	4.1		9.9	
							Middle	2nd	25.9	7.9	31.1	5.9		87.0	4.2		10.5	
							Bottom	1st	26.2	8.1	31.4	5.7	5.8	84.4	5.8		11.8	
							Bottom	2nd	25.8	7.9	31.6	5.8		84.9	5.6		12.0	
2018-10-24	Mid-Ebb	CS4	Cloudy	Moderate	13:11	16.6	Surface	1st	26.3	7.9	28.5	6.1	6.2	89.4	3.2	6.9	9.0	7.1
							Surface	2nd	26.0	8.0	28.7	6.2		90.0	3.5		8.2	
							Middle	1st	26.2	7.9	29.5	6.1		88.9	4.3		6.7	
							Middle	2nd	25.9	8.0	29.6	6.2		89.5	4.4		7.0	
							Bottom	1st	26.2	7.9	30.0	6.1	6.2	89.1	13.1		5.5	
							Bottom	2nd	25.9	8.0	30.1	6.2		89.7	12.9		6.2	
2018-10-24	Mid-Ebb	SR6	Cloudy	Moderate	13:41	4.6	Surface	1st	26.1	8.0	30.2	6.3	6.4	92.3	8.3	10.6	12.3	11.5
							Surface	2nd	25.7	8.0	30.4	6.4		93.2	8.0		12.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.0	30.6	6.3	6.4	92.0	14.2		10.0	
							Bottom	2nd	25.7	8.0	30.7	6.4		92.9	12.0		11.3	
2018-10-24	Mid-Ebb	CS(Mf)3(N)	Cloudy	Moderate	13:23	7.3	Surface	1st	26.2	7.9	29.5	6.2	6.3	91.0	11.5	12.7	6.5	7.5
							Surface	2nd	25.9	8.0	29.6	6.3		91.7	11.5		6.3	
							Middle	1st	26.2	7.9	29.6	6.2		91.0	12.6		6.9	
							Middle	2nd	25.9	8.0	29.7	6.3		91.7	12.4		6.8	
							Bottom	1st	26.2	7.9	29.6	6.3	6.3	91.3	14.1		9.2	
							Bottom	2nd	25.8	8.0	29.8	6.3		92.0	13.9		9.2	
2018-10-24	Mid-Ebb	SR5(N)	Cloudy	Moderate	12:46	9.5	Surface	1st	26.2	8.0	28.8	6.2	6.3	90.8	6.6	11.6	9.1	13.1
							Surface	2nd	25.9	8.0	29.0	6.3		91.4	7.0		8.3	
							Middle	1st	26.1	8.0	29.6	6.2		90.6	11.9		8.5	
							Middle	2nd	25.8	8.0	29.8	6.3		91.2	11.8		9.2	
							Bottom	1st	26.1	8.1	29.7	6.2	6.3	90.7	16.1		20.4	
							Bottom	2nd	25.8	8.0	29.9	6.3		91.4	16.2		23.3	
2018-10-24	Mid-Ebb	IS10(N)	Cloudy	Moderate	12:38	12.5	Surface	1st	26.2	8.0	28.5	6.4	6.4	92.2	2.8	7.0	6.0	7.0
							Surface	2nd	25.9	8.0	28.7	6.4		92.8	2.6		7.1	
							Middle	1st	26.2	8.1	29.6	6.3		92.1	4.6		6.3	
							Middle	2nd	25.8	8.0	29.8	6.4		92.7	5.6		5.6	
							Bottom	1st	26.2	8.1	29.8	6.3	6.4	92.1	13.3		8.7	
							Bottom	2nd	25.8	8.0	30.0	6.4		92.7	13.1		8.4	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-24	Mid-Ebb	IS(Mf)11	Cloudy	Moderate	12:32	11.4	Surface	1st	26.2	8.0	29.0	6.4	6.4	92.6	3.1	5.9	8.2	8.4
							Surface	2nd	25.9	8.0	29.2	6.4		93.4	3.5		8.6	
							Middle	1st	26.2	8.0	29.4	6.3		91.6	3.8		7.8	
							Middle	2nd	25.8	8.0	29.5	6.4		92.5	3.6		7.9	
							Bottom	1st	26.2	8.0	29.6	6.3	6.4	91.8	10.8		9.1	
							Bottom	2nd	25.8	8.0	29.8	6.4		92.7	10.7		8.5	
2018-10-24	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	12:07	12.7	Surface	1st	26.2	7.9	27.4	6.2	6.1	88.9	2.1	4.4	6.0	6.0
							Surface	2nd	26.2	7.9	27.4	6.2		89.1	2.2		6.2	
							Middle	1st	26.2	7.8	28.1	6.0		86.1	3.9		6.3	
							Middle	2nd	26.2	7.8	28.1	6.0		86.2	3.5		5.8	
							Bottom	1st	26.2	7.8	28.1	6.0	6.0	87.2	7.0		5.4	
							Bottom	2nd	26.2	7.8	28.2	6.0		87.1	7.4		6.2	
2018-10-24	Mid-Ebb	SR7	Cloudy	Moderate	12:24	4.5	Surface	1st	26.3	8.0	29.2	6.3	6.4	91.8	5.0	5.5	9.1	7.9
							Surface	2nd	25.9	8.0	29.4	6.4		92.4	5.0		8.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.0	29.4	6.3	6.4	91.7	5.9		7.2	
							Bottom	2nd	25.9	8.0	29.5	6.4		92.3	5.9		7.1	
2018-10-24	Mid-Ebb	IS17	Cloudy	Moderate	12:31	7.2	Surface	1st	26.2	7.9	27.1	6.3	6.3	91.3	2.1	2.8	4.9	5.6
							Surface	2nd	26.2	7.9	27.1	6.3		91.3	2.1		4.4	
							Middle	1st	26.2	7.9	27.2	6.3		90.8	2.4		5.6	
							Middle	2nd	26.2	7.9	27.2	6.3		90.8	2.3		5.3	
							Bottom	1st	26.2	7.9	27.3	6.2	6.2	90.1	3.9		6.7	
							Bottom	2nd	26.2	7.9	27.3	6.2		90.0	3.9		6.4	
2018-10-24	Mid-Ebb	IS(Mf)16	Cloudy	Moderate	12:37	5.8	Surface	1st	26.2	7.9	27.2	6.5	6.5	93.5	3.5	6.4	6.7	6.2
							Surface	2nd	26.2	7.9	27.2	6.5		93.4	3.5		6.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	7.9	27.2	6.6	6.6	95.2	9.2		5.6	
							Bottom	2nd	26.2	7.9	27.3	6.6		94.9	9.2		5.9	
2018-10-24	Mid-Ebb	IS8	Cloudy	Moderate	12:55	4.1	Surface	1st	26.1	7.9	27.2	6.4	6.5	92.8	5.5	6.7	7.0	8.6
							Surface	2nd	26.1	7.9	27.2	6.5		92.9	5.1		6.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	7.9	27.4	6.5	6.5	93.8	8.0		10.5	
							Bottom	2nd	26.1	7.9	27.4	6.5		93.5	8.0		10.3	
2018-10-24	Mid-Ebb	SR4(N)	Cloudy	Moderate	12:50	4.6	Surface	1st	26.2	7.9	27.2	6.1	6.1	88.5	9.2	10.4	4.2	6.2
							Surface	2nd	26.2	7.9	27.1	6.1		88.4	9.4		4.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	7.8	27.2	6.2	6.2	89.5	12.0		7.8	
							Bottom	2nd	26.2	7.8	27.2	6.2		89.4	10.8		7.7	
2018-10-24	Mid-Ebb	IS(Mf)9	Cloudy	Moderate	13:02	3.7	Surface	1st	26.1	7.9	27.2	6.5	6.5	93.7	3.3	4.2	7.6	5.8
							Surface	2nd	26.1	7.9	27.2	6.5		94.1	2.8		6.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	7.9	27.3	6.5	6.5	93.1	5.3		3.9	
							Bottom	2nd	26.1	7.9	27.3	6.5		93.1	5.3		4.8	
2018-10-24	Mid-Ebb	IS7	Cloudy	Moderate	13:11	2.7	Surface	1st	-	-	-	-	6.6	-	-	1.7	-	4.5
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.1	7.9	27.2	6.6		94.7	1.7		4.8	
							Middle	2nd	26.1	7.9	27.2	6.6		94.7	1.7		4.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-24	Mid-Ebb	IS(Mf)6	Cloudy	Moderate	13:19	2.6	Surface	1st	-	-	-	-	6.6	-	-	29.6	-	9.6
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.1	7.9	27.4	6.6		95.3	27.5		9.5	
							Middle	2nd	26.1	7.9	27.4	6.6		95.1	31.7		9.6	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-24	Mid-Ebb	IS5	Cloudy	Moderate	13:26	9.3	Surface	1st	26.1	7.9	27.7	6.4	6.4	92.5	4.8	5.8	9.0	6.7
							Surface	2nd	26.1	7.9	27.7	6.4		92.5	4.8		8.4	
							Middle	1st	26.1	7.9	27.8	6.4		92.5	6.0		6.4	
							Middle	2nd	26.1	7.9	27.8	6.4		92.5	5.9		6.7	
							Bottom	1st	26.1	7.9	27.8	6.4	6.4	93.0	6.7		5.1	
							Bottom	2nd	26.1	7.9	27.8	6.4		92.9	6.7		4.8	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-24	Mid-Ebb	SR3(N)	Cloudy	Moderate	13:32	4.3	Surface	1st	26.2	7.9	27.4	6.4	6.4	92.7	4.7	5.0	6.9	13.6
							Surface	2nd	26.2	7.9	27.4	6.4		92.7	4.7		6.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	7.9	27.5	6.4	6.4	92.5	5.2		20.2	
							Bottom	2nd	26.1	7.9	27.5	6.4		92.5	5.2		20.4	
2018-10-24	Mid-Flood	SR10A(N)	Cloudy	Moderate	19:00	6.8	Surface	1st	26.2	7.9	28.2	6.0	6.0	86.5	6.1	6.9	11.4	11.1
							Surface	2nd	26.2	7.9	28.2	6.0		86.5	6.0		11.7	
							Middle	1st	26.2	7.9	28.4	6.0		86.4	7.2		11.2	
							Middle	2nd	26.2	7.9	28.3	6.0		86.3	7.0		11.7	
							Bottom	1st	26.2	7.9	28.4	6.0	6.0	86.7	7.6		9.6	
							Bottom	2nd	26.2	7.9	28.4	6.0		86.7	7.7		10.7	
2018-10-24	Mid-Flood	SR10B(N2)	Cloudy	Moderate	18:56	11.2	Surface	1st	25.8	7.9	28.1	6.3	6.3	90.8	9.0	8.3	8.1	11.9
							Surface	2nd	25.8	7.9	28.1	6.3		90.8	9.0		8.8	
							Middle	1st	25.9	7.9	28.0	6.3		90.5	6.5		12.6	
							Middle	2nd	25.9	7.9	28.0	6.3		90.5	6.4		12.9	
							Bottom	1st	26.0	7.9	28.3	6.2	6.2	88.9	9.5		15.5	
							Bottom	2nd	26.0	7.9	28.3	6.2		89.2	9.5		13.5	
2018-10-24	Mid-Flood	CSA	Sunny	Calm	18:50	35.0	Surface	1st	25.9	8.0	30.3	6.0	5.9	87.4	3.7	5.3	8.0	7.1
							Surface	2nd	26.3	8.0	30.2	5.9		86.7	3.7		8.5	
							Middle	1st	25.9	8.0	31.0	5.9		85.7	5.7		7.0	
							Middle	2nd	26.2	8.0	30.8	5.8		84.9	5.5		7.7	
							Bottom	1st	25.9	8.0	31.0	5.8	5.8	85.6	6.5		5.6	
							Bottom	2nd	26.2	8.0	30.8	5.8		84.8	6.5		5.7	
2018-10-24	Mid-Flood	CS6	Sunny	Calm	18:38	10.5	Surface	1st	25.9	8.0	29.8	6.3	6.2	90.9	3.2	5.7	3.7	9.8
							Surface	2nd	26.2	8.0	29.6	6.2		90.2	3.5		8.3	
							Middle	1st	26.0	8.0	30.1	6.1		88.8	4.1		12.6	
							Middle	2nd	26.3	8.0	30.0	6.0		88.1	4.2		12.3	
							Bottom	1st	26.0	8.0	30.5	6.0	6.0	87.9	9.7		11.0	
							Bottom	2nd	26.3	8.0	30.3	5.9		87.1	9.5		10.7	
2018-10-24	Mid-Flood	CS4	Sunny	Calm	17:30	16.5	Surface	1st	26.1	8.0	28.6	6.1	6.0	88.5	3.5	9.7	5.6	6.9
							Surface	2nd	26.4	8.0	28.4	6.0		87.7	3.7		5.6	
							Middle	1st	25.9	8.0	29.8	5.9		86.1	8.9		6.0	
							Middle	2nd	26.3	8.0	29.6	5.8		85.3	9.0		6.2	
							Bottom	1st	25.9	8.0	30.4	5.9	5.9	85.6	16.5		9.7	
							Bottom	2nd	26.3	8.0	30.2	5.8		84.6	16.6		8.4	
2018-10-24	Mid-Flood	SR6	Sunny	Calm	16:58	4.4	Surface	1st	25.9	8.0	28.5	6.2	6.2	89.1	12.8	13.2	19.2	21.5
							Surface	2nd	26.3	8.0	28.3	6.1		88.4	12.5		18.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.0	28.7	6.2	6.2	89.3	13.6		25.5	
							Bottom	2nd	26.3	8.0	28.5	6.1		88.6	13.8		23.0	
2018-10-24	Mid-Flood	CS(Mf)3(N)	Sunny	Calm	17:16	7.4	Surface	1st	26.1	8.0	28.2	6.2	6.2	89.6	5.5	6.5	6.4	8.4
							Surface	2nd	26.4	8.0	28.1	6.1		88.5	5.4		6.7	
							Middle	1st	26.1	8.0	28.3	6.2		89.4	6.6		7.4	
							Middle	2nd	26.4	8.0	28.2	6.1		88.4	6.5		7.9	
							Bottom	1st	25.9	8.0	29.1	6.2	6.2	89.3	7.6		11.6	
							Bottom	2nd	26.3	8.0	29.0	6.1		88.2	7.6		10.5	
2018-10-24	Mid-Flood	SR5(N)	Sunny	Calm	17:54	9.4	Surface	1st	25.9	8.0	29.7	6.3	6.3	91.3	9.3	13.5	12.5	11.9
							Surface	2nd	26.2	8.0	29.5	6.2		90.5	9.2		12.8	
							Middle	1st	25.9	8.0	29.8	6.3		91.1	11.7		11.0	
							Middle	2nd	26.2	8.0	29.6	6.2		90.3	11.9		12.6	
							Bottom	1st	25.9	8.0	29.8	6.2	6.2	90.8	19.4		10.9	
							Bottom	2nd	26.2	8.0	29.6	6.2		90.1	19.2		11.3	
2018-10-24	Mid-Flood	IS10(N)	Sunny	Calm	18:01	12.6	Surface	1st	25.9	8.0	29.8	6.4	6.4	93.0	11.2	13.0	15.3	14.7
							Surface	2nd	26.2	8.0	29.6	6.3		92.2	11.5		14.5	
							Middle	1st	25.9	8.0	29.8	6.4		93.0	13.0		15.5	
							Middle	2nd	26.2	8.0	29.6	6.3		92.2	12.8		15.4	
							Bottom	1st	25.9	8.0	29.8	6.4	6.4	92.7	15.0		13.5	
							Bottom	2nd	26.2	8.0	29.7	6.3		92.0	14.7		14.0	
2018-10-24	Mid-Flood	IS(Mf)11	Sunny	Calm	18:07	11.2	Surface	1st	25.9	8.0	29.7	6.6	6.5	95.4	5.5	6.5	9.9	13.4
							Surface	2nd	26.2	8.0	29.5	6.5		94.5	5.3		9.9	
							Middle	1st	25.9	8.0	29.6	6.5		95.1	6.7		12.6	
							Middle	2nd	26.2	8.0	29.4	6.5		94.2	7.0		13.3	
							Bottom	1st	25.9	8.0	29.8	6.6	6.6	95.8	7.2		17.5	
							Bottom	2nd	26.2	8.0	29.6	6.5		94.9	7.0		17.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-24	Mid-Flood	CS(Mf)5	Cloudy	Moderate	18:19	12.1	Surface	1st	26.2	7.9	27.4	6.1	6.1	88.5	6.5	15.4	6.9	7.7
							Surface	2nd	26.2	7.9	27.3	6.2		88.7	6.1		6.4	
							Middle	1st	26.2	7.9	27.8	6.0		87.1	18.8		8.0	
							Middle	2nd	26.2	7.9	27.8	6.0		87.1	15.9		7.4	
							Bottom	1st	26.2	7.9	28.0	6.1	6.1	87.8	22.0		8.7	
							Bottom	2nd	26.2	7.9	28.0	6.1		87.7	22.8		8.9	
2018-10-24	Mid-Flood	SR7	Sunny	Calm	18:15	4.5	Surface	1st	25.9	8.0	29.8	6.3	6.3	91.4	13.2	13.9	22.0	22.6
							Surface	2nd	26.2	8.0	29.6	6.2		90.6	13.4		21.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.0	29.8	6.3	6.3	91.6	14.4		23.8	
							Bottom	2nd	26.2	8.0	29.6	6.2		90.7	14.6		22.8	
2018-10-24	Mid-Flood	IS17	Cloudy	Moderate	17:58	7.2	Surface	1st	26.2	7.9	27.1	6.3	6.3	91.3	4.5	4.8	6.1	6.4
							Surface	2nd	26.2	7.9	27.1	6.3		91.3	4.5		5.1	
							Middle	1st	26.2	7.9	27.1	6.3		91.4	4.8		6.9	
							Middle	2nd	26.2	7.9	27.1	6.3		91.4	4.8		6.0	
							Bottom	1st	26.2	7.9	27.1	6.4	6.4	91.9	5.1		6.5	
							Bottom	2nd	26.2	7.9	27.1	6.4		91.8	5.1		7.9	
2018-10-24	Mid-Flood	IS(Mf)16	Cloudy	Moderate	17:52	5.4	Surface	1st	26.2	7.9	27.1	6.4	6.4	92.3	6.0	6.7	5.9	7.2
							Surface	2nd	26.2	7.9	27.1	6.4		92.3	5.8		5.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	7.9	27.2	6.5	6.5	93.5	7.5		8.0	
							Bottom	2nd	26.2	7.9	27.2	6.5		93.2	7.5		8.9	
2018-10-24	Mid-Flood	IS8	Cloudy	Moderate	17:35	3.4	Surface	1st	26.3	7.9	27.1	6.5	6.5	94.3	5.7	5.9	6.8	8.4
							Surface	2nd	26.3	7.9	27.1	6.5		94.2	5.7		6.2	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	7.9	27.1	6.6	6.6	95.6	6.0		10.5	
							Bottom	2nd	26.2	7.9	27.1	6.6		95.5	6.0		10.0	
2018-10-24	Mid-Flood	SR4(N)	Cloudy	Moderate	17:39	3.6	Surface	1st	26.3	7.9	27.0	6.5	6.5	94.3	4.8	4.9	8.7	9.8
							Surface	2nd	26.3	7.9	27.0	6.5		94.3	4.7		8.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	7.9	27.0	6.6	6.6	95.3	5.1		10.9	
							Bottom	2nd	26.3	7.9	27.0	6.6		95.1	5.1		11.4	
2018-10-24	Mid-Flood	IS(Mf)9	Cloudy	Moderate	17:28	2.9	Surface	1st	-	-	-	-	6.7	-	-	5.9	-	15.5
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.2	7.9	27.2	6.7		96.7	5.9		15.6	
							Middle	2nd	26.2	7.9	27.2	6.7		96.6	5.9		15.3	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-24	Mid-Flood	IS7	Cloudy	Moderate	17:19	2.7	Surface	1st	-	-	-	-	6.7	-	-	8.2	-	10.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.2	7.8	27.2	6.7		96.9	8.1		10.1	
							Middle	2nd	26.2	7.8	27.2	6.7		96.8	8.2		11.6	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-24	Mid-Flood	IS(Mf)6	Cloudy	Moderate	17:11	2.5	Surface	1st	-	-	-	-	6.7	-	-	7.2	-	11.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.2	7.9	27.0	6.7		96.1	7.2		11.9	
							Middle	2nd	26.2	7.9	27.0	6.7		95.9	7.2		11.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-24	Mid-Flood	IS5	Cloudy	Moderate	17:04	9.5	Surface	1st	26.2	7.9	27.3	6.5	6.5	94.4	8.3	10.6	14.1	11.2
							Surface	2nd	26.2	7.9	27.3	6.5		94.4	8.1		13.9	
							Middle	1st	26.2	7.9	27.4	6.5		94.0	11.1		12.7	
							Middle	2nd	26.2	7.9	27.4	6.5		94.0	10.7		12.2	
							Bottom	1st	26.2	7.9	27.4	6.5	6.5	94.3	12.8		6.7	
							Bottom	2nd	26.2	7.9	27.4	6.5		94.2	12.8		7.8	
2018-10-24	Mid-Flood	SR3(N)	Cloudy	Moderate	16:58	3.6	Surface	1st	26.2	7.8	27.5	6.5	6.5	94.0	8.6	9.4	10.1	10.1
							Surface	2nd	26.2	7.8	27.5	6.5		94.0	8.4		10.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	7.8	27.5	6.5	6.5	94.0	10.3		9.4	
							Bottom	2nd	26.2	7.8	27.5	6.5		94.0	10.1		10.3	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-26	Mid-Ebb	SR10A(N)	Cloudy	Moderate	12:09	12.5	Surface	1st	26.2	8.1	30.9	5.8	5.8	85.0	3.9	4.5	3.0	3.0
							Surface	2nd	26.2	8.0	30.9	5.8		85.0	3.8		3.3	
							Middle	1st	26.2	8.1	30.9	5.8		84.9	4.9		2.6	
							Middle	2nd	26.2	8.0	30.9	5.8		84.9	4.9		2.9	
							Bottom	1st	26.2	8.1	30.9	5.8	5.8	85.0	4.8		2.6	
							Bottom	2nd	26.2	7.9	30.9	5.8		85.0	4.8		3.6	
2018-10-26	Mid-Ebb	SR10B(N2)	Cloudy	Moderate	12:14	7.0	Surface	1st	26.2	8.2	30.9	5.7	5.7	84.6	7.0	7.3	3.7	3.6
							Surface	2nd	26.2	8.0	30.9	5.7		84.6	6.8		3.4	
							Middle	1st	26.2	8.2	30.9	5.7		84.6	7.2		3.6	
							Middle	2nd	26.2	8.0	30.9	5.7		84.7	7.1		3.5	
							Bottom	1st	26.2	8.1	30.9	5.8	5.8	84.9	8.1		3.4	
							Bottom	2nd	26.2	8.0	30.9	5.8		84.8	7.8		4.2	
2018-10-26	Mid-Ebb	CSA	Sunny	Moderate	12:15	32.8	Surface	1st	26.4	8.1	30.7	5.9	5.8	87.0	1.8	2.8	2.4	2.3
							Surface	2nd	26.4	8.1	30.7	5.9		87.0	1.8		2.5	
							Middle	1st	26.2	8.1	31.0	5.7		83.9	3.1		2.1	
							Middle	2nd	26.2	8.1	31.0	5.7		84.0	3.1		2.2	
							Bottom	1st	26.2	8.1	31.0	5.7	5.7	84.6	3.3		2.0	
							Bottom	2nd	26.2	8.1	31.1	5.7		84.3	3.4		2.8	
2018-10-26	Mid-Ebb	CS6	Sunny	Moderate	12:26	9.5	Surface	1st	26.7	8.1	29.9	6.2	6.2	92.0	1.7	1.8	3.6	2.9
							Surface	2nd	26.7	8.1	29.9	6.2		92.1	1.6		3.3	
							Middle	1st	26.5	8.1	30.4	6.1		90.5	1.9		2.3	
							Middle	2nd	26.5	8.1	30.4	6.1		90.5	1.9		2.4	
							Bottom	1st	26.4	8.0	30.7	6.3	6.3	92.3	1.7		3.4	
							Bottom	2nd	26.4	8.0	30.7	6.2		92.1	1.7		2.4	
2018-10-26	Mid-Ebb	CS4	Sunny	Moderate	13:36	17.6	Surface	1st	27.0	8.1	27.7	6.3	6.3	92.2	3.7	3.6	4.0	4.1
							Surface	2nd	27.0	8.1	27.7	6.3		92.2	3.7		4.8	
							Middle	1st	26.4	8.1	28.8	6.2		90.8	3.6		4.5	
							Middle	2nd	26.5	8.1	28.8	6.2		90.9	3.6		4.5	
							Bottom	1st	26.4	8.1	29.2	6.3	6.3	91.6	3.4		3.4	
							Bottom	2nd	26.4	8.1	29.2	6.3		91.5	3.4		3.4	
2018-10-26	Mid-Ebb	SR6	Sunny	Moderate	14:06	4.3	Surface	1st	26.5	8.1	28.5	6.4	6.4	93.4	12.3	14.3	8.6	8.3
							Surface	2nd	26.5	8.1	28.5	6.4		93.2	12.1		7.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.1	28.8	6.5	6.5	94.9	16.6		8.8	
							Bottom	2nd	26.3	8.1	28.8	6.5		94.8	16.3		8.2	
2018-10-26	Mid-Ebb	CS(Mf)3(N)	Sunny	Moderate	13:48	7.0	Surface	1st	26.7	8.1	28.3	6.4	6.4	93.3	8.0	11.9	3.9	3.7
							Surface	2nd	26.7	8.1	28.3	6.4		93.3	7.7		3.7	
							Middle	1st	26.5	8.1	28.7	6.4		93.1	14.4		4.1	
							Middle	2nd	26.5	8.1	28.7	6.4		93.0	14.0		3.8	
							Bottom	1st	26.5	8.1	28.9	6.5	6.5	95.1	13.7		3.2	
							Bottom	2nd	26.5	8.1	28.9	6.5		95.0	13.7		3.2	
2018-10-26	Mid-Ebb	SR5(N)	Sunny	Moderate	13:10	9.5	Surface	1st	26.8	8.1	27.8	6.3	6.3	92.0	4.2	12.4	5.1	3.7
							Surface	2nd	26.8	8.1	27.8	6.3		91.9	4.3		5.2	
							Middle	1st	26.4	8.2	29.3	6.3		91.7	8.8		3.0	
							Middle	2nd	26.4	8.2	29.3	6.3		91.7	8.7		3.6	
							Bottom	1st	26.3	8.2	29.5	6.4	6.4	93.2	24.3		2.6	
							Bottom	2nd	26.3	8.2	29.5	6.4		93.2	24.2		2.9	
2018-10-26	Mid-Ebb	IS10(N)	Sunny	Moderate	13:03	12.4	Surface	1st	26.7	8.2	28.7	6.4	6.4	93.9	4.7	10.2	2.5	3.9
							Surface	2nd	26.7	8.2	28.7	6.4		93.9	4.7		3.4	
							Middle	1st	26.5	8.2	29.7	6.4		94.2	9.1		4.5	
							Middle	2nd	26.5	8.2	29.7	6.4		94.2	9.0		3.8	
							Bottom	1st	26.4	8.2	29.8	6.4	6.4	94.4	16.6		4.6	
							Bottom	2nd	26.4	8.2	29.8	6.4		94.3	16.9		4.4	
2018-10-26	Mid-Ebb	IS(Mf)11	Sunny	Moderate	12:57	11.2	Surface	1st	26.6	8.2	29.2	6.3	6.3	93.0	5.5	10.1	8.6	6.0
							Surface	2nd	26.6	8.2	29.2	6.3		93.0	5.4		8.4	
							Middle	1st	26.3	8.2	29.7	6.3		91.9	12.3		5.6	
							Middle	2nd	26.3	8.2	29.7	6.3		91.9	12.2		5.6	
							Bottom	1st	26.3	8.2	29.6	6.3	6.3	92.7	12.6		4.2	
							Bottom	2nd	26.3	8.2	29.6	6.3		92.6	12.7		3.8	
2018-10-26	Mid-Ebb	CS(Mf)5	Cloudy	Moderate	12:50	12.3	Surface	1st	26.5	8.2	29.9	6.1	6.0	89.5	3.3	4.2	3.6	3.9
							Surface	2nd	26.5	8.0	29.9	6.1		89.9	3.2		3.8	
							Middle	1st	26.3	8.2	30.2	5.9		86.4	4.6		3.2	
							Middle	2nd	26.3	8.0	30.2	5.9		86.6	4.6		4.0	
							Bottom	1st	26.2	8.1	30.6	5.8	5.8	85.3	4.8		4.2	
							Bottom	2nd	26.2	8.0	30.6	5.8		85.2	4.8		4.5	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-26	Mid-Ebb	SR7	Sunny	Moderate	12:50	4.4	Surface	1st	26.6	8.2	29.2	6.4	6.4	93.9	5.2	5.8	3.9	4.0
							Surface	2nd	26.6	8.2	29.2	6.4		93.9	5.1		3.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	29.3	6.5	6.5	95.6	6.4		4.1	
							Bottom	2nd	26.6	8.1	29.3	6.5		95.5	6.4		4.3	
2018-10-26	Mid-Ebb	IS17	Cloudy	Moderate	13:16	9.0	Surface	1st	26.4	8.2	29.5	6.2	6.2	90.1	5.8	5.5	4.5	5.1
							Surface	2nd	26.4	8.1	29.5	6.2		90.2	5.8		4.2	
							Middle	1st	26.3	8.2	29.6	6.1		89.9	5.7		5.5	
							Middle	2nd	26.3	8.1	29.6	6.1		89.9	5.7		5.5	
							Bottom	1st	26.3	8.2	29.6	6.2	6.2	90.4	5.1		5.4	
							Bottom	2nd	26.3	8.1	29.6	6.2		90.2	5.1		5.3	
2018-10-26	Mid-Ebb	IS(Mf)16	Cloudy	Moderate	13:22	5.6	Surface	1st	26.4	8.2	29.7	6.3	6.3	92.4	5.7	6.2	3.7	3.4
							Surface	2nd	26.4	8.0	29.7	6.3		92.6	5.7		3.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.1	8.2	29.8	6.2	6.2	90.5	6.8		3.5	
							Bottom	2nd	26.1	8.0	29.8	6.2		90.5	6.7		3.1	
2018-10-26	Mid-Ebb	IS8	Cloudy	Calm	13:40	4.4	Surface	1st	26.2	8.2	29.8	6.3	6.3	91.5	6.7	7.3	7.7	8.0
							Surface	2nd	26.2	8.0	29.8	6.3		91.5	6.6		7.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.3	8.2	29.8	6.3	6.3	92.3	7.9		8.7	
							Bottom	2nd	26.3	8.0	29.8	6.3		92.2	8.0		8.2	
2018-10-26	Mid-Ebb	SR4(N)	Cloudy	Calm	13:35	3.2	Surface	1st	26.6	8.1	29.7	6.3	6.3	93.1	5.9	5.8	9.6	10.4
							Surface	2nd	26.6	8.0	29.7	6.3		93.1	5.8		10.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.7	8.1	29.6	6.4	6.4	94.1	5.7		10.8	
							Bottom	2nd	26.7	8.0	29.7	6.4		93.7	5.8		10.3	
2018-10-26	Mid-Ebb	IS(Mf)9	Cloudy	Calm	13:48	3.4	Surface	1st	26.5	8.1	29.9	6.6	6.6	96.9	4.5	5.1	7.2	6.1
							Surface	2nd	26.5	8.1	29.9	6.6		96.9	4.4		6.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.4	8.1	30.0	6.6	6.6	96.2	5.7		5.4	
							Bottom	2nd	26.4	8.1	30.0	6.6		96.3	5.6		5.4	
2018-10-26	Mid-Ebb	IS7	Cloudy	Calm	13:57	2.6	Surface	1st	-	-	-	-	6.5	-	-	7.6	-	4.6
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.5	8.1	30.0	6.5		95.8	8.4		4.2	
							Middle	2nd	26.4	8.1	30.0	6.5		95.8	6.8		4.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-26	Mid-Ebb	IS(Mf)6	Cloudy	Calm	14:05	2.3	Surface	1st	-	-	-	-	6.5	-	-	5.1	-	8.3
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.4	8.2	29.9	6.5		95.0	5.1		8.6	
							Middle	2nd	26.4	8.1	29.9	6.5		95.0	5.1		8.0	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-26	Mid-Ebb	IS5	Cloudy	Calm	14:12	8.3	Surface	1st	26.5	8.2	29.3	6.5	6.5	95.8	3.5	3.6	8.4	7.5
							Surface	2nd	26.5	8.1	29.3	6.5		95.9	3.5		8.0	
							Middle	1st	26.5	8.2	29.6	6.5		95.3	3.6		7.5	
							Middle	2nd	26.5	8.1	29.6	6.5		95.3	3.6		7.2	
							Bottom	1st	26.5	8.2	29.6	6.5	6.5	95.2	3.8		7.4	
							Bottom	2nd	26.5	8.1	29.7	6.5		95.2	3.8		6.6	
2018-10-26	Mid-Ebb	SR3(N)	Cloudy	Calm	14:19	3.6	Surface	1st	26.8	8.2	29.3	6.7	6.7	98.8	4.0	4.1	7.4	9.5
							Surface	2nd	26.8	8.1	29.3	6.7		98.7	4.0		7.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.8	8.2	29.4	6.8	6.8	99.4	4.1		12.2	
							Bottom	2nd	26.8	8.1	29.4	6.7		99.3	4.1		10.7	
2018-10-26	Mid-Flood	SR10A(N)	Fine	Moderate	19:44	12.3	Surface	1st	26.3	8.0	30.6	5.8	5.8	85.7	4.9	5.4	4.7	4.3
							Surface	2nd	26.3	8.0	30.6	5.8		85.8	5.0		4.0	
							Middle	1st	26.3	8.0	30.7	5.8		85.6	5.3		4.3	
							Middle	2nd	26.3	8.0	30.7	5.8		85.6	5.5		4.3	
							Bottom	1st	26.3	8.0	30.7	5.9	5.9	86.2	5.8		4.0	
							Bottom	2nd	26.3	8.0	30.7	5.8		86.0	5.9		4.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-26	Mid-Flood	SR10B(N2)	Fine	Moderate	19:50	6.5	Surface	1st	26.3	8.0	31.0	5.8	5.9	85.6	5.1	5.2	6.1	5.1
							Surface	2nd	26.3	8.0	31.0	5.8		85.6	5.2		6.8	
							Middle	1st	26.3	8.0	31.0	5.9		86.9	5.0		4.4	
							Middle	2nd	26.3	8.0	31.0	5.9		86.7	5.1		4.2	
							Bottom	1st	26.3	8.0	31.0	6.1	6.1	89.3	5.3		4.8	
							Bottom	2nd	26.3	8.0	31.0	6.0		88.7	5.4		4.3	
2018-10-26	Mid-Flood	CSA	Cloudy	Moderate	19:30	32.6	Surface	1st	26.5	8.2	29.5	6.1	6.0	89.0	4.1	7.3	4.3	3.8
							Surface	2nd	26.5	8.2	29.5	6.1		89.0	4.0		4.2	
							Middle	1st	26.4	8.2	30.4	5.8		85.8	8.8		3.7	
							Middle	2nd	26.4	8.2	30.4	5.8		85.8	8.8		4.0	
							Bottom	1st	26.4	8.2	30.4	5.8	5.8	85.7	9.1		2.9	
							Bottom	2nd	26.4	8.2	30.4	5.8		85.7	9.1		3.5	
2018-10-26	Mid-Flood	CS6	Cloudy	Moderate	19:20	9.3	Surface	1st	26.5	8.1	29.1	6.1	6.1	88.9	6.1	10.4	4.3	4.3
							Surface	2nd	26.5	8.1	29.1	6.1		88.9	6.0		4.1	
							Middle	1st	26.5	8.1	29.7	6.0		88.0	10.0		4.4	
							Middle	2nd	26.5	8.1	29.7	6.0		88.0	9.8		4.4	
							Bottom	1st	26.4	8.1	30.0	6.0	6.0	87.9	15.1		4.6	
							Bottom	2nd	26.4	8.1	30.0	6.0		87.9	15.2		3.8	
2018-10-26	Mid-Flood	CS4	Cloudy	Rough	18:19	17.3	Surface	1st	26.7	8.1	27.6	6.1	6.1	88.3	4.2	6.1	4.9	4.8
							Surface	2nd	26.7	8.1	27.6	6.1		88.3	4.2		4.1	
							Middle	1st	26.5	8.1	28.5	6.0		87.5	6.5		4.8	
							Middle	2nd	26.5	8.1	28.5	6.0		87.6	6.4		4.5	
							Bottom	1st	26.4	8.1	29.3	6.0	6.0	87.9	7.5		5.1	
							Bottom	2nd	26.4	8.1	29.3	6.0		87.9	7.5		5.1	
2018-10-26	Mid-Flood	SR6	Cloudy	Rough	17:50	4.5	Surface	1st	26.6	8.1	27.8	6.1	6.1	89.5	14.5	16.8	22.0	22.9
							Surface	2nd	26.6	8.1	27.8	6.1		89.3	14.3		23.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.1	28.2	6.4	6.4	93.2	19.0		23.1	
							Bottom	2nd	26.6	8.1	28.2	6.4		93.1	19.2		22.9	
2018-10-26	Mid-Flood	CS(Mf)3(N)	Cloudy	Rough	18:06	7.2	Surface	1st	26.9	8.0	25.9	6.1	6.1	88.3	5.1	7.5	6.7	8.8
							Surface	2nd	26.9	8.0	25.9	6.1		88.3	5.1		6.8	
							Middle	1st	26.9	8.0	26.0	6.1		88.5	7.6		8.1	
							Middle	2nd	26.9	8.0	26.0	6.1		88.5	7.5		9.3	
							Bottom	1st	26.9	8.0	26.1	6.2	6.2	89.1	9.9		10.8	
							Bottom	2nd	26.9	8.0	26.1	6.1		89.0	9.8		11.2	
2018-10-26	Mid-Flood	SR5(N)	Cloudy	Moderate	18:41	9.4	Surface	1st	26.9	8.1	27.8	6.3	6.3	92.6	4.5	10.9	4.7	3.8
							Surface	2nd	26.9	8.1	27.8	6.3		92.6	4.4		4.1	
							Middle	1st	26.8	8.2	28.5	6.3		92.6	12.7		4.0	
							Middle	2nd	26.8	8.2	28.5	6.3		92.6	12.5		3.9	
							Bottom	1st	26.7	8.1	28.7	6.3	6.3	92.7	15.4		2.9	
							Bottom	2nd	26.7	8.2	28.7	6.3		92.7	16.0		3.2	
2018-10-26	Mid-Flood	IS10(N)	Cloudy	Moderate	18:46	12.3	Surface	1st	26.7	8.1	28.2	6.4	6.4	93.4	3.9	5.4	5.4	4.8
							Surface	2nd	26.7	8.1	28.2	6.4		93.4	3.9		4.8	
							Middle	1st	26.6	8.2	29.0	6.4		93.6	5.7		4.4	
							Middle	2nd	26.6	8.2	29.0	6.4		93.6	5.6		5.3	
							Bottom	1st	26.6	8.2	29.3	6.4	6.4	93.3	6.6		4.3	
							Bottom	2nd	26.6	8.2	29.3	6.4		93.3	6.6		4.5	
2018-10-26	Mid-Flood	IS(Mf)11	Cloudy	Moderate	18:52	11.0	Surface	1st	26.6	8.2	29.0	6.5	6.5	94.6	5.9	6.4	6.4	8.2
							Surface	2nd	26.6	8.2	29.0	6.5		94.6	5.9		6.8	
							Middle	1st	26.6	8.2	29.2	6.4		94.5	6.5		8.3	
							Middle	2nd	26.6	8.2	29.2	6.4		94.6	6.4		8.7	
							Bottom	1st	26.6	8.2	29.3	6.4	6.4	94.3	6.7		9.2	
							Bottom	2nd	26.6	8.2	29.3	6.4		94.3	6.7		9.7	
2018-10-26	Mid-Flood	CS(Mf)5	Fine	Moderate	19:11	11.7	Surface	1st	26.5	8.1	29.2	6.1	6.1	90.0	4.2	6.6	9.8	7.9
							Surface	2nd	26.5	8.1	29.2	6.1		89.9	4.4		8.3	
							Middle	1st	26.4	8.1	29.9	6.0		88.6	7.8		8.9	
							Middle	2nd	26.5	8.0	29.8	6.1		88.9	7.4		8.6	
							Bottom	1st	26.4	8.1	30.1	6.0	6.0	88.3	7.9		6.3	
							Bottom	2nd	26.4	8.0	30.2	6.0		88.2	8.0		5.5	
2018-10-26	Mid-Flood	SR7	Cloudy	Moderate	19:00	4.4	Surface	1st	26.6	8.2	29.0	6.3	6.3	92.0	9.8	10.4	12.8	14.2
							Surface	2nd	26.6	8.2	29.0	6.3		92.0	9.7		13.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.2	29.0	6.3	6.3	92.3	11.0		15.0	
							Bottom	2nd	26.6	8.2	29.0	6.3		92.2	10.9		15.1	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-26	Mid-Flood	IS17	Fine	Calm	18:48	9.0	Surface	1st	26.6	8.1	28.8	6.3	6.3	92.1	4.3	4.6	6.6	7.2
							Surface	2nd	26.6	8.0	28.8	6.3		92.2	4.3		7.9	
							Middle	1st	26.5	8.1	29.0	6.3		91.8	4.5		7.5	
							Middle	2nd	26.6	8.0	29.0	6.3		91.8	4.7		6.7	
							Bottom	1st	26.5	8.2	29.1	6.4	6.4	93.3	4.7		7.1	
							Bottom	2nd	26.5	8.1	29.1	6.3		92.9	4.8		7.1	
2018-10-26	Mid-Flood	IS(Mf)16	Fine	Calm	18:42	5.4	Surface	1st	26.5	8.2	29.3	6.5	6.5	94.6	6.6	6.6	10.6	12.5
							Surface	2nd	26.5	8.1	29.3	6.4		94.5	6.7		10.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.2	29.7	6.5	6.5	95.6	6.5		14.5	
							Bottom	2nd	26.6	8.1	29.7	6.5		95.7	6.6		14.7	
2018-10-26	Mid-Flood	IS8	Fine	Calm	18:25	3.8	Surface	1st	26.6	8.2	29.7	6.5	6.5	96.1	4.3	4.3	13.0	11.5
							Surface	2nd	26.6	8.1	29.7	6.5		96.2	4.4		15.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.6	8.2	29.7	6.5	6.5	95.8	4.2		8.6	
							Bottom	2nd	26.6	8.1	29.7	6.5		95.9	4.4		9.5	
2018-10-26	Mid-Flood	SR4(N)	Fine	Calm	18:30	3.2	Surface	1st	26.7	8.2	29.7	6.6	6.6	96.7	3.9	4.0	6.4	6.8
							Surface	2nd	26.7	8.1	29.7	6.6		96.8	4.0		6.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.7	8.2	29.7	6.5	6.5	96.2	3.9		7.5	
							Bottom	2nd	26.7	8.1	29.7	6.5		96.3	4.0		6.7	
2018-10-26	Mid-Flood	IS(Mf)9	Fine	Calm	18:18	3.0	Surface	1st	26.5	8.2	29.9	6.6	6.6	96.8	3.4	3.8	6.8	6.2
							Surface	2nd	26.5	8.1	29.9	6.6		96.8	3.4		6.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	29.9	6.6	6.6	96.4	4.1		5.4	
							Bottom	2nd	26.5	8.1	29.9	6.6		96.5	4.3		5.9	
2018-10-26	Mid-Flood	IS7	Cloudy	Calm	18:10	2.6	Surface	1st	-	-	-	-	6.5	-	-	3.9	-	6.3
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.6	8.2	29.6	6.5		95.5	3.8		6.3	
							Middle	2nd	26.6	8.1	29.6	6.5		95.5	3.9		6.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-26	Mid-Flood	IS(Mf)6	Cloudy	Calm	18:02	2.3	Surface	1st	-	-	-	-	6.5	-	-	6.3	-	7.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	26.6	8.2	29.5	6.5		95.3	6.2		7.9	
							Middle	2nd	26.6	8.0	29.5	6.5		95.2	6.3		7.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-26	Mid-Flood	IS5	Cloudy	Calm	17:55	8.0	Surface	1st	26.6	8.2	29.9	6.6	6.6	96.9	3.6	4.6	9.7	8.5
							Surface	2nd	26.6	8.1	29.9	6.6		96.9	3.8		8.7	
							Middle	1st	26.6	8.2	29.9	6.6		96.7	5.1		8.6	
							Middle	2nd	26.6	8.1	29.9	6.6		96.7	5.2		7.6	
							Bottom	1st	26.6	8.2	29.9	6.6	6.6	96.5	4.8		8.0	
							Bottom	2nd	26.6	8.1	29.9	6.6		96.5	4.9		8.5	
2018-10-26	Mid-Flood	SR3(N)	Cloudy	Calm	17:50	3.2	Surface	1st	26.5	8.2	29.8	6.5	6.5	95.3	4.7	5.5	8.4	7.2
							Surface	2nd	26.5	8.1	29.8	6.5		95.3	4.9		7.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.5	8.2	29.8	6.5	6.5	95.3	6.2		6.0	
							Bottom	2nd	26.5	8.1	29.8	6.5		95.3	6.3		6.3	
2018-10-29	Mid-Ebb	SR10A(N)	Sunny	Calm	16:19	13.2	Surface	1st	26.0	8.2	29.5	5.8	5.8	84.4	2.3	2.6	3.2	2.5
							Surface	2nd	26.0	8.1	30.1	5.7		83.8	2.4		3.9	
							Middle	1st	26.0	8.2	29.6	5.8		84.3	2.5		2.5	
							Middle	2nd	26.0	8.1	30.2	5.7		83.7	2.9		2.3	
							Bottom	1st	26.0	8.2	29.6	5.8	5.8	84.7	2.8		1.3	
							Bottom	2nd	26.0	8.1	30.2	5.8		84.3	2.7		1.6	
2018-10-29	Mid-Ebb	SR10B(N2)	Sunny	Calm	16:23	6.2	Surface	1st	26.0	8.2	29.7	5.8	5.8	84.2	2.5	2.6	2.0	2.0
							Surface	2nd	26.0	8.2	30.3	5.7		83.6	2.6		1.5	
							Middle	1st	26.0	8.2	29.8	5.8		84.5	2.6		2.5	
							Middle	2nd	26.0	8.2	30.4	5.7		83.8	2.6		2.6	
							Bottom	1st	26.0	8.2	29.8	5.8	5.8	85.1	2.8		1.6	
							Bottom	2nd	26.0	8.2	30.4	5.8		84.9	2.7		1.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-29	Mid-Ebb	CSA	Fine	Moderate	15:58	32.5	Surface	1st	26.2	8.2	29.8	6.3	6.3	92.4	2.6	4.7	2.4	2.6
							Surface	2nd	26.2	8.2	29.8	6.3		92.4	2.6		2.4	
							Middle	1st	26.2	8.2	30.1	6.2		91.0	4.6		2.4	
							Middle	2nd	26.2	8.2	30.2	6.2		90.6	4.8		2.8	
							Bottom	1st	26.2	8.2	30.5	6.1	6.1	89.0	6.7		3.0	
							Bottom	2nd	26.2	8.2	30.6	6.0		88.6	6.8		2.7	
2018-10-29	Mid-Ebb	CS6	Fine	Moderate	15:48	9.2	Surface	1st	26.2	8.2	29.7	6.5	6.4	94.5	3.4	4.5	2.1	1.9
							Surface	2nd	26.2	8.2	29.8	6.4		94.1	3.5		1.8	
							Middle	1st	26.2	8.2	30.3	6.4		94.1	4.6		1.7	
							Middle	2nd	26.2	8.2	30.3	6.4		94.2	4.7		1.8	
							Bottom	1st	26.2	8.2	30.5	6.5	6.6	95.2	5.2		1.5	
							Bottom	2nd	26.2	8.2	30.4	6.7		97.6	5.3		2.3	
2018-10-29	Mid-Ebb	CS4	Fine	Moderate	14:55	16.4	Surface	1st	25.9	8.2	28.1	6.6	6.5	94.8	1.3	3.3	2.0	2.5
							Surface	2nd	25.9	8.2	28.1	6.6		94.8	1.4		2.1	
							Middle	1st	25.8	8.2	29.2	6.5		93.4	3.7		2.3	
							Middle	2nd	25.8	8.2	29.2	6.4		93.3	3.8		2.9	
							Bottom	1st	25.9	8.2	29.6	6.4	6.5	93.7	4.3		2.9	
							Bottom	2nd	25.9	8.2	29.6	6.5		94.3	5.2		2.5	
2018-10-29	Mid-Ebb	SR6	Fine	Moderate	14:25	4.2	Surface	1st	25.8	8.2	29.5	7.0	7.0	101.1	4.1	4.0	5.4	5.6
							Surface	2nd	25.8	8.2	29.5	7.0		101.1	4.1		6.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.7	8.2	29.6	7.0	7.0	101.5	3.9		5.7	
							Bottom	2nd	25.6	8.2	29.7	7.0		101.1	4.0		5.1	
2018-10-29	Mid-Ebb	CS(Mf)3(N)	Fine	Moderate	14:41	7.3	Surface	1st	26.0	8.2	27.2	6.8	6.8	97.0	3.4	7.3	5.3	4.1
							Surface	2nd	26.0	8.2	27.2	6.8		97.0	3.5		5.4	
							Middle	1st	25.9	8.2	27.4	6.8		96.9	6.9		4.8	
							Middle	2nd	25.9	8.2	27.3	6.8		96.9	7.1		4.7	
							Bottom	1st	25.7	8.2	29.3	6.7	6.7	96.6	11.3		2.6	
							Bottom	2nd	25.7	8.2	29.3	6.7		96.8	11.3		1.8	
2018-10-29	Mid-Ebb	SR5(N)	Fine	Moderate	15:13	9.2	Surface	1st	26.0	8.2	29.4	6.6	6.6	96.3	4.1	6.0	3.6	3.0
							Surface	2nd	26.0	8.2	29.4	6.6		96.1	4.2		2.6	
							Middle	1st	25.9	8.2	29.4	6.6		95.4	6.5		2.7	
							Middle	2nd	25.9	8.2	29.4	6.6		95.4	6.9		3.1	
							Bottom	1st	25.9	8.2	29.4	6.6	6.7	96.1	7.1		3.1	
							Bottom	2nd	25.9	8.2	29.4	6.7		96.5	7.2		3.1	
2018-10-29	Mid-Ebb	IS10(N)	Fine	Moderate	15:19	12.5	Surface	1st	26.0	8.2	28.9	6.7	6.7	96.9	3.2	5.1	3.4	2.8
							Surface	2nd	26.0	8.2	28.9	6.7		96.9	3.6		4.2	
							Middle	1st	25.9	8.2	29.2	6.6		95.6	5.1		2.5	
							Middle	2nd	25.9	8.2	29.2	6.6		95.6	5.2		2.8	
							Bottom	1st	25.9	8.2	29.4	6.7	6.7	96.5	6.8		2.1	
							Bottom	2nd	25.9	8.2	29.4	6.7		96.9	6.9		1.8	
2018-10-29	Mid-Ebb	IS(Mf)11	Fine	Moderate	15:23	11.0	Surface	1st	26.0	8.2	28.9	6.7	6.6	96.6	1.9	4.1	2.2	2.5
							Surface	2nd	26.0	8.2	28.9	6.6		96.1	2.1		3.0	
							Middle	1st	25.8	8.2	29.3	6.5		94.2	4.1		1.9	
							Middle	2nd	25.8	8.2	29.3	6.5		94.4	4.6		2.3	
							Bottom	1st	25.8	8.2	29.3	6.6	6.6	95.5	5.7		3.5	
							Bottom	2nd	25.8	8.2	29.3	6.6		96.1	5.9		2.1	
2018-10-29	Mid-Ebb	CS(Mf)5	Sunny	Moderate	15:47	12.8	Surface	1st	26.1	8.2	29.0	5.9	5.8	85.8	2.5	2.8	4.0	2.6
							Surface	2nd	26.1	8.2	29.6	5.8		85.3	2.6		3.4	
							Middle	1st	26.0	8.2	29.4	5.7		82.7	2.6		2.1	
							Middle	2nd	26.0	8.1	30.0	5.6		82.1	2.7		2.6	
							Bottom	1st	25.9	8.2	29.6	5.7	5.7	82.3	3.1		1.9	
							Bottom	2nd	25.9	8.1	30.2	5.6		81.7	3.2		1.4	
2018-10-29	Mid-Ebb	SR7	Fine	Moderate	15:29	4.3	Surface	1st	26.0	8.2	29.3	6.8	6.8	98.1	2.3	3.0	1.6	2.1
							Surface	2nd	26.0	8.2	29.3	6.8		98.1	2.4		1.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.2	29.3	6.9	6.9	99.8	3.5		2.0	
							Bottom	2nd	25.9	8.2	29.4	6.9		100.3	3.8		2.9	
2018-10-29	Mid-Ebb	IS17	Sunny	Calm	15:29	10.2	Surface	1st	25.8	8.2	28.4	6.1	6.1	88.1	4.0	4.5	3.8	3.4
							Surface	2nd	25.8	8.2	29.0	6.0		87.4	4.3		3.3	
							Middle	1st	25.8	8.2	28.4	6.1		88.1	4.3		3.4	
							Middle	2nd	25.8	8.2	29.0	6.0		87.4	4.6		2.8	
							Bottom	1st	25.8	8.2	28.5	6.2	6.2	88.9	4.9		3.7	
							Bottom	2nd	25.8	8.2	29.1	6.1		88.7	4.6		3.6	

