

Annex G3

## Monitoring Results for Water Quality

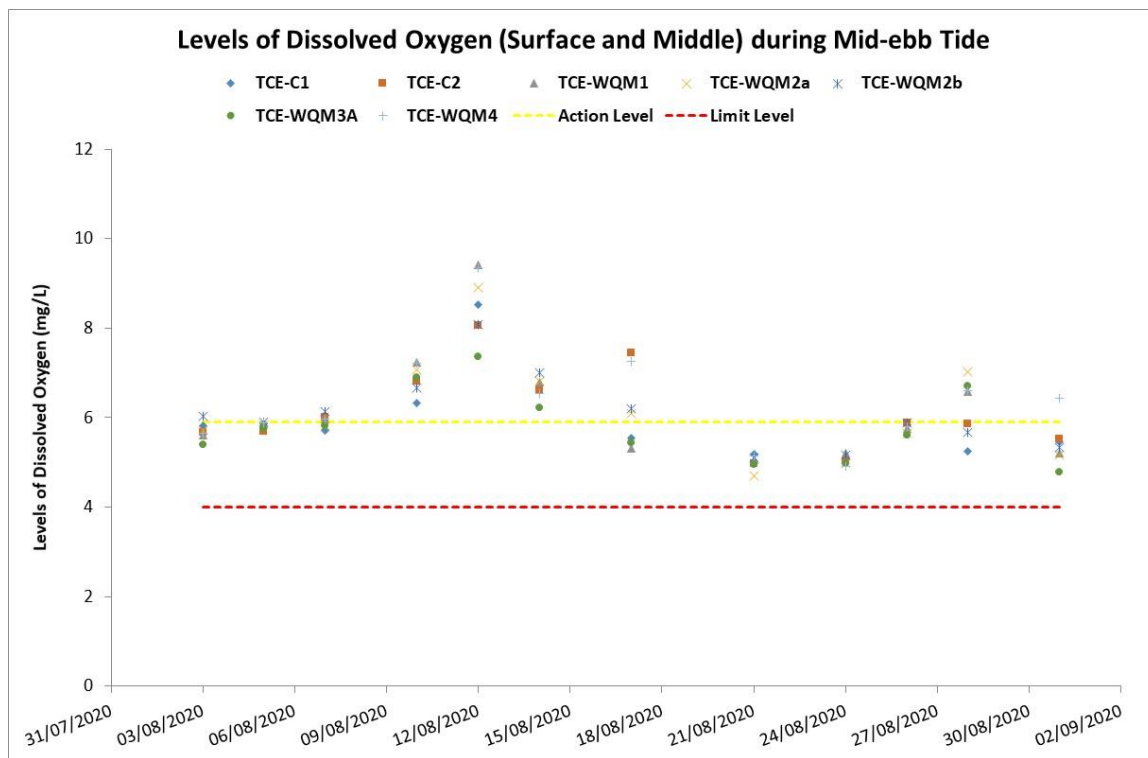


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2020

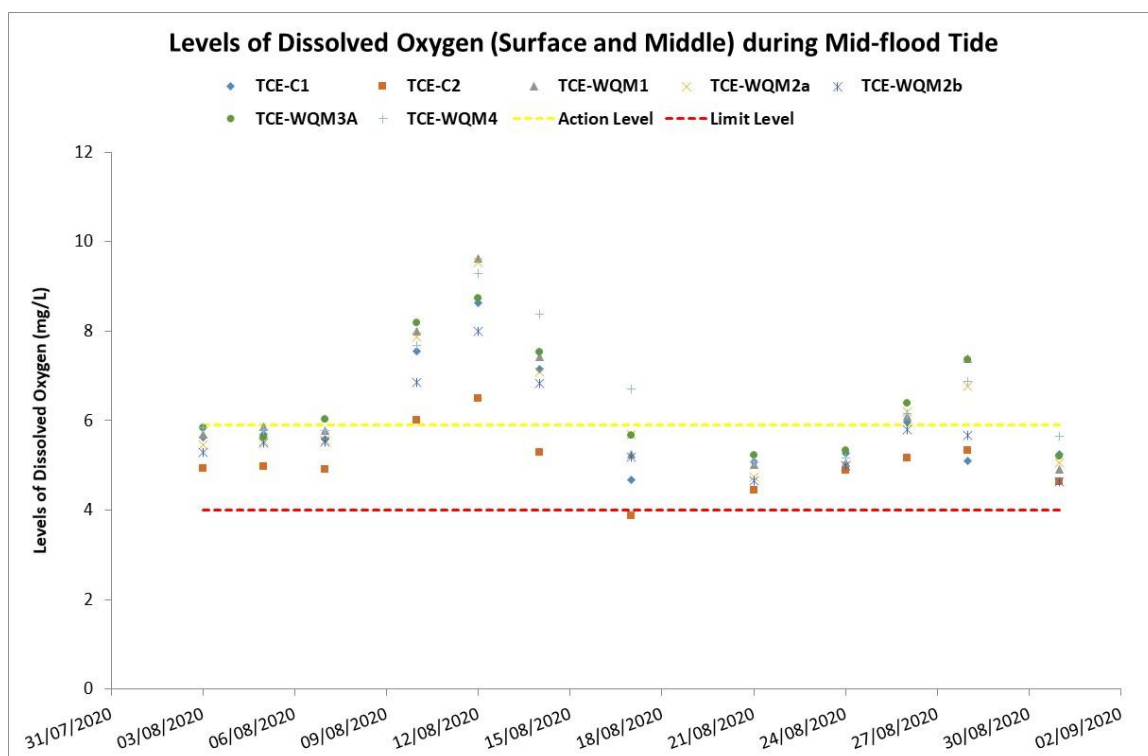


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2020

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

Date: August 2020

**Environmental  
Resources  
Management**



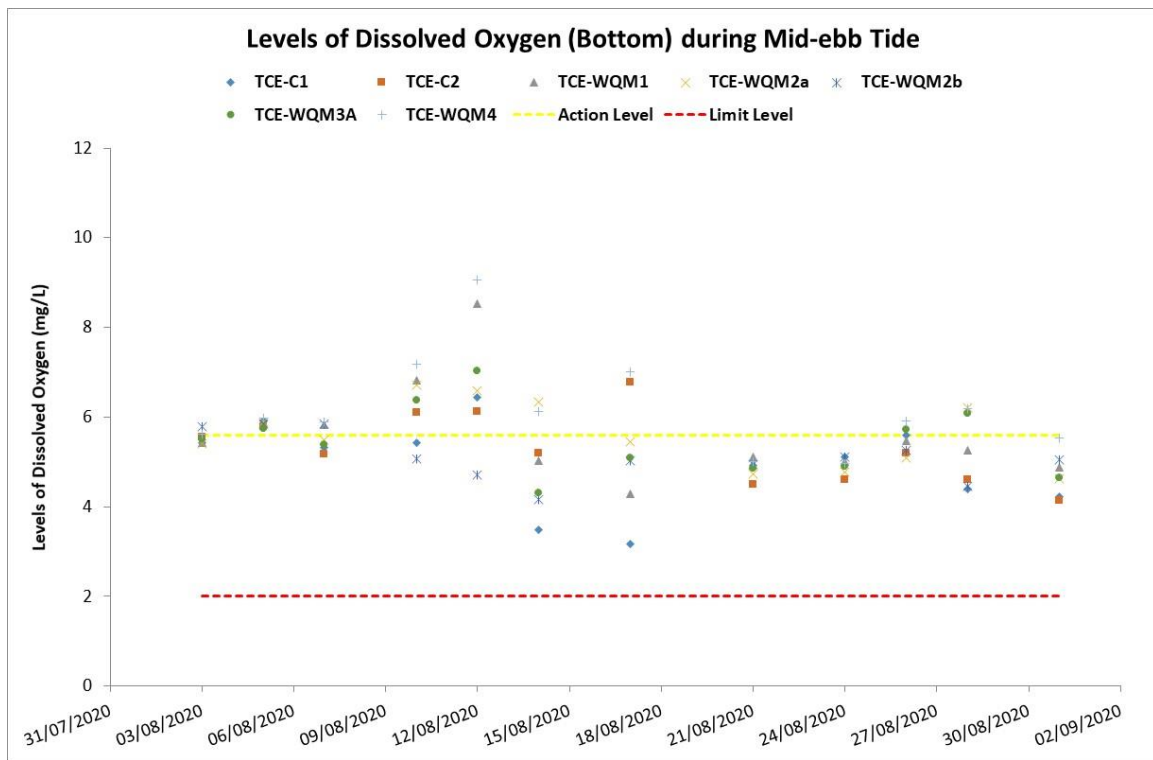


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2020

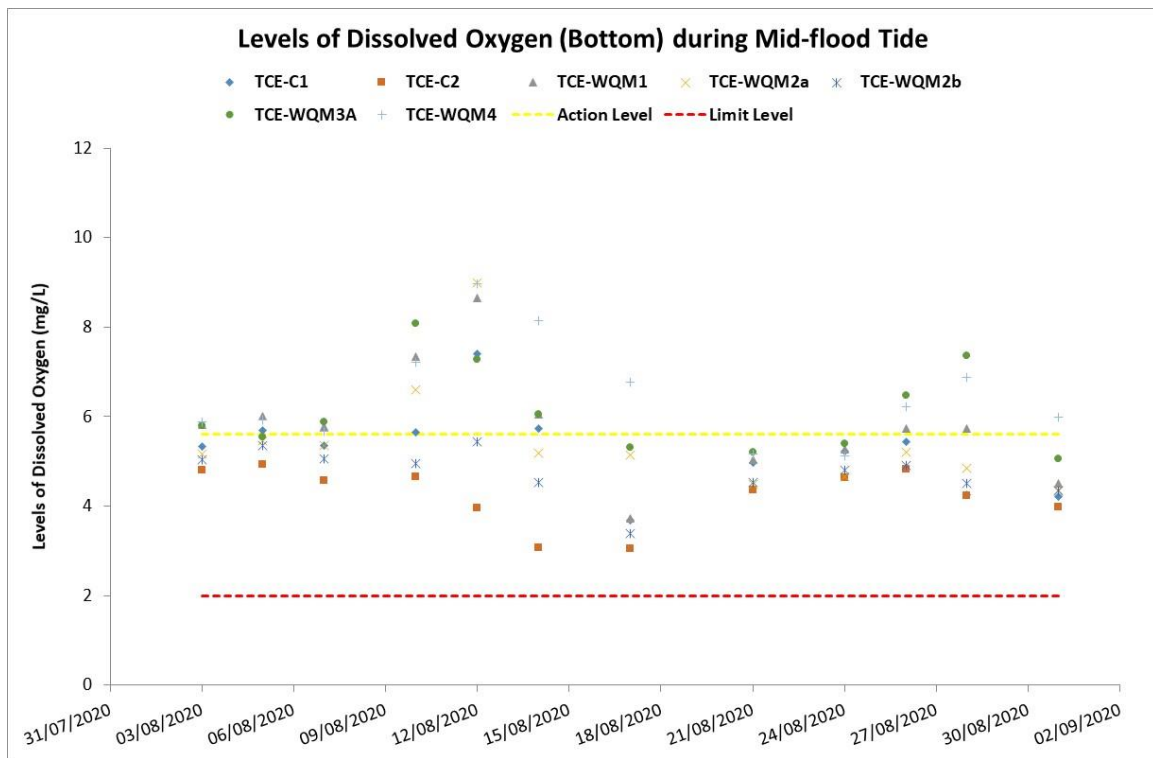


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02\_Deliverable\10 Monthly EM&A Report\  
 Date: August 2020

