

Annex G3

## Monitoring Results for Water Quality

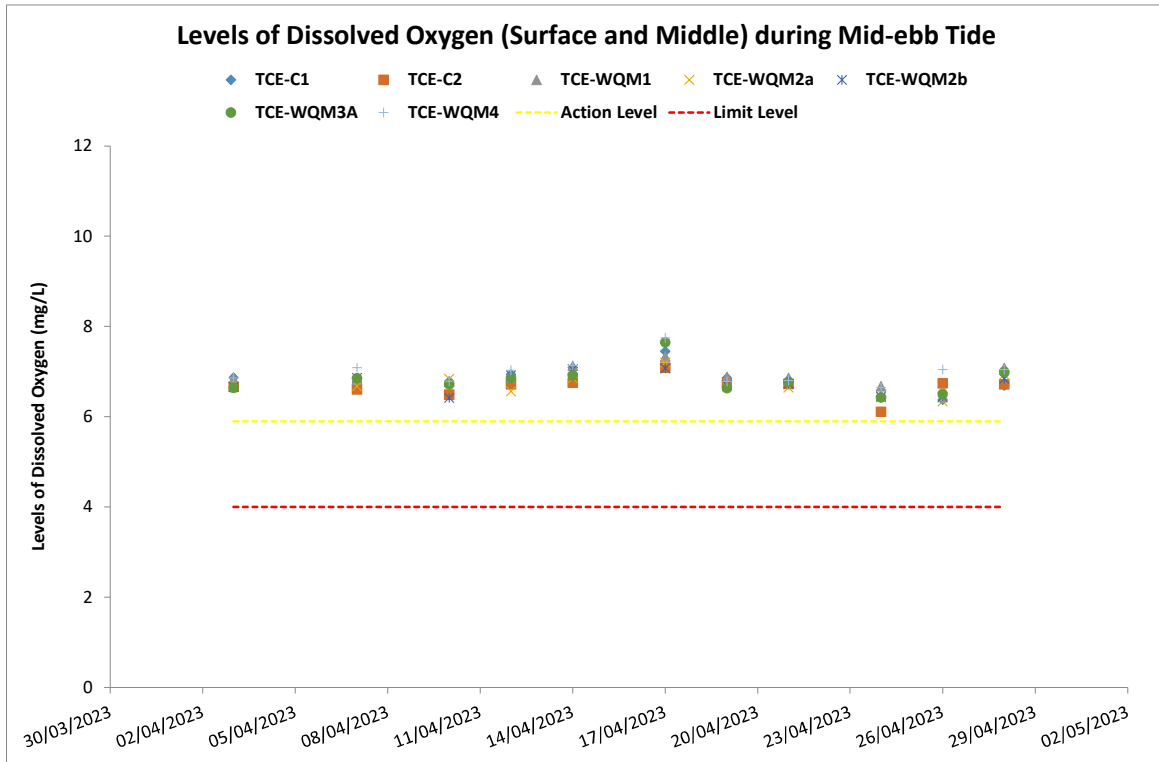


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2023

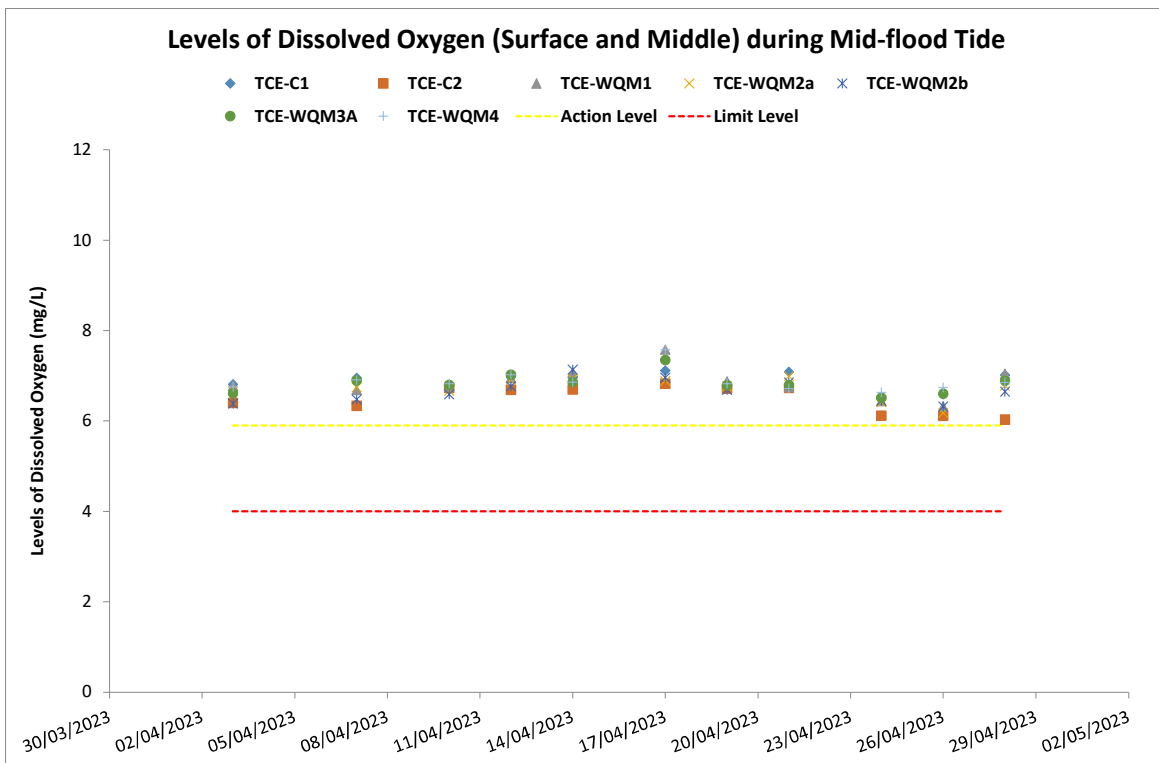


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2023

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02\_Deliverable\10 Monthly EM&A Report\  
 Date: April 2023