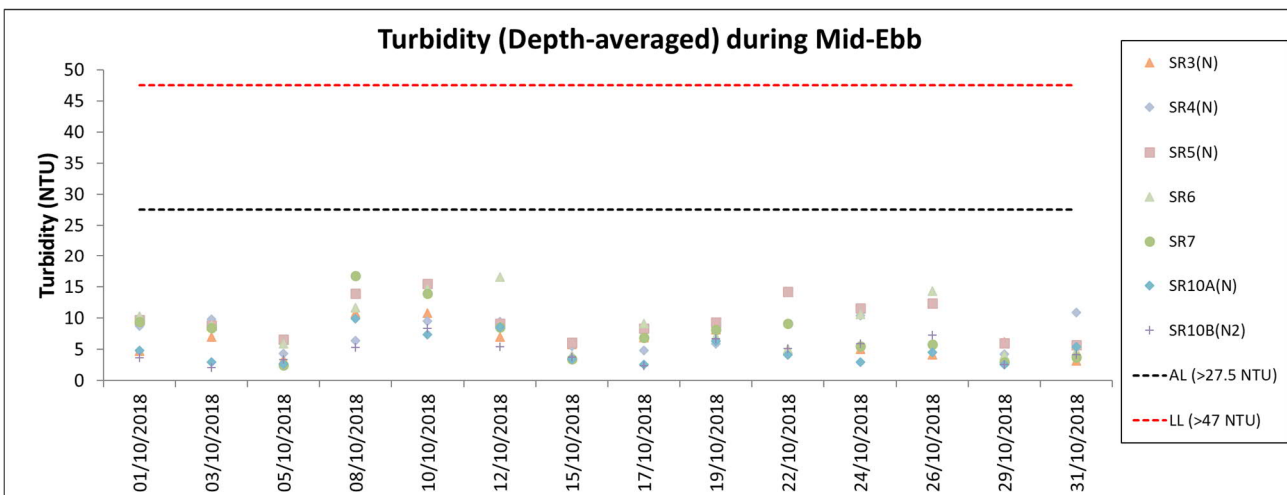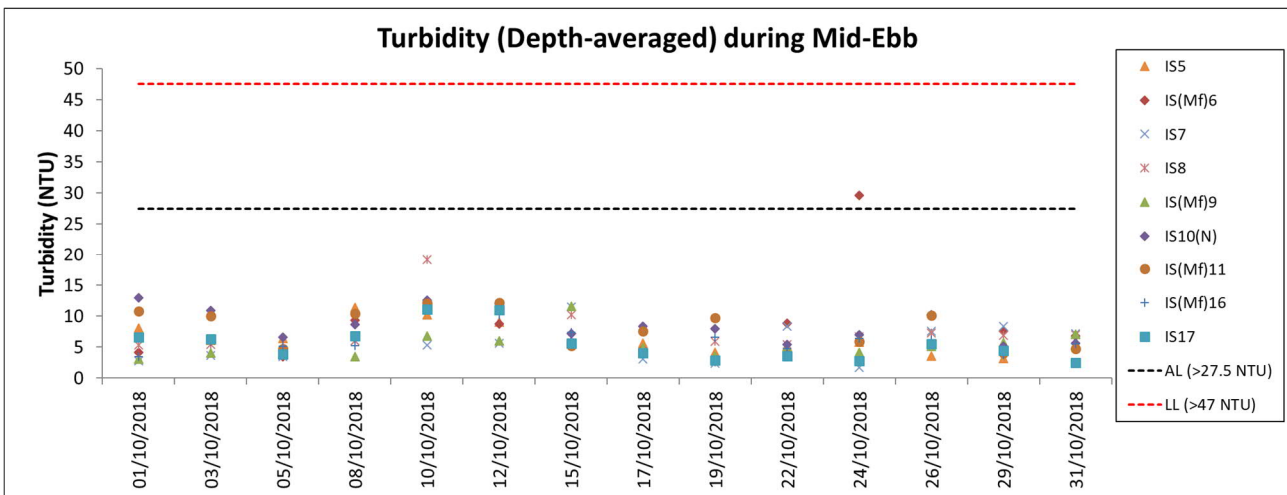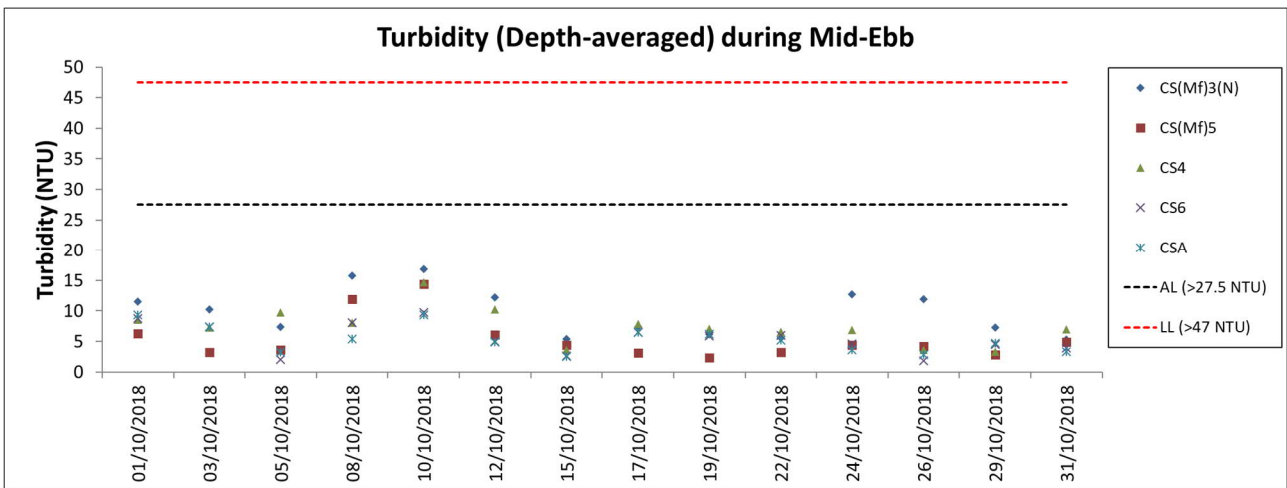| Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS (mg/L)	SS (mg/L) (depth-averaged)
2018-10-29	Mid-Ebb	IS(Mf)16	Sunny	Calm	15:21	5.6	Surface	1st	25.8	8.2	28.5	6.2	6.2	89.4	3.8	3.8	3.3	3.1
							Surface	2nd	25.8	8.2	29.0	6.1		88.6	3.7		3.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.8	8.2	28.5	6.2	6.2	89.2	3.8		2.6	
							Bottom	2nd	25.8	8.2	29.1	6.2		88.9	3.7		3.1	
2018-10-29	Mid-Ebb	IS8	Sunny	Calm	14:58	4.4	Surface	1st	25.9	8.2	28.4	6.5	6.5	94.5	4.2	6.9	6.6	7.5
							Surface	2nd	25.9	8.2	29.0	6.5		93.7	4.4		6.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.2	28.4	6.8	6.8	97.5	9.3		8.6	
							Bottom	2nd	25.7	8.2	29.1	6.7		96.7	9.5		7.8	
2018-10-29	Mid-Ebb	SR4(N)	Sunny	Calm	15:05	5.4	Surface	1st	26.2	8.2	28.3	6.3	6.3	91.9	4.0	4.2	3.5	4.5
							Surface	2nd	26.2	8.2	28.9	6.3		91.2	4.3		3.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.2	8.2	28.3	6.3	6.3	91.6	4.2		5.8	
							Bottom	2nd	26.2	8.2	28.9	6.3		90.9	4.2		5.3	
2018-10-29	Mid-Ebb	IS(Mf)9	Sunny	Calm	14:49	4.1	Surface	1st	26.0	8.2	28.4	6.3	6.3	91.0	4.9	5.7	4.0	4.3
							Surface	2nd	26.1	8.2	29.0	6.2		90.2	4.9		4.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.2	28.4	6.3	6.3	91.6	6.7		4.6	
							Bottom	2nd	25.9	8.2	29.0	6.3		90.7	6.3		3.7	
2018-10-29	Mid-Ebb	IS7	Sunny	Calm	14:42	4.1	Surface	1st	26.1	8.2	28.4	6.8	6.8	97.7	7.1	8.4	3.7	4.7
							Surface	2nd	26.1	8.2	29.0	6.7		97.0	7.4		4.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	26.0	8.2	28.4	6.7	6.7	96.5	9.6		5.4	
							Bottom	2nd	26.0	8.2	29.0	6.6		95.9	9.3		5.3	
2018-10-29	Mid-Ebb	IS(Mf)6	Sunny	Calm	14:36	2.7	Surface	1st	-	-	-	-	6.5	-	-	7.6	-	6.2
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.8	8.2	28.5	6.4		92.7	7.6		6.0	
							Middle	2nd	25.8	8.2	29.1	6.5		94.5	7.6		6.3	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-29	Mid-Ebb	IS5	Sunny	Calm	14:30	9.5	Surface	1st	25.8	8.2	28.6	6.3	6.2	90.2	3.2	3.2	4.1	4.2
							Surface	2nd	25.8	8.2	29.2	6.2		89.5	3.3		3.6	
							Middle	1st	25.7	8.2	28.6	6.2		89.1	3.2		4.4	
							Middle	2nd	25.7	8.2	29.2	6.1		88.4	3.2		4.1	
							Bottom	1st	25.6	8.2	28.6	6.2	6.2	89.2	3.1		4.9	
							Bottom	2nd	25.6	8.2	29.2	6.1		88.5	3.3		3.9	
2018-10-29	Mid-Ebb	SR3(N)	Sunny	Calm	14:25	4.2	Surface	1st	25.9	8.2	28.6	6.4	6.4	92.6	5.8	6.2	6.1	5.0
							Surface	2nd	25.9	8.2	29.2	6.3		91.8	5.7		5.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.8	8.2	28.6	6.4	6.4	92.1	6.8		4.1	
							Bottom	2nd	25.8	8.2	29.2	6.3		91.4	6.5		4.0	
2018-10-29	Mid-Flood	SR10A(N)	Sunny	Moderate	9:45	12.4	Surface	1st	25.9	8.1	29.4	6.1	6.1	88.1	3.2	3.5	5.1	4.7
							Surface	2nd	25.9	8.0	30.0	6.0		87.7	3.2		4.0	
							Middle	1st	25.9	8.1	29.5	6.1		87.9	3.8		4.1	
							Middle	2nd	25.9	8.0	30.1	6.0		87.5	3.8		4.8	
							Bottom	1st	25.9	8.1	29.5	6.1	6.1	88.0	3.8		4.8	
							Bottom	2nd	25.9	8.0	30.1	6.0		87.5	3.4		5.3	
2018-10-29	Mid-Flood	SR10B(N2)	Sunny	Moderate	9:55	5.8	Surface	1st	25.9	8.1	29.9	6.0	6.0	87.9	4.3	4.3	8.5	7.5
							Surface	2nd	25.9	8.0	30.5	6.0		87.4	4.4		7.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.9	8.1	29.9	6.1	6.1	88.6	4.3		7.4	
							Bottom	2nd	25.9	8.0	30.5	6.1		88.5	4.1		6.2	
2018-10-29	Mid-Flood	CSA	Sunny	Moderate	9:44	33.0	Surface	1st	25.9	8.2	29.3	6.3	6.2	91.9	1.8	2.3	3.0	2.4
							Surface	2nd	25.9	8.2	29.3	6.3		91.9	1.8		2.2	
							Middle	1st	26.0	8.2	29.8	6.0		87.7	2.5		2.1	
							Middle	2nd	26.0	8.2	29.7	6.0		88.1	2.2		2.3	
							Bottom	1st	26.1	8.2	30.4	5.9	5.9	87.0	2.7		2.5	
							Bottom	2nd	26.1	8.2	30.5	5.9		86.7	2.8		2.2	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-29	Mid-Flood	CS6	Sunny	Moderate	9:56	9.0	Surface	1st	25.9	8.2	29.1	6.4	6.4	93.4	1.9	4.1	4.2	3.7
							Surface	2nd	25.9	8.2	29.1	6.4		93.5	1.9		4.1	
							Middle	1st	25.9	8.2	29.2	6.4		92.2	3.3		3.7	
							Middle	2nd	25.9	8.2	29.2	6.4		92.3	3.2		3.4	
							Bottom	1st	26.1	8.2	29.9	6.3	6.3	92.3	7.3		3.3	
							Bottom	2nd	26.1	8.2	29.9	6.3		92.2	7.2		3.4	
2018-10-29	Mid-Flood	CS4	Sunny	Moderate	10:49	16.3	Surface	1st	26.0	8.2	29.1	6.4	6.4	92.7	4.5	9.4	3.4	5.6
							Surface	2nd	26.0	8.2	29.1	6.4		92.8	4.4		3.5	
							Middle	1st	26.0	8.2	29.3	6.3		91.1	9.8		5.4	
							Middle	2nd	26.0	8.2	29.2	6.3		91.2	9.6		5.4	
							Bottom	1st	26.0	8.2	29.4	6.3	6.3	91.6	13.7		8.9	
							Bottom	2nd	26.0	8.2	29.4	6.3		91.3	14.5		7.2	
2018-10-29	Mid-Flood	SR6	Sunny	Moderate	11:20	4.3	Surface	1st	25.7	8.2	29.0	6.7	6.7	96.1	12.8	15.5	3.9	3.2
							Surface	2nd	25.7	8.2	28.9	6.7		96.0	11.7		2.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.6	8.2	29.1	6.7	6.7	97.1	19.8		3.0	
							Bottom	2nd	25.7	8.2	29.1	6.7		96.6	17.5		2.9	
2018-10-29	Mid-Flood	CS(Mf)3(N)	Sunny	Moderate	11:01	7.2	Surface	1st	25.8	8.2	27.0	6.5	6.5	92.4	6.5	9.0	1.8	2.6
							Surface	2nd	25.8	8.1	26.9	6.5		92.4	6.9		2.0	
							Middle	1st	25.8	8.2	27.4	6.5		92.5	9.5		2.6	
							Middle	2nd	25.8	8.2	27.4	6.5		92.5	9.5		3.1	
							Bottom	1st	25.8	8.2	27.9	6.5	6.5	93.1	10.7		3.0	
							Bottom	2nd	25.8	8.2	27.9	6.4		92.7	10.8		2.9	
2018-10-29	Mid-Flood	SR5(N)	Sunny	Moderate	10:31	9.4	Surface	1st	25.7	8.2	29.4	6.5	6.5	94.1	14.7	15.0	6.2	7.6
							Surface	2nd	25.7	8.2	29.4	6.5		94.1	13.2		7.4	
							Middle	1st	25.7	8.2	29.4	6.5		94.3	15.4		7.8	
							Middle	2nd	25.7	8.2	29.4	6.5		94.2	14.3		7.5	
							Bottom	1st	25.7	8.2	29.4	6.6	6.6	95.1	16.9		8.9	
							Bottom	2nd	25.7	8.2	29.4	6.6		95.1	15.7		7.5	
2018-10-29	Mid-Flood	IS10(N)	Sunny	Moderate	10:26	12.5	Surface	1st	25.7	8.2	29.2	6.5	6.5	94.2	7.0	8.7	6.8	7.2
							Surface	2nd	25.7	8.2	29.2	6.5		94.2	7.1		6.5	
							Middle	1st	25.7	8.2	29.2	6.5		94.2	8.4		7.4	
							Middle	2nd	25.7	8.2	29.2	6.5		94.2	8.3		7.6	
							Bottom	1st	25.7	8.2	29.2	6.6	6.6	94.8	10.6		7.7	
							Bottom	2nd	25.7	8.2	29.2	6.6		94.7	10.6		7.4	
2018-10-29	Mid-Flood	IS(Mf)11	Sunny	Moderate	10:21	11.2	Surface	1st	25.7	8.2	29.2	6.5	6.5	93.6	5.4	7.6	3.1	3.2
							Surface	2nd	25.7	8.2	29.2	6.5		93.7	5.2		3.1	
							Middle	1st	25.7	8.2	29.2	6.5		93.4	6.8		3.0	
							Middle	2nd	25.7	8.2	29.2	6.5		93.4	6.8		2.5	
							Bottom	1st	25.7	8.2	29.2	6.5	6.5	94.2	10.8		3.7	
							Bottom	2nd	25.7	8.2	29.2	6.5		94.1	10.7		4.0	
2018-10-29	Mid-Flood	CS(Mf)5	Sunny	Moderate	10:23	12.6	Surface	1st	25.8	8.1	28.7	6.2	6.1	90.3	4.1	7.8	7.9	6.0
							Surface	2nd	25.8	8.1	29.3	6.2		90.5	4.3		8.1	
							Middle	1st	25.9	8.1	29.2	6.1		88.5	8.6		4.9	
							Middle	2nd	25.9	8.1	29.8	6.0		88.0	8.5		5.2	
							Bottom	1st	26.0	8.1	29.2	6.1	6.1	88.5	10.9		4.4	
							Bottom	2nd	26.0	8.1	29.8	6.0		88.1	10.6		5.4	
2018-10-29	Mid-Flood	SR7	Sunny	Moderate	10:14	4.3	Surface	1st	25.8	8.2	28.9	6.6	6.6	95.0	3.2	3.5	5.7	5.9
							Surface	2nd	25.8	8.2	28.9	6.6		95.0	3.2		5.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.8	8.2	29.1	6.6	6.6	95.7	3.9		6.3	
							Bottom	2nd	25.8	8.2	29.0	6.6		95.4	3.8		6.2	
2018-10-29	Mid-Flood	IS17	Sunny	Moderate	10:40	10.8	Surface	1st	25.7	8.1	28.4	6.6	6.5	94.2	4.1	5.2	14.1	11.4
							Surface	2nd	25.7	8.1	29.0	6.5		93.7	4.8		15.0	
							Middle	1st	25.7	8.1	28.4	6.5		93.9	5.1		10.3	
							Middle	2nd	25.7	8.1	29.0	6.5		93.4	4.9		11.0	
							Bottom	1st	25.6	8.1	28.5	6.6	6.6	94.3	6.2		8.9	
							Bottom	2nd	25.6	8.1	29.0	6.6		94.6	6.0		9.1	
2018-10-29	Mid-Flood	IS(Mf)16	Sunny	Moderate	10:47	5.4	Surface	1st	25.6	8.1	28.4	6.7	6.7	95.8	4.7	4.6	9.1	9.2
							Surface	2nd	25.7	8.2	29.0	6.6		95.2	4.9		8.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.6	8.1	28.4	6.7	6.7	96.1	4.3		9.8	
							Bottom	2nd	25.6	8.2	29.0	6.6		95.4	4.4		9.2	

