

Annex F3

Monitoring Results for Water Quality

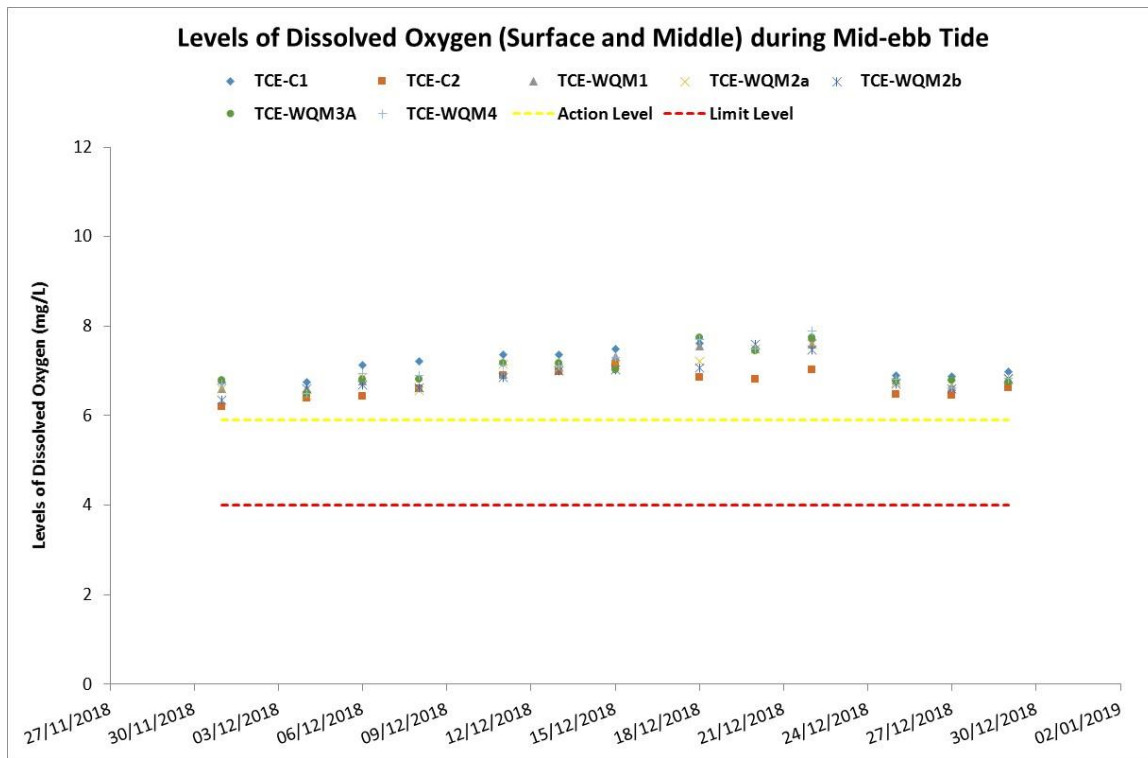


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 December 2018

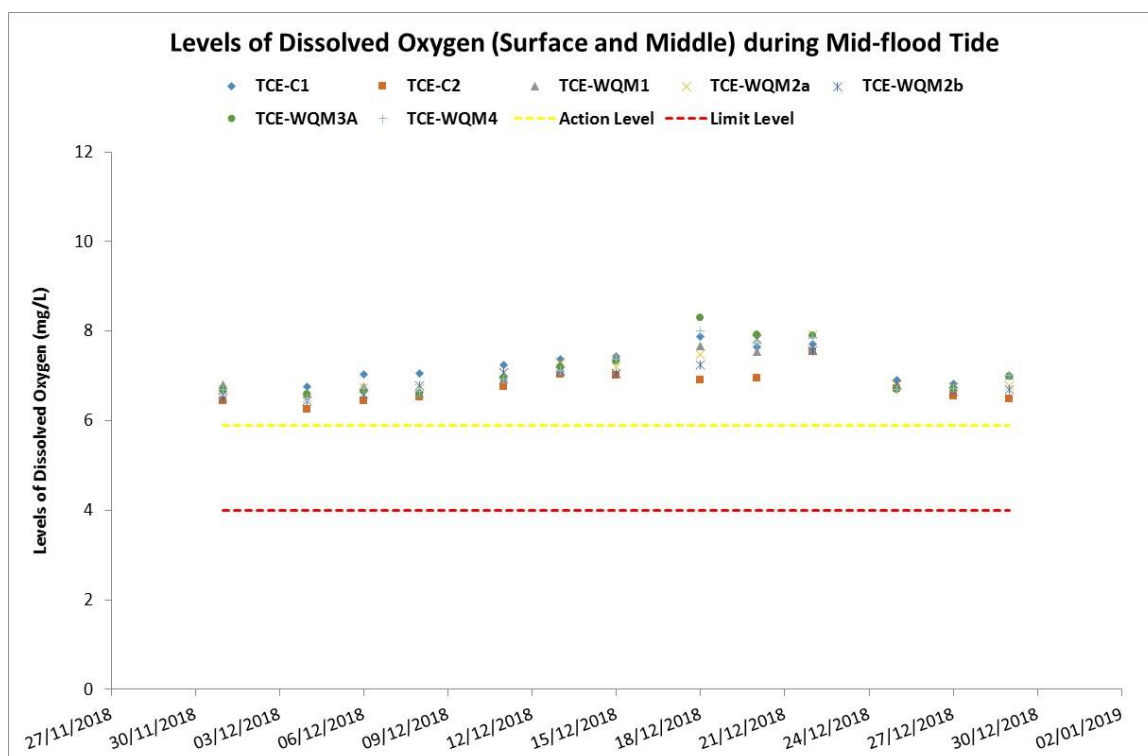


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 December 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: December 2018

**Environmental
 Resources
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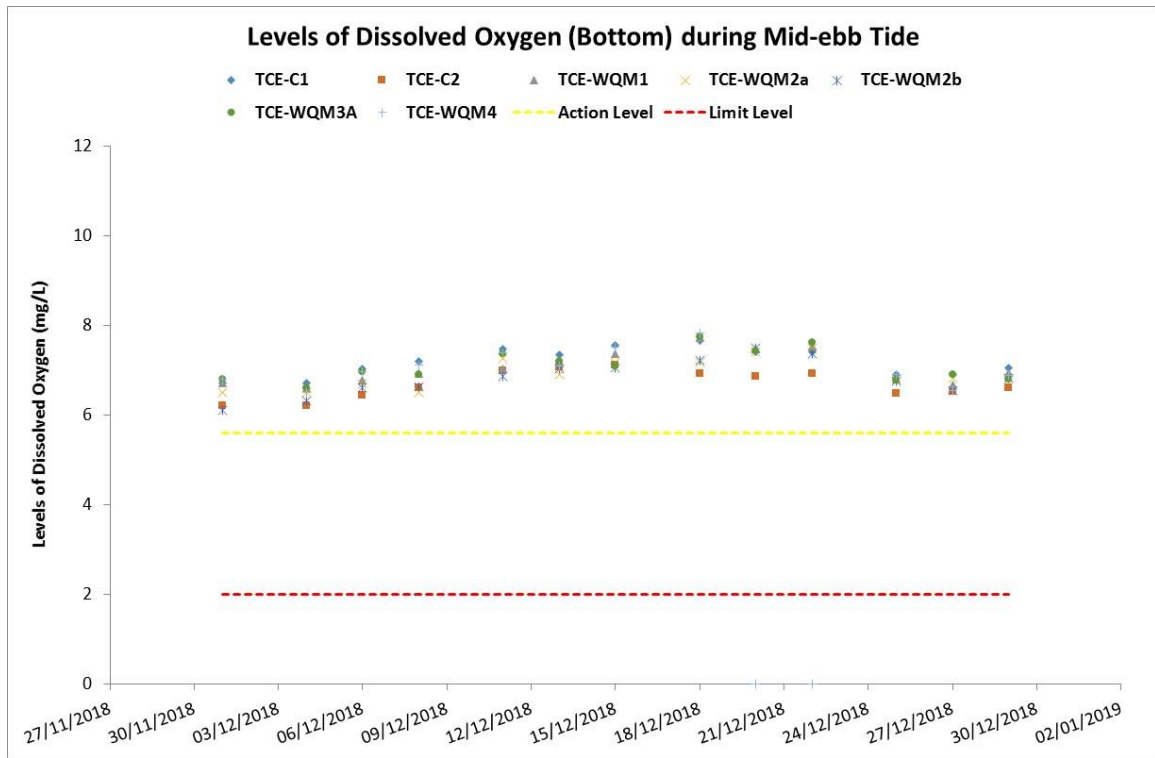


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 December 2018

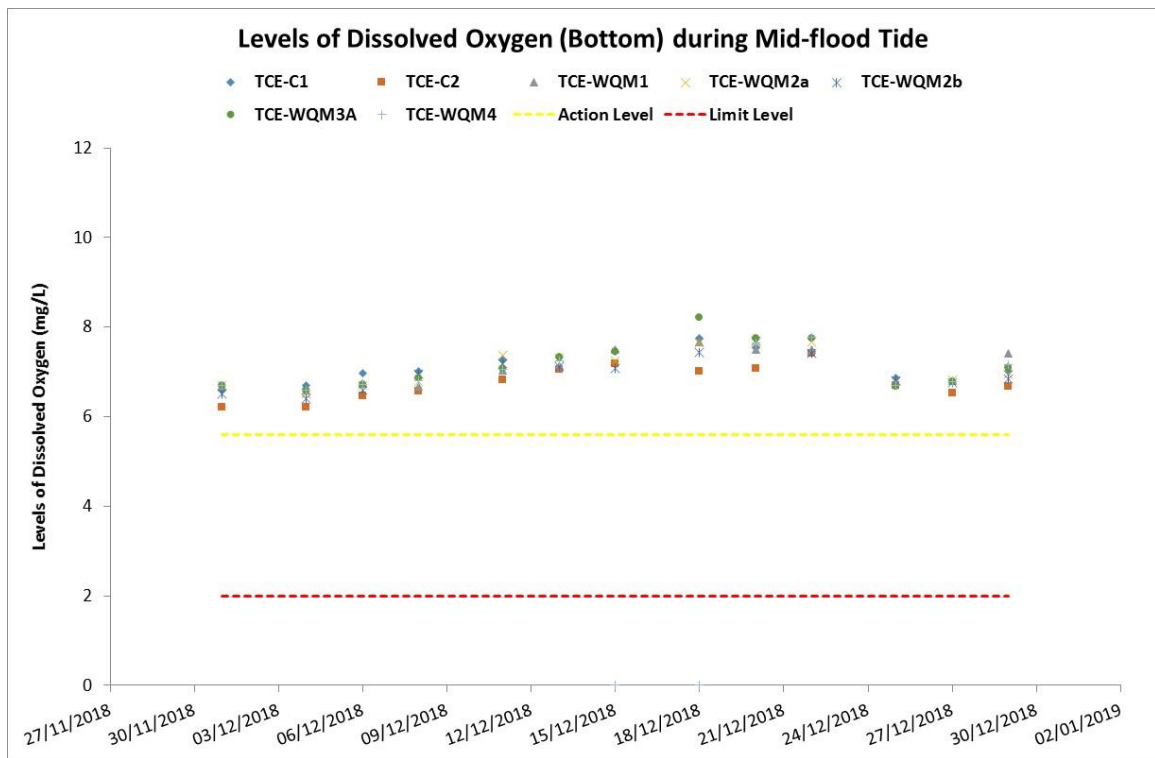


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 December 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: December 2018

**Environmental
 Resources
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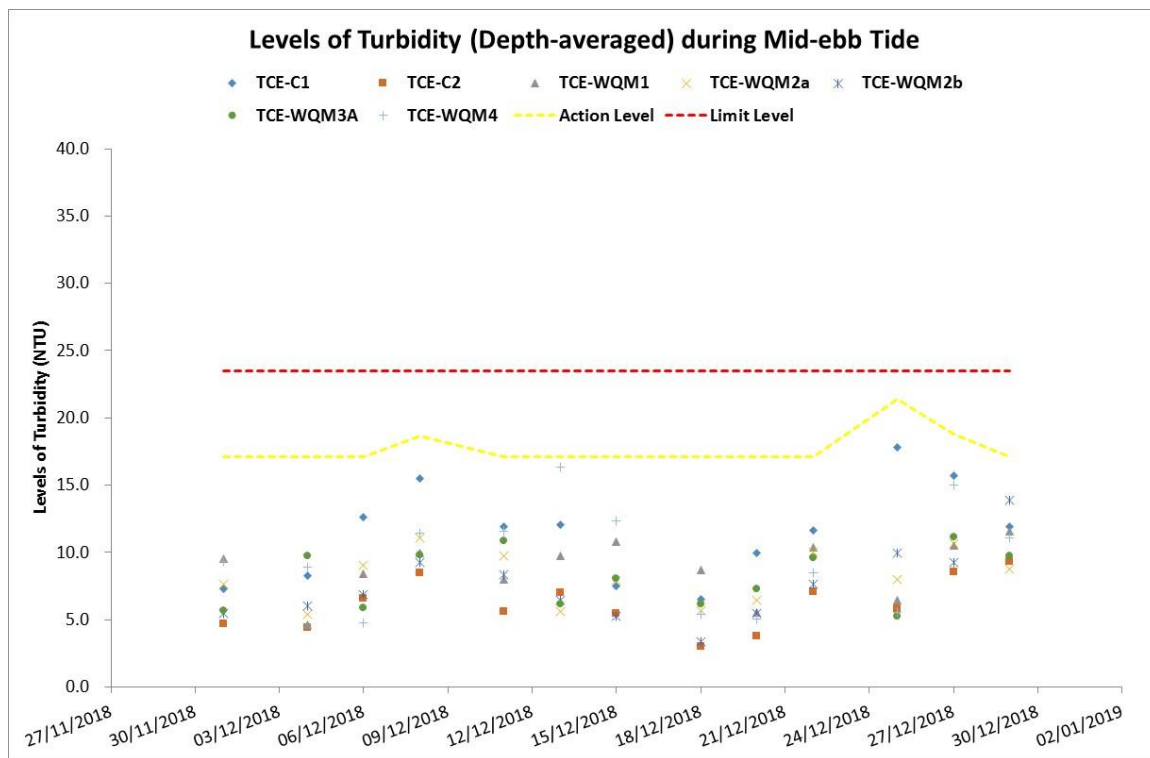


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 December 2018

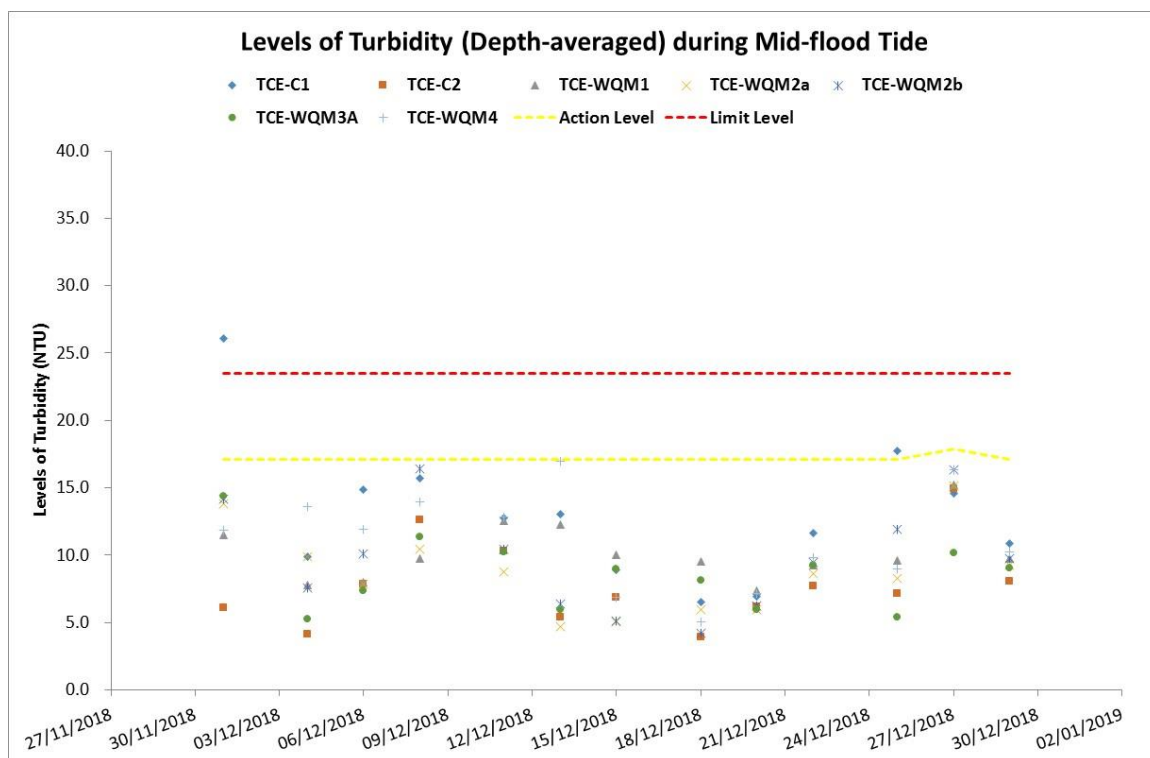


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 December 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: December 2018