**Environmental  
 Resources  
 Management**



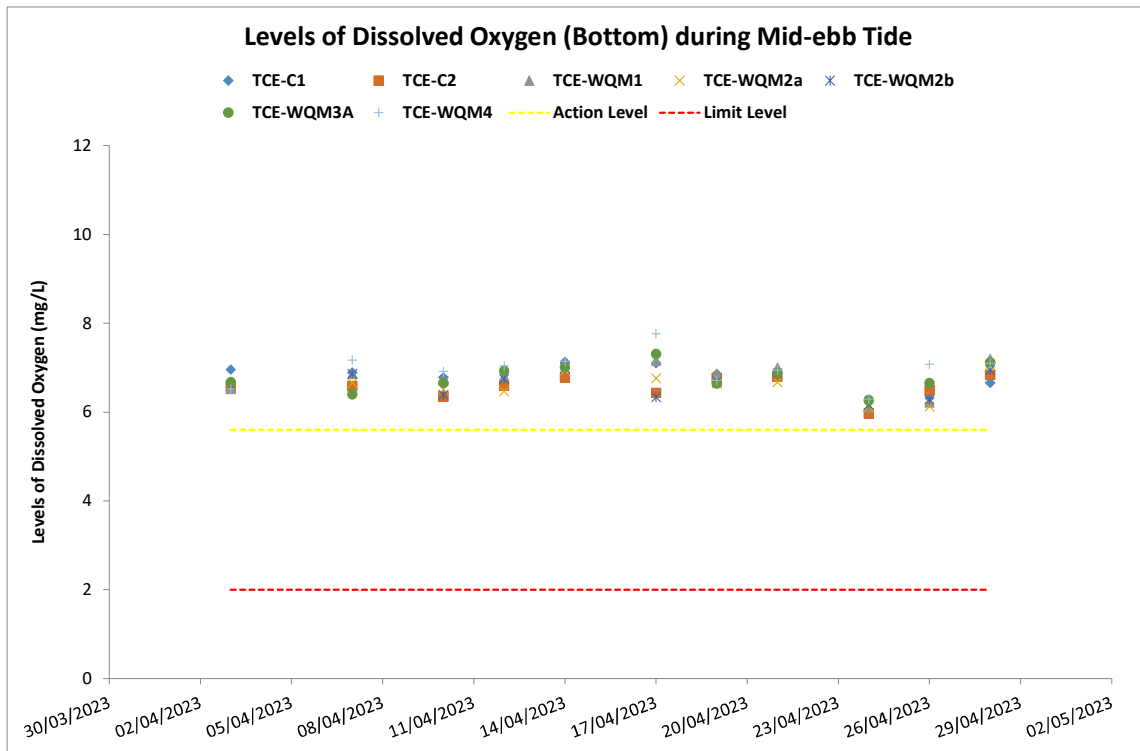


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2023

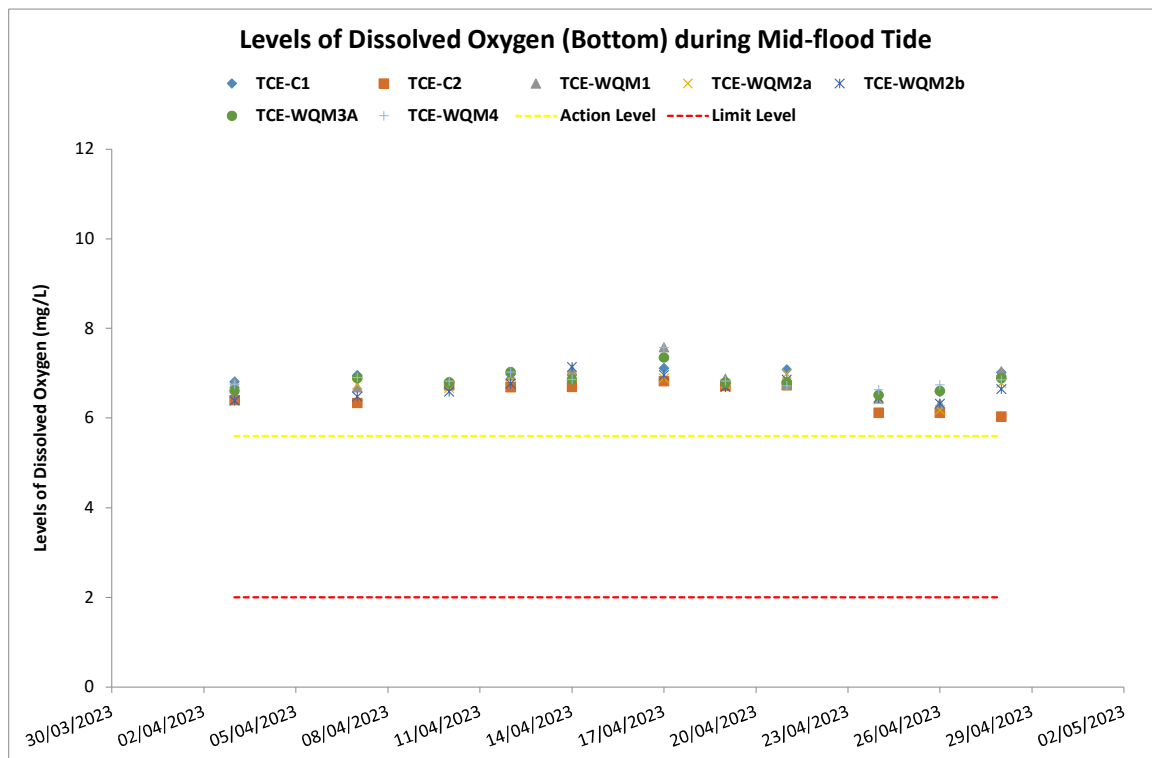


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2023

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02\_Deliverable\10 Monthly EM&A Report\  
 Date: April 2023