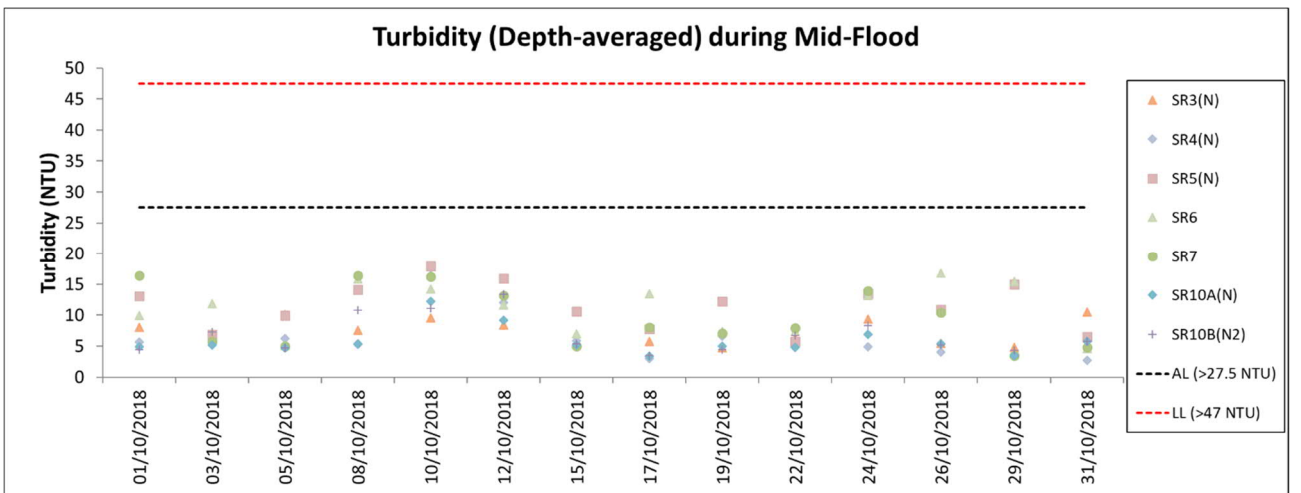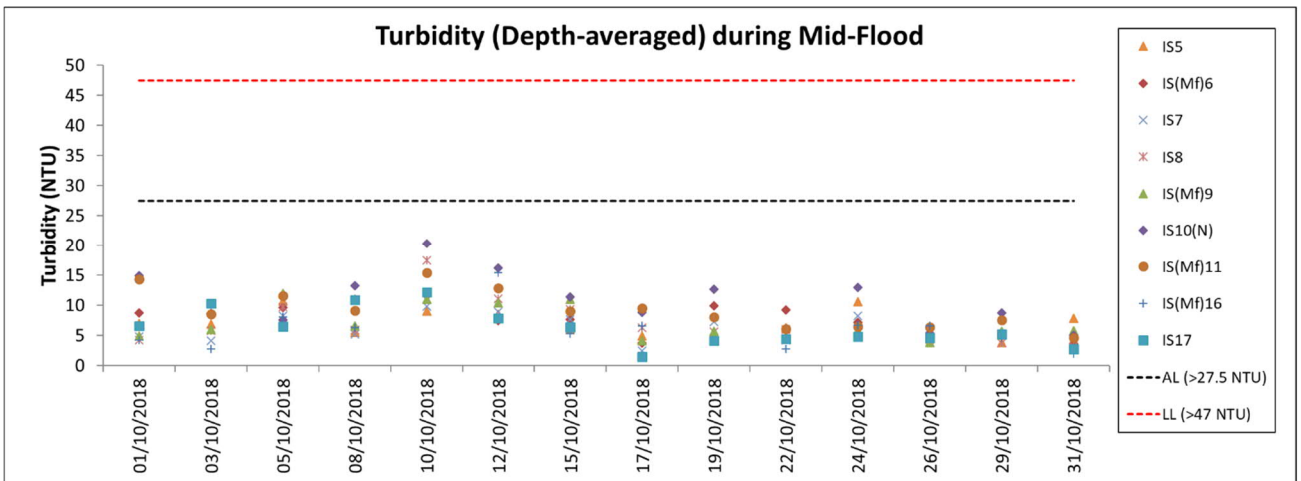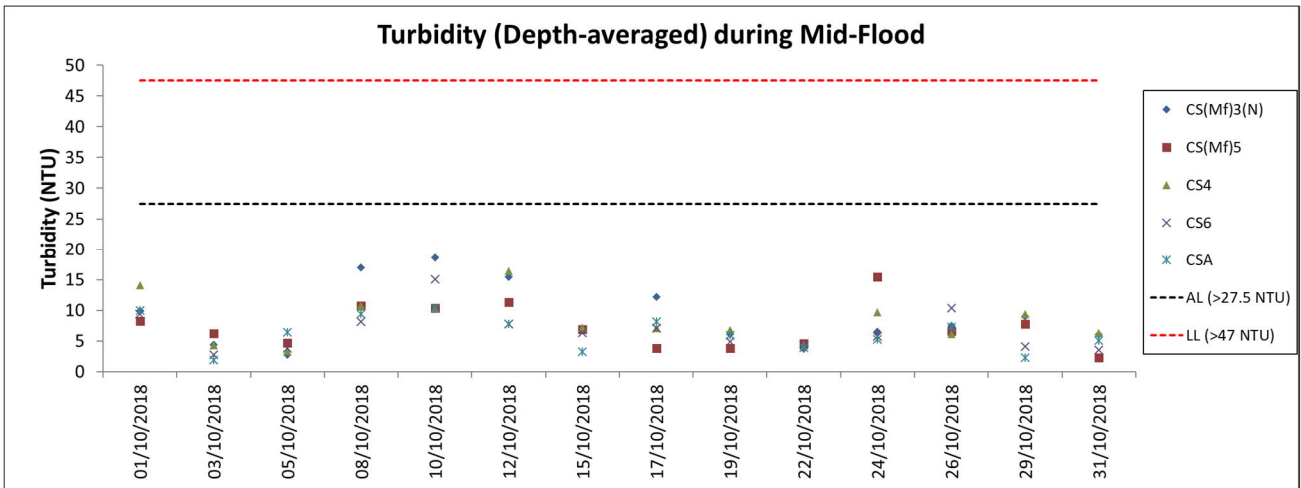| Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS (mg/L)	SS (mg/L) (depth-averaged)
2018-10-29	Mid-Flood	IS8	Sunny	Calm	11:08	3.5	Surface	1st	25.7	8.1	28.3	6.7	6.7	96.0	3.7	3.7	4.5	5.0
							Surface	2nd	25.7	8.2	28.9	6.6		95.3	3.6		5.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.7	8.1	28.4	6.7	6.7	96.8	3.7		5.4	
							Bottom	2nd	25.8	8.2	29.0	6.7		97.2	3.8		5.0	
2018-10-29	Mid-Flood	SR4(N)	Sunny	Calm	11:01	3.2	Surface	1st	25.7	8.1	28.3	6.6	6.6	94.7	3.3	3.4	7.6	5.9
							Surface	2nd	25.7	8.2	28.9	6.5		94.1	3.3		6.4	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.7	8.1	28.4	6.6	6.6	95.2	3.5		5.1	
							Bottom	2nd	25.7	8.2	29.0	6.6		94.7	3.5		4.3	
2018-10-29	Mid-Flood	IS(Mf)9	Sunny	Calm	11:15	2.8	Surface	1st	-	-	-	-	6.6	-	-	5.7	-	12.0
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.8	8.1	28.4	6.6		94.8	5.5		11.5	
							Middle	2nd	25.8	8.2	29.0	6.5		94.1	5.8		12.5	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-29	Mid-Flood	IS7	Sunny	Calm	11:22	2.6	Surface	1st	-	-	-	-	7.1	-	-	5.2	-	5.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.6	8.2	28.4	7.1		102.5	5.1		5.3	
							Middle	2nd	25.6	8.2	29.0	7.1		102.2	5.3		6.5	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-29	Mid-Flood	IS(Mf)6	Sunny	Calm	11:30	2.5	Surface	1st	-	-	-	-	7.2	-	-	5.5	-	8.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.7	8.2	28.4	7.2		103.1	5.5		8.2	
							Middle	2nd	25.7	8.2	28.9	7.1		102.7	5.4		9.6	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-29	Mid-Flood	IS5	Sunny	Moderate	11:36	8.1	Surface	1st	25.7	8.2	28.4	6.6	6.6	95.2	3.8	3.8	6.4	5.8
							Surface	2nd	25.7	8.2	28.9	6.6		94.6	4.1		6.3	
							Middle	1st	25.6	8.2	28.4	6.6		94.9	4.0		6.3	
							Middle	2nd	25.6	8.2	28.9	6.6		94.8	3.9		6.6	
							Bottom	1st	25.6	8.2	28.5	6.7	6.7	96.0	3.6		4.8	
							Bottom	2nd	25.6	8.2	29.1	6.6		95.8	3.6		4.5	
2018-10-29	Mid-Flood	SR3(N)	Sunny	Calm	11:43	3.6	Surface	1st	25.7	8.2	28.5	6.7	6.7	96.3	4.0	4.8	4.8	4.8
							Surface	2nd	25.7	8.2	28.8	6.7		96.2	3.5		5.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.7	8.2	28.5	6.8	6.8	98.2	5.9		4.4	
							Bottom	2nd	25.7	8.2	29.1	6.8		98.6	5.8		4.9	
2018-10-31	Mid-Ebb	SR10A(N)	Fine	Moderate	4:25	12.3	Surface	1st	25.4	8.0	30.2	6.3	6.3	91.7	3.4	5.4	3.6	3.4
							Surface	2nd	25.3	8.0	29.9	6.4		92.2	3.1		4.6	
							Middle	1st	25.4	8.0	30.2	6.3		91.3	6.1		3.2	
							Middle	2nd	25.4	8.0	29.9	6.3		91.2	6.2		3.3	
							Bottom	1st	25.8	7.9	31.5	5.9	6.0	86.5	6.6		2.5	
							Bottom	2nd	25.8	8.1	31.2	6.0		87.0	6.9		3.3	
2018-10-31	Mid-Ebb	SR10B(N2)	Fine	Moderate	4:30	6.9	Surface	1st	25.4	8.1	30.2	6.4	6.3	91.9	1.4	4.1	4.0	6.6
							Surface	2nd	25.3	8.1	29.9	6.4		92.3	1.2		4.6	
							Middle	1st	25.4	8.1	30.3	6.2		90.3	3.9		4.5	
							Middle	2nd	25.5	8.1	30.2	6.2		90.3	3.8		4.6	
							Bottom	1st	25.6	8.0	30.8	6.2	6.2	89.7	7.2		11.6	
							Bottom	2nd	25.6	8.0	30.5	6.2		90.3	7.1		10.3	
2018-10-31	Mid-Ebb	CSA	Fine	Moderate	4:43	33.0	Surface	1st	25.5	8.2	30.9	6.3	6.3	92.0	3.1	3.3	5.8	4.0
							Surface	2nd	25.5	8.2	30.9	6.3		92.1	3.1		5.0	
							Middle	1st	25.5	8.2	31.0	6.3		91.6	3.3		3.5	
							Middle	2nd	25.5	8.2	31.0	6.3		91.6	3.3		3.9	
							Bottom	1st	25.7	8.2	31.8	6.3	6.3	92.9	3.4		3.2	
							Bottom	2nd	25.7	8.2	31.8	6.3		92.9	3.4		2.7	
2018-10-31	Mid-Ebb	CS6	Fine	Moderate	4:54	8.7	Surface	1st	25.4	8.2	30.7	6.4	6.4	92.4	3.4	3.9	3.5	2.8
							Surface	2nd	25.4	8.2	30.7	6.4		92.4	3.4		3.6	
							Middle	1st	25.4	8.2	30.8	6.3		92.0	3.7		2.8	
							Middle	2nd	25.4	8.2	30.8	6.3		92.1	3.6		3.4	
							Bottom	1st	25.8	8.2	31.4	6.4	6.4	94.2	4.6		1.7	
							Bottom	2nd	25.8	8.2	31.4	6.4		94.0	4.5		1.6	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-31	Mid-Ebb	CS4	Fine	Moderate	6:01	16.4	Surface	1st	25.2	8.3	29.6	6.7	6.7	95.7	4.3	7.0	3.3	4.2
							Surface	2nd	25.2	8.3	29.5	6.7		95.7	4.3		3.9	
							Middle	1st	25.4	8.3	30.0	6.7		97.1	7.0		3.3	
							Middle	2nd	25.5	8.3	30.0	6.7		96.7	6.8		3.2	
							Bottom	1st	25.1	8.3	30.2	6.7	6.8	96.9	9.9		6.0	
							Bottom	2nd	25.1	8.3	30.2	6.8		97.1	9.5		5.5	
2018-10-31	Mid-Ebb	SR6	Fine	Moderate	6:30	4.4	Surface	1st	24.9	8.3	30.2	6.9	6.9	99.4	3.8	4.7	4.7	4.2
							Surface	2nd	24.9	8.3	30.2	6.9		99.4	3.7		4.6	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.0	8.3	30.5	6.9	6.9	99.3	5.7		3.7	
							Bottom	2nd	25.0	8.3	30.5	6.9		99.3	5.6		3.6	
2018-10-31	Mid-Ebb	CS(Mf)3(N)	Fine	Moderate	6:13	7.1	Surface	1st	24.8	8.3	29.5	6.9	7.0	99.0	4.6	5.3	3.6	3.7
							Surface	2nd	24.8	8.3	29.5	6.9		98.9	4.5		2.8	
							Middle	1st	24.9	8.3	29.4	7.0		99.5	5.2		3.1	
							Middle	2nd	24.9	8.3	29.4	7.0		99.5	5.2		2.9	
							Bottom	1st	25.1	8.3	30.5	6.9	6.9	99.6	6.2		4.2	
							Bottom	2nd	25.1	8.3	30.5	6.9		99.6	6.1		5.3	
2018-10-31	Mid-Ebb	SR5(N)	Fine	Moderate	5:38	9.3	Surface	1st	24.9	8.3	29.7	6.9	6.9	98.3	5.3	5.7	4.1	4.5
							Surface	2nd	24.9	8.3	29.7	6.9		98.4	5.3		4.3	
							Middle	1st	25.1	8.3	30.0	6.9		98.4	5.7		4.0	
							Middle	2nd	25.1	8.3	30.0	6.9		98.4	5.6		4.5	
							Bottom	1st	25.1	8.3	30.3	6.8	6.8	98.1	6.1		4.8	
							Bottom	2nd	25.1	8.3	30.3	6.8		98.1	6.1		5.4	
2018-10-31	Mid-Ebb	IS10(N)	Fine	Moderate	5:31	12.5	Surface	1st	25.1	8.3	29.8	6.9	6.9	98.6	4.5	5.6	14.3	8.2
							Surface	2nd	25.1	8.3	29.8	6.9		98.6	4.5		14.2	
							Middle	1st	25.0	8.3	30.1	6.9		98.8	5.6		6.0	
							Middle	2nd	25.0	8.3	30.1	6.9		98.9	5.6		6.9	
							Bottom	1st	24.9	8.3	30.1	6.8	6.9	98.0	6.8		3.6	
							Bottom	2nd	24.9	8.3	30.1	6.9		98.3	6.3		3.9	
2018-10-31	Mid-Ebb	IS(Mf)11	Fine	Moderate	5:24	11.2	Surface	1st	24.9	8.3	29.8	6.8	6.6	96.7	4.1	4.7	4.3	6.1
							Surface	2nd	24.9	8.3	29.8	6.8		97.0	4.1		3.7	
							Middle	1st	25.7	8.2	30.8	6.4		92.7	5.0		6.8	
							Middle	2nd	25.7	8.2	30.7	6.3		92.5	4.9		6.7	
							Bottom	1st	25.6	8.3	30.8	6.5	6.5	94.5	5.2		7.5	
							Bottom	2nd	25.7	8.2	30.8	6.4		93.6	5.1		7.7	
2018-10-31	Mid-Ebb	CS(Mf)5	Fine	Moderate	5:12	13.4	Surface	1st	25.4	8.1	30.2	6.3	6.2	90.9	2.3	4.9	6.0	4.6
							Surface	2nd	25.4	8.1	29.9	6.3		91.0	2.2		5.1	
							Middle	1st	25.6	8.0	30.9	6.0		87.7	5.0		5.0	
							Middle	2nd	25.7	8.1	30.8	6.0		87.8	5.0		5.4	
							Bottom	1st	25.8	8.0	31.5	6.0	6.0	88.0	7.4		2.8	
							Bottom	2nd	25.8	8.1	31.2	6.0		88.1	7.4		3.2	
2018-10-31	Mid-Ebb	SR7	Fine	Moderate	5:17	4.3	Surface	1st	25.5	8.2	30.0	6.5	6.5	93.5	3.6	3.7	3.9	4.1
							Surface	2nd	25.5	8.2	30.0	6.5		93.5	3.6		4.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.5	8.2	30.1	6.5	6.5	94.7	3.7		4.0	
							Bottom	2nd	25.5	8.2	30.1	6.5		94.6	3.7		3.8	
2018-10-31	Mid-Ebb	IS17	Fine	Moderate	5:42	10.6	Surface	1st	25.0	8.0	29.6	6.5	6.5	93.4	3.1	2.5	4.8	3.7
							Surface	2nd	25.0	8.1	29.4	6.6		93.8	3.1		4.4	
							Middle	1st	25.1	8.0	29.7	6.4		91.5	2.2		3.6	
							Middle	2nd	25.1	8.1	29.5	6.4		91.6	2.3		4.3	
							Bottom	1st	25.2	8.1	30.0	6.3	6.4	91.0	2.1		2.4	
							Bottom	2nd	25.2	8.1	29.7	6.4		91.5	2.3		2.9	
2018-10-31	Mid-Ebb	IS(Mf)16	Fine	Moderate	5:48	5.8	Surface	1st	25.2	8.0	29.5	6.6	6.6	94.2	5.1	5.5	2.7	5.1
							Surface	2nd	25.1	8.1	29.3	6.6		94.5	4.6		2.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.5	8.0	30.3	6.3	6.3	90.6	6.3		7.1	
							Bottom	2nd	25.6	8.1	30.3	6.2		90.3	5.8		7.8	
2018-10-31	Mid-Ebb	IS8	Fine	Calm	6:05	4.7	Surface	1st	25.0	8.1	29.4	6.8	6.8	97.1	7.1	7.0	4.2	5.0
							Surface	2nd	25.0	8.2	29.2	6.8		97.7	7.1		3.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.0	8.1	29.4	6.8	6.8	97.2	6.9		5.8	
							Bottom	2nd	25.0	8.2	29.2	6.8		97.7	6.8		5.9	