**Environmental
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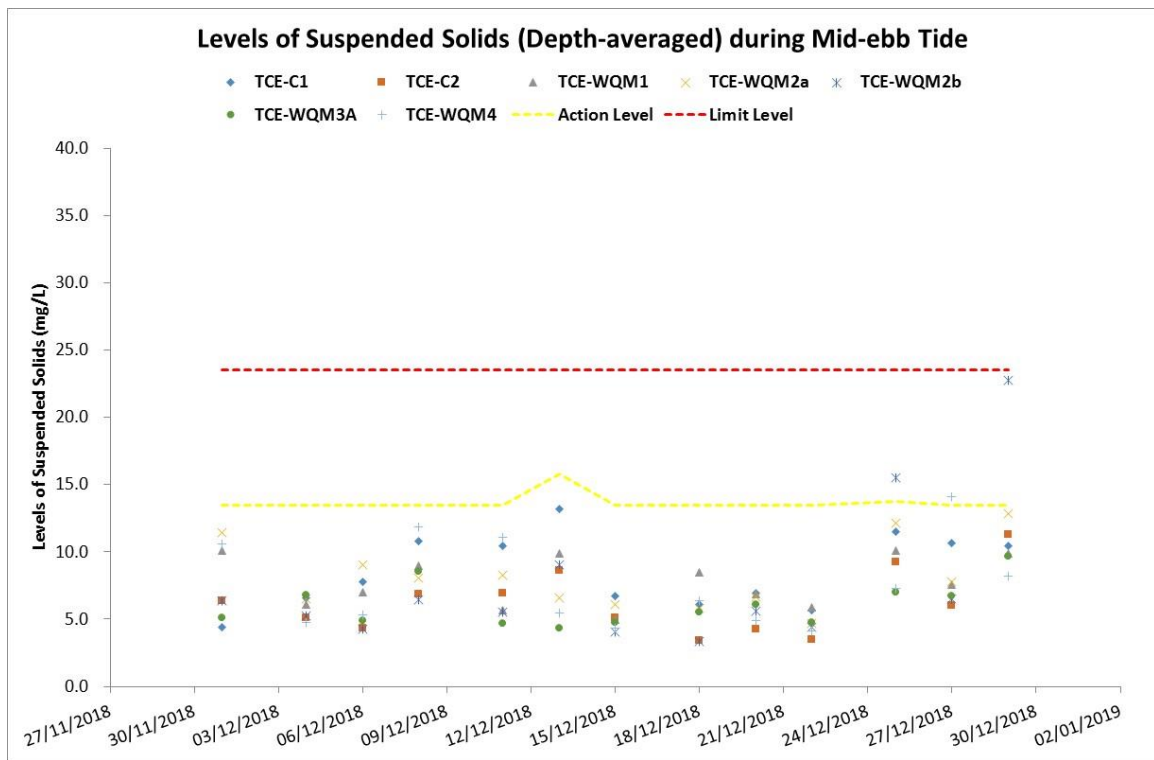


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 December 2018

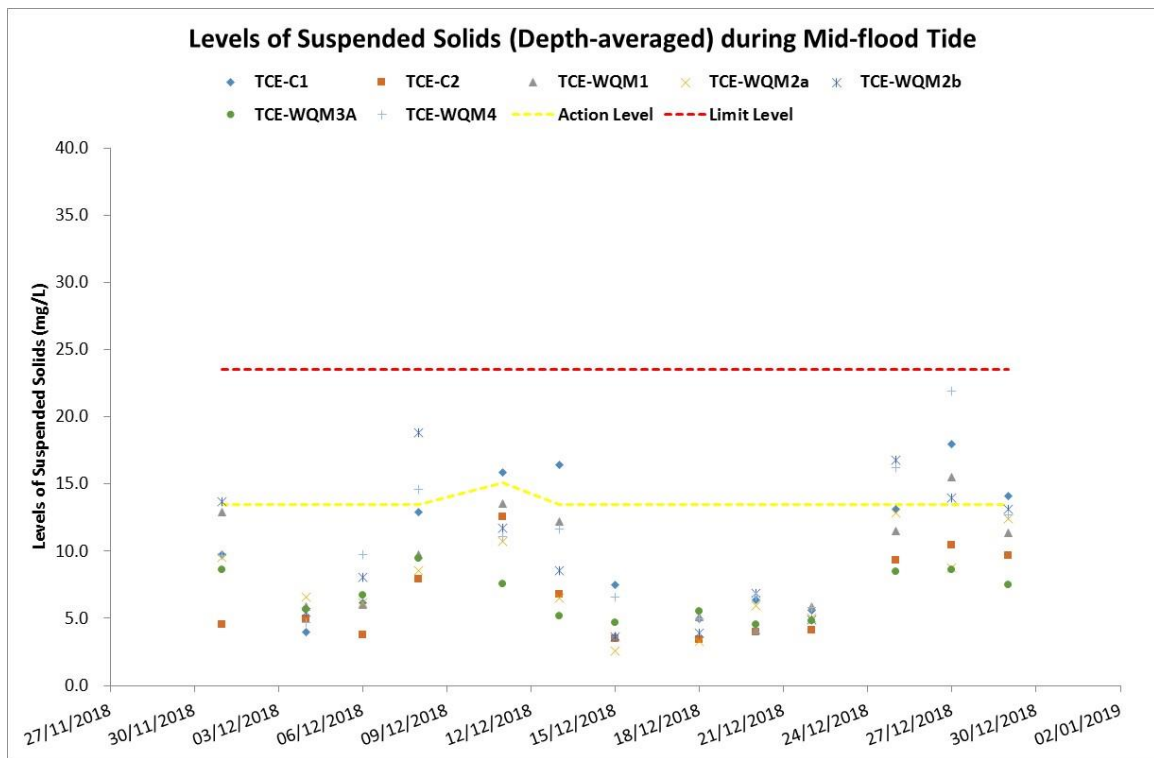


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 December 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: December 2018