**Environmental  
 Resources  
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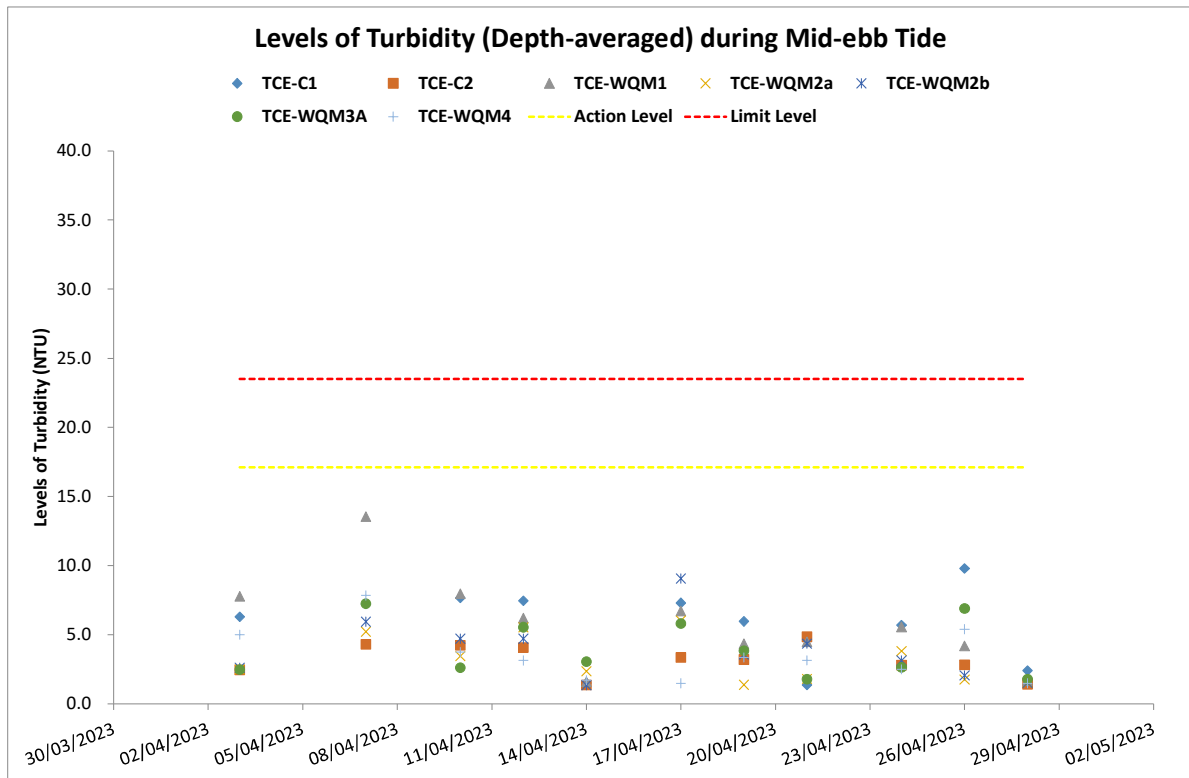