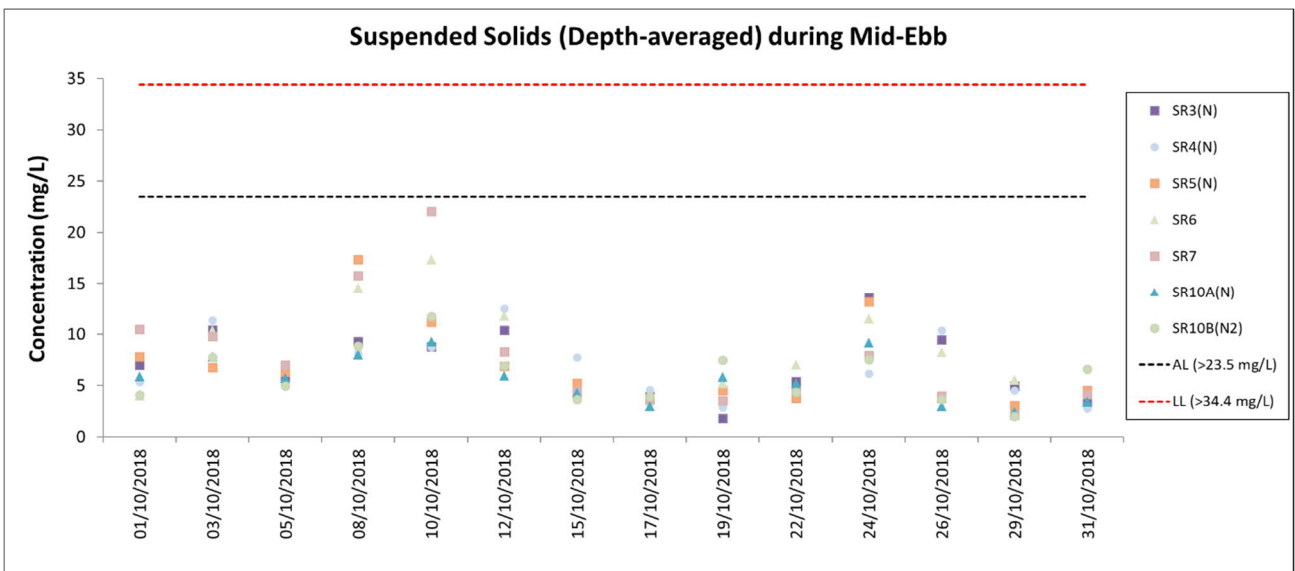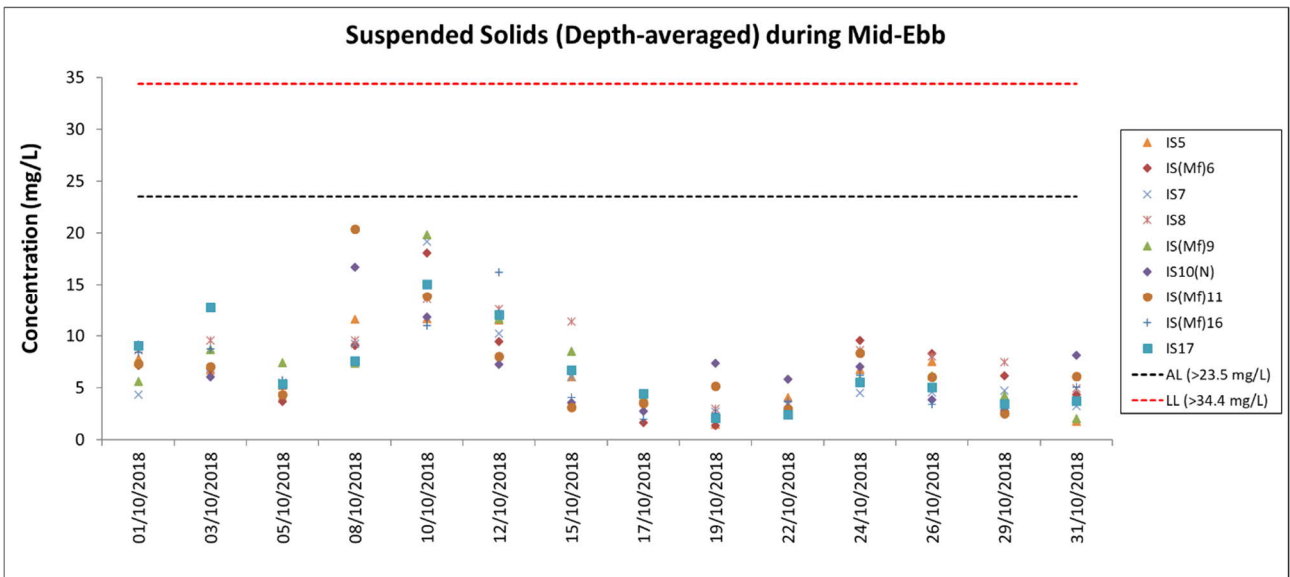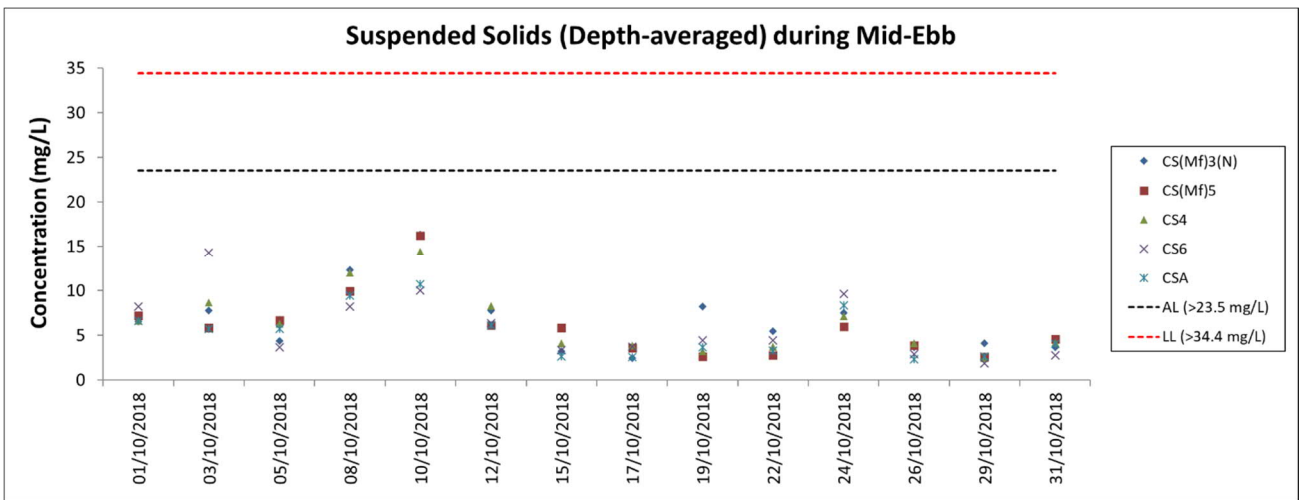| Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS (mg/L)	SS (mg/L) (depth-averaged)
2018-10-31	Mid-Ebb	SR4(N)	Fine	Calm	6:01	4.4	Surface	1st	25.0	8.0	29.4	6.8	6.8	97.0	8.9	10.9	3.7	2.8
							Surface	2nd	25.0	8.2	29.2	6.8		97.5	8.6		3.9	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.0	8.1	29.4	6.8	6.8	96.8	12.8		1.6	
							Bottom	2nd	25.0	8.1	29.2	6.8		97.3	13.1		1.9	
2018-10-31	Mid-Ebb	IS(Mf)9	Fine	Calm	6:13	2.9	Surface	1st	-	-	-	-	6.7	-	-	7.1	-	2.1
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	24.9	8.1	29.4	6.7		95.5	7.0		1.9	
							Middle	2nd	24.9	8.1	29.1	6.7		96.0	7.2		2.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-31	Mid-Ebb	IS7	Fine	Calm	6:22	2.6	Surface	1st	-	-	-	-	6.7	-	-	7.2	-	3.3
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	24.8	8.1	29.4	6.6		94.6	7.3		3.3	
							Middle	2nd	24.8	8.1	29.1	6.7		94.7	7.0		3.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-31	Mid-Ebb	IS(Mf)6	Fine	Calm	6:28	2.4	Surface	1st	-	-	-	-	6.6	-	-	6.8	-	4.4
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	24.8	8.1	29.8	6.6		93.6	6.8		4.2	
							Middle	2nd	24.8	8.2	29.5	6.6		94.1	6.8		4.5	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-31	Mid-Ebb	IS5	Fine	Calm	6:34	7.1	Surface	1st	24.8	8.1	30.0	6.8	6.8	96.7	2.7	5.3	0.8	1.8
							Surface	2nd	24.7	8.2	29.7	6.8		97.3	2.7		0.7	
							Middle	1st	25.0	8.1	30.6	6.8		97.7	5.2		1.6	
							Middle	2nd	25.0	8.2	30.4	6.8		98.5	5.4		1.5	
							Bottom	1st	25.1	8.1	30.9	6.7	6.8	97.3	7.8		3.3	
							Bottom	2nd	25.1	8.2	30.6	6.8		98.2	7.9		2.6	
2018-10-31	Mid-Ebb	SR3(N)	Fine	Calm	6:41	4.3	Surface	1st	24.8	8.1	30.0	6.7	6.8	95.9	2.7	3.2	4.0	3.4
							Surface	2nd	24.8	8.2	29.9	6.8		96.7	2.7		4.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	24.9	8.1	30.4	6.7	6.7	96.0	3.8		2.2	
							Bottom	2nd	24.8	8.2	30.1	6.7		96.2	3.6		2.9	
2018-10-31	Mid-Flood	SR10A(N)	Sunny	Moderate	14:03	12.4	Surface	1st	25.3	8.2	30.1	6.7	6.6	96.6	5.4	5.8	5.7	5.7
							Surface	2nd	25.3	8.1	30.4	6.7		96.1	5.5		6.3	
							Middle	1st	25.3	8.2	30.3	6.4		93.1	5.4		7.1	
							Middle	2nd	25.4	8.2	30.5	6.4		92.5	5.4		6.3	
							Bottom	1st	25.6	8.1	31.0	6.2	6.2	90.1	6.4		4.2	
							Bottom	2nd	25.6	8.1	31.3	6.2		90.1	6.4		4.3	
2018-10-31	Mid-Flood	SR10B(N2)	Sunny	Moderate	13:57	6.4	Surface	1st	25.3	8.2	30.1	6.7	6.6	96.1	5.4	5.8	4.0	6.0
							Surface	2nd	25.3	8.2	30.3	6.6		95.8	5.6		4.7	
							Middle	1st	25.4	8.2	30.3	6.5		93.8	5.4		5.9	
							Middle	2nd	25.4	8.2	30.6	6.5		93.6	5.6		5.4	
							Bottom	1st	25.5	8.1	30.9	6.3	6.3	91.3	6.2		7.8	
							Bottom	2nd	25.5	8.1	31.0	6.2		90.9	6.3		7.9	
2018-10-31	Mid-Flood	CSA	Fine	Moderate	13:23	32.5	Surface	1st	25.6	8.3	31.4	6.5	6.5	94.3	3.1	5.1	7.1	5.8
							Surface	2nd	25.6	8.3	31.4	6.5		94.3	3.1		7.2	
							Middle	1st	25.6	8.3	31.5	6.4		93.0	5.8		5.5	
							Middle	2nd	25.6	8.3	31.5	6.4		93.0	5.8		5.8	
							Bottom	1st	25.6	8.2	31.6	6.4	6.4	93.5	6.4		4.7	
							Bottom	2nd	25.6	8.2	31.6	6.4		93.5	6.3		4.6	
2018-10-31	Mid-Flood	CS6	Fine	Moderate	13:14	8.5	Surface	1st	25.6	8.3	30.7	6.5	6.5	94.6	2.9	3.5	4.9	6.2
							Surface	2nd	25.6	8.3	30.7	6.5		94.7	2.7		5.6	
							Middle	1st	25.6	8.2	30.8	6.5		94.1	3.2		6.7	
							Middle	2nd	25.6	8.2	30.8	6.5		94.1	3.1		6.2	
							Bottom	1st	25.6	8.2	30.9	6.5	6.5	95.2	4.6		6.6	
							Bottom	2nd	25.6	8.2	30.9	6.5		95.1	4.5		7.3	
2018-10-31	Mid-Flood	CS4	Fine	Moderate	12:13	16.2	Surface	1st	25.2	8.3	30.0	6.6	6.5	94.3	4.8	6.3	7.9	5.8
							Surface	2nd	25.2	8.3	30.0	6.6		94.5	4.7		7.5	
							Middle	1st	25.5	8.3	30.6	6.3		91.9	6.5		5.7	
							Middle	2nd	25.4	8.3	30.6	6.4		92.1	6.1		5.2	
							Bottom	1st	25.6	8.2	30.9	6.3	6.3	92.4	7.9		4.6	
							Bottom	2nd	25.6	8.2	30.9	6.3		92.4	7.7		3.7	