**Environmental  
 Resources  
 Management**



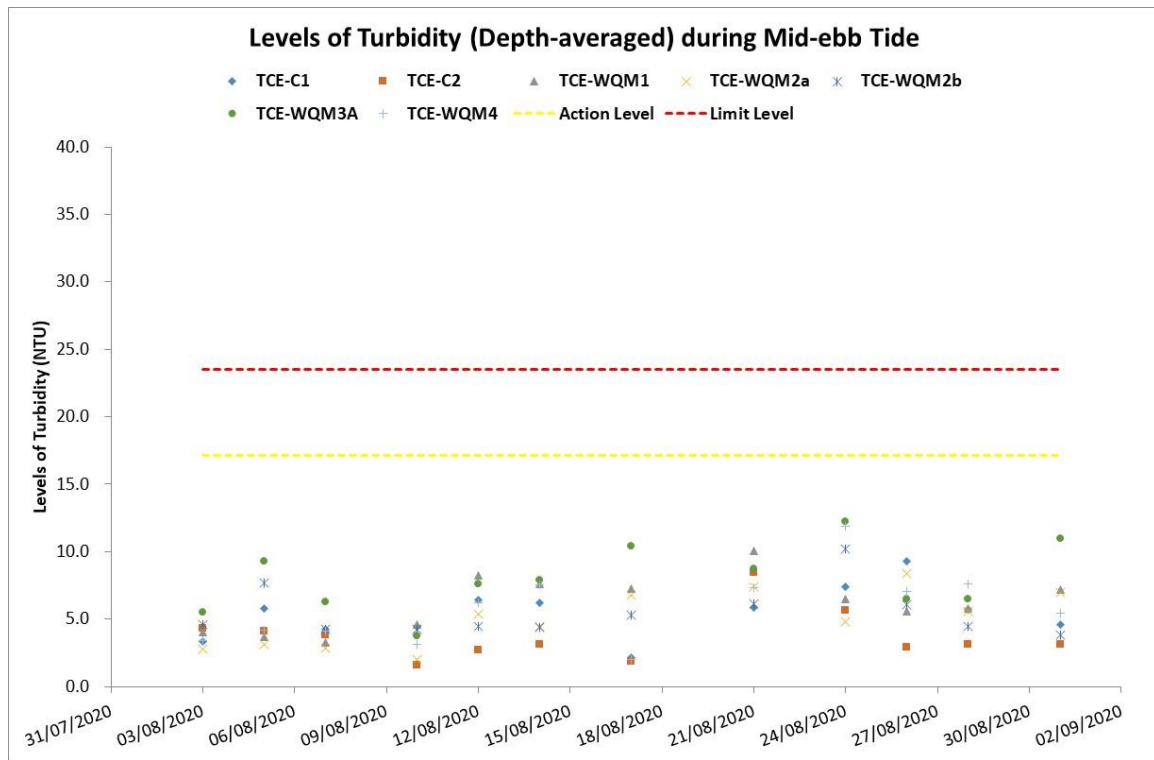


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2020

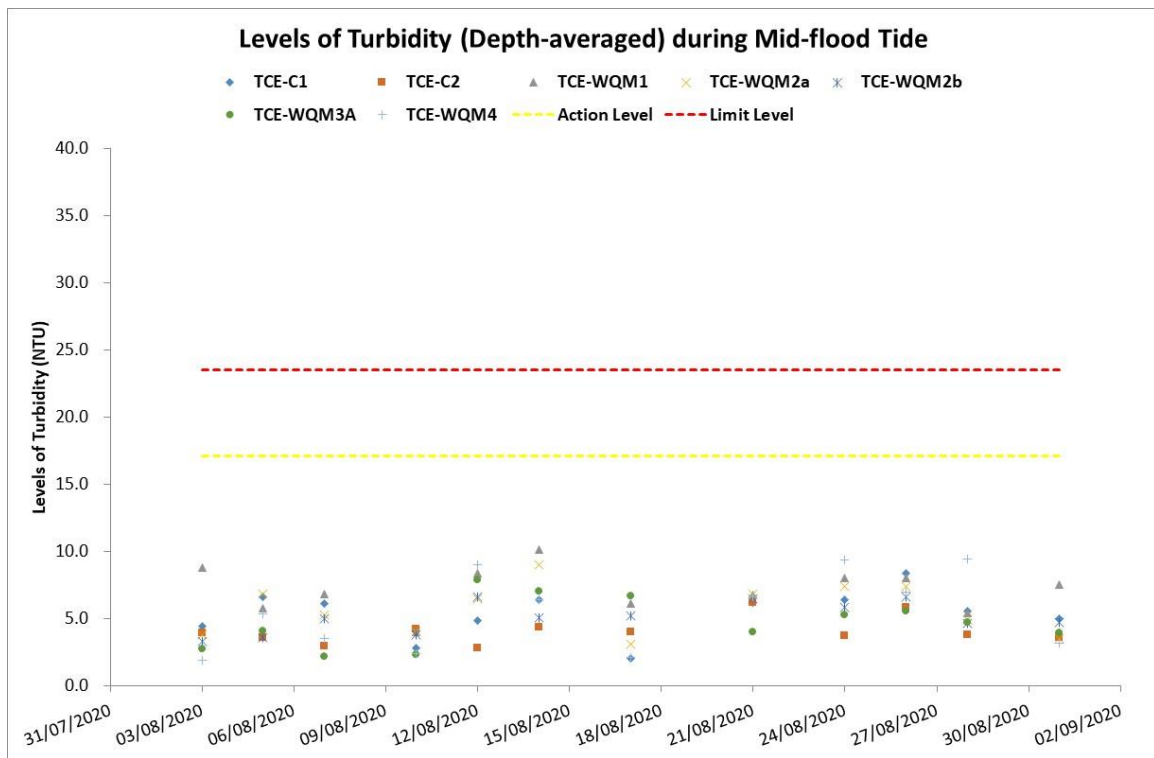


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2020

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

Date: August 2020

**Environmental  
Resources  
Management**



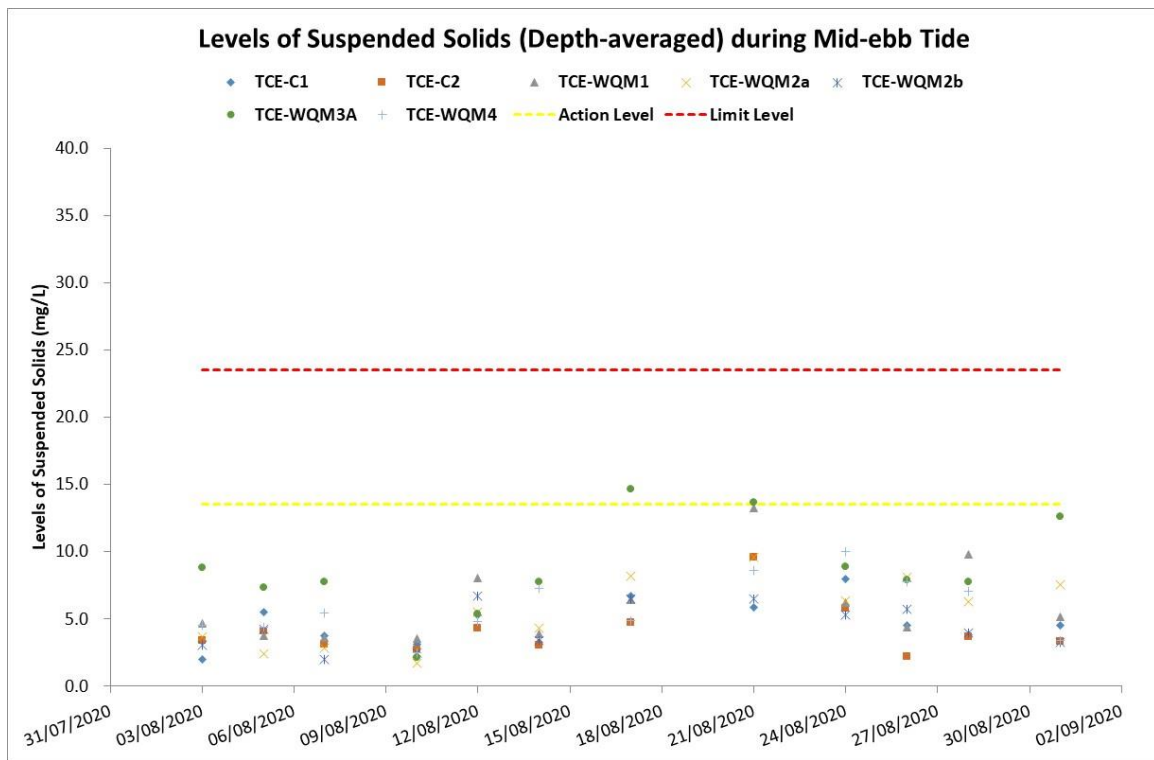


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2020

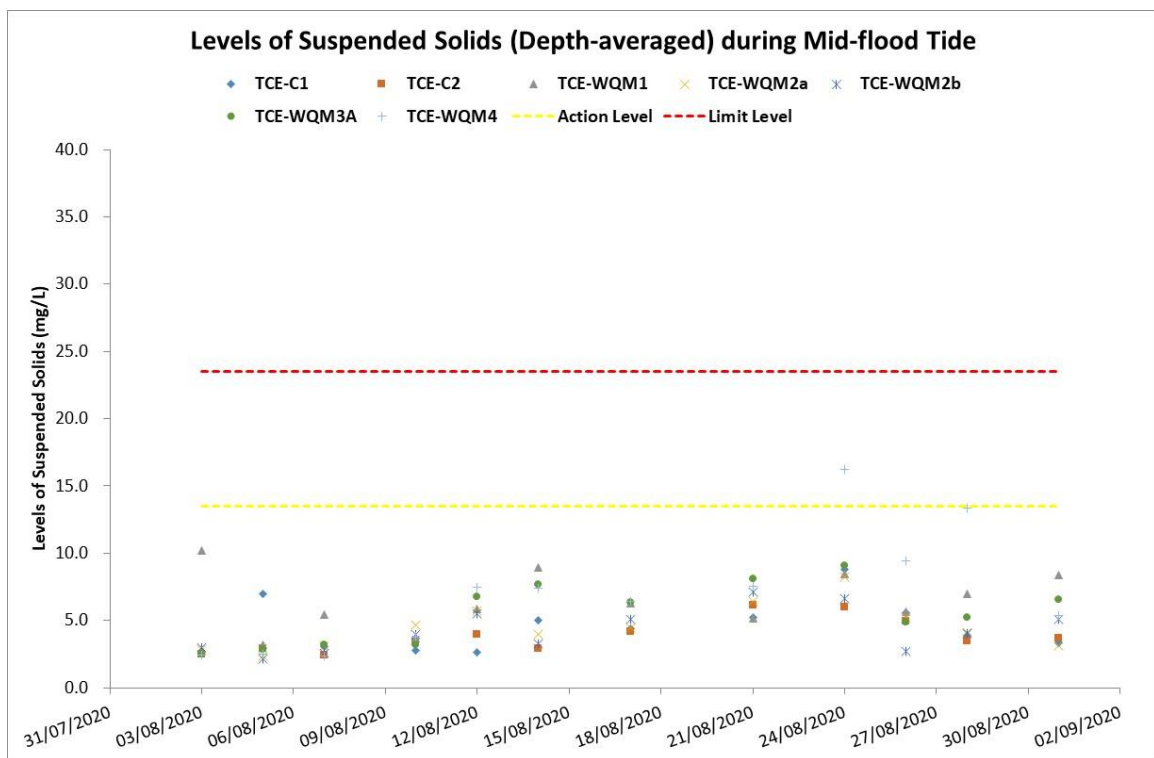


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02\_Deliverable\10 Monthly EM&A Report\  
 Date: August 2020

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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)					
03-08-20	Mid-Ebb	TCE-C1	Rainy	Moderate	11:11	8.4	Surface	1.0	1	26.8	8.1	27.1	6.0	87.2	2.2	2.1	5.8	3.4	2.2					
									2	26.8	8.1	27.1	6.0	87.1	2.2	2.9								
							Middle	4.2	1	26.7	8.1	29.0	5.6	82.8	2.9	2.1								
									2	26.7	8.1	29.0	5.6	82.7	3.0	2.4								
				Bottom	7.4	1	26.5	8.1	29.9	5.4	79.6	4.9	1.9	5.4										
						2	26.5	8.1	29.9	5.4	79.9	5.0	1.6											
		TCE-C2	Rainy	Moderate	13:10	13.3	Surface	1.0	1	26.5	8.0	25.7	5.7				81.9	2.2	2.2	5.7	4.3	3.4		
								2	26.5	8.0	25.7	5.7	81.7				2.3	2.9						
		Middle					6.7	1	26.4	8.0	25.8	5.6	80.9	2.6	3.0									
								2	26.4	8.0	25.8	5.6	80.8	3.0	2.6									
				Bottom	12.3	1	26.3	8.0	26.1	5.6	79.8	8.0	4.6	5.6										
						2	26.3	8.0	26.1	5.6	79.8	7.9	5.1											
		TCE-WQM1	Rainy	Calm	12:00	8.6	Surface	1.0	1	26.8	8.0	25.3	5.7				82.4	3.0	5.6	5.6	4.0	4.7		
								2	26.8	8.0	25.3	5.7	82.3				3.0	6.1						
		Middle					4.3	1	26.6	8.0	25.8	5.5	79.7	3.7	4.7									
								2	26.6	8.0	25.8	5.5	79.5	3.9	3.7									
				Bottom	7.6	1	26.5	8.0	26.2	5.4	78.3	5.4	4.5	5.4										
						2	26.5	8.0	26.2	5.4	78.3	5.3	3.6											
		TCE-WQM2a	Rainy	Moderate	12:35	7.6	Surface	1.0	1	26.8	8.0	25.3	5.9				85.7	2.0	3.4	5.7	2.7	3.7		
								2	26.8	8.0	25.3	5.9	85.7				2.0	2.9						
		Middle					3.8	1	26.4	8.0	26.1	5.5	78.9	3.3	3.7									
								2	26.4	8.0	26.1	5.5	78.8	3.2	4.2									
				Bottom	6.6	1	26.0	8.0	26.8	5.4	77.7	3.0	4.2	5.4										
						2	26.0	8.0	26.8	5.4	77.7	3.0	3.7											
		TCE-WQM2b	Rainy	Moderate	12:48	12.0	Surface	1.0	1	26.9	8.0	24.3	6.2				89.2	1.3	3.1	6.0	4.6	3.0		
								2	26.9	8.0	24.3	6.2	89.2				1.4	4.1						
		Middle					6.0	1	26.5	8.0	25.3	5.8	83.8	4.3	3.2									
								2	26.5	8.0	25.3	5.8	83.7	4.2	2.3									
				Bottom	11.0	1	26.4	8.0	25.5	5.8	82.8	8.3	2.8	5.8										
						2	26.4	8.0	25.5	5.8	82.9	8.1	2.7											
		TCE-WQM3A	Rainy	Calm	12:24	4.1	Surface	1.0	1	26.6	8.0	24.8	5.4				77.5	4.6	7.2	5.4	5.5	8.8		
								2	26.6	8.0	24.9	5.4	77.5				4.7	6.9						
		Bottom					3.1	1	26.6	8.0	25.0	5.5	78.8	6.3	10.0									
								2	26.6	8.0	25.0	5.5	79.1	6.5	11.2									
				TCE-WQM4	Rainy	Calm	12:14	3.2	Surface	1.0	1	26.7	8.0	25.3	5.7	81.4	3.7	4.1	5.7	3.4	4.6			
										2	26.7	8.0	25.3	5.7	81.4	3.7	5.1							
		Bottom	2.2	1					26.7	8.0	25.3	5.6	80.7	3.2	5.0									
				2					26.7	8.0	25.3	5.6	80.8	3.2	4.0									
		03-08-20	Mid-Flood	TCE-C1	Rainy	Moderate	6:39	9.0	Surface	1.0	1	26.8	8.1	26.8	5.9	86.1	2.3	2.2	5.6	4.4	2.7			
											2	26.8	8.1	26.8	5.9	86.1	2.3	2.1						
									Middle	4.5	1	26.6	8.1	29.7	5.4	78.8	4.2	3.0						
											2	26.6	8.1	29.7	5.3	78.6	4.3	2.8						
						Bottom	8.0	1	26.5	8.1	30.1	5.3	78.4	6.7	3.3	5.3								
								2	26.5	8.1	30.1	5.4	78.9	6.8	2.8									
				TCE-C2	Rainy	Moderate	4:36	13.6	Surface	1.0	1	25.6	7.9	28.0	5.1				73.0	1.5	2.6	4.9	4.0	2.5
										2	25.6	7.9	28.0	5.1	72.9				1.5	2.9				
				Middle					6.8	1	25.3	7.9	28.9	4.8	68.6	4.6	2.3							
										2	25.3	7.9	28.9	4.8	68.6	4.7	2.9							
				Bottom	12.6	1	25.3	7.9	29.0	4.8	68.9	5.6	2.0	4.8										
						2	25.3	7.8	29.0	4.8	69.0	5.8	2.4											
TCE-WQM1	Rainy			Calm	5:56	8.8	Surface	1.0	1	26.6	8.0	25.2	5.7				81.9	8.0	8.8	5.7	8.8	10.2		
								2	26.6	8.0	25.2	5.7	81.8				8.1	9.3						
Middle							4.4	1	26.6	8.0	25.3	5.7	81.7	8.9	9.1									
								2	26.6	8.0	25.3	5.7	81.7	8.8	10.3									
				Bottom	7.8	1	26.6	8.0	25.3	5.8	83.3	9.5	11.4	5.8										
						2	26.6	8.0	25.3	5.8	83.5	9.6	12.1											
TCE-WQM2a	Rainy			Moderate	5:18	7.7	Surface	1.0	1	26.4	8.0	24.6	5.8				82.0	1.9	3.1	5.5	3.8	2.9		
								2	26.4	8.0	24.6	5.8	82.0				1.9	3.9						
Middle							3.9	1	25.8	8.0	27.2	5.2	73.8	3.7	3.3									
								2	25.8	8.0	27.3	5.2	73.7	3.9	3.4									
				Bottom	6.7	1	25.6	8.0	28.1	5.2	74.0	5.6	1.9	5.2										
						2	25.6	8.0	28.1	5.2	74.2	5.7	1.6											
TCE-WQM2b	Rainy			Moderate	5:06	12.5	Surface	1.0	1	26.1	8.0	25.9	5.4				77.0	2.5	3.8	5.3	3.3	3.0		
								2	26.1	8.0	26.0	5.4	76.8				2.6	4.5						
Middle							6.3	1	25.7	8.0	27.5	5.2	74.8	3.0	3.1									
								2	25.7	8.0	27.5	5.2	74.8	2.9	2.2									
				Bottom	11.5	1	25.5	8.0	28.5	5.0	72.2	4.4	2.3	5.0										
						2	25.5	8.0	28.5	5.1	72.5	4.6	2.0											
TCE-WQM3A	Rainy			Calm	5:33	4.3	Surface	1.0	1	26.5	8.0	24.4	5.8				83.3	2.7	2.5	5.8	2.7	2.5		
								2	26.5	8.0	24.4	5.8	83.2				2.8	3.1						
Bottom							3.3	1	26.5	8.0	24.5	5.8	82.6	2.8	2.1									
								2	26.5	8.0	24.5	5.8	82.6	2.7	2.3									
				TCE-WQM4	Rainy	Calm	5:44	3.4	Surface	1.0	1	26.5	8.0	25.2	5.8	83.6	1.8	2.2	5.8	1.9	2.4			
										2	26.5	8.0	25.2	5.8	83.6	1.7	3.2							
Bottom	2.4			1					26.5	8.0	25.3	5.9	84.3	2.0	2.0									
				2					26.5	8.0	25.3	5.9	84.7	2.0	2.3									