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2023

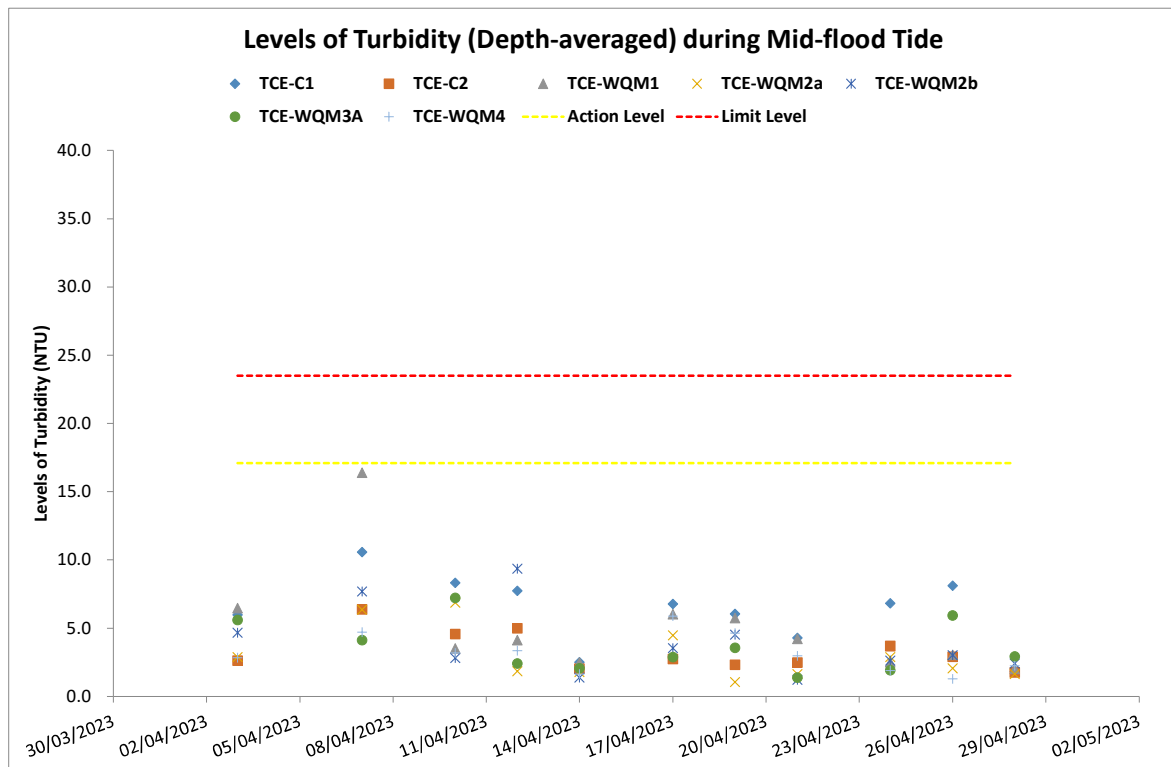


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2023

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

Date: April 2023

**Environmental Resources Management**



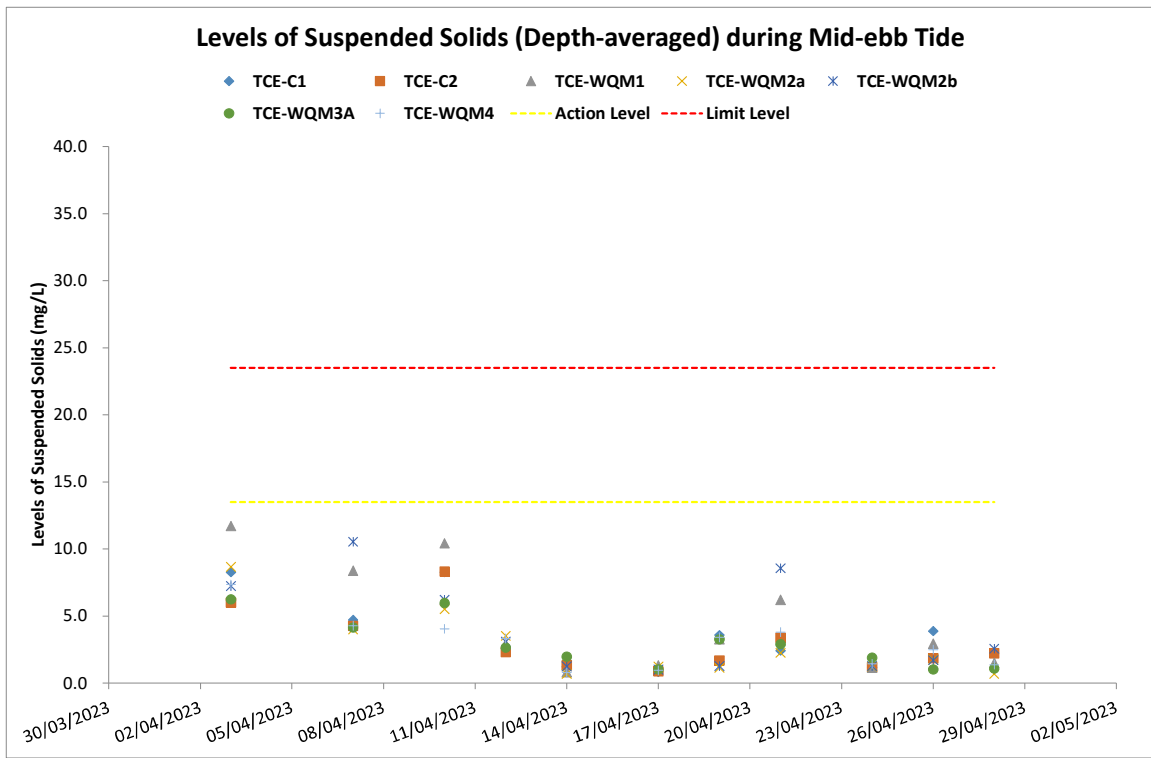