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 (mg/L)	SS (mg/L) (depth-averaged)
2018-10-31	Mid-Flood	SR6	Fine	Moderate	11:43	4.2	Surface	1st	25.2	8.2	29.1	6.8	6.8	97.1	4.5	4.6	5.0	4.5
							Surface	2nd	25.2	8.2	29.1	6.8		97.1	4.5		4.3	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.2	8.2	29.1	6.9	6.9	98.9	4.7		4.8	
							Bottom	2nd	25.2	8.2	29.1	6.9		98.6	4.6		3.8	
2018-10-31	Mid-Flood	CS(Mf)3(N)	Fine	Moderate	11:59	7.3	Surface	1st	25.1	8.3	29.8	6.9	6.9	99.6	4.9	6.0	5.1	4.2
							Surface	2nd	25.1	8.3	29.8	6.9		99.6	4.8		4.5	
							Middle	1st	25.1	8.3	29.8	6.9		99.3	5.7		4.5	
							Middle	2nd	25.1	8.3	29.8	6.9		99.3	5.7		4.1	
							Bottom	1st	25.1	8.3	29.8	6.9	6.9	99.6	7.6		3.4	
							Bottom	2nd	25.2	8.3	29.8	6.9		99.6	7.4		3.8	
2018-10-31	Mid-Flood	SR5(N)	Fine	Moderate	12:34	9.3	Surface	1st	25.2	8.3	30.3	6.8	6.8	97.5	5.5	6.5	3.3	4.5
							Surface	2nd	25.2	8.3	30.3	6.8		97.5	5.3		3.7	
							Middle	1st	25.3	8.3	30.4	6.7		97.2	6.9		3.7	
							Middle	2nd	25.3	8.3	30.4	6.7		97.2	6.8		4.4	
							Bottom	1st	25.3	8.3	30.4	6.8	6.8	97.8	7.2		5.7	
							Bottom	2nd	25.3	8.3	30.4	6.8		97.6	7.1		6.0	
2018-10-31	Mid-Flood	IS10(N)	Fine	Moderate	12:41	12.4	Surface	1st	25.3	8.3	30.2	6.7	6.7	96.3	3.8	5.0	3.9	5.1
							Surface	2nd	25.3	8.3	30.2	6.7		96.3	3.5		4.0	
							Middle	1st	25.3	8.3	30.3	6.6		95.8	4.9		4.7	
							Middle	2nd	25.3	8.3	30.3	6.6		95.8	4.8		4.8	
							Bottom	1st	25.3	8.3	30.3	6.7	6.7	96.5	6.5		6.3	
							Bottom	2nd	25.3	8.3	30.3	6.7		96.2	6.3		6.7	
2018-10-31	Mid-Flood	IS(Mf)11	Fine	Moderate	12:46	10.9	Surface	1st	25.3	8.3	30.1	6.6	6.6	95.2	3.9	4.6	6.0	5.3
							Surface	2nd	25.3	8.3	30.1	6.6		95.3	3.8		5.1	
							Middle	1st	25.3	8.3	30.2	6.6		94.9	4.8		5.5	
							Middle	2nd	25.3	8.3	30.2	6.6		94.9	4.8		4.7	
							Bottom	1st	25.3	8.3	30.2	6.6	6.6	95.1	5.1		4.8	
							Bottom	2nd	25.3	8.3	30.2	6.6		95.1	5.0		5.7	
2018-10-31	Mid-Flood	CS(Mf)5	Sunny	Moderate	13:15	13.2	Surface	1st	25.3	8.2	30.1	6.6	6.4	95.1	2.3	2.3	5.0	3.7
							Surface	2nd	25.3	8.1	30.3	6.5		94.5	2.6		4.7	
							Middle	1st	25.5	8.1	30.8	6.2		90.7	1.2		4.0	
							Middle	2nd	25.5	8.1	30.9	6.2		90.6	1.2		3.7	
							Bottom	1st	25.6	8.1	31.0	6.3	6.3	92.1	3.4		2.3	
							Bottom	2nd	25.6	7.9	31.3	6.2		90.0	3.3		2.5	
2018-10-31	Mid-Flood	SR7	Fine	Moderate	12:53	4.1	Surface	1st	25.3	8.3	30.3	6.8	6.8	98.4	5.0	4.8	3.6	5.5
							Surface	2nd	25.3	8.3	30.3	6.8		98.4	4.9		4.0	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.3	8.3	30.3	6.9	6.9	99.4	4.7		6.8	
							Bottom	2nd	25.3	8.3	30.3	6.9		99.4	4.6		7.6	
2018-10-31	Mid-Flood	IS17	Sunny	Moderate	12:54	10.6	Surface	1st	25.1	8.2	29.8	6.8	6.7	97.1	2.1	2.8	7.7	5.5
							Surface	2nd	25.1	8.0	30.0	6.7		97.0	2.0		7.6	
							Middle	1st	25.1	8.2	29.8	6.6		94.9	2.9		5.1	
							Middle	2nd	25.1	8.1	30.1	6.6		94.3	3.0		5.4	
							Bottom	1st	25.1	8.2	29.9	6.6	6.6	94.6	3.4		3.8	
							Bottom	2nd	25.2	8.1	30.1	6.6		94.3	3.3		3.2	
2018-10-31	Mid-Flood	IS(Mf)16	Sunny	Calm	12:47	5.6	Surface	1st	25.2	8.2	29.7	7.0	7.0	100.4	1.5	2.0	4.7	6.0
							Surface	2nd	25.2	8.0	30.0	7.0		100.1	1.8		5.7	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.2	8.2	29.8	7.0	7.0	99.9	2.4		6.7	
							Bottom	2nd	25.2	8.0	30.0	6.9		99.3	2.4		6.9	
2018-10-31	Mid-Flood	IS8	Sunny	Calm	12:26	4.3	Surface	1st	25.1	8.2	29.2	7.1	7.1	101.9	2.7	3.2	7.4	7.3
							Surface	2nd	25.1	8.1	29.4	7.1		101.6	2.5		7.1	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.2	8.2	29.6	6.9	6.9	99.7	3.8		7.3	
							Bottom	2nd	25.3	8.0	30.0	6.8		98.6	3.8		7.2	
2018-10-31	Mid-Flood	SR4(N)	Sunny	Calm	12:32	3.9	Surface	1st	25.2	8.2	29.5	6.9	6.9	99.5	2.7	2.7	5.0	4.9
							Surface	2nd	25.3	8.1	29.8	6.9		98.9	2.7		5.8	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	25.2	8.2	29.6	6.9	6.9	99.6	2.7		4.6	
							Bottom	2nd	25.3	8.1	29.8	6.9		99.0	2.5		4.1	