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)					
05-08-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:30	8.4	Surface	1.0	1	27.3	8.1	27.6	5.8	85.9	3.7	5.8	5.9	5.8	5.6					
									2	27.3	8.1	27.6	5.8	86.0	3.8	6.2								
							Middle	4.2	1	27.2	8.1	28.5	5.9	86.6	5.1	5.9								
									2	27.2	8.1	28.5	5.9	86.6	5.3	6.0								
				Bottom	7.4	1	27.2	8.1	28.8	5.9	87.4	8.4	5.0	5.9	5.8	5.6								
						2	27.2	8.1	28.8	5.9	87.6	8.5	4.4											
		TCE-C2	Cloudy	Moderate	14:21	12.8	Surface	1.0	1	27.1	7.9	24.8	5.7				82.8	2.7	4.0	5.7	4.1	4.1		
									2	27.1	7.9	24.8	5.7				82.8	2.7	4.3					
							Middle	6.4	1	27.0	7.9	25.0	5.7	81.7	4.5	4.2								
									2	27.0	7.9	25.0	5.7	81.7	4.2	4.5								
				Bottom	11.8	1	27.0	7.9	25.1	5.8	83.3	5.4	3.8	5.8	4.1	4.1								
						2	27.0	7.9	25.1	5.8	83.5	5.2	3.7											
		TCE-WQM1	Cloudy	Moderate	13:12	8.2	Surface	1.0	1	27.5	8.0	24.3	5.9				85.9	3.1	3.7	5.9	3.6	3.8		
									2	27.5	8.0	24.3	5.9				85.9	3.1	3.5					
							Middle	4.1	1	27.4	8.0	24.7	5.8	84.2	3.4	3.6								
									2	27.4	8.0	24.7	5.8	84.1	3.5	2.7								
				Bottom	7.2	1	27.3	8.0	25.5	5.9	85.0	4.5	5.0	5.9	3.6	3.8								
						2	27.3	8.0	25.5	5.9	85.2	4.5	4.0											
		TCE-WQM2a	Cloudy	Moderate	13:46	7.3	Surface	1.0	1	27.2	7.9	24.2	6.0				86.2	1.8	2.2	5.8	3.1	2.5		
									2	27.2	7.9	24.2	6.0				86.2	1.8	3.2					
							Middle	3.7	1	26.8	7.9	25.3	5.7	81.9	3.4	2.2								
									2	26.8	7.9	25.3	5.7	82.2	3.5	2.9								
				Bottom	6.3	1	26.7	7.9	25.7	5.9	84.8	4.1	2.2	5.9	3.1	2.5								
						2	26.7	7.9	25.7	5.9	85.4	4.2	2.0											
		TCE-WQM2b	Cloudy	Moderate	13:57	11.4	Surface	1.0	1	27.3	8.0	24.4	6.1				88.0	2.8	4.7	5.9	7.7	4.3		
									2	27.3	8.0	24.4	6.1				88.0	2.9	5.3					
							Middle	5.7	1	27.0	8.0	25.0	5.7	82.3	8.9	4.3								
									2	27.0	8.0	25.0	5.7	82.3	8.9	4.4								
				Bottom	10.4	1	26.9	8.0	25.1	5.8	84.1	11.2	3.2	5.8	7.7	4.3								
						2	26.9	8.0	25.1	5.8	84.4	11.4	3.8											
		TCE-WQM3A	Cloudy	Moderate	13:34	4.2	Surface	1.0	1	27.1	7.9	22.4	5.8				82.1	9.3	6.5	5.8	9.3	7.3		
									2	27.1	7.9	22.4	5.8				82.3	9.5	6.7					
							Bottom	3.2	1	27.1	7.9	23.8	5.7	82.3	9.3	7.6								
									2	27.1	7.9	23.9	5.8	82.8	9.0	8.5								
		TCE-WQM4	Cloudy	Moderate	13:24	3.5	Surface	1.0	1	27.4	7.9	24.3	5.9	85.0	4.4	4.8	5.9	4.1	4.4					
									2	27.4	7.9	24.3	5.9	85.1	4.4	4.1								
							Bottom	2.5	1	27.4	8.0	24.3	6.0	86.4	3.9	4.2								
									2	27.4	8.0	24.3	6.0	86.7	3.9	4.6								
		05-08-20	Mid-Flood	TCE-C1	Cloudy	Moderate	8:59	8.5	Surface	1.0	1	27.2	8.1	28.8	5.7	84.7	4.9	6.1	5.7	6.6	7.0			
											2	27.2	8.1	28.8	5.7	84.7	4.9	5.9						
									Middle	4.3	1	27.2	8.1	28.9	5.6	83.5	6.4	7.5						
											2	27.2	8.1	28.9	5.6	83.5	6.9	7.6						
						Bottom	7.5	1	27.2	8.1	29.1	5.7	84.1	8.2	7.0	5.7	6.6	7.0						
								2	27.2	8.1	29.1	5.7	84.2	8.3	7.6									
				TCE-C2	Cloudy	Rough	7:10	12.9	Surface	1.0	1	26.5	7.9	26.9	5.1				73.5	1.9	3.2	5.0	3.6	2.9
											2	26.5	7.9	26.9	5.1				73.4	1.9	3.9			
									Middle	6.5	1	26.3	7.9	28.7	4.8	70.5	4.1	3.2						
											2	26.3	7.9	28.7	4.9	70.6	4.3	2.3						
				Bottom	11.9	1	26.3	7.9	28.8	4.9	71.7	4.7	2.1	4.9	3.6	2.9								
						2	26.3	7.9	28.7	4.9	71.9	4.6	2.9											
TCE-WQM1	Cloudy			Moderate	8:20	8.3	Surface	1.0	1	27.3	7.9	24.2	5.8				84.1	5.3	4.8	5.9	5.8	3.2		
									2	27.3	7.9	24.2	5.8				84.0	5.4	3.8					
							Middle	4.2	1	27.3	8.0	24.2	5.9	84.8	5.8	3.3								
									2	27.3	8.0	24.2	5.9	85.0	5.9	2.3								
				Bottom	7.3	1	27.3	8.0	24.2	6.0	86.6	6.1	2.4	6.0	5.8	3.2								
						2	27.3	8.0	24.2	6.0	86.8	6.3	2.6											
TCE-WQM2a	Cloudy			Moderate	7:47	7.5	Surface	1.0	1	27.0	7.9	23.8	5.8				83.5	1.8	2.5	5.5	6.8	2.3		
									2	27.0	7.9	23.8	5.8				83.5	1.8	2.3					
							Middle	3.8	1	26.6	7.9	25.7	5.3	75.6	7.4	2.6								
									2	26.6	7.9	25.8	5.3	75.7	7.9	2.5								
				Bottom	6.5	1	26.7	7.9	26.1	5.4	78.6	10.9	2.0	5.5	6.8	2.3								
						2	26.7	7.9	26.1	5.5	79.0	11.0	2.1											
TCE-WQM2b	Cloudy			Moderate	7:34	11.2	Surface	1.0	1	26.9	7.9	24.6	5.7				81.5	1.1	2.4	5.5	3.6	2.2		
									2	26.9	7.9	24.7	5.7				81.5	1.1	2.0					
							Middle	5.6	1	26.6	7.9	25.9	5.3	76.9	4.5	2.4								
									2	26.6	7.9	26.0	5.3	76.9	4.7	2.3								
				Bottom	10.2	1	26.6	7.9	26.2	5.3	77.1	5.1	1.8	5.4	3.6	2.2								
						2	26.6	7.9	26.1	5.4	77.3	5.2	2.0											
TCE-WQM3A	Cloudy			Moderate	7:58	4.3	Surface	1.0	1	27.1	7.9	24.0	5.6				80.8	2.5	3.1	5.6	4.0	2.8		
									2	27.1	7.9	24.0	5.6				80.8	2.4	2.6					
							Bottom	3.3	1	27.0	7.9	24.3	5.5	79.8	5.5	2.3								
									2	27.0	7.9	24.4	5.5	79.7	5.8	3.3								
TCE-WQM4	Cloudy			Moderate	8:07	3.7	Surface	1.0	1	27.0	7.9	24.1	5.8	83.1	5.3	3.0	5.8	5.3	2.5					
									2	27.0	7.9	24.1	5.8	83.5	5.3	2.0								
							Bottom	2.7	1	27.0	7.9	24.1	5.9	84.9	5.3	2.0								
									2	27.0	7.9	24.1	5.9	85.1	5.4	2.9								