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Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
01-12-2018	Mid-Ebb	TCE-C1	Fine	Moderate	19:32	9.6	Surface	1.0	1	23.1	7.9	28.9	6.8	93.9	4.0	4.3	6.8	7.3	4.4								
									2	23.1	7.9	28.9	6.8	93.8	4.0	5.1											
							Middle	4.8	1	23.1	7.8	31.4	6.7	94.0	7.8	4.7											
									2	23.1	7.8	31.4	6.7	93.9	7.8	5.4											
							Bottom	8.6	1	23.1	7.9	31.6	6.7	94.1	10.0	4.0											
									2	23.1	7.9	31.6	6.7	94.0	10.1	2.8											
		TCE-C2	Fine	Moderate	21:27	12.2	Surface	1.0	1	22.9	8.1	30.5	6.3	86.7	4.9	4.6	6.2	4.7	6.4								
									2	22.9	8.1	30.4	6.3	86.9	4.9	4.8											
							Middle	6.1	1	23.1	8.1	31.1	6.1	85.3	5.1	6.1											
									2	23.1	8.1	31.1	6.1	85.3	5.0	6.2											
							Bottom	11.2	1	23.1	8.1	31.2	6.2	87.1	4.2	8.1											
									2	23.1	8.1	31.2	6.2	86.8	4.2	8.3											
		TCE-WQM1	Fine	Moderate	20:13	8.9	Surface	1.0	1	23.4	8.1	30.3	6.6	92.7	8.8	9.2	6.6	9.5	10.1								
									2	23.4	8.1	30.3	6.6	92.8	8.9	8.7											
							Middle	4.5	1	23.4	8.1	30.3	6.6	92.8	9.3	10.6											
									2	23.4	8.1	30.3	6.6	92.8	9.3	9.2											
							Bottom	7.9	1	23.4	8.1	30.3	6.7	93.5	10.4	12.4											
									2	23.4	8.1	30.3	6.7	93.4	10.4	10.6											
		TCE-WQM2a	Fine	Moderate	20:47	7.4	Surface	1.0	1	23.1	8.1	29.9	6.7	92.2	10.2	10.6	6.6	7.6	11.4								
									2	23.1	8.1	29.9	6.7	92.3	10.2	12.1											
							Middle	3.7	1	23.0	8.1	30.0	6.5	90.5	6.3	12.0											
									2	23.0	8.1	30.0	6.5	90.6	6.4	10.7											
							Bottom	6.4	1	23.0	8.1	30.1	6.5	90.5	6.3	11.0											
									2	23.0	8.1	30.1	6.5	90.4	6.3	12.1											
	TCE-WQM2b	Fine	Moderate	21:04	11.6	Surface	1.0	1	23.0	8.1	30.0	6.5	90.7	4.8	6.3	6.4	5.5	6.4									
								2	23.0	8.1	30.0	6.5	90.7	4.9	7.3												
						Middle	5.8	1	23.1	8.1	30.6	6.2	85.9	4.7	6.7												
								2	23.1	8.1	30.6	6.2	86.0	4.7	7.2												
						Bottom	10.6	1	23.1	8.1	31.1	6.1	85.7	6.9	4.9												
								2	23.1	8.1	31.1	6.1	85.6	6.9	5.7												
	TCE-WQM3A	Fine	Moderate	20:37	4.1	Surface	1.0	1	23.2	8.1	30.1	6.8	93.9	5.1	4.4	6.8	5.7	5.1									
								2	23.2	8.1	30.1	6.8	93.9	5.1	3.7												
						Bottom	3.1	1	23.2	8.1	30.1	6.8	94.6	6.4	6.0												
								2	23.2	8.1	30.1	6.8	94.6	6.2	6.2												
						TCE-WQM4	Fine	Moderate	20:24	3.4	Surface	1.0	1	23.1	8.1				30.0	6.7	93.3	9.0	11.9	6.7	9.4	10.6	
													2	23.1	8.1				30.0	6.7	93.3	9.1	12.0				
	Bottom	2.4	1	23.1	8.1						30.0	6.8	94.0	9.6	8.4												
			2	23.1	8.1						30.0	6.8	93.9	9.7	10.1												
	Mid-Flood	TCE-C1	Fine	Moderate	15:38						9.2	Surface	1.0	1	23.1	8.0	30.5	6.7	93.4	6.6	10.0	6.7	26.1				9.8
														2	23.1	8.0	30.5	6.7	93.3	6.6	10.3						
						Middle	4.6	1	23.1	8.0		31.1	6.6	92.2	19.4	9.9											
								2	23.1	8.0		31.1	6.6	92.2	17.1	8.3											
						Bottom	8.2	1	23.1	8.0		31.3	6.6	92.1	48.6	9.0											
								2	23.1	8.0		31.3	6.6	92.2	58.3	11.0											
		TCE-C2	Fine	Moderate	13:31	11.9	Surface	1.0	1	23.4	8.1	30.0	6.5	91.1	4.1	5.0	6.5	6.1	4.5								
									2	23.4	8.1	30.0	6.5	91.1	4.1	4.4											
							Middle	6.0	1	23.0	8.1	30.2	6.4	88.5	5.4	4.8											
									2	23.0	8.1	30.2	6.4	88.6	5.4	4.9											
Bottom							10.9	1	23.1	8.1	30.7	6.2	86.6	8.8	4.1												
								2	23.0	8.1	30.7	6.2	86.4	8.7	4.0												
TCE-WQM1		Fine	Moderate	14:42	8.7	Surface	1.0	1	23.4	8.1	30.1	6.8	94.9	10.1	10.2	6.8	11.5	12.9									
								2	23.4	8.1	30.1	6.8	94.9	10.2	11.5												
						Middle	4.4	1	23.4	8.1	30.3	6.8	95.0	10.2	12.4												
								2	23.4	8.1	30.3	6.8	95.1	10.3	11.9												
						Bottom	7.7	1	23.2	8.1	30.3	6.7	93.8	14.1	16.0												
								2	23.2	8.1	30.3	6.7	93.7	14.1	15.3												
TCE-WQM2a		Fine	Moderate	14:07	7.1	Surface	1.0	1	23.1	8.1	29.7	6.7	92.4	7.7	9.1	6.7	13.8	9.5									
								2	23.1	8.1	29.7	6.7	92.4	7.6	8.7												
						Middle	3.6	1	23.0	8.1	29.8	6.7	92.0	13.7	8.4												
								2	23.0	8.1	29.8	6.7	92.0	13.9	8.3												
						Bottom	6.1	1	23.0	8.1	30.1	6.7	92.8	20.0	12.1												
								2	23.0	8.1	30.1	6.7	92.7	20.1	10.6												
TCE-WQM2b	Fine	Moderate	13:55	7.4	Surface	1.0	1	23.1	8.1	29.9	6.5	90.6	11.3	18.2	6.5	14.2	13.7										
							2	23.1	8.1	29.9	6.5	90.6	11.3	17.2													
					Middle	3.7	1	22.9	8.1	30.0	6.5	89.8	15.3	13.8													
							2	22.9	8.1	30.0	6.5	89.8	15.4	14.4													
					Bottom	6.4	1	22.9	8.1	30.0	6.5	90.5	15.9	8.8													
							2	22.9	8.1	30.0	6.5	90.6	15.8	9.7													
TCE-WQM3A	Fine	Moderate	14:19	3.9	Surface	1.0	1	23.2	8.1	30.0	6.7	93.3	11.1	9.2	6.7	14.4	8.6										
							2	23.2	8.1	30.0	6.7	93.3	11.2	8.2													
					Bottom	2.9	1	23.2	8.1	30.1	6.7	93.9	18.0	9.0													
							2	23.2	8.1	30.1	6.7	93.8	17.1	8.0													
					TCE-WQM4	Fine	Moderate	14:30	3.2	Surface	1.0	1	23.2	8.1				30.1	6.7	93.0	10.8	11.5	6.7	11.9	9.7		
												2	23.2	8.1				30.1	6.7	93.0	10.6	10.4					
Bottom	2.2	1	23.1	8.1						30.2	6.7	92.8	13.0	8.1													
		2	23.1	8.1						30.2	6.7	92.8	13.0	8.6													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
04-12-2018	Mid-Ebb	TCE-C1	Fine	Moderate	9:11	8.3	Surface	1.0	1	23.2	8.2	29.5	6.8	94.0	6.7	6.2	6.8	8.3	6.6							
									2	23.2	8.2	29.5	6.8	94.0	6.4	5.7										
							Middle	4.2	1	23.2	8.1	31.5	6.7	93.7	7.5	6.6										
									2	23.2	8.1	31.5	6.7	93.6	7.6	6.0										
							Bottom	7.3	1	23.1	8.1	31.7	6.7	93.5	10.7	7.9										
									2	23.1	8.1	31.7	6.7	93.5	10.7	7.2										
		TCE-C2	Fine	Moderate	11:01	12.7	Surface	1.0	1	23.4	8.1	29.6	6.6	91.4	3.0	3.7	6.4	4.4	5.1							
									2	23.4	8.1	29.6	6.6	91.4	2.9	4.3										
							Middle	6.4	1	23.3	8.1	30.2	6.2	87.0	4.4	4.1										
									2	23.3	8.1	30.2	6.3	87.3	4.3	3.8										
							Bottom	11.7	1	23.3	8.1	30.7	6.2	86.3	6.0	7.5										
									2	23.3	8.1	30.7	6.2	86.3	5.9	7.3										
		TCE-WQM1	Fine	Calm	9:51	8.8	Surface	1.0	1	23.6	8.1	29.9	6.6	92.0	4.7	5.7	6.6	4.7	6.1							
									2	23.6	8.1	29.9	6.6	92.0	4.6	6.1										
							Middle	4.4	1	23.6	8.1	29.9	6.6	91.8	4.7	6.2										
									2	23.6	8.1	29.9	6.6	91.8	4.6	5.7										
							Bottom	7.8	1	23.6	8.1	30.0	6.6	92.0	4.6	6.7										
									2	23.6	8.1	30.0	6.6	91.9	4.7	6.0										
		TCE-WQM2a	Fine	Moderate	10:24	6.8	Surface	1.0	1	23.4	8.1	29.6	6.5	90.0	5.4	6.4	6.5	5.4	6.5							
									2	23.4	8.1	29.6	6.5	90.1	5.4	6.0										
							Middle	3.4	1	23.4	8.1	29.7	6.4	89.7	5.0	5.8										
									2	23.4	8.1	29.7	6.4	89.7	5.0	5.5										
							Bottom	5.8	1	23.4	8.1	29.8	6.5	90.0	5.7	7.8										
									2	23.4	8.1	29.8	6.5	89.9	5.7	7.5										
	TCE-WQM2b	Fine	Moderate	10:36	11.1	Surface	1.0	1	23.6	8.1	28.0	6.6	91.9	3.7	4.0	6.6	6.0	5.3								
								2	23.6	8.1	27.8	6.6	91.9	3.8	3.7											
						Middle	5.6	1	23.5	8.1	29.5	6.6	91.4	3.7	5.9											
								2	23.5	8.1	29.5	6.6	91.5	3.7	5.1											
						Bottom	10.1	1	23.3	8.2	30.1	6.3	88.2	10.6	6.5											
								2	23.3	8.2	30.1	6.3	88.1	10.7	6.3											
	TCE-WQM3A	Fine	Calm	10:13	4.1	Surface	1.0	1	23.5	8.1	29.5	6.5	91.2	8.3	7.1	6.5	9.8	6.8								
								2	23.5	8.1	29.5	6.5	91.2	8.0	6.5											
						Bottom	3.1	1	23.5	8.1	29.6	6.6	91.4	11.1	7.0											
								2	23.5	8.1	29.6	6.6	91.3	11.7	6.7											
						TCE-WQM4	Fine	Calm	10:02	3.9	Surface	1.0	1	23.5	8.1				29.7	6.5	90.6	7.1	4.9	6.5	8.9	4.8
												2	23.5	8.1	29.7				6.5	90.7	6.7	4.7				
	Bottom	2.9	1	23.4	8.1	29.7					6.5	90.4	10.9	5.0												
			2	23.4	8.1	29.7					6.5	90.4	10.9	4.4												
	Mid-Flood	TCE-C1	Cloudy	Moderate	5:29	8.0					Surface	1.0	1	23.2	8.2	30.1	6.8	94.1	6.8	3.8	6.8	9.9	4.0			
													2	23.3	8.2	29.9	6.8	94.1	6.6	3.5						
							Middle	4.0	1	23.2	8.0	31.5	6.7	93.6	9.9	3.6										
									2	23.2	8.0	31.5	6.7	93.6	9.6	3.6										
							Bottom	7.0	1	23.1	8.0	31.7	6.7	93.5	13.1	4.8										
									2	23.1	8.0	31.7	6.7	93.5	13.1	4.7										
		TCE-C2	Cloudy	Moderate	3:31	12.1	Surface	1.0	1	23.3	8.2	30.1	6.3	88.3	3.3	4.7	6.3	4.1	4.9							
									2	23.3	8.2	30.1	6.3	88.3	3.3	4.3										
							Middle	6.1	1	23.3	8.1	30.9	6.2	87.2	4.1	4.7										
									2	23.3	8.1	30.9	6.2	87.1	4.0	4.7										
Bottom							11.1	1	23.3	8.1	31.1	6.2	87.2	5.0	6.0											
								2	23.3	8.1	31.1	6.2	87.2	5.1	5.2											
TCE-WQM1		Cloudy	Calm	4:43	8.6	Surface	1.0	1	23.5	8.2	29.8	6.6	91.8	5.5	5.7	6.6	7.8	5.9								
								2	23.5	8.2	29.8	6.6	91.8	5.5	5.6											
						Middle	4.3	1	23.5	8.1	29.8	6.6	91.7	6.0	6.5											
								2	23.5	8.1	29.8	6.6	91.7	5.9	6.4											
						Bottom	7.6	1	23.5	8.1	29.8	6.6	91.5	12.3	5.2											
								2	23.5	8.1	29.8	6.6	91.5	11.6	5.9											
TCE-WQM2a		Cloudy	Moderate	4:09	7.4	Surface	1.0	1	23.3	8.2	29.3	6.5	90.8	9.1	7.0	6.5	9.9	6.6								
								2	23.3	8.2	29.3	6.5	90.8	8.3	7.4											
						Middle	3.7	1	23.3	8.1	29.3	6.5	90.7	9.2	7.2											
								2	23.3	8.1	29.3	6.5	90.7	9.3	7.6											
						Bottom	6.4	1	23.4	8.0	29.7	6.5	89.8	11.8	5.4											
								2	23.4	8.0	29.6	6.5	89.8	11.7	4.8											
TCE-WQM2b	Cloudy	Moderate	3:56	10.8	Surface	1.0	1	23.3	8.1	29.4	6.5	90.0	5.9	4.1	6.5	7.6	5.5									
							2	23.3	8.1	29.4	6.5	90.0	6.0	4.0												
					Middle	5.4	1	23.4	8.1	29.6	6.4	89.3	7.8	5.5												
							2	23.4	8.1	29.6	6.4	89.3	7.5	5.9												
					Bottom	9.8	1	23.3	8.1	29.9	6.4	89.3	9.2	6.7												
							2	23.3	8.1	29.9	6.4	89.2	9.1	6.5												
TCE-WQM3A	Cloudy	Calm	4:21	4.3	Surface	1.0	1	23.5	8.1	29.6	6.6	91.7	5.3	7.2	6.6	5.3	5.7									
							2	23.5	8.1	29.6	6.6	91.7	5.2	3.9												
					Bottom	3.3	1	23.5	8.0	29.6	6.6	92.2	5.2	6.8												
							2	23.5	8.0	29.6	6.6	92.1	5.3	4.8												
					TCE-WQM4	Cloudy	Calm	4:31	3.7	Surface	1.0	1	23.3	8.2				29.6	6.5	90.2	13.4	4.8	6.6	13.6	4.7	
											2	23.3	8.2	29.6				6.5	90.2	12.7	5.1					
Bottom	2.7	1	23.3	8.1	29.6					6.6	92.2	14.0	4.5													
		2	23.3	8.1	29.6					6.6	91.8	14.2	4.4													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
06-12-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:47	8.2	Surface	1.0	1	23.3	8.1	30.9	7.2	100.8	8.0	6.2	7.1	12.6	7.8								
									2	23.3	8.1	31.0	7.2	100.7	8.2	6.3											