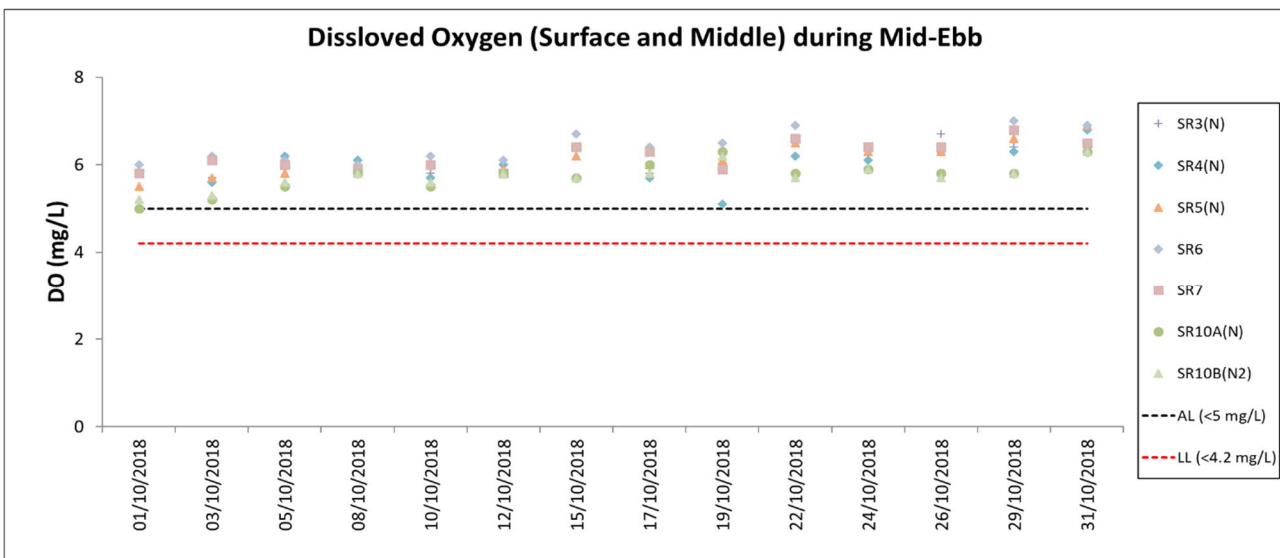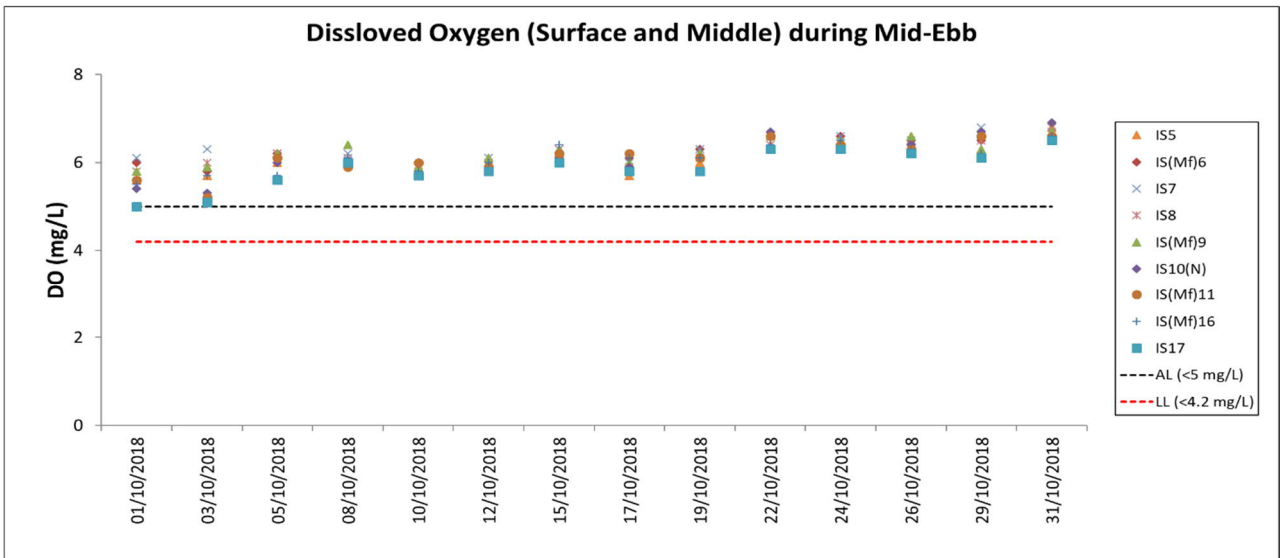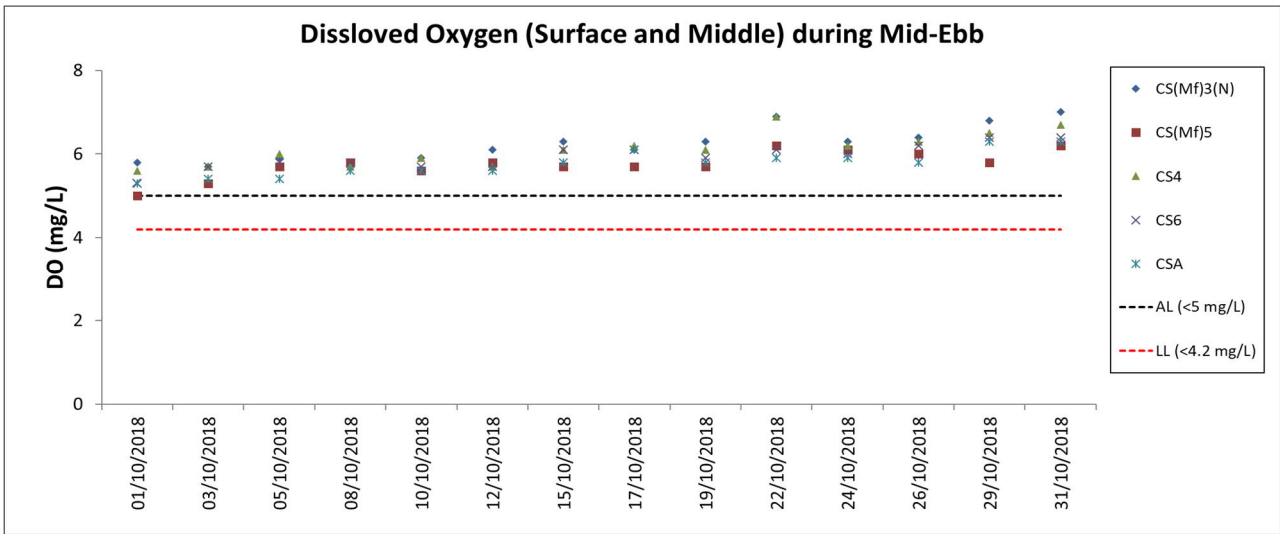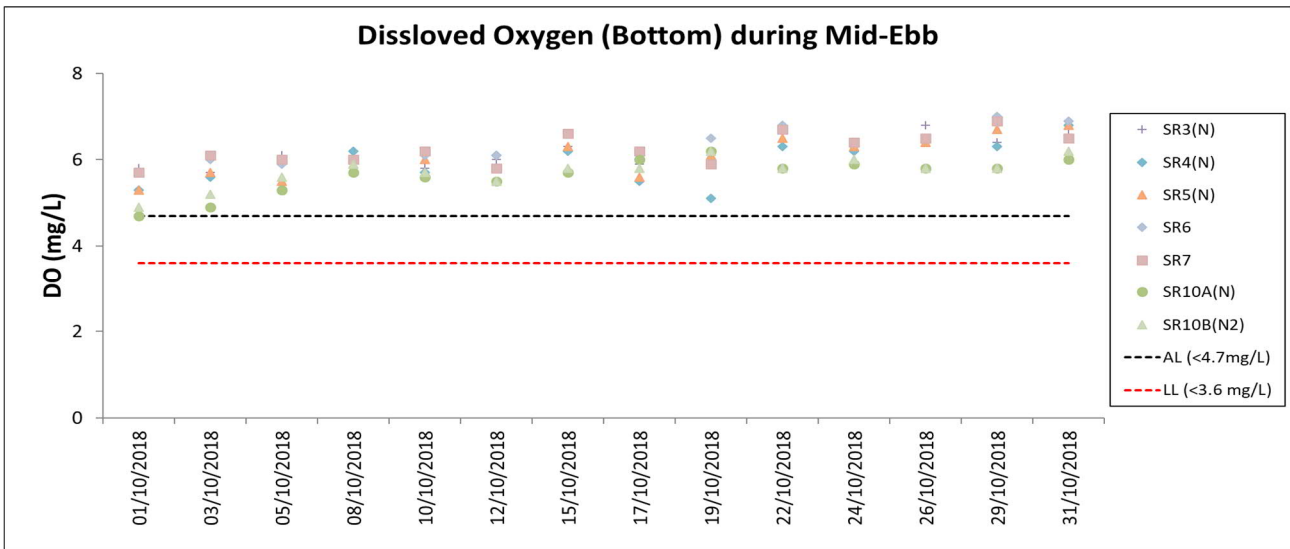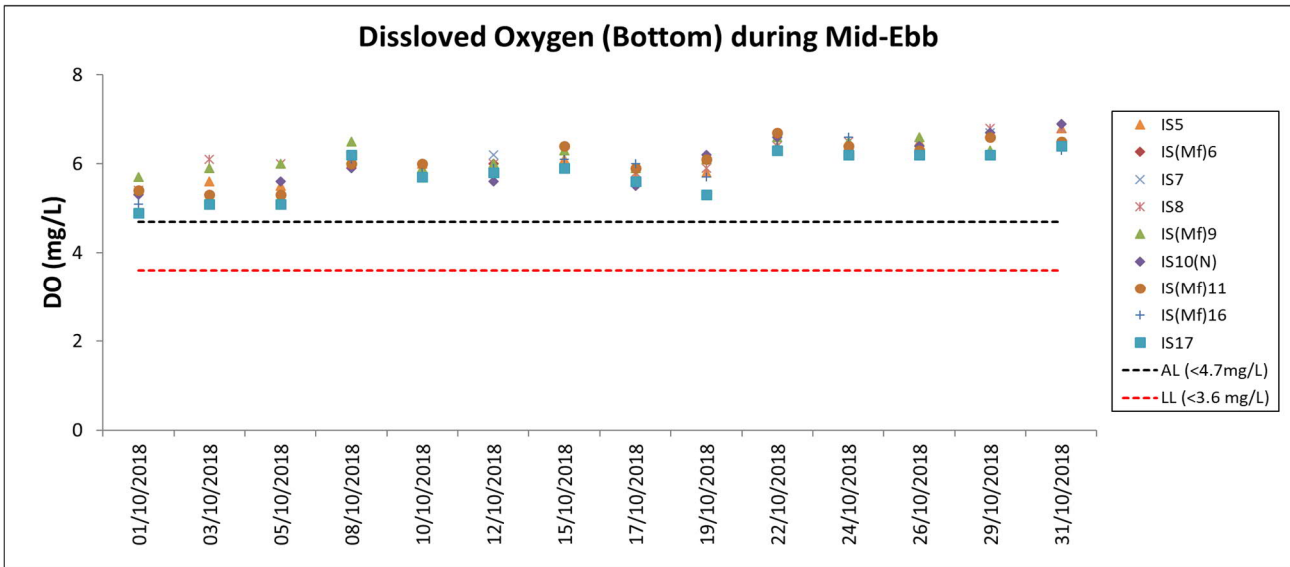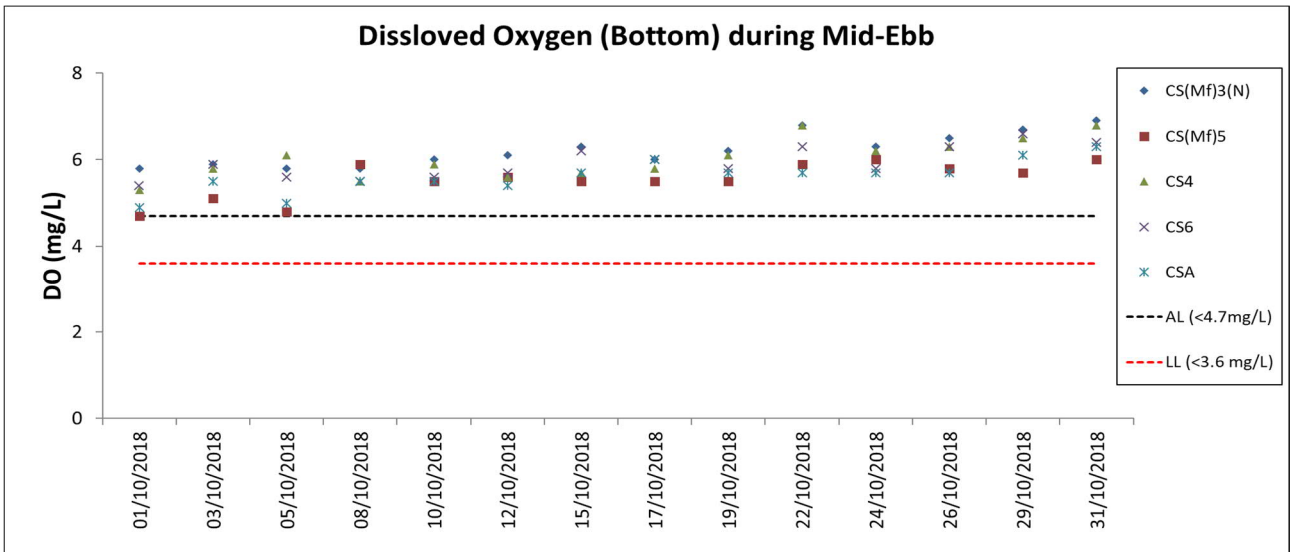| Date (yyyy-mm-dd)	Tide	Station	Weather	Sea condition	Sampling Time	Water Depth (m)	Sampling Water Level	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average of DO (mg/L)	DO Saturation (%)	Turbidity (NTU)	Turbidity (NTU) (depth-averaged)	SS (mg/L)	SS (mg/L) (depth-averaged)
2018-10-31	Mid-Flood	IS(Mf)9	Sunny	Calm	12:19	2.8	Surface	1st	-	-	-	-	7.1	-	-	5.8	-	5.6
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	25.0	8.2	29.4	7.1		101.4	5.9		5.9	
							Middle	2nd	25.1	8.1	29.6	7.0		100.8	5.7		5.3	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-31	Mid-Flood	IS7	Sunny	Calm	12:11	2.5	Surface	1st	-	-	-	-	7.3	-	-	2.8	-	3.9
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	24.9	8.2	29.4	7.3		104.6	2.7		3.9	
							Middle	2nd	25.0	8.0	29.6	7.3		104.7	2.8		3.9	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-31	Mid-Flood	IS(Mf)6	Sunny	Calm	12:01	2.3	Surface	1st	-	-	-	-	7.5	-	-	3.6	-	5.5
							Surface	2nd	-	-	-	-		-	-		-	
							Middle	1st	24.9	8.2	29.4	7.5		107.1	3.7		5.7	
							Middle	2nd	24.9	8.0	29.6	7.4		106.4	3.5		5.2	
							Bottom	1st	-	-	-	-	-	-	-		-	
							Bottom	2nd	-	-	-	-		-	-		-	
2018-10-31	Mid-Flood	IS5	Sunny	Calm	11:52	8.2	Surface	1st	24.9	8.1	29.4	7.1	7.1	101.4	6.6	7.9	7.9	5.6
							Surface	2nd	25.0	8.1	29.6	7.0		100.8	6.9		7.3	
							Middle	1st	24.9	8.1	29.4	7.1		101.3	7.6		5.2	
							Middle	2nd	24.9	8.1	29.7	7.0		100.6	7.4		5.9	
							Bottom	1st	24.9	8.1	29.4	7.1	7.1	100.8	9.5		3.2	
							Bottom	2nd	24.9	8.2	29.7	7.0		100.1	9.5		3.8	
2018-10-31	Mid-Flood	SR3(N)	Sunny	Calm	11:43	4.2	Surface	1st	24.9	8.1	29.5	7.1	7.1	100.8	7.8	10.5	7.4	5.6
							Surface	2nd	24.9	8.2	29.8	7.0		100.1	7.9		7.5	
							Middle	1st	-	-	-	-		-	-		-	
							Middle	2nd	-	-	-	-		-	-		-	
							Bottom	1st	24.8	8.1	29.6	7.1	7.1	100.9	13.1		3.9	
							Bottom	2nd	24.8	8.1	29.8	7.0		100.2	13.1		3.7	