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)					
07-08-20	Mid-Ebb	TCE-C1	Fine	Moderate	13:38	8.8	Surface	1.0	1	28.0	8.0	25.4	5.9	86.4	3.3	2.3	5.7	4.2	3.8					
									2	28.0	8.0	25.4	5.8	85.9	3.4	2.6								
							Middle	4.4	1	27.6	8.1	28.0	5.6	82.5	3.8	4.5								
									2	27.6	8.1	28.0	5.6	82.3	3.8	4.0								
				Bottom	7.8	1	27.5	8.1	28.5	5.3	79.0	5.6	4.4	5.3										
						2	27.5	8.1	28.5	5.3	79.1	5.5	4.7											
		TCE-C2	Fine	Moderate	15:36	13.3	Surface	1.0	1	28.1	8.0	23.9	6.2				90.1	1.6	3.6	6.0	3.8	3.1		
								2	28.1	8.0	23.9	6.2	90.0				1.6	3.1						
								Middle	6.7	1	27.9	8.0	24.4	5.9	85.7	3.6	3.4							
										2	27.9	8.0	24.4	5.9	85.5	3.7	2.8							
				Bottom	12.3	1	27.1	8.0	26.9	5.2	75.3	6.1	3.2	5.2										
						2	27.1	8.0	26.9	5.2	75.8	6.2	2.5											
		TCE-WQM1	Fine	Calm	14:23	8.1	Surface	1.0	1	28.5	8.0	23.8	6.1				89.4	2.7	3.0	6.0	3.2	3.7		
								2	28.5	8.0	23.8	6.1	89.2				2.7	3.5						
								Middle	4.1	1	28.1	8.0	24.7	5.9	85.9	3.1	4.0							
										2	28.1	8.0	24.7	5.8	85.7	3.2	3.8							
				Bottom	7.1	1	28.0	8.0	25.0	5.8	85.4	3.9	3.5	5.8										
						2	28.0	8.0	25.0	5.8	85.4	3.8	4.1											
		TCE-WQM2a	Fine	Moderate	15:00	7.4	Surface	1.0	1	28.2	8.0	23.7	6.0				87.9	2.3	2.9	5.8	2.8	2.9		
								2	28.2	8.0	23.7	6.0	87.9				2.3	2.1						
								Middle	3.7	1	27.6	8.0	24.5	5.7	82.3	2.8	2.8							
										2	27.6	8.0	24.6	5.6	81.9	2.9	3.2							
				Bottom	6.4	1	27.5	8.0	25.0	5.5	80.0	3.3	2.8	5.5										
						2	27.5	8.0	25.1	5.5	80.0	3.3	3.3											
		TCE-WQM2b	Fine	Moderate	15:13	11.9	Surface	1.0	1	28.2	8.0	23.3	6.4				93.7	0.8	2.2	6.1	4.3	2.0		
								2	28.2	8.0	23.3	6.4	93.5				0.8	2.0						
								Middle	6.0	1	27.6	8.0	24.4	5.8	84.9	5.2	1.8							
										2	27.6	8.0	24.4	5.8	84.9	5.1	2.2							
				Bottom	10.9	1	27.6	8.0	24.4	5.8	85.0	7.0	2.1	5.8										
						2	27.6	8.0	24.4	5.9	85.0	6.8	1.5											
		TCE-WQM3A	Fine	Calm	14:49	4.2	Surface	1.0	1	28.0	8.0	22.7	5.8				84.3	5.4	7.2	5.8	6.3	7.8		
								2	28.0	8.0	22.7	5.8	84.3				5.4	8.0						
								Bottom	3.2	1	27.6	8.0	23.7	5.4	77.9	7.2	8.2							
										2	27.6	8.0	23.7	5.4	77.9	7.0	7.6							
				TCE-WQM4	Fine	Calm	14:36	3.3	Surface	1.0	1	28.4	8.0	23.7	6.0	87.4	3.8	4.9	6.0	4.1	5.5			
										2	28.4	8.0	23.7	6.0	87.4	3.8	5.7							
				Bottom					2.3	1	28.1	8.0	23.6	5.9	86.1	4.5	6.1							
										2	28.1	8.0	23.6	5.9	86.1	4.4	5.2							
		07-08-20	Mid-Flood	TCE-C1	Cloudy	Moderate	9:43	8.9	Surface	1.0	1	27.6	8.0	27.2	5.8	84.9	2.5	2.3	5.6	6.1	3.1			
											2	27.6	8.0	27.2	5.7	84.8	2.5	2.0						
											Middle	4.5	1	27.5	8.0	28.4	5.4	80.3				6.9	3.5	
													2	27.5	8.0	28.4	5.4	80.2				6.9	3.5	
						Bottom	7.9	1	27.4	8.1	28.7	5.4	79.5	9.2	3.9	5.4								
								2	27.4	8.1	28.7	5.4	79.6	8.9	3.2									
				TCE-C2	Cloudy	Moderate	7:43	13.5	Surface	1.0	1	27.1	7.9	25.6	5.3				76.5	1.0	2.3	4.9	2.9	2.5
										2	27.1	7.9	25.7	5.3	76.3				1.1	2.6				
										Middle	6.8	1	26.6	7.8	29.2	4.6	66.8	2.1	2.4					
												2	26.6	7.8	29.2	4.6	66.8	2.2	2.3					
				Bottom	12.5	1	26.5	7.8	29.4	4.6	67.0	5.9	2.4	4.6										
						2	26.5	7.8	29.4	4.6	67.1	5.6	2.7											
TCE-WQM1	Cloudy			Calm	8:56	8.6	Surface	1.0	1	27.8	7.9	23.6	5.8				84.0	6.0	4.3	5.8	6.8	5.5		
								2	27.8	7.9	23.6	5.8	84.0				6.1	4.6						
								Middle	4.3	1	27.8	7.9	23.6	5.8	83.8	6.4	6.0							
										2	27.8	7.9	23.6	5.8	83.8	6.4	7.7							
				Bottom	7.6	1	27.8	7.9	23.6	5.8	83.9	8.1	4.8	5.8										
						2	27.8	7.9	23.6	5.8	83.9	8.0	5.3											
TCE-WQM2a	Cloudy			Moderate	8:20	7.7	Surface	1.0	1	27.7	7.9	23.0	5.9				84.9	1.9	2.9	5.6	5.3	3.1		
								2	27.7	7.9	23.0	5.9	84.9				1.9	2.9						
								Middle	3.9	1	27.3	7.9	24.8	5.2	75.8	5.6	2.2							
										2	27.3	7.9	24.8	5.2	75.8	5.6	2.4							
				Bottom	6.7	1	27.2	7.9	25.1	5.3	77.5	8.3	3.7	5.4										
						2	27.2	7.9	25.1	5.4	77.8	8.3	4.7											
TCE-WQM2b	Cloudy			Moderate	8:08	12.0	Surface	1.0	1	27.5	7.9	23.7	5.7				82.7	1.0	2.2	5.5	5.0	2.6		
								2	27.5	7.9	23.7	5.7	82.7				1.0	2.7						
								Middle	6.0	1	27.2	7.9	25.3	5.3	77.3	5.5	2.1							
										2	27.2	7.9	25.3	5.3	77.3	5.9	2.8							
				Bottom	11.0	1	27.0	7.9	27.0	5.1	73.7	8.4	3.2	5.1										
						2	27.0	7.9	26.9	5.1	73.9	8.2	2.4											
TCE-WQM3A	Cloudy			Calm	8:33	4.3	Surface	1.0	1	27.7	7.9	22.8	6.0				87.1	1.7	4.0	6.0	2.2	3.2		
								2	27.7	7.9	22.8	6.0	87.0				1.7	3.8						
								Bottom	3.3	1	27.6	8.0	23.0	5.9	84.8	2.6	2.7							
										2	27.6	8.0	23.0	5.9	85.0	2.6	2.3							
				TCE-WQM4	Cloudy	Calm	8:43	3.6	Surface	1.0	1	27.7	7.9	23.1	5.8	83.6	2.4	1.9	5.8	3.5	2.4			
										2	27.7	7.9	23.1	5.8	83.4	2.5	2.6							
				Bottom					2.6	1	27.6	8.0	23.6	5.7	82.0	4.4	2.9							
										2	27.6	8.0	23.6	5.7	82.0	4.7	2.0							