							Middle	4.1	1	23.2	8.1	32.3	7.1	99.9	13.6	6.9											
									2	23.2	8.1	32.3	7.1	99.8	13.8	6.9											
							Bottom	7.2	1	23.2	8.1	32.4	7.0	99.2	16.0	10.4											
									2	23.2	8.1	32.4	7.0	99.1	16.2	9.9											
		TCE-C2	Cloudy	Moderate	12:50	12.3	Surface	1.0	1	23.5	8.0	30.3	6.5	90.8	6.7	3.7	6.4	6.6	4.4								
									2	23.5	8.0	30.3	6.5	90.7	6.7	3.3											
							Middle	6.2	1	23.4	8.0	30.8	6.4	89.5	6.5	4.6											
									2	23.4	8.0	30.8	6.4	89.5	6.5	4.5											
							Bottom	11.3	1	23.4	8.1	30.9	6.4	90.2	6.5	5.2											
									2	23.4	8.1	30.9	6.4	90.3	6.6	4.8											
		TCE-WQM1	Cloudy	Moderate	11:46	7.7	Surface	1.0	1	23.7	8.1	29.5	6.8	94.7	7.1	5.9	6.8	8.4	7.0								
									2	23.7	8.1	29.5	6.8	94.7	7.1	6.2											
							Middle	3.9	1	23.7	8.1	29.5	6.8	94.7	7.7	7.4											
									2	23.7	8.1	29.5	6.8	94.7	7.9	7.2											
							Bottom	6.7	1	23.7	8.1	29.5	6.8	94.7	10.6	7.3											
									2	23.7	8.1	29.5	6.8	94.8	10.2	8.0											
		TCE-WQM2a	Cloudy	Moderate	12:18	7.2	Surface	1.0	1	23.6	8.1	29.5	6.9	95.6	9.1	9.3	6.8	9.1	9.0								
									2	23.6	8.1	29.5	6.9	95.6	9.1	8.9											
							Middle	3.6	1	23.6	8.1	29.5	6.8	94.8	9.0	9.1											
									2	23.6	8.1	29.5	6.9	94.8	9.0	9.6											
							Bottom	6.2	1	23.5	8.1	29.5	6.7	93.2	8.7	8.9											
									2	23.5	8.1	29.5	6.7	93.2	9.6	8.3											
	TCE-WQM2b	Cloudy	Moderate	12:29	10.4	Surface	1.0	1	23.7	8.0	29.6	6.8	95.1	4.2	4.7	6.7	6.9	4.3									
								2	23.7	8.0	29.6	6.8	95.0	4.2	4.9												
						Middle	5.2	1	23.5	8.1	29.9	6.6	92.0	6.2	4.4												
								2	23.5	8.1	29.9	6.6	92.0	6.3	4.5												
						Bottom	9.4	1	23.5	8.1	30.1	6.6	92.3	10.3	3.8												
								2	23.5	8.1	30.1	6.6	92.4	10.1	3.2												
	TCE-WQM3A	Cloudy	Calm	12:07	4.1	Surface	1.0	1	23.6	8.1	29.2	6.8	94.9	5.8	4.4	6.8	5.9	4.9									
								2	23.6	8.1	29.2	6.8	95.0	5.8	4.0												
						Bottom	3.1	1	23.6	8.1	29.2	7.0	96.9	6.0	5.4												
								2	23.6	8.1	29.2	7.0	97.1	6.0	5.8												
						TCE-WQM4	Cloudy	Calm	11:57	3.3	Surface	1.0	1	23.8	8.0				29.3	6.9	97.1	4.4	4.8	6.9	4.7	5.3	
													2	23.7	8.0				29.3	6.9	97.1	4.4	5.0				
	Bottom	2.3	1	23.7	8.1						29.4	7.0	97.4	5.0	5.7												
			2	23.7	8.1						29.4	7.0	97.4	5.1	5.7												
	Mid-Flood	TCE-C1	Cloudy	Moderate	6:48						8.1	Surface	1.0	1	23.2	8.1	32.0	7.0	99.0	15.2	6.2	7.0	14.8				6.1
														2	23.2	8.1	32.0	7.0	99.0	15.4	5.9						
						Middle	4.1	1	23.2	8.1		32.1	7.0	98.9	16.9	6.3											
								2	23.2	8.1		32.1	7.0	98.8	16.8	6.7											
						Bottom	7.1	1	23.2	8.1		32.2	7.0	98.2	12.6	5.9											
								2	23.2	8.1		32.2	7.0	98.1	12.3	5.8											
						TCE-C2	Cloudy	Moderate	5:13	12.0		Surface	1.0	1	23.5	8.0	30.2	6.5	90.8	4.2	3.6			6.4	7.9	3.8	
														2	23.5	8.0	30.3	6.5	90.7	4.3	3.8						
												Middle	6.0	1	23.4	8.0	31.0	6.4	89.8	8.3	4.1						
														2	23.4	8.0	31.0	6.4	89.9	8.4	3.8						
Bottom												11.0	1	23.4	8.0	31.0	6.5	90.7	11.0	3.7							
													2	23.4	8.0	31.0	6.5	90.8	11.0	3.8							
TCE-WQM1		Cloudy	Moderate	6:18	8.0	Surface	1.0	1	23.6	8.0	29.3	6.8	94.3	5.9	5.5	6.8	8.0	6.0									
								2	23.6	8.0	29.3	6.8	94.3	5.9	5.8												
						Middle	4.0	1	23.6	8.1	29.3	6.8	94.2	7.0	5.2												
								2	23.6	8.1	29.3	6.8	94.2	7.3	5.9												
						Bottom	7.0	1	23.6	8.1	29.3	6.7	94.1	10.5	6.9												
								2	23.6	8.1	29.3	6.7	94.1	11.2	6.8												
TCE-WQM2a		Cloudy	Moderate	5:45	7.5	Surface	1.0	1	23.5	8.1	29.4	6.8	94.0	6.1	4.6	6.7	7.9	6.1									
								2	23.5	8.1	29.4	6.8	94.0	6.1	5.3												
						Middle	3.8	1	23.5	8.1	29.4	6.7	93.5	7.6	5.1												
								2	23.5	8.1	29.4	6.7	93.4	7.7	6.0												
						Bottom	6.5	1	23.5	8.1	29.5	6.7	93.3	9.8	8.1												
								2	23.5	8.1	29.5	6.7	93.3	9.9	7.7												
TCE-WQM2b	Cloudy	Moderate	5:35	9.8	Surface	1.0	1	23.5	8.0	29.7	6.6	92.3	8.7	8.9	6.6	10.1	8.1										
							2	23.5	8.0	29.7	6.6	92.3	8.7	9.0													
					Middle	4.9	1	23.5	8.0	29.7	6.6	91.9	10.7	7.7													
							2	23.5	8.0	29.7	6.6	91.9	10.8	7.9													
					Bottom	8.8	1	23.5	8.0	29.8	6.6	92.1	10.8	7.9													
							2	23.5	8.0	29.8	6.6	92.1	10.7	7.1													
TCE-WQM3A	Cloudy	Calm	5:59	4.3	Surface	1.0	1	23.5	8.1	29.3	6.7	92.5	6.5	6.8	6.7	7.4	6.7										
							2	23.5	8.1	29.3	6.7	92.5	6.5	6.2													
					Bottom	3.3	1	23.4	8.1	29.4	6.7	93.6	8.1	7.0													
							2	23.4	8.1	29.4	6.7	93.7	8.4	6.8													
					TCE-WQM4	Cloudy	Calm	6:11	3.5	Surface	1.0	1	23.4	8.1				29.5	6.7	93.6	8.6	9.0	6.7	11.9	9.7		
												2	23.4	8.1				29.5	6.7	93.6	8.6	8.7					
Bottom	2.5	1	23.4	8.1						29.6	6.7	93.6	15.1	10.3													
		2	23.4	8.1						29.6	6.7	93.7	15.3	10.9													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
08-12-2018	Mid-Ebb	TCE-C1	Cloudy	Rough	12:04	8.4	Surface	1.0	1	22.7	8.0	29.8	7.2	99.6	12.9	10.9	7.2	15.5	10.8								
									2	22.7	8.0	29.8	7.2	99.7	12.9	11.1											
							Middle	4.2	1	22.9	8.0	32.2	7.2	100.5	17.0	10.7											
									2	22.9	8.0	32.3	7.2	100.6	17.0	10.7											
							Bottom	7.4	1	22.9	8.0	32.4	7.2	100.8	16.7	10.3											
									2	22.9	8.0	32.4	7.2	100.9	16.7	11.2											
		TCE-C2	Cloudy	Moderate	13:57	11.7	Surface	1.0	1	22.9	8.0	29.8	6.7	92.7	7.6	5.4	6.6	8.5	6.8								
									2	22.9	8.0	29.9	6.7	92.4	7.6	5.8											
							Middle	5.9	1	23.1	8.0	31.1	6.5	90.7	8.8	6.7											
									2	23.1	8.0	31.1	6.5	90.7	8.8	6.0											
							Bottom	10.7	1	23.0	8.0	31.5	6.6	92.0	9.1	8.7											
									2	23.0	8.0	31.5	6.6	92.4	9.1	8.4											
		TCE-WQM1	Cloudy	Moderate	12:45	7.5	Surface	1.0	1	22.8	8.0	29.3	6.6	90.7	9.5	9.5	6.6	9.9	9.0								
									2	22.8	8.0	29.3	6.6	90.7	9.5	9.5											
							Middle	3.8	1	22.7	7.9	29.3	6.7	91.3	9.9	8.9											
									2	22.7	7.9	29.3	6.7	91.4	9.9	8.2											
							Bottom	6.5	1	22.7	7.9	29.2	6.9	94.9	10.4	8.7											
									2	22.7	7.9	29.3	6.9	95.2	10.4	8.9											
		TCE-WQM2a	Cloudy	Moderate	13:20	7.6	Surface	1.0	1	22.9	8.0	29.9	6.6	91.6	8.2	7.7	6.6	11.1	8.1								
									2	22.9	8.0	29.9	6.6	91.6	8.2	7.3											
							Middle	3.8	1	23.0	8.0	30.2	6.5	90.4	8.6	8.1											
									2	23.0	8.0	30.3	6.5	90.3	8.8	8.4											
							Bottom	6.6	1	23.1	7.9	30.7	6.5	90.5	16.4	8.7											
									2	23.1	7.9	30.6	6.5	90.5	16.4	8.3											
	TCE-WQM2b	Cloudy	Moderate	13:33	9.9	Surface	1.0	1	22.9	8.0	29.7	6.7	92.2	8.4	5.3	6.6	9.2	6.4									
								2	22.9	8.0	29.8	6.7	92.1	8.5	5.9												
						Middle	5.0	1	23.0	8.0	30.5	6.6	91.8	9.1	6.7												
								2	23.0	8.0	30.7	6.6	91.9	9.3	6.3												
						Bottom	8.9	1	23.0	7.9	31.1	6.6	92.3	10.1	7.0												
								2	23.0	7.9	31.1	6.6	92.4	10.1	7.3												
	TCE-WQM3A	Cloudy	Moderate	13:07	4.2	Surface	1.0	1	22.7	8.0	29.2	6.8	93.4	9.6	8.1	6.8	9.8	8.6									
								2	22.7	8.0	29.2	6.8	93.4	9.6	8.1												
						Bottom	3.2	1	22.6	8.0	29.3	6.9	94.5	10.1	8.8												
								2	22.6	8.0	29.3	6.9	94.8	10.1	9.0												
						TCE-WQM4	Cloudy	Moderate	12:57	3.0	Surface	1.0	1	22.8	7.9				29.5	6.9	94.9	11.4	11.7	6.9	11.4	11.8	
													2	22.8	7.9				29.5	6.9	95.3	11.5	12.4				
	Bottom	2.0	1	22.8	7.9						29.4	7.1	97.7	11.4	11.5												
			2	22.8	7.9						29.5	7.1	98.3	11.4	11.7												
	Mid-Flood	TCE-C1	Cloudy	Rough	10:10						8.3	Surface	1.0	1	22.7	8.0	30.2	7.1	97.4	13.3	13.0	7.0	15.7				12.9
														2	22.7	8.0	30.4	7.1	97.4	13.1	12.6						
						Middle	4.2	1	22.8	8.0		31.4	7.0	97.8	16.9	13.0											
								2	22.8	8.0		31.5	7.0	97.8	15.6	12.6											
						Bottom	7.3	1	22.8	8.0		31.6	7.0	97.8	17.6	12.9											
								2	22.8	8.0		31.6	7.0	97.8	17.6	13.2											
			TCE-C2	Cloudy	Moderate	8:01	11.8	Surface	1.0	1	23.0	7.9	29.8	6.6	91.0	9.7	8.0	6.5	12.6	7.9							
										2	23.0	7.9	29.9	6.6	90.9	10.0	7.2										
								Middle	5.9	1	23.1	7.9	30.5	6.5	90.4	13.6	7.8										
										2	23.1	7.9	30.6	6.5	90.5	13.9	8.0										
								Bottom	10.8	1	23.1	7.9	30.7	6.6	91.3	14.2	8.4										
										2	23.1	7.9	30.7	6.6	91.6	14.2	8.2										
			TCE-WQM1	Cloudy	Moderate	9:11	8.0	Surface	1.0	1	22.7	8.0	29.3	6.6	90.6	9.1	9.8	6.6	9.8	9.7							
										2	22.7	8.0	29.3	6.6	90.7	9.2	9.5										
								Middle	4.0	1	22.7	8.0	29.4	6.6	90.8	9.9	9.2										
										2	22.7	8.0	29.4	6.6	90.9	9.9	8.9										
								Bottom	7.0	1	22.7	7.9	29.4	6.7	91.5	10.1	10.5										
										2	22.7	7.9	29.4	6.7	91.7	10.3	10.4										
			TCE-WQM2a	Cloudy	Moderate	8:38	7.4	Surface	1.0	1	22.8	8.0	29.3	6.7	92.4	9.8	8.5	6.7	10.4	8.6							
										2	22.8	8.0	29.3	6.7	92.4	9.8	8.2										
								Middle	3.7	1	22.8	7.9	29.3	6.7	92.4	10.7	8.1										
										2	22.8	7.9	29.3	6.7	92.5	10.9	8.3										
								Bottom	6.4	1	22.8	7.9	29.3	6.8	93.2	10.7	8.8										
										2	22.8	7.9	29.3	6.8	93.3	10.7	9.4										
		TCE-WQM2b	Cloudy	Moderate	8:25	10.7	Surface	1.0	1	22.9	8.0	29.6	6.8	93.1	16.4	18.6	6.8	16.4	18.8								
									2	22.9	8.0	29.6	6.8	93.2	16.4	19.4											
							Middle	5.4	1	22.9	8.0	29.6	6.8	94.1	16.5	17.5											
									2	22.9	8.0	29.6	6.8	94.3	16.5	18.6											
							Bottom	9.7	1	22.8	8.0	29.6	6.9	95.6	16.3	19.8											
									2	22.8	8.0	29.6	7.0	95.9	16.3	18.8											
		TCE-WQM3A	Cloudy	Moderate	8:49	4.3	Surface	1.0	1	22.7	8.0	29.2	6.6	90.6	9.9	9.0	6.6	11.3	9.5								
									2	22.7	8.0	29.2	6.6	90.6	9.9	8.4											
							Bottom	3.3	1	22.6	7.9	29.3	6.9	94.0	12.6	10.5											
									2	22.6	7.9	29.3	6.9	94.2	12.9	10.0											
							TCE-WQM4	Cloudy	Moderate	9:00	3.3	Surface	1.0	1	22.8	7.9				29.5	6.7	91.6	13.5	15.6	6.7	14.0	14.6
														2	22.8	7.9				29.5	6.7	91.6	13.5	15.6			
		Bottom	2.3	1	22.8	7.9						29.5	6.8	93.4	14.4	13.9											
				2	22.8	7.9						29.4	6.8	93.7	14.4	13.9											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
11-12-2018	Mid-Ebb	TCE-C1	Fine	Rough	13:54	8.8	Surface	1.0	1	20.8	8.2	31.9	7.3	98.3	8.1	11.4	7.4	11.9	10.5	
									2	20.8	8.2	31.9	7.3	98.4	8.1	10.0				
							Middle	4.4	1	20.8	8.3	32.6	7.4	100.0	13.7	9.4				
									2	20.8	8.3	32.6	7.4	100.1	13.6	9.6				
							Bottom	7.8	1	20.8	8.3	32.6	7.5	101.1	14.1	11.3				
									2	20.8	8.3	32.6	7.5	101.2	14.0	11.0				