Remark for all graphs: The water 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 to the published Monthly EM&A Report for Contract No. HY/2013/01 for the monitoring results from July 2018 to September 2018.
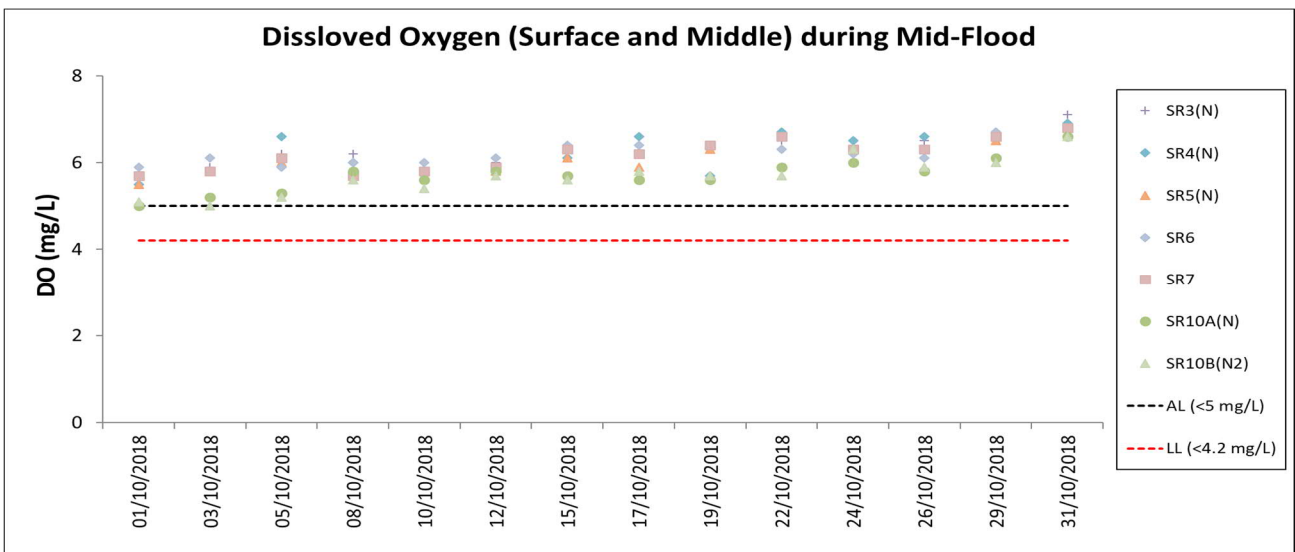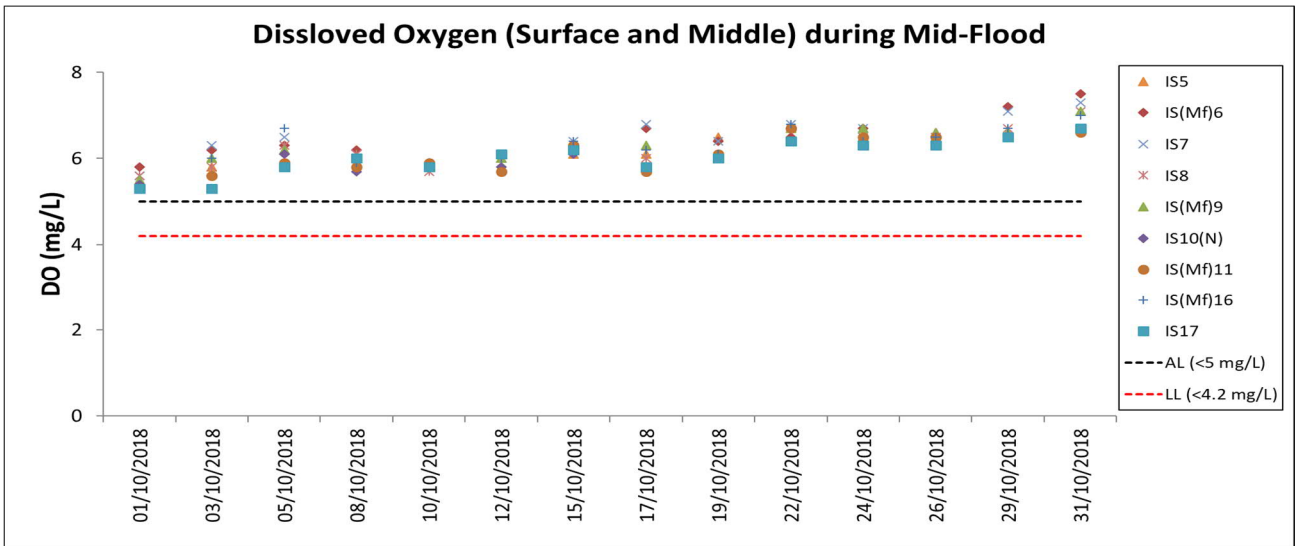
Turbidity (Depth-averaged) during Mid-Flood