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)					
10-08-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	6:51	7.6	Surface	1.0	1	28.8	8.1	20.3	6.5	93.8	3.7	2.8	6.3	4.4	3.2					
									2	28.8	8.1	20.4	6.4	93.5	3.7	2.9								
							Middle	3.8	1	28.8	8.0	21.1	6.2	90.5	4.4	3.0								
									2	28.7	8.0	21.1	6.2	90.2	4.4	3.2								
				Bottom	6.6	1	28.2	8.0	26.1	5.4	80.3	4.9	3.4	5.4										
						2	28.2	8.0	26.2	5.4	80.6	5.4	3.6											
		TCE-C2	Cloudy	Moderate	4:53	12.4	Surface	1.0	1	28.8	8.0	20.0	6.9				99.5	0.9	2.5	6.8	1.6	2.7		
								2	28.8	8.0	20.0	6.9	99.5				1.0	2.4						
		Middle					6.2	1	28.6	8.0	21.6	6.7	98.1	2.0	2.7									
								2	28.6	8.0	21.6	6.7	98.0	2.0	2.7									
				Bottom	11.4	1	28.2	7.9	24.6	6.1	89.6	1.9	3.2	6.1										
						2	28.2	7.9	24.7	6.1	89.7	1.8	2.8											
		TCE-WQM1	Cloudy	Moderate	6:12	7.4	Surface	1.0	1	29.1	8.1	22.5	7.3				107.2	2.6	4.4	7.2	4.6	3.5		
								2	29.1	8.1	22.5	7.3	107.1				2.6	4.6						
		Middle					3.7	1	29.1	8.1	22.6	7.2	106.6	4.1	3.9									
								2	29.1	8.1	22.7	7.2	106.4	4.8	3.5									
				Bottom	6.4	1	29.0	8.1	23.1	6.8	100.7	7.0	2.2	6.8										
						2	29.0	8.1	23.2	6.8	100.5	6.5	2.5											
		TCE-WQM2a	Cloudy	Moderate	5:38	6.4	Surface	1.0	1	28.9	8.1	22.6	7.2				105.2	1.5	1.7	7.1	2.0	1.7		
								2	28.9	8.1	22.6	7.2	105.2				1.5	1.8						
		Middle					3.2	1	28.8	8.1	22.9	7.0	102.7	1.7	1.7									
								2	28.8	8.1	23.0	6.9	102.2	1.8	1.6									
				Bottom	5.4	1	28.7	8.0	23.5	6.7	99.0	2.8	1.7	6.7										
						2	28.7	8.0	23.5	6.7	98.7	2.9	1.8											
		TCE-WQM2b	Cloudy	Moderate	5:25	11.4	Surface	1.0	1	29.0	8.0	19.7	6.8				98.7	1.3	1.5	6.7	4.2	2.5		
								2	29.0	8.0	19.7	6.8	98.6				1.3	1.7						
		Middle					5.7	1	29.0	8.0	20.8	6.6	95.8	1.8	2.4									
								2	29.0	8.0	20.8	6.5	95.0	1.8	2.1									
				Bottom	10.4	1	27.4	7.9	26.9	5.1	74.6	9.3	3.6	5.1										
						2	27.4	7.9	27.1	5.1	74.6	9.9	3.8											
		TCE-WQM3A	Cloudy	Moderate	5:50	4.2	Surface	1.0	1	28.8	8.0	22.5	6.9				101.5	3.0	1.9	6.9	3.8	2.2		
								2	28.8	8.0	22.7	6.9	101.2				3.2	1.6						
		Middle					3.2	1	28.7	8.0	23.3	6.4	93.6	4.4	2.4									
								2	28.7	8.0	23.3	6.4	93.6	4.5	2.7									
				Bottom	3.2	1	28.7	8.0	23.3	6.4	93.6	4.4	2.4	6.4										
						2	28.7	8.0	23.3	6.4	93.6	4.5	2.7											
		TCE-WQM4	Cloudy	Moderate	6:00	3.4	Surface	1.0	1	29.0	8.1	22.1	7.2				105.9	1.8	2.5	7.2	3.2	2.5		
								2	29.0	8.1	22.2	7.2	105.8				1.9	2.8						
		Middle					2.4	1	29.0	8.1	22.7	7.2	105.9	4.3	2.3									
								2	29.0	8.1	22.6	7.2	105.9	4.6	2.4									
				Bottom	2.4	1	29.0	8.1	22.7	7.2	105.9	4.3	2.3	7.2										
						2	29.0	8.1	22.6	7.2	105.9	4.6	2.4											
		10-08-20	Mid-Flood	TCE-C1	Cloudy	Moderate	9:09	7.7	Surface	1.0	1	28.9	8.2				15.6	8.0	113.3	2.4	3.2	7.6	2.8	2.8
										2	28.9	8.2	15.6				8.0	113.0	2.3	3.5				
		Middle							3.9	1	28.9	8.2	17.6	7.1	101.6	1.8	2.6							
										2	28.9	8.2	17.5	7.1	101.9	1.8	2.8							
					Bottom	6.7	1	28.4	8.0	25.0	5.6	83.4	3.8	2.4	5.6									
							2	28.4	8.0	25.3	5.6	83.5	4.9	2.2										
TCE-C2	Cloudy	Moderate		11:06	12.4	Surface	1.0	1	28.5	8.1	23.4	7.0	103.1	1.2				4.2	6.0	4.2	3.4			
							2	28.6	8.1	23.4	7.0	103.3	1.3	4.3										
Middle						6.2	1	27.0	8.0	28.2	5.0	73.8	2.8	3.8										
							2	26.9	8.0	28.4	5.0	73.6	3.6	3.5										
		Bottom		11.4	1	26.6	8.0	29.4	4.7	68.4	8.3	2.3	4.7											
					2	26.7	8.0	29.4	4.7	68.8	8.0	2.5												
TCE-WQM1	Cloudy	Moderate		9:51	8.0	Surface	1.0	1	29.4	8.1	21.4	8.2				120.4	2.4	4.1	8.0	4.0	3.7			
							2	29.4	8.1	21.5	8.2	120.3				2.4	4.5							
Middle						4.0	1	29.1	8.1	22.3	7.8	115.1	3.9	3.4										
							2	29.1	8.1	22.3	7.8	114.9	4.1	3.9										
		Bottom		7.0	1	29.0	8.1	22.6	7.4	108.3	5.6	2.9	7.4											
					2	29.0	8.1	22.7	7.4	108.3	5.7	3.2												
TCE-WQM2a	Cloudy	Moderate		10:25	7.0	Surface	1.0	1	29.3	8.1	20.7	8.0				116.4	2.9	5.8	7.9	4.0	4.7			
							2	29.3	8.1	20.7	8.0	116.4				2.9	5.4							
Middle						3.5	1	29.0	8.1	21.4	7.8	114.4	2.9	4.9										
							2	29.0	8.1	21.4	7.8	114.0	3.7	4.6										
		Bottom		6.0	1	28.7	8.1	22.6	6.6	96.5	5.8	3.8	6.6											
					2	28.7	8.1	22.5	6.6	97.3	6.0	3.4												
TCE-WQM2b	Cloudy	Moderate		10:36	11.2	Surface	1.0	1	29.0	8.1	20.5	7.6				110.7	1.4	3.0	6.8	3.8	3.9			
							2	29.0	8.1	20.5	7.6	110.7				1.4	3.1							
Middle						5.6	1	28.2	8.0	23.4	6.1	89.1	4.1	4.1										
							2	28.1	8.0	23.5	6.1	88.5	4.4	3.8										
		Bottom		10.2	1	27.6	8.0	26.9	4.9	72.9	6.0	4.6	5.0											
					2	27.7	8.0	26.8	5.0	73.3	5.5	5.0												
TCE-WQM3A	Cloudy	Moderate		10:14	4.2	Surface	1.0	1	29.2	8.2	20.6	8.2				119.6	2.1	2.9	8.2	2.3	3.2			
							2	29.2	8.2	20.7	8.2	119.6				2.1	2.5							
Middle						3.2	1	29.1	8.2	20.9	8.1	118.2	2.5	3.5										
							2	29.1	8.2	20.9	8.1	118.0	2.5	3.9										
		Bottom		3.2	1	29.1	8.1	20.7	7.7	112.1	2.1	3.8	7.7	2.4	3.9									
					2	29.1	8.1	20.7	7.7	112.0	2.2	3.1												
TCE-WQM4	Cloudy	Moderate		10:03	3.5	Surface	1.0	1	29.1	8.1	20.7	7.7				112.1	2.1	3.8	7.2					
							2	29.1	8.1	20.7	7.7	112.0				2.2	3.1							
Middle						2.5	1	29.0	8.1	21.2	7.2	105.7	2.7	4.1										
							2	29.1	8.1	21.2	7.2	105.4	2.5	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)					
12-08-20	Mid-Ebb	TCE-C1	Rainy	Moderate	7:18	7.5	Surface	1.0	1	29.1	8.4	15.1	8.9	126.2	3.5	6.8	8.5	6.4	5.3					
									2	29.1	8.4	15.1	8.9	125.9	3.6	6.6								
							Middle	3.8	1	29.0	8.4	17.9	8.1	116.5	4.4	5.1								
									2	28.9	8.4	17.8	8.1	116.2	4.4	4.9								
				Bottom	6.5	1	28.7	8.2	21.2	6.5	93.8	11.1	4.4	6.4										
						2	28.7	8.2	21.2	6.4	93.4	11.3	4.1											
		TCE-C2	Cloudy	Moderate	5:26	13.2	Surface	1.0	1	28.8	8.2	20.0	8.3				120.4	2.1	3.5	8.1	2.7	4.3		
									2	28.8	8.2	20.2	8.3				120.3	2.2	3.8					
							Middle	6.6	1	28.7	8.2	21.0	7.8	113.5	2.3	4.5								
									2	28.7	8.2	21.0	7.8	113.1	2.5	4.0								
				Bottom	12.2	1	28.0	8.0	25.1	6.1	89.4	3.6	5.3	6.1										
						2	28.1	8.0	25.0	6.2	90.5	3.5	4.9											
		TCE-WQM1	Rainy	Moderate	6:38	7.4	Surface	1.0	1	29.5	8.4	20.2	9.7				142.6	5.7	6.7	9.4	8.2	8.1		
									2	29.5	8.4	20.3	9.7				142.4	5.8	6.2					
							Middle	3.7	1	29.5	8.4	20.8	9.1	134.2	6.7	8.5								
									2	29.5	8.3	20.8	9.1	133.7	6.8	8.5								
				Bottom	6.4	1	29.5	8.3	21.1	8.7	127.7	12.3	9.1	8.5										
						2	29.5	8.3	21.1	8.4	123.6	12.2	9.4											
		TCE-WQM2a	Cloudy	Moderate	6:05	7.6	Surface	1.0	1	29.1	8.4	20.1	9.1				132.3	2.5	6.6	8.9	5.4	5.5		
									2	29.1	8.4	20.1	9.1				132.3	2.5	6.4					
							Middle	3.8	1	29.1	8.4	20.4	8.7	127.2	4.7	5.2								
									2	29.0	8.4	20.5	8.7	126.4	5.0	5.4								
				Bottom	6.6	1	28.6	8.1	23.6	6.5	96.4	8.7	4.6	6.6										
						2	28.6	8.1	23.6	6.6	97.5	8.9	4.9											
		TCE-WQM2b	Cloudy	Moderate	5:54	11.3	Surface	1.0	1	29.1	8.4	16.8	8.8				125.5	2.8	8.0	8.1	4.5	6.7		
									2	29.1	8.4	16.8	8.8				125.3	2.9	7.6					
							Middle	5.7	1	29.0	8.2	19.5	7.4	107.3	3.9	6.8								
									2	29.0	8.2	19.5	7.4	106.7	4.2	6.5								
				Bottom	10.3	1	27.1	7.9	27.9	4.7	68.9	6.4	5.4	4.7										
						2	27.3	7.9	27.8	4.7	69.7	6.5	5.8											
		TCE-WQM3A	Rainy	Moderate	6:16	4.2	Surface	1.0	1	29.0	8.2	20.8	7.4				107.7	5.0	4.3	7.4	7.6	5.4		
									2	29.0	8.2	20.9	7.4				107.5	4.9	4.6					
							Bottom	3.2	1	28.8	8.1	21.6	7.0	102.2	10.3	6.0								
									2	28.7	8.1	21.6	7.1	102.8	10.3	6.5								
		TCE-WQM4	Rainy	Moderate	6:26	3.2	Surface	1.0	1	29.3	8.4	19.8	9.4	136.4	3.0	3.3	9.3	6.2	4.8					
									2	29.3	8.4	19.8	9.3	136.0	3.0	3.6								
							Bottom	2.2	1	29.5	8.4	20.4	9.1	133.0	9.3	6.3								
									2	29.5	8.4	20.4	9.1	132.8	9.4	6.0								
		12-08-20	Mid-Flood	TCE-C1	Rainy	Moderate	11:34	7.9	Surface	1.0	1	29.0	8.5	14.3	8.8	124.0	5.6	3.1	8.6	4.9	2.6			
											2	29.0	8.5	14.3	8.8	123.8	5.5	3.0						
									Middle	4.0	1	29.1	8.4	16.4	8.5	120.6	4.8	2.7						
											2	29.1	8.4	16.4	8.4	120.2	4.7	2.4						
						Bottom	6.9	1	28.8	8.2	19.8	7.4	107.1	4.3	2.4	7.4								
								2	28.8	8.2	19.8	7.4	107.3	4.3	2.2									
				TCE-C2	Rainy	Moderate	13:33	12.7	Surface	1.0	1	28.7	8.4	20.4	8.5				122.9	2.1	3.2	6.5	2.8	4.0
											2	28.7	8.4	20.4	8.5				122.5	2.2	3.6			
									Middle	6.4	1	26.5	8.0	28.5	4.5	65.7	2.5	3.7						
											2	26.6	8.0	28.5	4.5	65.9	2.6	4.0						
				Bottom	11.7	1	25.8	7.9	30.2	3.9	57.4	3.8	4.6	4.0										
						2	25.8	7.9	30.2	4.0	57.9	3.6	4.8											
TCE-WQM1	Rainy			Calm	12:15	7.8	Surface	1.0	1	29.4	8.5	19.7	9.6				140.4	3.6	4.2	9.6	8.4	5.9		
									2	29.4	8.5	19.8	9.6				140.5	4.0	4.6					
							Middle	3.9	1	29.4	8.5	20.1	9.6	140.6	7.3	5.6								
									2	29.4	8.5	20.1	9.6	140.6	7.6	5.9								
				Bottom	6.8	1	29.2	8.4	21.0	8.6	126.6	13.7	7.6	8.7										
						2	29.2	8.4	21.0	8.7	126.9	13.9	7.2											
TCE-WQM2a	Rainy			Moderate	12:51	7.3	Surface	1.0	1	29.0	8.5	17.9	9.7				139.5	2.3	4.9	9.5	6.5	5.7		
									2	29.0	8.5	17.9	9.7				139.5	2.3	5.2					
							Middle	3.7	1	29.1	8.4	19.5	9.4	135.5	3.6	5.7								
									2	29.1	8.4	19.5	9.4	135.6	3.5	5.5								
				Bottom	6.3	1	29.1	8.4	20.1	9.0	130.7	13.8	6.4	9.0										
						2	29.1	8.4	20.1	9.0	130.8	13.3	6.7											
TCE-WQM2b	Rainy			Moderate	13:03	11.4	Surface	1.0	1	29.0	8.4	18.7	8.8				127.0	2.9	6.2	8.0	6.6	5.5		
									2	29.0	8.4	18.7	8.8				126.8	2.9	5.9					
							Middle	5.7	1	28.6	8.2	21.1	7.2	104.0	4.5	5.5								
									2	28.6	8.2	21.0	7.2	104.0	4.6	5.2								
				Bottom	10.4	1	27.6	7.9	27.2	5.5	80.7	12.6	5.0	5.4										
						2	27.7	7.9	27.2	5.4	80.6	12.2	5.4											
TCE-WQM3A	Rainy			Calm	12:41	4.3	Surface	1.0	1	29.0	8.4	19.1	8.8				126.4	3.8	6.2	8.7	7.8	6.8		
									2	29.0	8.4	19.1	8.7				125.9	3.9	6.4					
							Bottom	3.3	1	29.0	8.2	21.0	7.3	106.3	11.8	7.0								
									2	29.0	8.2	21.0	7.3	106.2	12.0	7.4								
TCE-WQM4	Rainy			Calm	12:28	3.1	Surface	1.0	1	29.1	8.4	20.2	9.3	135.5	6.7	6.2	9.3	9.0	7.5					
									2	29.1	8.4	20.2	9.3	135.0	6.4	6.7								
							Bottom	2.1	1	29.1	8.4	20.3	9.0	131.0	11.4	8.4								
									2	29.1	8.4	20.3	8.9	130.2	11.5	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)		
14-08-20	Mid-Ebb	TCE-C1	Fine	Moderate	10:16	7.6	Surface	1.0	1	29.7	8.3	16.9	8.3	119.9	2.6	2.6	6.7	6.2	3.3		
									2	29.7	8.3	16.9	8.1	116.1	2.7	2.8					
							Middle	3.8	1	28.5	8.1	21.7	5.3	77.3	6.4	2.7					
									2	28.4	8.1	21.8	5.3	76.4	6.6	3.0					
							Bottom	6.6	1	28.0	7.9	26.0	3.5	51.4	9.6	4.4					
									2	28.0	7.9	26.0	3.5	51.5	9.5	4.0					
		TCE-C2	Fine	Moderate	8:11	12.7	Surface	1.0	1	28.7	8.1	19.2	7.6	108.7	2.1	2.6	6.6	3.2	3.1		
									2	28.7	8.1	19.2	7.6	108.6	2.1	2.4					
							Middle	6.4	1	28.0	7.9	22.7	5.7	82.7	2.7	3.0					
									2	28.0	7.9	22.7	5.7	82.7	2.7	3.2					
							Bottom	11.7	1	27.6	7.9	24.8	5.2	75.6	4.7	3.5					
									2	27.6	7.9	24.8	5.2	75.8	4.7	3.8					
		TCE-WQM1	Fine	Calm	9:28	8.0	Surface	1.0	1	29.6	8.3	18.8	7.2	104.1	3.6	3.5	6.8	7.6	3.9		
									2	29.6	8.2	18.8	7.1	104.0	3.8	3.3					
							Middle	4.0	1	29.1	8.2	19.6	6.4	93.1	7.1	3.8					
									2	29.1	8.2	19.6	6.4	93.2	7.3	3.7					
							Bottom	7.0	1	28.7	8.1	20.8	5.0	72.8	11.9	4.8					
									2	28.7	8.1	20.8	5.0	72.7	11.8	4.4					
		TCE-WQM2a	Fine	Moderate	8:54	6.6	Surface	1.0	1	29.1	8.2	19.6	7.0	102.1	2.9	3.4	6.8	4.5	4.3		
									2	29.1	8.2	19.6	7.0	102.1	2.9	3.7					
							Middle	3.3	1	28.7	8.2	20.3	6.6	95.4	4.1	4.2					
									2	28.7	8.2	20.3	6.6	95.5	4.7	4.4					
							Bottom	5.6	1	28.6	8.2	20.8	6.3	91.7	6.3	4.8					
									2	28.6	8.2	20.8	6.3	91.7	5.9	5.3					
		TCE-WQM2b	Fine	Moderate	8:41	11.0	Surface	1.0	1	29.1	8.3	17.1	8.0	115.1	1.9	4.0	7.0	4.4	3.4		
									2	29.1	8.3	17.1	8.0	115.1	1.9	4.2					
							Middle	5.5	1	28.5	8.1	19.7	6.0	85.8	3.4	3.7					
									2	28.5	8.1	19.7	5.9	85.5	3.5	3.4					
							Bottom	10.0	1	26.9	7.9	27.0	4.2	60.7	7.7	2.6					
									2	26.9	7.9	27.0	4.2	60.8	7.8	2.4					
		TCE-WQM3A	Fine	Calm	9:06	3.7	Surface	1.0	1	28.8	8.2	20.0	6.2	90.1	6.8	6.9	6.2	7.9	7.8		
									2	28.8	8.2	20.0	6.2	89.7	6.8	6.5					
							Bottom	2.7	1	28.7	8.0	21.0	4.3	62.6	8.9	9.0					
									2	28.7	8.0	21.0	4.3	62.6	9.1	8.7					
									1	29.2	8.2	19.6	6.5	95.2	5.3	8.2					
									2	29.2	8.2	19.6	6.5	95.1	5.3	8.0					
		TCE-WQM4	Fine	Calm	9:17	3.1	Surface	1.0	1	29.2	8.2	19.6	6.5	95.2	5.3	8.2	6.5	7.6	7.3		
									2	29.2	8.2	19.6	6.5	95.1	5.3	8.0					
							Bottom	2.1	1	29.0	8.2	19.9	6.1	89.0	9.8	6.7					
									2	29.0	8.2	19.9	6.1	88.8	9.8	6.3					
									1	29.5	8.2	17.0	7.8	112.5	3.5	6.7					
									2	29.4	8.2	17.1	7.8	112.3	3.7	6.4					
		14-08-20	Mid-Flood	TCE-C1	Fine	Moderate	15:08	7.5	Surface	1.0	1	29.5	8.2	17.0	7.8	112.5	3.5	6.7	7.1	6.4	5.0
											2	29.4	8.2	17.1	7.8	112.3	3.7	6.4			
									Middle	3.8	1	28.8	8.1	19.3	6.5	93.4	6.6	4.9			
											2	28.8	8.1	19.3	6.5	93.4	6.8	4.7			
									Bottom	6.5	1	28.7	8.0	19.9	5.7	82.9	8.8	3.9			
											2	28.7	8.0	19.9	5.7	82.7	8.8	3.6			
TCE-C2	Fine			Moderate	17:05	13.2	Surface	1.0	1	29.0	8.3	20.4	7.3	106.5	2.9	2.2	5.3	4.4	2.9		
									2	29.0	8.3	20.4	7.2	104.6	3.1	2.6					
							Middle	6.6	1	25.9	7.9	29.1	3.3	48.1	5.5	3.1					
									2	25.9	7.9	29.1	3.3	48.1	5.5	2.8					
							Bottom	12.2	1	25.0	7.9	30.9	3.1	44.2	4.7	3.2					
									2	25.0	7.9	30.9	3.1	44.3	4.7	3.5					
TCE-WQM1	Fine			Calm	15:49	7.4	Surface	1.0	1	29.5	8.3	19.3	7.9	114.6	8.4	6.6	7.4	10.1	8.9		
									2	29.5	8.3	19.3	7.8	114.4	8.5	6.8					
							Middle	3.7	1	29.4	8.2	19.5	7.0	102.0	9.1	8.8					
									2	29.4	8.2	19.5	7.0	101.7	9.5	8.5					
							Bottom	6.4	1	29.0	8.2	20.3	6.0	87.8	12.7	11.3					
									2	29.0	8.2	20.3	6.1	88.0	12.6	11.6					
TCE-WQM2a	Fine			Moderate	16:25	7.1	Surface	1.0	1	29.5	8.3	19.6	7.6	110.9	3.7	4.8	7.1	9.0	4.0		
									2	29.5	8.3	19.6	7.6	110.9	3.7	4.5					
							Middle	3.6	1	28.8	8.2	20.5	6.6	95.7	10.0	4.1					
									2	28.8	8.2	20.5	6.6	95.7	10.0	3.9					
							Bottom	6.1	1	27.8	8.0	23.8	5.2	75.3	13.3	3.4					
									2	27.8	8.0	23.7	5.2	75.3	13.2	3.2					
TCE-WQM2b	Fine			Moderate	16:37	11.3	Surface	1.0	1	29.3	8.3	19.4	8.6	124.5	1.8	5.0	6.8	5.0	3.3		
									2	29.3	8.3	19.4	8.5	124.2	1.8	4.8					
							Middle	5.7	1	27.8	8.0	23.8	5.1	74.6	6.3	2.7					
									2	27.8	8.0	23.8	5.1	74.6	6.3	2.5					
							Bottom	10.3	1	27.6	8.0	24.7	4.5	65.6	7.2	2.3					
									2	27.6	8.0	24.6	4.5	65.9	7.0	2.2					
TCE-WQM3A	Fine			Calm	16:14	3.7	Surface	1.0	1	29.1	8.3	19.8	7.5	109.5	4.8	7.1	7.5	7.0	7.7		
									2	29.1	8.3	19.8	7.5	109.3	4.9	6.8					
							Bottom	2.7	1	28.9	8.2	20.2	6.1	88.4	9.2	8.4					
									2	28.9	8.2	20.3	6.0	87.5	9.1	8.5					
									1	29.2	8.3	19.7	8.4	122.0	5.6	5.7					
									2	29.2	8.3	19.7	8.4	121.9	5.6	5.4					
TCE-WQM4	Fine			Calm	16:02	3.0	Surface	1.0	1	29.2	8.3	19.7	8.4	122.0	5.6	5.7	8.4	6.4	7.4		
									2	29.2	8.3	19.7	8.4	121.9	5.6	5.4					
							Bottom	2.0	1	29.2	8.3	19.7	8.1	118.4	7.3	9.0					
									2	29.2	8.3	19.7	8.1	118.3	7.2	9.4					