				2	21.6	8.2	32.4	6.9	94.6	5.3	7.4									
				2	21.6	8.2	32.4	6.9	94.6	5.3	8.4									
				1	21.7	8.2	32.5	6.9	94.7	5.5	6.2									
				2	21.7	8.2	32.5	6.9	94.8	5.5	7.3									
				1	21.7	8.2	32.7	7.0	95.9	6.0	6.0									
				2	21.7	8.2	32.7	7.0	96.1	6.0	6.4									
				1	20.8	8.1	31.0	6.9	92.3	7.6	5.6									
				2	20.8	8.1	31.0	6.9	92.4	7.6	6.0									
				1	20.8	8.1	31.0	6.9	92.9	8.1	7.3									
				2	20.8	8.1	31.0	7.0	93.0	8.1	5.6									
				1	20.7	8.1	31.0	7.0	94.1	8.1	5.3									
				2	20.7	8.1	31.0	7.0	94.2	8.3	4.3									
				1	21.0	8.2	31.7	7.1	96.3	9.2	9.3									
				2	21.0	8.2	31.7	7.1	96.3	9.2	8.0									
				1	20.9	8.2	31.7	7.2	96.6	9.7	8.6									
				2	20.9	8.2	31.7	7.2	96.6	9.8	7.8									
				1	20.8	8.2	31.7	7.3	97.5	10.2	7.7									
				2	20.8	8.2	31.7	7.3	97.7	10.3	8.0									
			1	21.1	8.2	31.9	6.9	93.6	6.9	4.9										
			2	21.2	8.2	31.9	6.9	93.5	7.1	5.9										
			1	21.5	8.2	32.2	6.8	92.8	8.9	4.9										
			2	21.5	8.2	32.2	6.8	92.9	8.9	5.6										
			1	21.7	8.2	32.6	6.9	94.2	9.2	5.2										
			2	21.7	8.2	32.6	6.9	94.3	9.3	6.5										
			1	20.8	8.2	30.7	7.2	95.9	9.8	6.1										
			2	20.8	8.2	30.7	7.2	96.0	10.2	6.1										
			1	20.8	8.2	30.7	7.4	98.2	11.7	3.4										
			2	20.8	8.2	30.7	7.4	98.7	11.8	3.2										
			1	21.0	8.2	31.0	7.1	95.8	12.1	10.3										
			2	21.0	8.2	31.0	7.1	96.0	12.1	10.3										
			1	21.0	8.2	31.0	7.4	99.3	11.0	12.4										
			2	21.0	8.2	31.0	7.4	99.5	11.0	11.3										
		Mid-Flood	TCE-C1	Cloudy	Rough	11:25	8.4	Surface	1.0	1	20.9	8.2	32.3	7.3	98.2	10.9	15.2	7.2	12.8	15.9
									2	20.9	8.2	32.3	7.3	98.1	10.3	16.3				
	Middle							4.2	1	21.0	8.2	32.5	7.2	98.0	12.2	15.7				
									2	21.0	8.2	32.5	7.2	98.1	12.4	15.2				
	Bottom							7.4	1	21.0	8.2	32.7	7.3	98.7	15.3	17.3				
									2	21.0	8.2	32.7	7.3	98.8	15.3	15.5				
				1	21.4	8.1	32.0	6.8	92.2	9.0	14.0									
				2	21.4	8.1	32.0	6.8	92.2	9.2	13.8									
				1	21.4	8.1	32.0	6.8	92.3	10.3	11.6									
				2	21.4	8.1	32.0	6.8	92.3	10.6	11.4									
			1	21.4	8.1	32.0	6.8	93.0	11.4	12.1										
			2	21.4	8.1	32.0	6.8	93.1	11.1	12.6										
			1	20.7	8.1	30.9	6.9	92.0	12.1	11.9										
			2	20.7	8.1	30.9	6.9	92.0	12.1	13.9										
			1	20.6	8.1	30.9	7.0	92.8	12.6	11.7										
			2	20.6	8.1	30.9	7.0	92.9	12.6	12.4										
			1	20.6	8.1	30.9	7.0	93.8	12.9	16.2										
			2	20.6	8.1	31.0	7.0	93.9	13.2	15.3										
			1	21.0	8.2	31.7	7.0	95.0	8.7	10.0										
			2	21.0	8.2	31.7	7.0	95.0	8.7	9.9										
			1	21.0	8.2	31.7	7.1	96.2	8.8	12.1										
			2	21.0	8.2	31.7	7.1	96.4	8.9	10.7										
			1	21.0	8.2	31.7	7.4	99.2	8.7	10.3										
			2	21.0	8.2	31.7	7.4	99.6	8.7	11.3										
		1	20.8	8.2	31.7	7.1	95.1	9.7	11.2											
		2	20.8	8.2	31.7	7.1	95.1	9.7	13.1											
		1	20.8	8.2	31.7	7.1	95.5	10.6	11.3											
		2	20.8	8.2	31.7	7.1	95.6	10.7	11.4											
		1	20.8	8.1	31.7	7.2	96.7	11.0	10.8											
		2	20.8	8.1	31.7	7.2	96.8	11.0	12.3											
		1	20.6	8.2	30.7	7.0	92.6	7.4	7.2											
		2	20.6	8.2	30.7	7.0	92.6	7.5	8.4											
		1	20.7	8.2	31.0	7.1	94.7	13.1	7.1											
		2	20.7	8.2	31.0	7.1	94.8	13.0	7.6											
		1	21.1	8.1	31.3	6.9	93.5	12.0	10.8											
		2	21.1	8.1	31.3	6.9	93.6	12.0	10.5											
		1	21.1	8.1	31.3	7.0	95.0	13.7	11.9											
		2	21.1	8.1	31.3	7.1	95.1	13.7	11.2											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
13-12-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	5:51	8.6	Surface	1.0	1	20.3	8.3	32.3	7.4	98.6	11.3	6.6	7.4	12.0	13.2		
									2	20.3	8.3	32.3	7.4	98.6	11.3	6.6					
							Middle	4.3	1	20.3	8.3	32.3	7.4	98.3	12.1	14.3					
									2	20.3	8.3	32.3	7.4	98.3	12.1	15.7					
							Bottom	7.6	1	20.3	8.3	32.3	7.3	98.0	11.5	18.1					
									2	20.3	8.3	32.3	7.3	98.1	13.9	17.8					
				2	20.9	8.3	31.9	7.0	94.4	5.8	9.2										
		TCE-C2	Cloudy	Moderate	4:00	13.5	Surface	1.0	1	20.9	8.3	31.9	7.0	94.4	5.8	8.9	7.0	7.0	8.6		
									2	21.0	8.2	31.9	7.0	94.4	6.3	9.1					
							Middle	6.8	1	21.0	8.2	31.9	7.0	94.4	6.3	9.3					
									2	21.0	8.2	31.9	7.0	94.4	6.3	9.3					
							Bottom	12.5	1	20.9	8.2	31.9	7.1	95.2	8.9	7.4					
									2	20.9	8.1	31.9	7.1	95.4	8.9	7.7					
		TCE-WQM1	Cloudy	Moderate	5:14	8.5	Surface	1.0	1	19.9	8.2	30.9	7.1	93.2	7.5	11.5	7.1	9.7	9.9		
									2	19.9	8.2	30.9	7.1	93.2	7.6	11.2					
							Middle	4.3	1	19.8	8.2	30.9	7.1	93.2	9.7	9.4					
									2	19.8	8.2	30.9	7.1	93.2	9.8	9.4					
							Bottom	7.5	1	19.8	8.2	30.9	7.1	93.9	11.8	8.9					
									2	19.8	8.2	30.9	7.2	93.9	12.2	8.8					
		TCE-WQM2a	Cloudy	Moderate	4:43	7.0	Surface	1.0	1	19.8	8.2	30.8	7.1	93.6	4.9	7.2	7.1	5.6	6.6		
									2	19.8	8.2	30.8	7.1	93.6	4.9	7.6					
							Middle	3.5	1	20.3	8.2	31.1	7.0	93.4	5.7	5.9					
									2	20.3	8.2	31.1	7.0	93.5	5.7	6.1					
							Bottom	6.0	1	21.2	8.2	32.0	6.9	93.6	6.2	6.6					
								2	21.2	8.2	32.0	6.9	93.7	6.2	6.2						
	TCE-WQM2b	Cloudy	Moderate	4:30	10.8	Surface	1.0	1	20.9	8.3	32.1	7.0	94.7	6.2	10.0	7.0	6.4	9.0			
								2	20.9	8.3	32.1	7.0	94.7	6.3	9.4						
						Middle	5.4	1	20.9	8.3	32.1	7.0	94.6	6.4	9.0						
								2	20.9	8.3	32.1	7.0	94.7	6.4	8.2						
						Bottom	9.8	1	20.9	8.2	32.1	7.0	94.8	6.6	8.8						
								2	20.9	8.2	32.1	7.0	94.8	6.6	8.7						
	TCE-WQM3A	Cloudy	Moderate	4:55	4.2	Surface	1.0	1	19.7	8.2	30.6	7.2	94.0	4.5	4.6	7.2	6.2	4.3			
								2	20.0	8.2	30.9	7.2	94.9	8.1	4.0						
						Bottom	3.2	1	20.0	8.2	30.9	7.2	95.1	7.8	3.8						
								2	20.0	8.2	30.9	7.2	95.1	7.8	3.8						
						Surface	1.0	1	20.2	8.2	31.0	7.1	94.1	14.2	4.6				7.1	16.3	5.4
								2	20.2	8.2	31.0	7.1	94.2	14.2	5.0						
	Bottom	2.9	1	20.4	8.2	31.2	7.1	94.5	18.3	6.1											
			2	20.4	8.2	31.2	7.1	94.6	18.5	6.0											
	Surface	1.0	1	20.3	8.3	32.3	7.4	98.5	11.6	15.2	7.4	13.1	16.4								
			2	20.3	8.3	32.3	7.4	98.5	11.8	15.1											
	Middle	4.5	1	20.3	8.3	32.3	7.4	98.3	12.0	16.3											
			2	20.3	8.3	32.3	7.4	98.3	12.1	16.6											
	Bottom	7.9	1	20.3	8.3	32.3	7.3	98.1	16.4	17.6											
			2	20.3	8.3	32.3	7.3	98.1	14.4	17.6											
	TCE-C2	Cloudy	Moderate	12:35	13.8	Surface	1.0	1	21.5	8.3	32.4	7.0	96.5	4.6	10.1	7.0	5.4	6.8			
								2	21.5	8.3	32.4	7.0	96.5	4.6	10.4						
						Middle	6.9	1	21.5	8.3	32.4	7.0	96.2	4.8	5.7						
							2	21.5	8.3	32.4	7.0	96.2	4.9	6.4							
Bottom						12.8	1	21.5	8.3	32.4	7.1	96.6	6.6	4.4							
							2	21.5	8.3	32.4	7.1	96.7	6.8	3.6							
TCE-WQM1	Cloudy	Moderate	11:23	8.3	Surface	1.0	1	20.1	8.2	31.0	7.1	94.1	8.4	10.9	7.1	12.2	12.2				
							2	20.1	8.2	31.0	7.1	94.1	8.6	10.5							
					Middle	4.2	1	20.0	8.2	31.0	7.1	94.0	11.7	13.0							
							2	20.0	8.2	31.0	7.1	94.1	11.8	12.9							
					Bottom	7.3	1	19.9	8.3	30.9	7.1	94.0	15.2	13.0							
							2	19.9	8.3	30.9	7.1	94.0	17.7	13.1							
TCE-WQM2a	Cloudy	Moderate	11:56	7.0	Surface	1.0	1	20.4	8.3	31.8	7.3	97.9	4.3	5.0	7.3	4.7	6.5				
							2	20.4	8.3	31.8	7.3	97.9	4.3	5.3							
					Middle	3.5	1	20.5	8.3	31.8	7.3	97.7	4.6	5.0							
							2	20.5	8.3	31.8	7.3	97.8	4.6	4.9							
					Bottom	6.0	1	20.4	8.3	31.9	7.3	97.5	5.1	9.3							
							2	20.4	8.3	31.9	7.3	97.7	5.2	9.5							
TCE-WQM2b	Cloudy	Moderate	12:07	12.0	Surface	1.0	1	21.0	8.3	32.0	7.1	96.1	5.9	8.3	7.1	6.4	8.6				
							2	21.0	8.3	32.0	7.1	96.1	5.9	8.7							
					Middle	6.0	1	21.0	8.3	32.0	7.1	96.1	6.2	7.8							
							2	21.0	8.3	32.0	7.1	96.1	6.2	8.8							
					Bottom	11.0	1	21.0	8.3	32.0	7.1	96.3	7.2	8.7							
							2	21.0	8.3	32.0	7.1	96.4	7.0	9.0							
TCE-WQM3A	Cloudy	Moderate	11:45	4.7	Surface	1.0	1	20.3	8.2	31.1	7.2	95.6	5.0	5.7	7.2	5.9	5.2				
							2	20.3	8.2	31.1	7.2	95.5	5.0	5.5							
					Bottom	3.7	1	20.4	8.2	31.2	7.3	97.3	6.8	5.0							
							2	20.3	8.2	31.2	7.3	97.6	7.0	4.6							
					Surface	1.0	1	20.3	8.2	31.1	7.1	94.6	13.5	10.9				7.1	16.9	11.7	
							2	20.3	8.2	31.1	7.1	94.6	13.8	11.2							
Bottom	3.4	1	20.3	8.2	31.1	7.2	96.1	20.5	12.0												
		2	20.3	8.2	31.1	7.3	96.5	20.0	12.5												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
15-12-2018	Mid-Ebb	TCE-C1	Fine	Moderate	5:37	7.7	Surface	1.0	1	20.3	8.3	32.7	7.5	100.4	7.1	6.6	7.5	7.5	6.7
									2	20.3	8.3	32.7	7.5	100.4	7.1	6.6			
							Middle	3.9	1	20.2	8.3	32.7	7.5	100.3	7.5	6.5			
									2	20.2	8.3	32.7	7.5	100.3	7.5	5.9			
							Bottom	6.7	1	20.2	8.3	32.7	7.5	100.9	7.8	7.6			
									2	20.2	8.3	32.7	7.6	101.0	7.8	7.0			
				2	20.6	8.1	32.2	7.1	95.9	4.7	5.5								
				2	20.6	8.1	32.2	7.1	95.9	4.6	5.0								
				2	20.6	8.1	32.2	7.1	95.8	5.2	5.1								
				2	20.6	8.1	32.2	7.1	95.8	5.3	4.9								
				2	20.6	8.1	32.2	7.1	95.7	6.5	5.1								
				2	20.6	8.1	32.2	7.1	95.6	6.5	5.0								
				2	19.5	8.3	31.7	7.3	96.3	9.0	5.2								
				2	19.5	8.3	31.7	7.3	96.3	9.0	4.5								
				2	19.6	8.3	31.9	7.3	96.5	11.2	5.6								
				2	19.6	8.3	31.9	7.3	96.5	11.5	4.9								
				2	19.6	8.3	32.0	7.4	96.8	12.1	5.0								
				2	19.6	8.3	32.0	7.4	96.9	12.1	4.5								
				2	20.1	8.3	31.8	7.2	95.1	6.7	5.9								
				2	20.1	8.3	31.8	7.2	95.1	6.7	5.2								
				2	20.4	8.3	32.0	7.1	95.2	8.3	5.9								
				2	20.4	8.3	32.0	7.1	95.2	8.3	6.1								
				2	20.7	8.3	32.2	7.2	96.5	8.7	6.3								
				2	20.7	8.3	32.2	7.2	96.6	8.9	7.0								
			2	21.0	8.3	32.5	7.0	95.4	4.0	4.6									
			2	21.0	8.3	32.5	7.0	95.4	4.0	4.1									
			2	21.0	8.3	32.5	7.0	95.4	4.5	3.9									
			2	21.0	8.3	32.5	7.0	95.5	4.5	3.9									
			2	21.0	8.3	32.5	7.0	95.5	7.3	4.1									
			2	21.0	8.3	32.5	7.1	95.5	7.3	3.8									
			2	20.4	8.3	31.8	7.0	94.1	6.3	4.4									
			2	20.4	8.3	31.8	7.0	94.1	6.7	4.8									
			2	20.6	8.3	32.0	7.1	95.0	9.6	5.0									
			2	20.6	8.3	32.0	7.1	95.1	9.7	4.8									
			2	19.8	8.2	31.6	7.3	96.2	10.6	4.3									
			2	19.8	8.2	31.6	7.3	96.2	10.8	4.3									
			2	19.7	8.2	31.5	7.5	98.7	13.8	4.2									
			2	19.7	8.2	31.5	7.5	99.1	14.0	4.4									
			2	20.3	8.3	32.7	7.4	99.7	8.0	8.0									
			2	20.3	8.3	32.7	7.4	99.7	8.0	7.3									
			2	20.2	8.3	32.7	7.4	99.5	9.0	7.4									
			2	20.2	8.3	32.7	7.5	99.7	9.7	7.3									
			2	20.2	8.3	32.7	7.5	99.8	9.6	7.2									
			2	21.3	8.2	32.5	7.0	95.3	4.9	3.5									
			2	21.3	8.2	32.5	7.0	95.3	4.8	3.6									
			2	21.2	8.2	32.5	7.1	96.1	7.7	4.0									
			2	21.2	8.2	32.5	7.1	96.2	7.7	3.3									
			2	21.3	8.2	32.5	7.2	97.7	8.1	3.1									
			2	21.3	8.2	32.5	7.2	98.1	8.2	3.5									