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2023

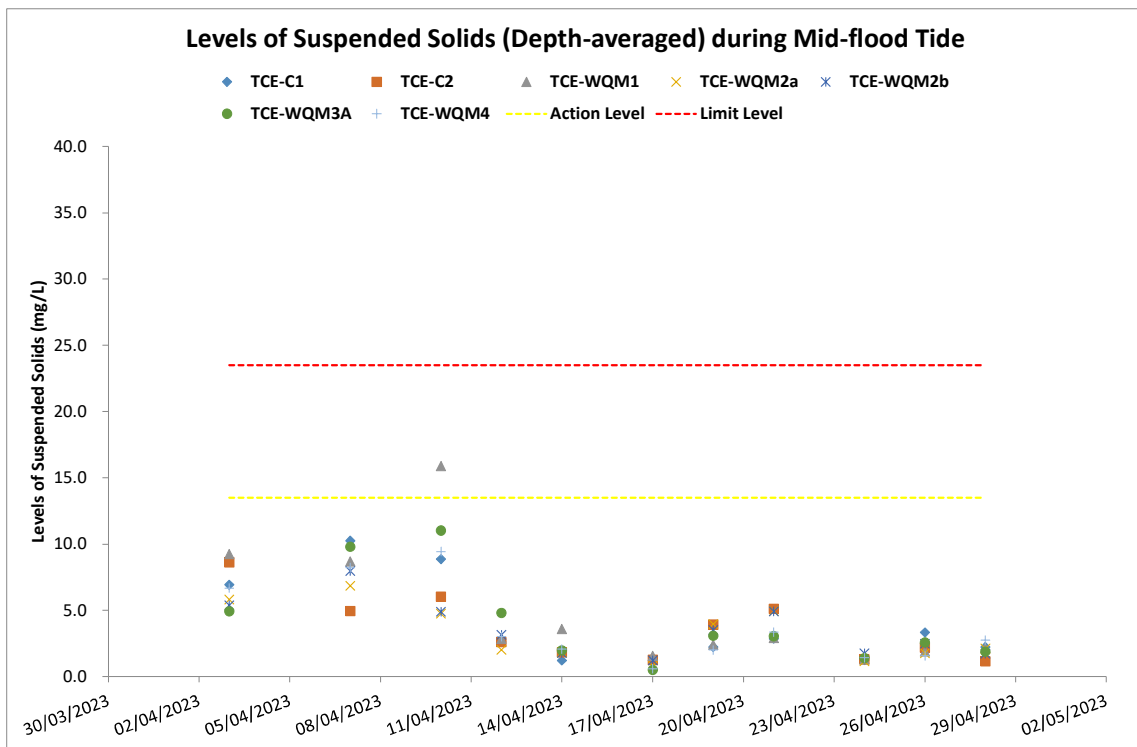


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2023

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02\_Deliverable\10 Monthly EM&A Report\  
 Date: April 2023