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)					
17-08-20	Mid-Ebb	TCE-C1	Fine	Moderate	10:06	8.3	Surface	1.0	1	29.3	8.1	22.7	6.5	95.5	1.5	7.2	5.5	2.2	6.7					
									2	29.3	8.1	22.7	6.5	95.7	1.5	6.8								
							Middle	4.2	1	28.9	8.0	26.8	4.6	69.5	1.4	6.5								
									2	28.9	8.0	26.8	4.6	69.4	1.4	6.7								
				Bottom	7.3	1	27.6	7.8	31.0	3.2	47.7	3.6	6.5	3.2										
						2	27.6	7.8	31.0	3.2	47.8	3.6	6.6											
		TCE-C2	Rainy	Moderate	12:02	13.4	Surface	1.0	1	29.4	8.2	22.0	7.8				115.1	1.1	4.3	7.5	1.9	4.8		
									2	29.4	8.2	22.0	7.8				114.9	1.1	4.1					
							Middle	6.7	1	28.9	8.2	22.8	7.1	104.9	1.6	4.6								
									2	28.9	8.2	22.8	7.1	104.7	1.6	4.9								
				Bottom	12.4	1	28.5	8.1	23.9	6.8	99.7	2.9	5.5	6.8										
						2	28.5	8.1	23.9	6.8	99.9	2.9	5.2											
		TCE-WQM1	Fine	Calm	10:46	8.5	Surface	1.0	1	29.8	8.1	21.5	6.4				95.2	3.0	5.1	5.3	7.3	6.4		
									2	29.8	8.1	21.5	6.4				95.2	3.0	5.5					
							Middle	4.3	1	28.9	7.9	25.1	4.2	62.6	7.9	6.9								
									2	28.9	7.9	25.1	4.2	62.6	7.9	6.7								
				Bottom	7.5	1	28.7	7.9	26.2	4.3	64.0	10.9	7.3	4.3										
						2	28.7	7.9	26.2	4.3	64.1	11.0	7.0											
		TCE-WQM2a	Cloudy	Moderate	11:25	7.6	Surface	1.0	1	29.9	8.1	21.7	6.6				97.9	4.2	5.9	6.1	6.7	8.2		
									2	29.9	8.1	21.7	6.6				97.9	4.2	5.9					
							Middle	3.8	1	28.7	8.0	24.4	5.6	82.9	6.4	8.1								
									2	28.7	8.0	24.4	5.6	82.8	6.4	7.7								
				Bottom	6.6	1	28.3	8.0	25.4	5.4	80.4	9.6	10.5	5.4										
						2	28.3	8.0	25.4	5.5	80.5	9.6	10.9											
		TCE-WQM2b	Cloudy	Moderate	11:38	12.7	Surface	1.0	1	30.0	8.3	20.4	7.5				111.5	1.8	7.8	6.2	5.3	6.5		
									2	30.0	8.3	20.4	7.5				110.7	1.9	7.5					
							Middle	6.4	1	28.5	7.9	24.7	4.9	72.2	4.4	6.1								
									2	28.5	7.9	24.7	4.9	72.3	4.5	6.4								
				Bottom	11.7	1	28.4	7.9	24.9	5.0	74.0	9.6	5.8	5.0										
						2	28.4	7.9	24.8	5.0	74.2	9.5	5.4											
		TCE-WQM3A	Fine	Calm	11:14	4.3	Surface	1.0	1	28.9	8.0	22.4	5.4				79.9	9.7	13.0	5.4	10.4	14.7		
									2	28.9	8.0	22.4	5.4				79.8	9.7	13.4					
							Bottom	3.3	1	28.2	7.9	25.2	5.1	74.9	11.2	15.8								
									2	28.2	7.9	25.2	5.1	75.2	11.1	16.4								
		TCE-WQM4	Cloudy	Calm	11:02	3.4	Surface	1.0	1	30.1	8.2	20.4	7.3	107.9	1.7	5.2	7.3	2.0	4.9					
									2	30.1	8.2	20.4	7.3	107.6	1.7	5.5								
							Bottom	2.4	1	29.9	8.1	21.2	7.0	103.9	2.3	4.1								
									2	29.9	8.1	21.2	7.0	104.0	2.3	4.6								
		17-08-20	Mid-Flood	TCE-C1	Cloudy	Moderate	5:51	8.4	Surface	1.0	1	29.3	8.1	22.3	5.4	79.5	1.0	3.6	4.7	2.0	4.4			
											2	29.3	8.1	22.3	5.4	79.5	1.0	3.6						
									Middle	4.2	1	28.7	8.0	27.1	4.0	59.7	1.8	4.3						
											2	28.7	8.0	27.1	4.0	59.4	1.8	4.0						
						Bottom	7.4	1	27.4	7.8	31.7	3.7	55.3	3.3	5.2	3.7								
								2	27.4	7.8	31.7	3.7	55.8	3.3	5.5									
				TCE-C2	Cloudy	Moderate	3:44	13.8	Surface	1.0	1	28.1	8.0	25.0	4.6				67.9	2.2	5.3	3.9	4.0	4.2
											2	28.1	8.0	25.0	4.6				67.2	2.2	5.0			
									Middle	6.9	1	25.5	7.8	31.9	3.2	46.4	3.6	4.2						
											2	25.5	7.8	31.9	3.2	46.3	3.5	3.9						
				Bottom	12.8	1	24.8	7.8	33.5	3.0	44.3	6.3	3.4	3.0										
						2	24.7	7.8	33.5	3.1	44.5	6.3	3.1											
TCE-WQM1	Cloudy			Calm	5:06	8.8	Surface	1.0	1	29.7	8.1	21.3	6.1				90.6	3.5	6.6	5.3	6.2	6.3		
									2	29.7	8.1	21.3	6.1				90.4	3.5	6.9					
							Middle	4.4	1	29.2	7.9	24.2	4.4	65.7	6.7	6.5								
									2	29.2	7.9	24.2	4.4	65.7	6.7	6.3								
				Bottom	7.8	1	28.7	7.8	26.8	3.7	55.7	8.2	5.6	3.7										
						2	28.7	7.8	26.8	3.7	55.7	8.3	5.9											
TCE-WQM2a	Cloudy			Moderate	4:27	7.9	Surface	1.0	1	28.8	8.1	21.2	6.0				87.5	1.9	3.5	5.7	3.1	4.5		
									2	28.8	8.1	21.2	6.0				87.5	1.9	3.9					
							Middle	4.0	1	28.1	8.0	25.3	5.4	79.0	2.6	4.2								
									2	28.1	8.0	25.3	5.4	78.8	2.6	4.6								
				Bottom	6.9	1	26.9	7.9	29.3	5.1	75.8	4.7	5.2	5.2										
						2	26.9	7.9	29.3	5.2	76.2	4.7	5.4											
TCE-WQM2b	Cloudy			Moderate	4:14	12.5	Surface	1.0	1	28.8	8.1	21.5	6.2				90.2	1.9	3.4	5.2	5.2	5.1		
									2	28.8	8.1	21.5	6.1				89.6	1.9	3.3					
							Middle	6.3	1	27.1	7.9	28.4	4.2	61.9	5.7	4.8								
									2	27.1	7.9	28.4	4.2	61.9	5.7	5.2								
				Bottom	11.5	1	25.4	7.8	32.1	3.4	49.5	8.0	6.9	3.4										
						2	25.4	7.8	32.1	3.4	49.6	8.0	6.7											
TCE-WQM3A	Cloudy			Calm	4:42	4.4	Surface	1.0	1	28.8	8.0	22.9	5.7				83.3	4.0	7.4	5.7	6.7	6.3		
									2	28.8	8.0	22.9	5.7				83.3	4.0	7.1					
							Bottom	3.4	1	28.5	7.9	24.3	5.3	78.3	9.4	5.5								
									2	28.5	7.9	24.3	5.3	78.4	9.3	5.3								
TCE-WQM4	Cloudy			Calm	4:54	3.6	Surface	1.0	1	29.8	8.1	20.7	6.7	99.0	2.0	6.2	6.7	2.1	6.4					
									2	29.8	8.1	20.7	6.7	99.0	2.0	6.0								
							Bottom	2.6	1	29.4	8.1	20.6	6.8	99.2	2.2	6.6								
									2	29.4	8.1	20.6	6.8	99.3	2.2	6.9								