			2	19.9	8.3	31.5	7.4	98.2	7.7	3.3									
			2	19.9	8.3	31.5	7.4	98.2	7.7	4.0									
			2	19.6	8.3	31.6	7.4	97.7	10.5	4.4									
			2	19.6	8.3	31.7	7.4	97.8	10.6	4.1									
			2	19.6	8.3	31.7	7.5	98.5	11.8	2.9									
		2	19.6	8.3	31.6	7.5	98.8	11.8	3.4										
		2	21.1	8.3	32.4	7.2	97.6	1.3	2.2										
		2	21.1	8.3	32.4	7.2	97.6	1.3	2.5										
		2	20.9	8.3	32.4	7.2	97.5	5.3	3.3										
		2	20.9	8.3	32.4	7.2	97.5	5.4	2.8										
		2	20.8	8.3	32.4	7.2	97.7	8.6	2.0										
		2	20.8	8.3	32.4	7.2	97.7	8.6	2.7										
		2	21.2	8.3	32.4	7.1	96.0	4.8	3.9										
		2	21.2	8.3	32.4	7.1	96.0	4.8	3.6										
		2	21.2	8.3	32.5	7.1	96.0	5.0	4.0										
		2	21.2	8.3	32.5	7.1	96.3	4.9	3.4										
		2	21.2	8.3	32.5	7.1	96.4	5.7	3.6										
		2	21.2	8.3	32.5	7.1	96.5	5.7	3.4										
		2	20.6	8.2	32.0	7.3	98.6	6.2	4.4										
		2	20.7	8.2	32.0	7.3	98.5	6.3	4.2										
		2	20.8	8.2	32.2	7.4	100.3	11.7	5.2										
		2	20.8	8.2	32.2	7.5	100.7	11.7	5.0										
		2	20.5	8.3	31.9	7.4	98.7	6.9	6.5										
		2	20.5	8.3	31.9	7.4	98.7	6.8	6.6										
	Mid-Flood	TCE-C1	Fine	Moderate	12:16	7.8	Surface	1.0	1	20.3	8.3	32.7	7.4	99.7	8.0	8.0	7.4	8.9	7.5
								2	20.3	8.3	32.7	7.4	99.7	8.0	7.3				
							Middle	3.9	1	20.2	8.3	32.7	7.4	99.5	9.1	7.9			
								2	20.2	8.3	32.7	7.4	99.5	9.0	7.4				
							Bottom	6.8	1	20.2	8.3	32.7	7.5	99.7	9.7	7.3			
								2	20.2	8.3	32.7	7.5	99.8	9.6	7.2				
			2	21.3	8.2	32.5	7.0	95.3	4.9	3.5									
			2	21.3	8.2	32.5	7.0	95.3	4.8	3.6									
			2	21.2	8.2	32.5	7.1	96.1	7.7	4.0									
			2	21.2	8.2	32.5	7.1	96.2	7.7	3.3									
		2	21.3	8.2	32.5	7.2	97.7	8.1	3.1										
		2	21.3	8.2	32.5	7.2	98.1	8.2	3.5										
		2	19.9	8.3	31.5	7.4	98.2	7.7	3.3										
		2	19.9	8.3	31.5	7.4	98.2	7.7	4.0										
		2	19.6	8.3	31.6	7.4	97.7	10.5	4.4										
		2	19.6	8.3	31.7	7.4	97.8	10.6	4.1										
		2	19.6	8.3	31.7	7.5	98.5	11.8	2.9										
		2	19.6	8.3	31.6	7.5	98.8	11.8	3.4										
		2	21.1	8.3	32.4	7.2	97.6	1.3	2.2										
		2	21.1	8.3	32.4	7.2	97.6	1.3	2.5										
		2	20.9	8.3	32.4	7.2	97.5	5.3	3.3										
		2	20.9	8.3	32.4	7.2	97.5	5.4	2.8										
		2	20.8	8.3	32.4	7.2	97.7	8.6	2.0										
		2	20.8	8.3	32.4	7.2	97.7	8.6	2.7										
		2	21.2	8.3	32.4	7.1	96.0	4.8	3.9										
		2	21.2	8.3	32.4	7.1	96.0	4.8	3.6										
		2	21.2	8.3	32.5	7.1	96.0	5.0	4.0										
		2	21.2	8.3	32.5	7.1	96.3	4.9	3.4										
		2	21.2	8.3	32.5	7.1	96.4	5.7	3.6										
		2	21.2	8.3	32.5	7.1	96.5	5.7	3.4										
		2	20.6	8.2	32.0	7.3	98.6	6.2	4.4										
		2	20.7	8.2	32.0	7.3	98.5	6.3	4.2										
		2	20.8	8.2	32.2	7.4	100.3	11.7	5.2										
		2	20.8	8.2	32.2	7.5	100.7	11.7	5.0										
		2	20.5	8.3	31.9	7.4	98.7	6.9	6.5										
		2	20.5	8.3	31.9	7.4	98.7	6.8	6.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
18-12-2018	Mid-Ebb	TCE-C1	Fine	Moderate	9:43	8.2	Surface	1.0	1	20.0	8.2	32.3	7.6	101.0	6.1	5.6	7.6	6.5	6.1								
									2	20.0	8.2	32.3	7.6	100.9	6.2	5.5											
							Middle	4.1	1	19.9	8.2	32.3	7.6	101.0	6.4	6.1											
									2	19.9	8.2	32.3	7.6	101.0	6.4	6.2											
							Bottom	7.2	1	19.9	8.2	32.3	7.6	101.2	6.8	6.5											
									2	19.9	8.2	32.3	7.7	101.4	7.3	6.5											
		TCE-C2	Fine	Moderate	7:45	13.2	Surface	1.0	1	21.1	8.2	32.5	6.9	93.0	2.9	3.2	6.9	3.0	3.4								
									2	21.1	8.2	32.5	6.9	93.1	3.0	3.6											
							Middle	6.6	1	21.1	8.1	32.5	6.9	93.1	3.0	3.4											
									2	21.1	8.1	32.5	6.9	93.2	2.9	3.9											
							Bottom	12.2	1	21.0	8.1	32.5	6.9	93.7	3.1	3.1											
									2	21.0	8.1	32.5	6.9	93.8	3.2	3.4											
		TCE-WQM1	Fine	Calm	8:57	8.1	Surface	1.0	1	19.6	8.2	31.7	7.5	98.9	8.3	6.4	7.6	8.7	8.5								
									2	19.6	8.2	31.7	7.5	99.0	8.3	6.1											
							Middle	4.1	1	19.6	8.2	31.7	7.6	99.4	8.2	9.6											
									2	19.6	8.2	31.7	7.6	99.5	8.2	9.7											
							Bottom	7.1	1	19.6	8.2	31.7	7.7	101.1	9.6	9.4											
									2	19.6	8.2	31.7	7.7	101.3	9.4	9.8											
		TCE-WQM2a	Fine	Moderate	8:24	7.9	Surface	1.0	1	20.4	8.2	32.3	7.2	96.7	5.4	5.6	7.2	5.7	5.8								
									2	20.4	8.2	32.3	7.2	96.7	5.4	5.2											
							Middle	4.0	1	20.4	8.2	32.3	7.2	96.5	5.4	5.6											
									2	20.4	8.2	32.3	7.2	96.5	5.5	5.4											
							Bottom	6.9	1	20.4	8.2	32.3	7.2	96.0	6.2	6.4											
									2	20.4	8.2	32.3	7.2	95.8	6.2	6.7											
	TCE-WQM2b	Fine	Moderate	8:13	10.8	Surface	1.0	1	20.5	8.2	32.3	7.0	94.4	3.3	3.4	7.1	3.3	3.4									
								2	20.5	8.2	32.3	7.0	94.4	3.3	3.4												
						Middle	5.4	1	20.5	8.2	32.3	7.1	94.9	3.4	3.2												
								2	20.5	8.2	32.3	7.1	95.1	3.4	3.5												
						Bottom	9.8	1	20.5	8.2	32.3	7.2	96.5	3.3	3.4												
								2	20.5	8.2	32.3	7.2	97.0	3.4	3.3												
	TCE-WQM3A	Fine	Calm	8:34	4.2	Surface	1.0	1	19.9	8.2	32.1	7.7	102.1	5.2	4.2	7.7	6.2	5.6									
								2	19.9	8.2	32.1	7.7	102.1	5.2	4.5												
						Bottom	3.2	1	19.9	8.2	32.1	7.8	102.2	6.7	6.8												
								2	19.9	8.2	32.1	7.8	102.2	7.7	6.7												
						TCE-WQM4	Fine	Calm	8:45	3.3	Surface	1.0	1	19.7	8.2				32.0	7.7	101.3	5.4	5.6	7.7	5.4	6.4	
													2	19.7	8.2				32.0	7.7	101.4	5.5	5.9				
	Bottom	2.3	1	19.7	8.2						32.0	7.8	102.8	5.4	7.1												
			2	19.7	8.2						32.0	7.8	103.2	5.4	7.0												
	Mid-Flood	TCE-C1	Fine	Moderate	13:54						8.5	Surface	1.0	1	20.1	8.3	32.1	8.0	106.3	5.1	4.9	7.9	6.5				5.0
														2	20.1	8.3	32.1	8.0	106.0	5.1	4.9						
						Middle	4.3	1	19.9	8.3		32.2	7.8	103.3	5.4	4.8											
								2	19.9	8.3		32.2	7.8	103.2	5.6	4.7											
						Bottom	7.5	1	19.9	8.3		32.2	7.8	102.8	9.0	5.1											
								2	19.9	8.3		32.2	7.8	103.0	8.9	5.5											
						TCE-C2	Fine	Moderate	15:39	12.8		Surface	1.0	1	21.1	8.2	32.5	6.9	93.6	3.7	3.3			6.9	3.9	3.4	
														2	21.1	8.2	32.5	6.9	93.6	3.8	3.0						
												Middle	6.4	1	21.1	8.2	32.5	6.9	94.4	3.9	3.1						
														2	21.1	8.2	32.5	7.0	94.5	3.8	3.5						
Bottom												11.8	1	21.1	8.2	32.5	7.0	95.2	4.1	4.0							
													2	21.1	8.2	32.5	7.0	95.2	4.2	3.7							
TCE-WQM1		Fine	Moderate	14:31	8.3	Surface	1.0	1	20.3	8.2	31.8	7.7	103.0	5.8	3.7	7.7	9.5	5.1									
								2	20.2	8.2	31.8	7.7	102.7	6.1	3.9												
						Middle	4.2	1	20.0	8.2	31.8	7.6	101.3	8.4	5.2												
								2	20.0	8.2	31.8	7.6	101.2	8.5	5.4												
						Bottom	7.3	1	20.0	8.2	31.8	7.7	101.5	14.1	6.2												
								2	20.0	8.2	31.8	7.7	101.7	14.1	6.3												
TCE-WQM2a		Fine	Moderate	15:02	8.1	Surface	1.0	1	20.7	8.2	32.3	7.5	100.4	3.5	2.9	7.5	5.9	3.3									
								2	20.7	8.2	32.3	7.5	100.4	3.5	2.8												
						Middle	4.1	1	20.7	8.2	32.3	7.5	100.7	3.6	3.0												
								2	20.7	8.2	32.3	7.5	100.8	3.7	3.0												
						Bottom	7.1	1	20.6	8.2	32.3	7.6	102.7	10.6	4.1												
								2	20.6	8.2	32.3	7.7	102.9	10.5	3.7												
TCE-WQM2b	Fine	Moderate	15:13	10.6	Surface	1.0	1	20.9	8.2	32.4	7.2	97.9	4.1	3.9	7.3	4.2	3.9										
							2	20.9	8.2	32.4	7.2	97.9	4.1	4.1													
					Middle	5.3	1	20.9	8.2	32.4	7.3	98.4	4.2	3.5													
							2	20.9	8.2	32.4	7.3	98.5	4.2	3.7													
					Bottom	9.6	1	20.9	8.2	32.4	7.4	100.4	4.4	3.9													
							2	20.9	8.2	32.4	7.5	101.0	4.5	4.2													
TCE-WQM3A	Fine	Calm	14:52	4.1	Surface	1.0	1	20.1	8.3	32.0	8.3	110.7	5.0	5.5	8.3	8.2	5.5										
							2	20.1	8.3	32.0	8.3	110.5	5.1	5.1													
					Bottom	3.1	1	20.1	8.3	32.1	8.2	109.4	11.2	5.5													
							2	20.1	8.3	32.1	8.2	109.3	11.3	5.9													
					TCE-WQM4	Fine	Calm	14:43	2.8	Middle	1.4	1	20.4	8.2				32.2	8.0	107.2	4.9	5.0	8.0	5.0	5.0		
												2	20.4	8.2				32.2	8.0	107.3	5.1	4.9					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
20-12-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:15	8.7	Surface	1.0	1	21.0	8.3	32.7	7.5	102.2	7.6	6.1	7.5	10.0	6.9								
									2	21.0	8.3	32.7	7.5	101.9	7.9	6.3											
							Middle	4.4	1	20.9	8.3	32.7	7.4	100.5	10.4	6.9											
									2	20.9	8.3	32.7	7.4	100.5	10.6	6.9											
							Bottom	7.7	1	21.2	8.3	32.5	7.4	100.8	11.7	7.4											
									2	21.2	8.3	32.4	7.4	100.8	11.6	7.9											
				2	21.0	8.2	32.5	6.8	92.8	3.4	3.2																
		TCE-C2	Cloudy	Moderate	9:19	11.8	Surface	1.0	1	21.1	8.2	32.5	6.8	92.8	3.4	3.8	6.8	3.8	4.3								
									2	21.0	8.2	32.5	6.8	92.3	4.0	3.6											
							Middle	5.9	1	21.0	8.2	32.5	6.8	92.3	4.0	4.0											
									2	21.0	8.2	32.5	6.9	92.9	4.0	5.2											
							Bottom	10.8	1	21.0	8.2	32.5	6.9	93.0	3.9	5.8											
									2	21.0	8.2	32.5	6.9	99.8	5.5	6.9											
		TCE-WQM1	Cloudy	Moderate	10:32	7.9	Surface	1.0	1	20.2	8.3	32.0	7.5	99.8	5.5	6.8	7.5	5.5	6.8								
									2	20.2	8.3	32.0	7.5	99.7	5.5	6.9											
							Middle	4.0	1	20.2	8.3	32.0	7.5	99.7	5.5	6.9											
									2	20.2	8.3	32.0	7.5	99.5	5.6	6.7											
							Bottom	6.9	1	20.2	8.3	32.0	7.5	99.5	5.6	7.0											
									2	20.2	8.3	32.0	7.5	100.5	6.1	6.1											
		TCE-WQM2a	Cloudy	Moderate	10:00	7.4	Surface	1.0	1	20.3	8.3	32.2	7.5	100.5	6.1	6.5	7.5	6.5	6.6								
									2	20.3	8.3	32.2	7.5	99.8	6.5	6.5											
							Middle	3.7	1	20.3	8.3	32.2	7.5	99.7	6.5	6.7											
									2	20.3	8.3	32.2	7.5	99.1	6.7	7.0											
							Bottom	6.4	1	20.4	8.3	32.1	7.4	99.1	6.7	6.9											
								2	20.4	8.3	32.2	7.7	102.3	5.4	4.0												
	TCE-WQM2b	Cloudy	Moderate	9:48	10.6	Surface	1.0	1	20.3	8.3	32.2	7.7	102.3	5.5	4.3	7.6	5.5	5.6									
								2	20.3	8.3	32.2	7.5	100.7	5.8	5.9												
						Middle	5.3	1	20.3	8.3	32.2	7.5	100.7	5.7	6.0												
								2	20.3	8.3	32.2	7.5	100.1	5.3	6.8												
						Bottom	9.6	1	20.3	8.3	32.2	7.5	100.1	5.3	6.7												
								2	20.3	8.3	32.2	7.5	100.1	5.3	6.7												
	TCE-WQM3A	Cloudy	Moderate	10:11	4.3	Surface	1.0	1	20.5	8.3	32.1	7.4	99.8	5.5	5.5	7.4	7.3	6.1									
								2	20.5	8.3	32.1	7.4	99.5	9.5	7.2												
						Bottom	3.3	1	20.5	8.3	32.1	7.4	99.4	8.9	6.7												
								2	20.5	8.3	32.1	7.4	100.4	5.0	5.1												
						Middle	1.4	1	20.4	8.3	32.0	7.5	100.3	5.0	4.7												
								2	20.4	8.3	31.9	7.5	100.3	5.0	4.7												
	TCE-WQM4	Cloudy	Moderate	10:21	2.8	Surface	1.0	1	21.0	8.3	32.5	7.8	105.4	5.8	5.0	7.6	7.0	6.4									
								2	21.0	8.3	32.6	7.7	105.1	5.8	5.4												