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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)								
2023-04-03	Mid-Ebb	TCE-C1	Cloudy	Rough	10:21	7.1	Surface	1.0	1	20.6	8.1	30.2	6.9	91.1	5.6	9.2	6.9	6.3	8.3								
									2	20.6	8.1	30.2	6.9	91.2	5.7	9.6											
							Middle	3.6	1	20.5	8.1	30.3	6.9	91.4	6.5	8.6											
									2	20.5	8.1	30.3	6.9	91.4	6.5	8.3											
							Bottom	6.1	1	20.5	8.2	30.5	7.0	92.5	6.8	6.8											
									2	20.5	8.2	30.5	7.0	92.6	6.8	7.2											
		TCE-C2	Cloudy	Rough	12:44	12.7	Surface	1.0	1	20.7	8.1	30.0	6.7	88.8	2.4	7.0	6.7	2.4	6.0								
									2	20.7	8.1	30.0	6.7	88.8	2.4	6.7											
							Middle	6.4	1	20.7	8.1	30.1	6.6	88.3	2.4	6.0											
									2	20.7	8.1	30.1	6.6	88.3	2.4	5.8											
							Bottom	11.7	1	20.6	8.1	30.4	6.6	87.1	2.6	5.5											
									2	20.6	8.1	30.4	6.6	87.1	2.6	5.1											
	TCE-WQM1	Cloudy	Rough	11:19	9.9	Surface	1.0	1	20.7	8.1	30.0	6.8	90.7	6.9	13.5	6.8	7.8	11.7									
								2	20.7	8.1	30.0	6.8	90.7	6.9	12.8												
						Middle	5.0	1	20.6	8.1	30.3	6.9	91.0	6.2	11.6												
								2	20.6	8.1	30.2	6.9	91.0	6.2	11.0												
						Bottom	8.9	1	20.5	8.2	30.5	6.5	85.7	10.2	10.5												
								2	20.5	8.2	30.5	6.5	85.7	10.2	10.9												
	TCE-WQM2a	Cloudy	Rough	12:04	7.2	Surface	1.0	1	20.6	8.1	30.0	6.7	89.3	2.7	7.7	6.7	2.5	8.7									
								2	20.6	8.1	30.0	6.7	89.3	2.7	8.1												
						Middle	3.6	1	20.6	8.1	30.2	6.6	88.2	2.4	8.8												
								2	20.6	8.1	30.2	6.6	88.2	2.4	8.5												
						Bottom	6.2	1	20.6	8.1	30.5	6.6	87.5	2.4	9.3												
								2	20.6	8.1	30.5	6.6	87.5	2.3	9.6												
TCE-WQM2b	Cloudy	Rough	12:24	10.6	Surface	1.0	1	20.7	8.1	30.0	6.7	89.1	2.3	8.5	6.7	2.6	7.2										
							2	20.7	8.1	30.0	6.7	89.1	2.3	8.1													
					Middle	5.3	1	20.7	8.1	30.1	6.6	88.0	2.5	7.2													
							2	20.7	8.1	30.1	6.6	88.0	2.5	6.9													
					Bottom	9.6	1	20.6	8.1	31.0	6.6	88.0	3.1	6.1													
							2	20.6	8.1	31.0	6.6	88.0	3.1	6.6													
TCE-WQM3A	Cloudy	Rough	11:51	5.3	Surface	1.0	1	20.6	8.1	30.2	6.6	88.3	2.6	6.1	6.6	2.5	6.3										
							2	20.6	8.1	30.2	6.6	88.3	2.6	5.6													
					Bottom	4.3	1	20.6	8.1	30.4	6.7	88.7	2.4	6.4													
							2	20.6	8.1	30.4	6.7	88.9	2.4	6.9													
					TCE-WQM4	Cloudy	Rough	11:34	4.1	Surface	1.0	1	20.7	8.1				29.9	6.9	91.2	4.3	6.9	6.9	5.0	7.4		
											2	20.7	8.1	29.9				6.9	91.2	4.3	7.1						
Bottom	3.1	1	20.7	8.1	29.9					6.5	85.7	5.7	7.5														
		2	20.7	8.1	29.9					6.5	85.7	5.7	7.9														