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)			
21-08-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:58	8.8	Surface	1.0	1	28.2	8.0	23.3	5.5	79.7	3.3	6.4	5.2	5.9	5.9			
									2	28.2	8.0	23.3	5.5	79.7	3.3	6.3						
							Middle	4.4	1	27.3	8.0	27.4	4.9	72.1	5.9	6.0						
									2	27.3	8.0	27.4	4.9	72.1	5.9	6.0						
							Bottom	7.8	1	27.1	8.0	28.3	4.9	72.5	8.4	5.5						
									2	27.1	8.0	28.3	4.9	72.5	8.4	5.2						
		TCE-C2	Cloudy	Moderate	14:53	13.8	Surface	1.0	1	27.9	7.9	23.7	5.0	73.0	6.1	9.3	5.0	8.5	9.6			
									2	27.9	7.9	23.7	5.0	73.0	6.2	9.1						
							Middle	6.9	1	27.8	7.9	23.8	4.9	71.6	8.2	9.6						
									2	27.8	7.9	23.8	4.9	71.5	8.4	9.4						
							Bottom	12.8	1	26.5	8.0	27.1	4.5	65.2	10.9	9.8						
									2	26.5	8.0	27.1	4.5	65.3	11.0	10.2						
		TCE-WQM1	Cloudy	Calm	13:46	8.6	Surface	1.0	1	28.0	7.9	24.3	5.1	73.8	9.4	12.3	5.1	10.0	13.3			
									2	28.0	7.9	24.3	5.1	73.7	9.6	12.4						
							Middle	4.3	1	28.0	7.9	24.3	5.1	73.9	10.1	13.7						
									2	28.0	7.9	24.3	5.1	73.9	10.1	13.4						
							Bottom	7.6	1	28.0	8.0	24.3	5.1	74.5	10.5	14.1						
									2	28.0	8.0	24.3	5.1	74.6	10.5	13.8						
		TCE-WQM2a	Cloudy	Moderate	14:19	7.9	Surface	1.0	1	27.6	7.9	24.3	4.8	68.9	6.8	8.7	4.7	7.4	9.6			
									2	27.6	7.9	24.3	4.8	68.9	6.8	8.6						
							Middle	4.0	1	27.4	7.9	24.5	4.7	67.4	8.4	9.6						
									2	27.4	7.9	24.5	4.7	67.4	8.4	9.2						
							Bottom	6.9	1	27.2	7.9	25.0	4.7	68.5	7.0	10.4						
									2	27.2	7.9	25.0	4.7	68.6	6.9	11.0						
		TCE-WQM2b	Cloudy	Moderate	14:32	12.1	Surface	1.0	1	28.4	7.9	22.9	5.3	76.7	3.7	5.3	5.1	6.1	6.5			
									2	28.4	7.9	22.9	5.2	76.7	3.7	5.8						
							Middle	6.1	1	27.7	7.9	24.2	5.0	72.0	5.3	6.5						
									2	27.7	7.9	24.2	5.0	72.0	5.5	6.9						
							Bottom	11.1	1	27.6	8.0	24.4	5.0	71.9	9.2	7.5						
									2	27.6	8.0	24.4	5.0	72.0	9.3	7.1						
		TCE-WQM3A	Cloudy	Calm	14:08	4.5	Surface	1.0	1	27.8	7.9	23.1	5.0	71.6	7.4	12.9	5.0	8.7	13.7			
									2	27.8	7.9	23.1	5.0	71.6	7.3	13.2						
							Bottom	3.5	1	27.7	7.9	23.3	4.9	70.3	10.2	14.0						
									2	27.7	7.9	23.3	4.9	70.5	10.0	14.5						
							Surface	1.0	1	28.3	7.9	24.0	5.2	75.5	5.7	7.7				5.2	7.4	8.6
									2	28.3	7.9	24.0	5.2	75.5	5.7	7.6						
		Bottom	2.7	1	28.0	7.9	24.1	5.0	73.1	8.9	9.8											
				2	28.0	7.9	24.1	5.0	73.1	9.1	9.4											
		Surface	1.0	1	27.7	8.0	25.0	5.1	75.0	5.0	6.1	5.1	6.2	5.3								
				2	27.7	8.0	25.0	5.1	75.0	5.0	6.1											
		Middle	4.4	1	27.2	8.0	27.5	5.0	73.7	5.7	5.2											
				2	27.2	8.0	27.5	5.0	73.6	5.7	5.4											
		Bottom	7.7	1	27.1	8.1	28.4	5.0	73.4	7.9	4.0											
				2	27.1	8.1	28.4	5.0	73.4	7.9	4.4											
		TCE-C2	Cloudy	Moderate	7:13	13.5	Surface	1.0	1	26.6	7.9	26.9	4.5	65.2	5.2	4.6	4.4	6.2	6.1			
									2	26.6	7.9	26.9	4.5	65.2	5.2	5.0						
							Middle	6.8	1	26.1	7.9	28.2	4.4	63.4	5.5	6.3						
									2	26.1	7.9	28.2	4.4	63.4	5.4	6.4						
Bottom	12.5						1	26.1	7.9	28.5	4.4	63.3	7.9	7.1								
							2	26.1	7.9	28.5	4.4	63.3	7.8	7.4								
TCE-WQM1	Cloudy	Calm	8:30	9.0	Surface	1.0	1	27.8	7.9	24.1	5.0	73.0	4.6	3.7	5.0	6.7	5.2					
							2	27.8	7.9	24.1	5.0	73.0	4.7	4.1								
					Middle	4.5	1	27.8	7.9	24.1	5.0	72.9	5.9	4.9								
							2	27.8	7.9	24.1	5.0	72.9	5.8	5.3								
					Bottom	8.0	1	27.8	7.9	24.1	5.0	73.3	9.7	6.3								
							2	27.8	7.9	24.1	5.0	73.3	9.6	6.6								
TCE-WQM2a	Cloudy	Moderate	7:55	7.8	Surface	1.0	1	27.5	7.9	23.8	4.9	70.5	5.6	5.6	4.7	6.8	6.4					
							2	27.5	7.9	23.8	4.9	70.5	5.6	5.3								
					Middle	3.9	1	27.0	7.9	25.2	4.6	66.4	6.0	6.4								
							2	27.0	7.9	25.2	4.6	66.4	6.1	6.8								
					Bottom	6.8	1	26.6	7.9	26.4	4.5	64.9	8.8	7.0								
							2	26.6	7.9	26.4	4.5	64.9	8.8	7.3								
TCE-WQM2b	Cloudy	Moderate	7:42	12.6	Surface	1.0	1	27.8	7.9	23.8	4.9	71.4	4.3	7.6	4.7	6.5	7.1					
							2	27.8	7.9	23.8	4.9	71.3	4.5	7.7								
					Middle	6.3	1	26.3	7.9	27.5	4.4	63.9	6.7	7.4								
							2	26.3	7.9	27.5	4.4	63.9	6.7	7.0								
					Bottom	11.6	1	26.1	8.0	28.3	4.5	65.5	8.3	6.7								
							2	26.1	8.0	28.3	4.5	65.6	8.5	6.4								
TCE-WQM3A	Cloudy	Calm	8:07	4.3	Surface	1.0	1	28.0	7.9	23.1	5.2	76.1	3.6	7.2	5.2	4.0	8.1					
							2	28.0	7.9	23.1	5.2	76.1	3.6	6.8								
					Bottom	3.3	1	27.9	7.9	23.2	5.2	75.4	4.4	9.1								
							2	27.9	7.9	23.2	5.2	75.4	4.4	9.4								
					Surface	1.0	1	27.9	7.9	23.9	5.1	73.8	6.7	6.3				5.1	6.6	7.5		
							2	27.9	7.9	23.9	5.1	73.8	6.7	6.7								
Bottom	2.7	1	27.8	8.0	23.9	5.2	75.1	6.5	8.3													
		2	27.8	8.0	23.9	5.2	75.3	6.5	8.7													

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)										
24-08-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	5:16	7.4	Surface	1.0	1	28.5	8.0	22.4	5.1	75.0	6.3	6.1	5.1	7.4	8.0										
									2	28.4	8.0	22.4	5.1	75.0	6.2	5.8													
							Middle	3.7	1	28.3	8.0	23.9	5.1	74.3	6.9	8.3													
									2	28.3	8.0	23.9	5.1	74.4	6.9	8.1													
							Bottom	6.4	1	28.0	8.0	25.7	5.1	75.4	8.9	9.6													
									2	28.0	8.0	25.8	5.1	75.5	9.2	9.9													
		TCE-C2	Cloudy	Moderate	2:55	13.4	Surface	1.0	1	28.7	7.8	21.7	5.1	74.5	3.6	7.6	5.0	5.6	5.8										
									2	28.7	7.8	21.7	5.1	74.5	3.6	7.1													
							Middle	6.7	1	28.6	7.8	22.3	5.0	72.6	5.5	5.6													
									2	28.6	7.8	22.3	5.0	72.6	5.5	5.2													
							Bottom	12.4	1	27.6	7.8	26.1	4.6	67.5	7.6	4.4													
									2	27.6	7.8	26.1	4.6	67.5	7.8	4.8													
		TCE-WQM1	Cloudy	Calm	4:24	7.7	Surface	1.0	1	28.7	8.0	22.4	5.3	77.2	4.1	5.4	5.2	6.5	6.2										
									2	28.7	8.0	22.5	5.3	77.1	4.1	5.1													
							Middle	3.9	1	28.7	7.9	22.6	5.2	75.5	6.1	5.8													
									2	28.7	7.9	22.6	5.2	75.5	6.0	6.2													
							Bottom	6.7	1	28.8	7.9	22.8	5.0	73.6	9.3	7.3													
									2	28.8	7.9	22.8	5.0	73.6	9.4	7.5													
		TCE-WQM2a	Cloudy	Moderate	3:47	7.1	Surface	1.0	1	28.7	7.9	23.0	5.1	74.2	3.9	7.0	5.0	4.8	6.3										
									2	28.7	7.9	23.0	5.1	74.2	3.9	6.9													
							Middle	3.6	1	28.5	7.9	23.5	4.9	71.8	4.6	6.5													
									2	28.5	7.9	23.5	4.9	71.8	4.6	6.1													
							Bottom	6.1	1	28.3	7.9	24.1	4.8	70.0	6.0	5.9													
									2	28.3	7.9	24.1	4.8	70.1	5.8	5.6													
		TCE-WQM2b	Cloudy	Moderate	3:34	11.3	Surface	1.0	1	28.5	7.9	21.5	5.2	75.9	7.0	4.2	5.2	10.2	5.3										
									2	28.5	7.9	21.5	5.2	75.8	7.0	4.0													
							Middle	5.7	1	28.5	7.9	22.0	5.1	74.3	10.9	5.1													
									2	28.5	7.9	22.0	5.1	74.3	10.9	5.5													
							Bottom	10.3	1	28.5	7.9	22.0	5.1	74.4	12.8	6.6													
									2	28.5	7.9	22.0	5.1	74.4	12.7	6.4													
		TCE-WQM3A	Cloudy	Calm	4:00	3.9	Surface	1.0	1	28.6	7.9	22.8	5.0	72.9	11.2	7.7	5.0	12.2	8.9										
									2	28.6	7.9	22.8	5.0	73.0	11.2	7.5													
							Bottom	2.9	1	28.6	7.9	23.4	4.9	71.9	13.3	10.0													
									2	28.6	7.9	23.4	4.9	71.9	13.2	10.5													
							TCE-WQM4	Cloudy	Calm	4:12	3.2	Surface	1.0	1	28.8	7.9				22.9	4.9	72.2	10.1	10.4	4.9	11.8	10.0		
														2	28.8	7.9				22.9	4.9	72.3	10.0	10.8					
		Bottom	2.2	1	28.8	7.9						22.9	5.0	73.0	13.6	9.6													
				2	28.8	7.9						22.9	5.0	73.1	13.8	9.3													
		24-08-20	Mid-Flood	TCE-C1	Sunny	Moderate						9:00	8.0	Surface	1.0	1	28.7	8.0	21.3	5.3	77.2	4.8	6.9	5.3				6.4	8.8
																2	28.7	8.0	21.3	5.3	77.1	4.9	7.2						
							Middle	4.0	1	28.4	8.0			22.4	5.2	76.4	4.9	9.0											
									2	28.4	8.0			22.4	5.2	76.4	4.9	8.8											
							Bottom	7.0	1	28.3	8.0			22.9	5.2	76.2	9.2	10.3											
									2	28.3	8.0			22.9	5.2	76.2	9.5	10.5											
				TCE-C2	Sunny	Moderate	11:23	13.0	Surface	1.0	1	28.5	8.0	23.3	5.2	75.6	2.0	7.4	4.9	3.7	6.0								
											2	28.5	8.0	23.3	5.2	75.6	2.0	6.9											
									Middle	6.5	1	27.5	8.0	27.0	4.6	68.2	3.5	6.1											
											2	27.5	8.0	27.0	4.6	68.2	3.5	6.4											
Bottom	12.0								1	27.2	8.0	28.0	4.6	68.2	5.6	4.5													
									2	27.2	8.0	28.0	4.6	68.2	5.6	4.8													
TCE-WQM1	Sunny			Calm	9:57	8.1	Surface	1.0	1	28.8	7.9	22.6	4.9	72.4	6.8	10.2	5.1	8.0	8.4										
									2	28.8	7.9	22.6	4.9	72.6	6.9	10.6													
							Middle	4.1	1	28.8	7.9	22.8	5.2	76.4	7.0	8.5													
									2	28.8	7.9	22.8	5.2	76.5	7.0	8.2													
							Bottom	7.1	1	28.8	8.0	23.0	5.3	77.5	10.1	6.3													
									2	28.8	8.0	23.0	5.3	77.5	10.2	6.7													
TCE-WQM2a	Sunny			Moderate	10:37	7.2	Surface	1.0	1	28.7	7.9	22.2	5.1	74.7	5.0	7.0	5.0	7.4	8.2										
									2	28.7	7.9	22.2	5.1	74.7	5.0	7.4													
							Middle	3.6	1	28.6	7.9	22.6	4.9	71.4	7.3	8.5													
									2	28.6	7.9	22.6	4.9	71.3	7.0	8.2													
							Bottom	6.2	1	28.2	7.9	23.9	4.7	68.3	10.0	9.0													
									2	28.2	7.9	23.9	4.7	68.4	10.1	9.3													
TCE-WQM2b	Sunny			Moderate	10:49	11.4	Surface	1.0	1	28.7	7.9	22.4	5.1	74.8	3.5	5.5	5.0	5.9	6.6										
									2	28.7	7.9	22.4	5.1	74.8	3.5	5.8													
							Middle	5.7	1	28.4	7.9	23.1	4.9	71.4	5.7	6.2													
									2	28.4	7.9	23.1	4.9	71.4	5.4	6.1													
							Bottom	10.4	1	28.3	7.9	23.5	4.8	70.2	8.5	7.8													
									2	28.3	7.9	23.5	4.8	70.2	8.6	8.2													
TCE-WQM3A	Sunny			Calm	10:25	4.1	Surface	1.0	1	28.9	8.0	22.0	5.3	78.1	5.2	7.9	5.3	5.3	9.1										
									2	28.9	8.0	22.0	5.3	78.2	5.3	7.6													
							Bottom	3.1	1	28.8	8.0	22.1	5.4	78.8	5.3	10.3													
									2	28.8	8.0	22.1	5.4	78.9	5.2	10.6													
							TCE-WQM4	Sunny	Calm	10:13	3.3	Surface	1.0	1	28.8	7.9				22.3	5.2	75.5	7.0	17.2	5.2	9.3	16.2		
														2	28.8	7.9				22.3	5.2	75.5	7.1	17.5					
Bottom	2.3			1	28.6	7.9						22.4	5.1	74.8	11.7	15.0													
				2	28.6	7.9						22.4	5.1	74.9	11.6	15.2													