						Middle	4.2	1	20.8	8.3	32.6	7.6	102.1	7.0	6.4												
								2	20.8	8.3	32.6	7.5	102.1	7.1	6.3												
						Bottom	7.3	1	20.9	8.3	32.6	7.5	102.0	8.1	7.7												
								2	20.9	8.3	32.6	7.5	102.0	8.1	7.6												
	Mid-Flood	TCE-C1	Cloudy	Moderate	14:57	8.3	Surface	1.0	1	21.0	8.3	32.5	7.8	105.4	5.8	5.0	7.6	7.0	6.4								
									2	21.0	8.3	32.6	7.7	105.1	5.8	5.4											
							Middle	4.2	1	20.8	8.3	32.6	7.6	102.1	7.0	6.4											
									2	20.8	8.3	32.6	7.5	102.1	7.1	6.3											
							Bottom	7.3	1	20.9	8.3	32.6	7.5	102.0	8.1	7.7											
									2	20.9	8.3	32.6	7.5	102.0	8.1	7.6											
							TCE-C2	Cloudy	Moderate	16:54	12.3	Surface	1.0	1	21.1	8.2				32.4	6.9	94.0	5.1	3.6	7.0	6.1	4.0
														2	21.1	8.2				32.4	6.9	94.0	5.2	3.4			
												Middle	6.2	1	21.1	8.2				32.4	7.0	95.0	6.7	4.2			
														2	21.1	8.2				32.4	7.0	95.1	6.7	4.0			
												Bottom	11.3	1	21.1	8.2				32.4	7.1	96.0	6.6	4.4			
														2	21.1	8.2				32.4	7.1	96.1	6.6	4.1			
		TCE-WQM1	Cloudy	Moderate	15:42	7.6	Surface	1.0	1	20.6	8.3	31.9	7.6	101.8	5.9	3.5	7.5	7.4	4.1								
									2	20.6	8.3	31.9	7.6	101.7	6.0	3.7											
							Middle	3.8	1	20.4	8.3	32.0	7.5	100.4	7.9	4.1											
									2	20.4	8.3	32.0	7.5	100.4	8.0	4.4											
							Bottom	6.6	1	20.4	8.4	32.0	7.5	100.2	8.2	4.8											
								2	20.4	8.4	32.0	7.5	100.2	8.2	4.8												
TCE-WQM2a		Cloudy	Moderate	16:13	7.5	Surface	1.0	1	20.6	8.3	32.2	7.9	105.7	5.8	5.3	7.8	6.0	5.9									
								2	20.6	8.3	32.2	7.9	105.7	5.8	5.3												
						Middle	3.8	1	20.6	8.3	32.2	7.8	104.9	6.0	5.6												
								2	20.6	8.3	32.2	7.8	104.8	6.0	5.5												
						Bottom	6.5	1	20.6	8.3	32.1	7.7	103.0	6.0	6.7												
								2	20.6	8.3	32.1	7.7	102.8	6.1	7.0												
TCE-WQM2b	Cloudy	Moderate	16:24	10.0	Surface	1.0	1	20.8	8.3	32.1	7.9	105.8	6.5	6.4	7.8	6.2	6.8										
							2	20.8	8.3	32.1	7.9	105.8	6.4	6.5													
					Middle	5.0	1	20.8	8.3	32.1	7.8	105.1	6.2	6.9													
							2	20.8	8.3	32.1	7.8	105.0	6.2	7.5													
					Bottom	9.0	1	20.8	8.3	32.1	7.7	103.7	6.1	6.9													
							2	20.8	8.3	32.1	7.7	103.6	6.2	6.8													
TCE-WQM3A	Cloudy	Moderate	16:03	4.0	Surface	1.0	1	20.9	8.3	32.1	7.9	107.0	5.2	4.4	7.9	6.0	4.6										
							2	20.9	8.3	32.1	7.9	106.8	5.4	4.3													
					Bottom	3.0	1	20.8	8.3	32.1	7.8	104.5	6.6	4.7													
							2	20.8	8.3	32.1	7.7	104.4	6.7	4.8													
					Surface	1.0	1	20.6	8.3	32.1	7.7	103.7	7.0	5.9													
							2	20.6	8.3	32.1	7.7	103.6	7.1	6.3													
TCE-WQM4	Cloudy	Moderate	15:55	3.1	Surface	1.0	1	20.6	8.3	32.1	7.6	102.6	7.3	7.1	7.6	7.2	6.7										
							2	20.6	8.3	32.1	7.6	102.6	7.3	7.1													
					Bottom	2.1	1	20.6	8.3	32.1	7.6	102.6	7.3	7.1													
							2	20.6	8.3	32.1	7.6	102.5	7.3	7.4													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
22-12-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:50	7.7	Surface	1.0	1	21.5	8.2	31.4	8.0	108.3	9.2	6.3	7.7	11.7	5.6								
									2	21.5	8.2	31.5	8.0	108.2	9.2	6.9											
							Middle	3.9	1	21.2	8.2	32.2	7.5	101.2	11.8	4.8											
									2	21.1	8.2	32.2	7.4	101.0	12.0	5.2											
							Bottom	6.7	1	21.1	8.2	32.5	7.4	100.6	13.9	5.8											
									2	21.1	8.2	32.5	7.4	100.7	13.8	4.8											
		TCE-C2	Cloudy	Moderate	11:46	12.8	Surface	1.0	1	21.4	8.1	32.6	7.2	98.5	6.8	3.4	7.0	7.1	3.5								
									2	21.4	8.1	32.6	7.2	98.4	6.8	3.1											
							Middle	6.4	1	21.1	8.1	32.8	6.9	93.5	7.1	3.4											
									2	21.1	8.1	32.8	6.9	93.5	7.1	3.6											
							Bottom	11.8	1	21.1	8.1	32.8	6.9	94.2	7.4	3.3											
									2	21.1	8.1	32.8	6.9	94.3	7.4	4.0											
		TCE-WQM1	Cloudy	Moderate	13:02	7.6	Surface	1.0	1	21.4	8.2	32.1	7.6	103.5	10.8	5.9	7.6	10.3	5.9								
									2	21.4	8.2	32.1	7.6	103.5	10.9	5.5											
							Middle	3.8	1	21.4	8.2	32.1	7.6	103.3	10.7	5.2											
									2	21.4	8.2	32.1	7.6	103.3	10.8	6.4											
							Bottom	6.6	1	21.4	8.2	32.1	7.5	102.8	9.6	5.7											
									2	21.4	8.2	32.1	7.5	102.7	9.3	6.7											
		TCE-WQM2a	Cloudy	Moderate	12:29	7.6	Surface	1.0	1	21.2	8.2	32.1	7.6	103.7	9.8	4.6	7.6	10.0	4.7								
									2	21.2	8.2	32.1	7.6	103.7	9.8	4.6											
							Middle	3.8	1	21.1	8.2	32.1	7.5	102.3	10.2	4.1											
									2	21.1	8.2	32.1	7.5	102.1	10.1	5.2											
							Bottom	6.6	1	21.1	8.2	32.2	7.5	101.4	10.2	4.4											
									2	21.1	8.2	32.2	7.5	101.5	10.1	5.3											
	TCE-WQM2b	Cloudy	Moderate	12:16	10.9	Surface	1.0	1	21.4	8.2	32.1	7.7	105.0	7.6	4.0	7.5	7.6	4.4									
								2	21.4	8.2	32.1	7.7	104.9	7.6	4.4												
						Middle	5.5	1	21.1	8.2	32.4	7.3	98.5	8.1	3.7												
								2	21.1	8.2	32.5	7.3	98.5	8.2	5.2												
						Bottom	9.9	1	21.1	8.2	32.6	7.4	99.9	7.2	4.2												
								2	21.1	8.2	32.6	7.4	100.1	7.2	5.1												
	TCE-WQM3A	Cloudy	Moderate	12:41	3.9	Surface	1.0	1	21.3	8.3	32.4	7.8	105.6	10.0	4.2	7.7	9.6	4.8									
								2	21.2	8.3	32.5	7.7	105.4	10.0	4.7												
						Bottom	2.9	1	21.2	8.3	32.6	7.6	103.7	9.2	4.8												
								2	21.2	8.3	32.6	7.6	103.6	9.2	5.4												
						Middle	1.5	1	21.3	8.3	32.4	7.9	107.8	8.5	4.0												
								2	21.3	8.3	32.4	7.9	107.7	8.5	4.2												
	TCE-WQM4	Cloudy	Moderate	12:50	2.9	Middle	1.5	1	21.3	8.3	32.4	7.9	107.8	8.5	4.0	7.9	8.5	4.1									
								2	21.3	8.3	32.4	7.9	107.7	8.5	4.2												
	Mid-Flood	TCE-C1	Cloudy	Moderate	16:15	7.9	Surface	1.0	1	21.8	8.2	31.3	8.0	109.0	9.1	5.5	7.7	11.7	5.6								
									2	21.8	8.2	31.3	8.0	109.0	9.1	5.5											
							Middle	4.0	1	21.1	8.2	32.3	7.5	101.3	12.1	6.2											
									2	21.1	8.2	32.3	7.5	101.2	12.3	5.7											
							Bottom	6.9	1	21.1	8.2	32.5	7.4	101.2	13.7	5.4											
									2	21.1	8.2	32.5	7.5	101.3	13.8	5.1											
							TCE-C2	Cloudy	Moderate	18:11	12.9	Surface	1.0	1	21.5	8.3				32.1	7.7	105.0	7.6	4.8	7.5	7.7	4.1
														2	21.4	8.3				32.1	7.7	104.6	7.6	4.0			
												Middle	6.5	1	21.2	8.3				32.3	7.4	101.0	7.7	3.9			
														2	21.2	8.3				32.3	7.4	100.9	7.7	3.9			
												Bottom	11.9	1	21.2	8.3				32.4	7.4	101.0	7.8	4.4			
														2	21.2	8.3				32.4	7.4	101.0	7.8	3.7			
		TCE-WQM1	Cloudy	Moderate	16:59	8.0	Surface	1.0	1	21.5	8.2	32.1	7.6	103.9	8.7	5.9	7.6	9.3	5.9								
									2	21.5	8.2	32.1	7.6	103.8	8.8	5.8											
							Middle	4.0	1	21.5	8.2	32.2	7.5	103.0	9.0	5.9											
									2	21.5	8.2	32.2	7.5	103.0	9.0	5.3											
							Bottom	7.0	1	21.5	8.2	32.2	7.5	102.5	10.0	6.5											
									2	21.5	8.2	32.2	7.5	102.5	10.1	5.9											
		TCE-WQM2a	Cloudy	Moderate	17:32	7.6	Surface	1.0	1	21.8	8.3	32.2	8.1	111.2	8.1	4.7	7.9	8.6	5.1								
									2	21.8	8.3	32.2	8.1	111.2	8.1	5.8											
							Middle	3.8	1	21.4	8.3	32.4	7.7	105.3	9.1	4.9											
									2	21.3	8.3	32.4	7.7	105.3	9.1	5.3											
							Bottom	6.6	1	21.3	8.3	32.4	7.7	104.5	8.8	5.5											
									2	21.3	8.3	32.4	7.7	104.4	8.7	4.2											
		TCE-WQM2b	Cloudy	Moderate	17:46	10.9	Surface	1.0	1	21.5	8.2	31.2	7.6	103.9	8.7	5.2	7.6	9.5	4.9								
									2	21.5	8.2	31.2	7.6	103.6	8.8	4.7											
							Middle	5.5	1	21.2	8.2	31.5	7.5	101.3	10.0	3.8											
									2	21.2	8.2	31.5	7.5	101.1	9.9	5.1											
							Bottom	9.9	1	21.4	8.2	31.4	7.4	100.6	9.7	5.6											
									2	21.4	8.2	31.4	7.4	100.6	9.7	4.8											
		TCE-WQM3A	Cloudy	Moderate	17:21	3.9	Surface	1.0	1	21.3	8.3	32.4	7.9	107.9	9.1	5.4	7.9	9.3	4.9								
									2	21.3	8.3	32.4	7.9	107.7	9.2	4.9											
							Bottom	2.9	1	21.3	8.3	32.5	7.8	105.7	9.4	4.7											
									2	21.3	8.3	32.5	7.7	105.5	9.4	4.4											
							Middle	1.0	1	21.5	8.3	32.4	7.9	107.6	9.6	5.9											
									2	21.5	8.3	32.5	7.9	107.5	9.6	5.9											
		TCE-WQM4	Cloudy	Moderate	17:11	3.3	Surface	1.0	1	21.5	8.3	32.4	7.9	107.6	9.6	5.9	7.9	9.8	5.8								
									2	21.5	8.3	32.5	7.9	107.5	9.6	5.9											
							Bottom	2.3	1	21.4	8.3	32.5	7.8	106.5	10.0	5.6											
									2	21.5	8.3	32.4	7.8	106.4	10.0	5.9											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
25-12-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:17	8.8	Surface	1.0	1	20.8	8.2	31.8	6.9	92.8	14.2	11.5	6.9	17.8	11.5							
									2	20.8	8.2	31.8	6.9	92.8	14.3	11.1										
							Middle	4.4	1	20.8	8.2	31.8	6.9	92.7	17.9	11.1										
									2	20.8	8.2	31.8	6.9	92.7	17.9	11.2										
							Bottom	7.8	1	20.8	8.2	31.8	6.9	92.7	21.3	12.1										
									2	20.8	8.2	31.8	6.9	92.7	21.3	11.9										
		TCE-C2	Cloudy	Moderate	15:09	14.0	Surface	1.0	1	21.1	8.2	31.7	6.5	88.1	4.9	9.6	6.5	5.8	9.2							
									2	21.1	8.2	31.7	6.5	88.1	4.9	9.7										
							Middle	7.0	1	21.0	8.2	31.8	6.5	87.2	5.4	10.0										
									2	21.0	8.2	31.8	6.5	87.2	5.4	9.0										
							Bottom	13.0	1	21.0	8.2	31.8	6.5	87.6	7.1	8.4										
									2	21.0	8.2	31.8	6.5	87.7	7.2	8.6										
		TCE-WQM1	Cloudy	Moderate	13:56	8.2	Surface	1.0	1	20.7	8.2	31.0	6.8	91.0	6.6	9.9	6.8	6.5	10.1							
									2	20.7	8.2	31.0	6.8	91.0	6.6	10.0										
							Middle	4.1	1	20.7	8.2	31.0	6.8	90.8	6.9	10.2										
									2	20.7	8.2	31.0	6.8	90.8	6.9	10.1										
							Bottom	7.2	1	20.7	8.2	31.0	6.8	90.8	6.0	10.2										
									2	20.7	8.2	31.0	6.8	91.0	6.0	10.1										
		TCE-WQM2a	Cloudy	Moderate	14:31	6.8	Surface	1.0	1	20.9	8.2	31.2	6.8	90.8	8.1	11.1	6.8	8.0	12.2							
									2	20.9	8.2	31.2	6.8	90.8	8.1	11.5										
							Middle	3.4	1	20.9	8.2	31.2	6.8	90.8	7.9	12.7										
									2	20.9	8.2	31.2	6.8	90.8	7.9	12.3										
							Bottom	5.8	1	20.8	8.2	31.2	6.8	91.1	8.0	12.5										
									2	20.8	8.2	31.2	6.8	91.2	7.9	12.9										
	TCE-WQM2b	Cloudy	Moderate	14:42	11.6	Surface	1.0	1	20.9	8.2	31.3	6.7	90.1	10.2	16.6	6.7	9.9	15.5								
								2	20.9	8.2	31.3	6.7	90.1	10.3	16.3											
						Middle	5.8	1	20.9	8.2	31.2	6.7	90.4	9.7	14.6											
								2	20.9	8.2	31.2	6.7	90.4	9.6	14.4											
						Bottom	10.6	1	20.9	8.2	31.3	6.7	90.7	9.9	15.5											
								2	20.9	8.2	31.3	6.8	90.7	9.9	15.7											
	TCE-WQM3A	Cloudy	Moderate	14:20	4.7	Surface	1.0	1	20.8	8.2	31.0	6.8	90.8	5.2	6.6	6.8	5.2	7.0								
								2	20.8	8.2	31.0	6.8	90.8	5.0	6.9											