		2	20.5	7.7	31.1					6.9	91.6	7.4	6.0														
		2	20.5	7.7	31.1					6.9	91.6	7.4	6.0														
2023-04-03	Mid-Flood	TCE-C1	Fine	Rough	6:57	6.9	Surface	1.0	1	20.6	7.9	30.9	6.8	91.3	4.6	8.3	6.8	6.0	6.9								
									2	20.6	7.9	30.9	6.8	91.3	4.7	7.7											
							Middle	3.5	1	20.6	7.8	30.9	6.8	90.9	6.0	7.2											
									2	20.6	7.8	30.9	6.8	90.9	6.0	6.8											
							Bottom	5.9	1	20.5	7.7	31.1	6.9	91.6	7.3	5.6											
									2	20.5	7.7	31.1	6.9	91.6	7.4	6.0											
							TCE-C2	Fine	Rough	4:53	11.5	Surface	1.0	1	20.6	8.0				30.7	6.4	85.7	2.7	9.4	6.4	2.6	8.6
														2	20.6	8.0				30.7	6.4	85.7	2.7	9.6			
												Middle	5.8	1	20.5	7.9				31.1	6.4	85.0	2.1	8.7			
														2	20.5	7.9				31.1	6.4	85.0	2.2	8.3			
												Bottom	10.5	1	20.5	7.9				30.9	6.4	85.3	3.0	7.9			
														2	20.5	7.9				30.9	6.4	85.3	3.0	7.9			
		TCE-WQM1	Fine	Moderate	6:05	8.8	Surface	1.0	1	20.6	8.1	30.0	6.8	90.0	5.8	11.0	6.8	6.5	9.2								
									2	20.6	8.1	30.0	6.8	90.1	5.8	10.6											
							Middle	4.4	1	20.6	8.1	30.1	6.8	90.3	5.9	9.1											
									2	20.6	8.1	30.1	6.8	90.3	6.0	8.9											
							Bottom	7.8	1	20.6	8.1	30.3	6.8	90.5	7.7	7.7											
									2	20.6	8.1	30.2	6.8	90.5	7.6	8.1											
		TCE-WQM2a	Fine	Rough	5:26	6.4	Surface	1.0	1	20.6	8.1	29.7	6.8	89.4	2.8	6.3	6.7	2.9	5.8								
									2	20.6	8.1	29.7	6.8	89.4	2.8	6.6											
							Middle	3.2	1	20.6	8.1	30.3	6.6	87.4	2.5	6.0											
									2	20.6	8.1	30.3	6.6	87.4	2.6	5.7											
							Bottom	5.4	1	20.6	8.1	30.6	6.4	85.5	3.3	5.0											
									2	20.6	8.1	30.6	6.4	85.5	3.3	5.3											
	TCE-WQM2b	Fine	Rough	5:11	9.2	Surface	1.0	1	20.6	8.1	30.4	6.5	86.2	3.7	3.8	6.4	4.7	5.4									
								2	20.6	8.1	30.4	6.5	86.2	3.7	4.3												
						Middle	4.6	1	20.6	8.1	30.8	6.3	83.9	5.0	5.7												
								2	20.6	8.1	30.8	6.3	83.9	5.1	5.4												
						Bottom	8.2	1	20.6	8.1	31.5	6.2	82.7	5.2	6.9												
								2	20.6	8.1	31.5	6.2	82.7	5.2	6.2												
	TCE-WQM3A	Fine	Moderate	5:39	4.6	Surface	1.0	1	20.6	8.1	29.8	6.6	87.5	4.3	6.0	6.6	5.6	4.9									
								2	20.6	8.1	29.8	6.6	87.5	4.3	5.6												
						Bottom	3.6	1	20.6	8.1	29.8	6.6	88.0	6.9	4.2												
								2	20.6	8.1	29.8	6.7	88.2	6.9	3.9												
						TCE-WQM4	Fine	Moderate	5:50	3.7	Surface	1.0	1	20.6	8.1				29.9	6.8	89.6	2.5	6.2	6.8	2.8	6.7	
												2	20.6	8.1	29.9				6.8	89.6	2.5	6.5					
	Bottom	2.7	1	20.6	8.1	29.9					6.8	90.0	3.2	7.2													
			2	20.6	8.1	29.9					6.8	90.1	3.2	6.8													