Turbidity (Depth-averaged) during Mid-Flood

Turbidity (Depth-averaged) during Mid-Flood

Remark for all graphs: The water 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 to the published Monthly EM&A Report for Contract No. HY/2013/01 for the monitoring results from July 2018 to September 2018.
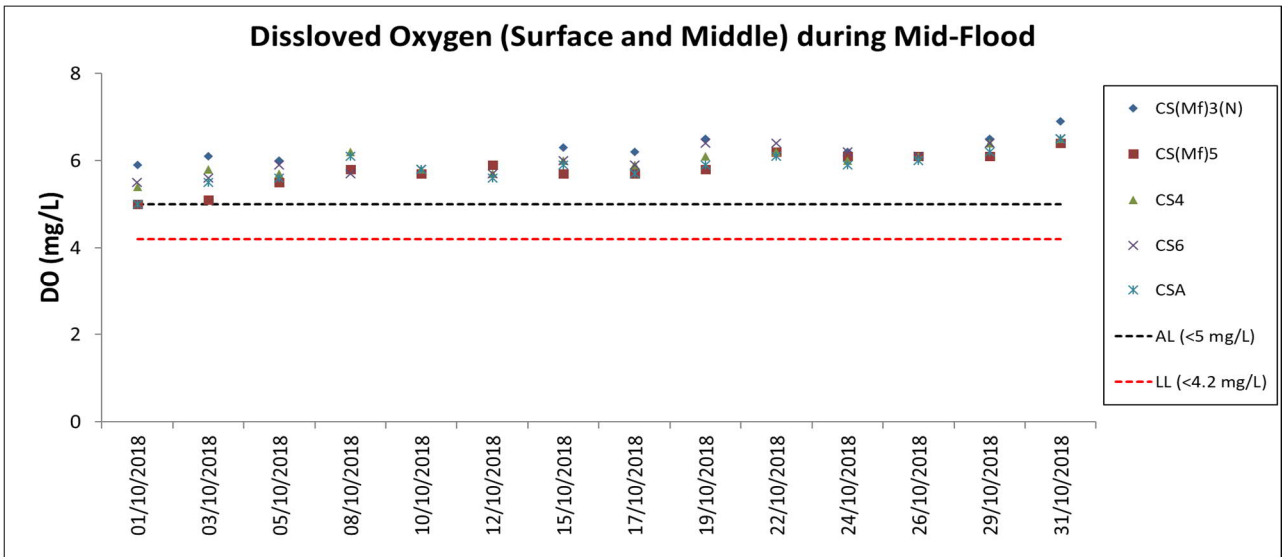
Suspended Solids (Depth-averaged) during Mid-Ebb

Suspended Solids (Depth-averaged) during Mid-Ebb

Suspended Solids (Depth-averaged) during Mid-Ebb

Remark for all graphs: The water 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 to the published Monthly EM&A Report for Contract No. HY/2013/01 for the monitoring results from July 2018 to September 2018.

Suspended Solids (Depth-averaged) during Mid-Flood

Suspended Solids (Depth-averaged) during Mid-Flood

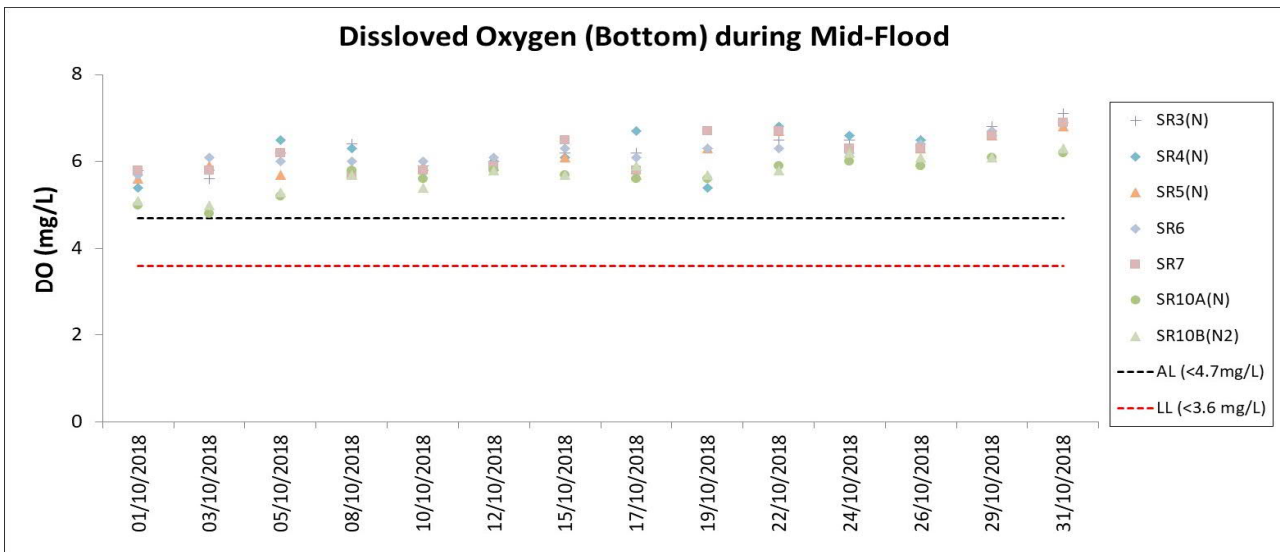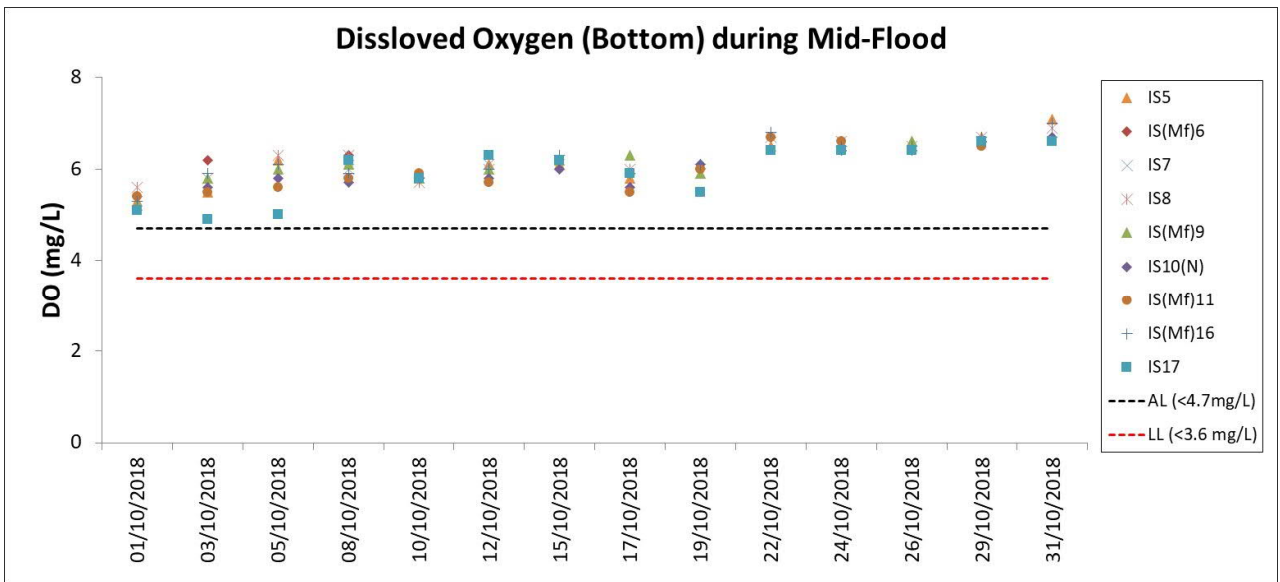Suspended Solids (Depth-averaged) during Mid-Flood

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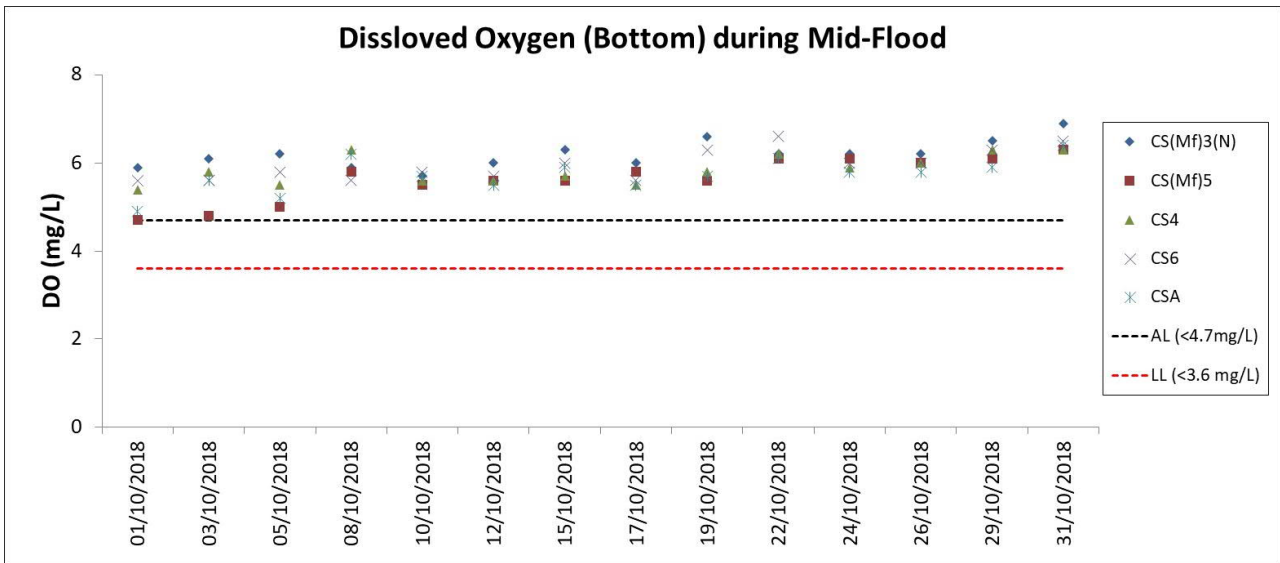
Remark for all graphs: The water quality monitoring before 1 October 2018 was conducted by Contract No. HY/2013/01 Hong Kong-Zhuhai-Macao Bridge HKBCF – Passenger Clearance Building. Please refer to the published Monthly EM&A Report for Contract No. HY/2013/01 for the monitoring results from July 2018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

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Graphical Presentation of Water Quality Monitoring Data

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Dissloved Oxygen (Bottom) during Mid-Ebb

Dissloved Oxygen (Bottom) during Mid-Ebb

Dissloved Oxygen (Bottom) during Mid-Ebb

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Dissloved Oxygen (Surface and Middle) during Mid-Flood

Dissloved Oxygen (Surface and Middle) during Mid-Flood

Dissloved Oxygen (Surface and Middle) during Mid-Flood

Remark for all graphs: The water 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 to the published Monthly EM&A Report for Contract No. HY/2013/01 for the monitoring results from July 2018 to September 2018.

Dissloved Oxygen (Bottom) during Mid-Flood

Legend: CS(Mf)3(N), CS(Mf)5, CS4, CS6, CSA, AL (<4.7mg/L), LL (<3.6 mg/L)

Dissloved Oxygen (Bottom) during Mid-Flood

Legend: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10(N), IS(Mf)11, IS(Mf)16, IS17, AL (<4.7mg/L), LL (<3.6 mg/L)

Dissloved Oxygen (Bottom) during Mid-Flood

Legend: SR3(N), SR4(N), SR5(N), SR6, SR7, SR10A(N), SR10B(N2), AL (<4.7mg/L), LL (<3.6 mg/L)

Remark for all graphs: The water 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 to the published Monthly EM&A Report for Contract No. HY/2013/01 for the monitoring results from July 2018 to September 2018.