						Bottom	3.7	1	20.8	8.2	31.0	6.8	90.8	5.3	7.1											
								2	20.8	8.2	31.0	6.8	90.8	5.4	7.5											
						TCE-WQM4	Cloudy	Moderate	14:10	4.3	Surface	1.0	1	20.8	8.2				31.2	6.8	91.6	5.3	7.7	6.8	5.6	7.3
												2	20.8	8.2	31.2				6.8	91.6	5.3	7.3				
	Bottom	3.3	1	20.8	8.2	31.2					6.9	92.5	5.9	7.1												
			2	20.8	8.2	31.2					6.9	92.6	5.8	7.1												
	Mid-Flood	TCE-C1	Cloudy	Moderate	10:38	9.0					Surface	1.0	1	20.8	8.2	31.7	6.9	93.1	15.1	12.2	6.9	17.7	13.1			
													2	20.8	8.2	31.7	6.9	93.1	15.2	12.9						
							Middle	4.5	1	20.8	8.2	31.8	6.9	92.8	16.6	12.8										
									2	20.8	8.2	31.8	6.9	92.8	16.5	13.0										
							Bottom	8.0	1	20.8	8.2	31.9	6.9	92.6	21.5	13.5										
									2	20.8	8.2	31.9	6.9	92.6	21.6	14.2										
		TCE-C2	Cloudy	Moderate	8:50	15.5	Surface	1.0	1	20.9	8.1	31.2	6.7	90.4	6.0	10.8	6.7	7.2	9.3							
									2	20.9	8.1	31.2	6.7	90.4	6.1	11.0										
							Middle	7.8	1	20.9	8.1	31.2	6.7	90.2	6.4	9.3										
									2	20.9	8.1	31.2	6.7	90.2	6.5	9.5										
							Bottom	14.5	1	20.9	8.1	31.2	6.7	90.1	9.0	7.8										
									2	20.9	8.1	31.2	6.7	90.1	9.1	7.5										
		TCE-WQM1	Cloudy	Moderate	9:56	8.2	Surface	1.0	1	20.7	8.2	31.0	6.8	90.7	7.1	8.8	6.8	9.6	11.5							
									2	20.7	8.2	31.0	6.8	90.7	7.1	8.4										
							Middle	4.1	1	20.7	8.2	31.0	6.8	90.6	9.8	11.5										
									2	20.7	8.2	31.0	6.8	90.6	9.8	11.8										
							Bottom	7.2	1	20.8	8.2	31.0	6.8	90.7	12.0	14.3										
									2	20.8	8.2	31.0	6.8	90.7	11.8	14.3										
		TCE-WQM2a	Cloudy	Moderate	9:25	7.0	Surface	1.0	1	20.8	8.2	31.2	6.8	91.5	8.2	12.4	6.8	8.3	12.8							
									2	20.8	8.2	31.2	6.8	91.5	8.2	12.8										
							Middle	3.5	1	20.8	8.2	31.2	6.8	91.5	8.1	13.2										
									2	20.8	8.2	31.2	6.8	91.5	8.1	12.5										
							Bottom	6.0	1	20.8	8.2	31.2	6.8	91.3	8.6	13.0										
									2	20.8	8.2	31.2	6.8	91.3	8.6	13.1										
	TCE-WQM2b	Cloudy	Moderate	9:13	10.8	Surface	1.0	1	20.8	8.2	31.3	6.8	91.3	10.8	16.2	6.8	11.9	16.8								
								2	20.8	8.2	31.3	6.8	91.3	10.8	16.9											
						Middle	5.4	1	20.8	8.2	31.3	6.8	91.2	11.2	17.3											
								2	20.8	8.2	31.3	6.8	91.2	11.3	17.8											
						Bottom	9.8	1	20.8	8.2	31.3	6.8	91.3	13.7	15.5											
								2	20.8	8.2	31.3	6.8	91.3	13.6	16.9											
	TCE-WQM3A	Cloudy	Moderate	9:36	4.1	Surface	1.0	1	20.8	8.2	31.0	6.7	89.7	4.8	9.0	6.7	5.4	8.5								
								2	20.8	8.2	31.0	6.7	89.6	4.8	10.0											
						Bottom	3.1	1	20.8	8.2	31.1	6.7	89.6	6.0	7.3											
								2	20.8	8.2	31.1	6.7	89.7	6.0	7.7											
						TCE-WQM4	Cloudy	Moderate	9:45	3.8	Surface	1.0	1	20.9	8.2				31.2	6.7	89.9	8.5	16.3	6.7	9.0	16.2
												2	20.9	8.2	31.2				6.7	89.9	8.7	16.2				
	Bottom	2.8	1	20.8	8.2	31.2					6.7	90.0	9.4	16.0												
			2	20.8	8.2	31.2					6.7	90.1	9.3	16.4												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
27-12-2018	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:00	8.2	Surface	1.0	1	21.0	8.1	31.4	6.9	93.1	12.2	8.9	6.9	15.7	10.7
									2	21.0	8.1	31.4	6.9	93.1	12.2	9.3			
							Middle	4.1	1	20.9	8.1	32.2	6.9	92.7	17.9	10.5			
									2	20.9	8.1	32.2	6.9	92.7	18.2	10.7			
							Bottom	7.2	1	20.9	8.1	32.4	6.9	93.4	16.0	12.0			
									2	20.9	8.1	32.4	6.9	93.4	17.7	12.5			
				2	21.2	8.1	31.7	6.5	88.2	8.3	5.1								
				2	21.2	8.1	31.7	6.5	88.2	8.4	5.2								
				1	21.1	8.1	32.0	6.4	87.0	8.7	5.7								
				2	21.1	8.1	32.0	6.4	87.0	8.7	6.1								
				1	21.1	8.1	32.1	6.5	88.3	8.5	6.8								
				2	21.1	8.1	32.1	6.5	88.4	8.5	7.2								
				1	21.2	8.1	31.6	6.6	89.8	9.8	5.8								
				2	21.2	8.1	31.6	6.6	89.8	9.8	6.1								
				1	21.2	8.1	31.6	6.6	89.8	9.7	7.5								
				2	21.2	8.1	31.6	6.6	89.8	9.8	7.2								
				1	21.2	8.1	31.6	6.7	90.1	12.0	9.3								
				2	21.2	8.1	31.6	6.7	90.1	12.1	9.6								
				1	21.1	8.1	31.3	6.7	90.8	10.1	7.0								
				2	21.1	8.1	31.3	6.7	90.8	10.1	6.9								
				1	21.0	8.1	31.4	6.7	90.4	10.8	7.7								
				2	21.0	8.1	31.5	6.7	90.4	10.8	7.7								
				1	21.0	8.1	31.5	6.8	91.8	11.2	8.6								
				2	21.0	8.1	31.5	6.8	91.9	11.2	8.7								
			1	21.1	8.1	31.3	6.7	89.9	9.0	6.1									
			2	21.1	8.1	31.3	6.7	89.8	9.0	5.8									
			1	21.1	8.1	31.5	6.5	88.3	9.2	6.2									
			2	21.1	8.1	31.5	6.5	88.2	9.2	6.6									
			1	21.1	8.1	32.1	6.6	88.7	9.6	7.1									
			2	21.1	8.1	32.1	6.6	88.9	9.5	7.4									
			1	21.3	8.1	31.6	6.8	92.1	9.7	6.6									
			2	21.3	8.1	31.6	6.8	92.1	9.8	6.9									
			1	21.3	8.1	31.7	6.9	93.5	11.7	6.7									
			2	21.3	8.1	31.7	6.9	93.7	13.2	6.8									
			1	21.2	8.1	31.5	6.6	89.8	11.5	13.7									
			2	21.2	8.1	31.5	6.6	89.7	11.8	14.1									
			1	21.1	8.1	31.7	6.5	88.5	18.3	14.1									
			2	21.1	8.1	31.7	6.5	88.5	18.6	14.4									
			1	20.8	8.1	30.2	6.9	91.4	12.9	16.2									
			2	20.8	8.1	30.3	6.8	91.4	12.8	15.7									
			1	20.8	8.1	31.4	6.8	91.1	14.4	18.8									
			2	20.8	8.1	31.5	6.8	91.1	14.3	18.3									
			1	20.8	8.1	31.6	6.8	91.3	16.7	19.5									
			2	20.8	8.1	31.6	6.8	91.4	16.7	19.1									
			1	21.0	8.1	31.5	6.6	88.8	12.6	8.7									
			2	21.0	8.1	31.5	6.6	88.7	12.9	8.3									
			1	21.0	8.1	31.6	6.5	88.2	12.2	10.9									
			2	21.0	8.1	31.6	6.5	88.2	11.4	10.4									
		1	21.1	8.1	31.6	6.5	88.1	20.0	12.3										
		2	21.1	8.1	31.6	6.5	88.2	20.4	11.9										
		1	21.1	8.1	31.7	6.7	91.1	14.6	15.0										
		2	21.1	8.1	31.7	6.7	91.1	14.7	15.1										
		1	21.1	8.1	31.7	6.7	91.1	15.1	15.4										
		2	21.1	8.1	31.7	6.7	91.2	15.2	15.8										
		1	21.1	8.1	31.7	6.8	92.0	15.8	16.0										
		2	21.1	8.1	31.7	6.8	92.1	15.8	15.6										
		1	21.0	8.1	31.1	6.8	90.8	13.4	7.8										
		2	21.0	8.1	31.1	6.8	90.8	13.4	8.2										
		1	21.0	8.1	31.3	6.8	91.0	12.2	8.7										
		2	21.0	8.1	31.3	6.8	91.1	13.4	9.0										
		1	21.0	8.1	31.4	6.8	91.9	19.3	9.6										
		2	21.0	8.1	31.4	6.8	92.1	19.3	9.2										
		1	21.1	8.1	31.3	6.7	89.8	13.4	13.3										
		2	21.1	8.1	31.3	6.7	89.8	13.6	13.5										
		1	21.1	8.1	31.3	6.7	90.0	16.2	13.7										
		2	21.1	8.1	31.3	6.7	90.0	16.3	14.1										
		1	21.1	8.1	31.3	6.8	91.1	19.0	14.7										
		2	21.1	8.1	31.3	6.8	91.3	19.8	14.4										
		1	21.2	8.1	31.7	6.7	91.0	10.2	7.1										
		2	21.2	8.1	31.7	6.7	91.0	10.2	6.8										
		1	21.2	8.1	31.7	6.8	91.7	10.2	10.1										
		2	21.2	8.1	31.7	6.8	91.8	10.2	10.4										
		1	21.1	8.1	31.6	6.7	90.8	15.5	20.1										
		2	21.1	8.1	31.6	6.7	90.9	15.5	20.4										
		1	21.1	8.1	31.6	6.8	91.7	17.2	23.3										
		2	21.1	8.1	31.6	6.8	91.8	17.2	23.7										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
29-12-2018	Mid-Ebb	TCE-C1	Cloudy	Rough	7:14	8.6	Surface	1.0	1	20.1	8.1	32.0	7.0	92.7	8.7	7.0	11.9	10.4		
									2	20.1	8.1	32.0	7.0	92.7	8.8				9.3	
							Middle	4.3	1	20.1	8.1	32.0	7.0	92.9	11.2				11.2	
									2	20.1	8.1	32.0	7.0	92.9	11.2				10.5	
							Bottom	7.6	1	20.1	8.1	32.0	7.0	93.7	15.7				11.2	
									2	20.1	8.1	32.0	7.1	93.8	15.8				11.7	
				2	20.4	8.0	31.8	6.6	88.5	9.3	12.1									
				2	20.4	8.0	31.8	6.6	88.5	9.3	12.9									
				2	20.4	8.0	31.8	6.6	88.4	9.6	10.3									
				2	20.4	8.0	31.8	6.6	88.4	9.6	10.9									
				2	20.4	8.0	31.8	6.6	88.4	9.1	10.6									
				2	20.4	8.0	31.8	6.6	88.4	9.1	11.1									
				2	20.3	8.1	31.4	6.8	90.3	11.2	12.0									
				2	20.3	8.1	31.4	6.8	90.3	11.2	11.7									
				2	20.3	8.1	31.4	6.8	90.4	11.6	9.5									
				2	20.3	8.1	31.4	6.8	90.5	11.5	9.1									
				2	20.1	8.1	31.5	6.9	92.1	12.1	8.4									
				2	20.1	8.1	31.5	7.0	92.3	12.0	8.6									
				2	20.2	8.1	31.4	6.8	90.6	8.4	11.7									
				2	20.2	8.1	31.4	6.8	90.6	8.4	11.9									
				2	20.2	8.1	31.4	6.8	90.4	8.9	11.8									
				2	20.2	8.1	31.4	6.8	90.4	8.9	12.4									
				2	20.2	8.1	31.4	6.8	90.6	9.0	14.8									
				2	20.2	8.1	31.4	6.8	90.6	8.9	14.5									
			2	20.2	8.1	31.4	6.8	90.7	10.3	23.7										
			2	20.2	8.1	31.4	6.8	90.7	10.2	23.9										
			2	20.2	8.1	31.4	6.8	90.7	14.3	22.3										
			2	20.2	8.1	31.4	6.8	90.7	14.6	22.6										
			2	20.2	8.1	31.4	6.8	90.6	16.8	21.9										
			2	20.2	8.1	31.4	6.8	90.6	16.9	22.2										
			2	20.1	8.1	31.3	6.7	89.2	9.4	9.2										
			2	20.1	8.1	31.3	6.7	89.2	9.4	10.2										
			2	20.0	8.1	31.3	6.8	90.0	10.1	9.6										
			2	20.0	8.1	31.3	6.8	90.1	10.1	9.8										
			2	20.2	8.1	31.4	6.8	90.7	9.5	7.7										
			2	20.2	8.1	31.4	6.8	90.6	9.4	8.2										
			2	20.2	8.1	31.4	6.9	91.3	12.7	8.5										
			2	20.2	8.1	31.4	6.9	91.5	12.5	8.4										
		Mid-Flood	TCE-C1	Cloudy	Rough	11:31	8.8	Surface	1.0	1	20.0	8.0	32.0	7.0	92.9	8.3	7.0	10.9	14.1	
									2	20.0	8.0	32.0	7.0	92.9	8.2	13.2				
								Middle	4.4	1	20.0	8.0	32.0	7.0	92.9	10.3				14.8
									2	20.0	8.0	32.0	7.0	92.9	10.1	14.9				
								Bottom	7.8	1	20.0	7.9	32.0	7.0	93.1	14.0				14.9
									2	20.0	7.9	32.0	7.0	93.2	14.4	13.9				
				2	20.7	8.0	32.4	6.5	87.6	7.4	8.5									
				2	20.7	8.0	32.4	6.5	87.6	7.4	8.6									
				2	20.8	8.0	32.5	6.5	87.3	8.0	9.9									
				2	20.8	8.0	32.5	6.5	87.3	8.0	9.3									
			2	20.8	8.0	32.5	6.7	89.9	8.8	10.8										
			2	20.8	8.0	32.5	6.7	90.2	8.8	10.8										
			2	20.2	8.1	31.4	7.0	92.8	10.2	12.0										
			2	20.2	8.1	31.4	7.0	92.8	10.1	11.3										
			2	20.1	8.1	31.5	7.1	93.5	9.4	11.6										
			2	20.1	8.1	31.5	7.1	93.6	9.4	11.1										
			2	19.9	8.1	31.4	7.4	97.7	9.6	11.7										
			2	19.9	8.1	31.4	7.4	98.0	9.6	10.5										
			2	20.4	8.1	31.6	6.8	90.4	9.1	11.0										
			2	20.4	8.1	31.6	6.8	90.4	9.1	11.1										
			2	20.4	8.1	31.6	6.8	90.7	9.2	13.0										
			2	20.4	8.1	31.6	6.8	90.7	9.2	13.9										
			2	20.4	8.1	31.6	6.9	92.6	9.5	12.9										
			2	20.4	8.1	31.6	6.9	92.7	9.5	12.7										
		2	20.5	8.1	31.8	6.7	89.5	9.3	12.8											
		2	20.5	8.1	31.8	6.7	89.5	9.2	12.9											
		2	20.5	8.1	31.8	6.7	89.7	10.0	13.7											
		2	20.5	8.1	31.8	6.7	89.7	10.0	13.8											
		2	20.5	8.1	31.8	6.8	91.6	10.0	12.9											
		2	20.5	8.1	31.8	6.9	91.7	10.0	12.8											
		2	20.0	8.1	31.4	7.0	92.5	9.0	6.5											
		2	20.0	8.1	31.4	7.0	92.5	9.0	6.7											
		2	20.0	8.1	31.4	7.1	93.9	9.1	8.4											
		2	20.0	8.1	31.4	7.1	94.0	9.2	8.5											
		2	20.1	8.1	31.4	7.0	92.9	9.9	12.9											
		2	20.1	8.1	31.4	7.0	93.1	10.0	13.5											
		2	20.1	8.1	31.4	7.2	94.6	10.5	12.7											
		2	20.0	8.1	31.4	7.2	94.8	10.4	11.6											