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)										
26-08-20	Mid-Ebb	TCE-C1	Fine	Moderate	8:10	8.2	Surface	1.0	1	29.2	8.0	18.9	6.0	86.1	7.9	3.7	5.8	9.2	4.5										
									2	29.2	8.0	18.9	5.9	85.8	8.1	3.7													
							Middle	4.1	1	28.9	8.0	20.6	5.7	83.4	9.3	4.4													
									2	28.9	8.0	20.6	5.7	83.4	9.4	4.7													
							Bottom	7.2	1	28.5	8.1	22.5	5.6	81.8	10.4	5.2													
									2	28.5	8.1	22.5	5.6	82.0	10.4	5.5													
		TCE-C2	Fine	Moderate	5:58	13.3	Surface	1.0	1	29.3	7.9	19.0	6.0	87.4	1.8	0.9	5.9	2.9	2.2										
									2	29.3	7.9	19.0	6.0	87.3	1.8	1.0													
							Middle	6.7	1	29.0	7.9	20.2	5.8	83.6	2.7	2.1													
									2	29.0	7.9	20.2	5.8	83.6	2.7	2.3													
							Bottom	12.3	1	28.3	7.8	24.3	5.2	76.0	4.2	3.5													
									2	28.3	7.8	24.3	5.2	76.6	4.3	3.3													
		TCE-WQM1	Fine	Moderate	7:15	8.0	Surface	1.0	1	29.5	8.0	20.8	6.0	88.6	3.5	4.8	5.8	5.5	4.4										
									2	29.5	8.0	20.8	6.0	88.6	3.4	4.8													
							Middle	4.0	1	29.3	8.0	21.3	5.5	80.8	5.4	4.4													
									2	29.3	8.0	21.3	5.5	80.7	5.5	4.2													
							Bottom	7.0	1	29.2	8.0	21.5	5.4	79.9	7.9	4.0													
									2	29.2	8.0	21.5	5.5	80.7	7.7	4.1													
		TCE-WQM2a	Fine	Moderate	6:39	7.4	Surface	1.0	1	29.2	8.0	21.3	5.7	83.6	6.9	8.8	5.6	8.4	8.1										
									2	29.2	8.0	21.3	5.7	83.6	6.9	9.0													
							Middle	3.7	1	29.2	8.0	21.4	5.6	82.3	7.9	7.9													
									2	29.1	8.0	21.5	5.6	82.2	7.9	7.8													
							Bottom	6.4	1	28.8	8.0	22.7	5.1	74.7	10.3	7.7													
									2	28.9	8.0	22.6	5.1	75.1	10.5	7.6													
		TCE-WQM2b	Fine	Moderate	6:27	10.6	Surface	1.0	1	29.2	8.0	18.4	5.9	85.5	4.3	3.5	5.9	6.0	5.8										
									2	29.2	8.0	18.5	5.9	85.4	4.3	3.2													
							Middle	5.3	1	29.2	8.0	18.7	5.8	84.3	5.7	6.3													
									2	29.1	8.0	18.7	5.8	84.2	5.5	6.4													
							Bottom	9.6	1	28.5	8.0	22.6	5.3	76.8	8.2	7.7													
									2	28.5	8.0	22.7	5.3	76.9	8.2	7.4													
		TCE-WQM3A	Fine	Moderate	6:52	4.0	Surface	1.0	1	29.1	8.0	21.0	5.6	82.2	5.6	8.3	5.6	6.5	7.9										
									2	29.1	8.0	21.1	5.6	82.1	5.7	8.9													
							Bottom	3.0	1	29.1	8.0	21.5	5.7	83.6	7.7	7.2													
									2	29.0	8.0	21.5	5.7	84.0	7.1	7.1													
							TCE-WQM4	Fine	Moderate	7:00	3.7	Surface	1.0	1	29.2	8.0				21.4	5.8	84.9	4.0	8.9	5.8	7.0	7.8		
														2	29.2	8.0				21.4	5.8	85.3	4.2	8.4					
		Bottom	2.7	1	29.2	8.0						21.5	5.9	86.4	9.9	6.8													
				2	29.1	8.0						21.5	5.9	86.9	10.0	7.1													
		26-08-20	Mid-Flood	TCE-C1	Sunny	Moderate						11:55	7.8	Surface	1.0	1	29.4	8.0	18.5	6.2	90.1	5.4	5.6	6.0				8.4	5.6
																2	29.3	8.0	18.5	6.2	90.0	5.5	5.5						
							Middle	3.9	1	28.9	8.0			20.3	5.7	83.0	7.7	5.6											
									2	28.8	8.0			20.4	5.7	82.7	8.4	5.6											
							Bottom	6.8	1	28.7	7.9			22.4	5.4	79.4	12.0	5.6											
									2	28.7	7.9			22.4	5.4	79.7	11.5	5.5											
				TCE-C2	Sunny	Moderate	14:08	13.2	Surface	1.0	1	29.0	8.0	22.0	5.7	83.3	2.1	4.0	5.2	5.8	5.0								
											2	29.0	8.0	21.9	5.6	82.8	2.1	3.8											
									Middle	6.6	1	27.7	8.0	27.2	4.7	69.2	6.1	4.6											
											2	27.7	8.0	27.3	4.7	69.2	6.2	4.7											
Bottom	12.2								1	27.2	8.0	29.3	4.8	71.5	9.4	6.4													
									2	27.2	8.0	29.2	4.9	71.9	9.3	6.3													
TCE-WQM1	Sunny			Moderate	12:33	8.2	Surface	1.0	1	29.7	8.0	20.9	6.1	90.6	6.3	6.9	6.1	8.0	5.6										
									2	29.7	8.0	20.9	6.1	90.4	6.7	7.2													
							Middle	4.1	1	29.6	8.0	21.0	6.1	89.6	9.0	6.0													
									2	29.6	8.0	21.1	6.1	89.4	9.2	5.8													
							Bottom	7.2	1	29.4	8.0	21.4	5.7	84.5	8.5	4.0													
									2	29.4	8.0	21.4	5.8	84.8	8.5	3.9													
TCE-WQM2a	Sunny			Moderate	13:26	7.2	Surface	1.0	1	29.5	8.0	19.9	6.3	92.3	3.5	6.1	6.2	7.4	5.3										
									2	29.5	8.0	19.9	6.3	92.3	3.5	6.1													
							Middle	3.6	1	29.3	8.0	20.5	6.1	89.4	5.1	5.1													
									2	29.3	8.0	20.5	6.1	89.3	5.1	5.1													
							Bottom	6.2	1	28.7	8.0	22.6	5.2	76.3	13.5	4.3													
									2	28.8	8.0	22.4	5.2	76.6	13.8	4.8													
TCE-WQM2b	Sunny			Moderate	13:39	11.3	Surface	1.0	1	29.6	8.0	20.2	6.0	88.4	6.2	3.2	5.8	6.6	2.7										
									2	29.6	8.0	20.2	6.0	88.4	6.3	3.0													
							Middle	5.7	1	28.9	8.0	21.6	5.6	81.2	3.9	2.6													
									2	28.9	8.0	21.6	5.6	81.2	3.7	2.7													
							Bottom	10.3	1	27.9	8.0	26.0	4.9	72.0	9.9	2.2													
									2	27.9	8.0	26.0	4.9	72.6	9.9	2.4													
TCE-WQM3A	Sunny			Moderate	13:15	4.3	Surface	1.0	1	29.7	8.1	20.1	6.4	94.1	4.4	4.1	6.4	5.6	4.9										
									2	29.7	8.1	20.2	6.4	94.0	5.1	3.9													
							Bottom	3.3	1	29.6	8.1	20.6	6.5	95.1	6.5	6.0													
									2	29.6	8.1	20.6	6.5	95.6	6.3	5.6													
							TCE-WQM4	Sunny	Moderate	13:03	3.7	Surface	1.0	1	29.4	8.0				20.4	6.2	90.3	5.3	8.7	6.2	7.0	9.4		
														2	29.4	8.0				20.4	6.2	90.3	5.2	9.1					
Bottom	2.7			1	29.4	8.0						20.7	6.2	90.9	8.7	9.7													
				2	29.4	8.0						20.7	6.2	91.4	8.7	10.1													





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)								
31-08-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:15	8.5	Surface	1.0	1	28.1	8.2	26.1	6.4	94.0	2.7	5.1	5.5	4.6	4.5								
									2	28.0	8.2	26.1	6.3	93.7	2.8	5.3											
							Middle	4.3	1	27.1	8.0	29.4	4.6	67.8	4.5	4.4											
									2	27.1	8.0	29.5	4.6	67.6	4.7	4.5											
							Bottom	7.5	1	26.8	8.0	30.6	4.2	62.7	6.5	4.0											
									2	26.8	8.0	30.6	4.2	62.7	6.4	3.9											
		TCE-C2	Cloudy	Moderate	12:06	13.3	Surface	1.0	1	28.8	8.0	24.2	5.9	86.8	1.6	3.7	5.5	3.1	3.3								
									2	28.7	8.0	24.2	5.9	86.7	1.8	4.1											
							Middle	6.7	1	28.1	8.0	25.8	5.2	76.6	2.7	3.1											
									2	28.1	8.0	25.7	5.2	76.6	2.7	3.3											
							Bottom	12.3	1	26.7	8.0	29.9	4.1	61.2	5.0	2.7											
									2	26.7	8.0	29.9	4.2	61.2	5.0	3.0											
		TCE-WQM1	Cloudy	Calm	10:59	8.6	Surface	1.0	1	28.7	8.1	23.9	5.7	83.8	4.2	5.6	5.2	7.2	5.1								
									2	28.6	8.1	24.0	5.7	83.6	4.4	5.2											
							Middle	4.3	1	27.9	8.0	27.0	4.8	70.3	7.0	5.4											
									2	27.8	8.0	27.0	4.8	70.3	7.1	5.2											
							Bottom	7.6	1	27.8	8.1	27.2	4.9	72.1	10.3	4.6											
									2	27.8	8.1	27.2	4.9	72.4	10.2	4.8											
		TCE-WQM2a	Fine	Calm	11:32	7.4	Surface	1.0	1	28.6	8.0	24.7	5.3	78.4	6.1	6.4	5.2	7.0	7.6								
									2	28.6	8.0	24.7	5.3	78.4	6.1	6.2											
							Middle	3.7	1	28.3	8.0	25.1	5.0	74.2	6.7	7.1											
									2	28.3	8.0	25.1	5.0	74.0	6.7	7.4											
							Bottom	6.4	1	27.2	8.0	28.3	4.6	68.1	8.1	9.1											
									2	27.2	8.0	28.3	4.6	68.2	8.2	9.2											
		TCE-WQM2b	Fine	Moderate	11:45	12.5	Surface	1.0	1	29.1	8.0	23.2	5.6	82.9	1.8	2.7	5.3	3.8	3.3								
									2	29.1	8.0	23.3	5.6	82.9	1.9	3.0											
							Middle	6.3	1	28.3	8.0	24.7	5.1	74.7	3.7	3.1											
									2	28.3	8.0	24.7	5.1	74.7	3.8	3.4											
							Bottom	11.5	1	28.3	8.0	24.9	5.0	74.3	5.9	3.9											
									2	28.3	8.0	24.9	5.0	74.3	5.9	3.6											
		TCE-WQM3A	Fine	Calm	11:21	4.1	Surface	1.0	1	28.4	8.0	24.5	4.8	70.5	9.5	12.1	4.8	11.0	12.6								
									2	28.4	8.0	24.5	4.8	70.3	9.6	11.8											
							Bottom	3.1	1	28.0	8.0	25.9	4.7	68.7	12.4	13.0											
									2	28.0	8.0	25.9	4.7	68.8	12.5	13.5											
							TCE-WQM4	Cloudy	Calm	11:11	3.7	Surface	1.0	1	29.2	8.1				23.1	6.4	95.4	3.9	2.4	6.4	5.4	3.4
													2	29.2	8.1	23.1				6.4	95.4	4.0	2.7				
		Bottom	2.7	1	28.8	8.0	24.0					5.5	81.8	6.9	4.3												
				2	28.8	8.0	24.0					5.5	82.0	6.8	4.1												
		TCE-C1	Cloudy	Moderate	5:42	8.3	Surface					1.0	1	28.0	8.2	25.3	6.3	92.0	2.7	2.6	5.2	5.0	3.4				
												2	28.0	8.2	25.4	6.3	91.9	2.8	2.7								
		Middle					4.2	1	26.8	8.0	30.5	4.2	62.7	4.3	3.4												
								2	26.8	8.0	30.6	4.2	62.6	4.4	3.1												
		Bottom					7.3	1	26.6	8.0	31.2	4.2	62.5	7.9	4.2												
								2	26.6	8.0	31.2	4.2	62.8	8.1	4.1												
		TCE-C2	Cloudy	Moderate	3:40	13.5	Surface	1.0	1	27.8	7.9	26.0	5.0	73.6	1.9	3.1	4.6	3.6	3.7								
									2	27.8	7.9	26.0	5.0	73.4	1.9	2.9											
							Middle	6.8	1	26.7	7.9	29.7	4.3	63.3	3.5	3.4											
									2	26.7	7.9	29.7	4.3	63.3	3.4	3.6											
Bottom	12.5						1	26.0	7.8	31.4	4.0	58.5	5.5	4.6													
							2	26.0	7.8	31.4	4.0	58.5	5.4	4.3													
TCE-WQM1	Cloudy	Calm	4:58	8.8	Surface	1.0	1	28.8	8.0	23.7	5.3	78.5	5.3	9.8	4.9	7.5	8.4										
							2	28.8	8.0	23.7	5.3	78.2	5.3	9.5													
					Middle	4.4	1	28.1	8.0	25.8	4.5	66.5	7.4	8.5													
							2	28.1	8.0	25.8	4.5	66.5	7.5	8.3													
					Bottom	7.8	1	28.1	8.0	25.9	4.5	66.7	9.8	7.2													
							2	28.1	8.0	25.9	4.5	66.8	9.7	6.9													
TCE-WQM2a	Cloudy	Moderate	4:22	7.9	Surface	1.0	1	28.5	8.0	23.7	5.4	79.0	2.6	2.2	5.1	3.5	3.2										
							2	28.5	8.0	23.7	5.4	79.0	2.6	2.6													
					Middle	4.0	1	27.9	8.0	26.3	4.7	69.8	2.8	3.1													
							2	27.9	8.0	26.3	4.7	69.8	2.8	3.4													
					Bottom	6.9	1	27.2	8.0	28.7	4.4	64.6	5.1	3.7													
							2	27.2	8.0	28.7	4.4	64.7	5.2	3.9													
TCE-WQM2b	Cloudy	Moderate	4:07	12.2	Surface	1.0	1	28.0	8.0	25.7	5.0	73.0	2.9	4.6	4.6	4.7	5.1										
							2	28.0	8.0	25.7	5.0	73.0	2.9	4.1													
					Middle	6.1	1	27.1	8.0	28.7	4.3	64.1	4.1	5.0													
							2	27.0	8.0	28.8	4.3	63.9	4.2	4.7													
					Bottom	11.2	1	26.6	8.0	30.3	4.3	64.0	7.1	6.2													
							2	26.6	8.0	30.3	4.3	64.1	7.0	5.8													
TCE-WQM3A	Cloudy	Calm	4:34	4.2	Surface	1.0	1	28.5	8.0	23.6	5.2	76.4	3.0	7.3	5.2	3.9	6.6										
							2	28.5	8.0	23.6	5.2	76.4	3.0	7.2													
					Bottom	3.2	1	28.4	8.0	24.4	5.1	74.3	4.9	6.0													
							2	28.4	8.0	24.4	5.1	74.4	4.7	5.8													
					TCE-WQM4	Cloudy	Calm	4:46	3.6	Surface	1.0	1	29.2	8.1				22.7	5.6	83.2	2.9	4.0	5.7	3.2	5.4		
											2	29.1	8.1	22.7				5.7	84.0	3.0	4.3						
Bottom	2.6	1	29.0	8.1	22.8					6.0	88.3	3.4	6.4														
		2	29.0	8.1	22.8					6.0	88.3	3.4	6.7														