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)	
2023-04-07	Mid-Ebb	TCE-C1	Cloudy	Rough	12:03	8.4	Surface	1.0	1	21.5	8.0	26.2	6.9	91.0	7.6	5.8	6.9	7.2	4.7	
									2	21.5	8.0	26.2	6.9	90.9	7.6	5.3				
							Middle	4.2	1	21.5	8.0	28.1	6.8	90.9	5.5	4.9				
									2	21.5	8.0	28.1	6.8	91.0	5.6	4.7				
							Bottom	7.4	1	21.5	8.0	28.7	6.9	92.1	8.7	4.0				
									2	21.5	8.0	28.7	6.9	92.4	8.5	3.6				
		TCE-C2	Cloudy	Moderate	13:47	14.4	Surface	1.0	1	21.6	8.0	27.2	6.7	88.9	3.4	4.9	6.6	4.3	4.3	
									2	21.6	8.0	27.2	6.7	88.8	3.5	4.6				
							Middle	7.2	1	21.1	8.0	28.2	6.5	86.7	4.4	4.5				
									2	21.1	8.0	28.2	6.5	86.7	4.4	4.2				
							Bottom	13.4	1	21.0	8.0	30.6	6.6	88.4	5.1	3.9				
									2	21.0	8.0	30.6	6.6	88.5	5.1	3.5				
	TCE-WQM1	Cloudy	Moderate	12:43	8.0	Surface	1.0	1	21.7	8.0	27.7	6.8	91.1	12.1	7.8	6.8	13.6	8.4		
								2	21.7	8.0	27.7	6.8	91.1	12.6	8.1					
						Middle	4.0	1	21.7	8.0	27.7	6.8	91.2	12.8	7.9					
								2	21.7	8.0	27.7	6.8	91.3	12.4	8.5					
						Bottom	7.0	1	21.7	8.0	27.7	6.9	91.6	15.7	9.2					
								2	21.7	8.0	27.7	6.9	91.6	15.7	8.8					
	TCE-WQM2a	Cloudy	Moderate	13:15	7.4	Surface	1.0	1	21.5	8.0	26.8	6.7	89.2	3.2	4.8	6.7	5.2	4.0		
								2	21.5	8.0	26.8	6.7	89.2	3.2	4.4					
						Middle	3.7	1	21.3	8.0	28.3	6.6	88.2	2.7	3.9					
								2	21.3	8.0	28.4	6.6	88.2	2.8	4.2					
						Bottom	6.4	1	21.3	8.0	28.7	6.7	88.7	10.0	3.2					
								2	21.3	8.0	28.7	6.7	88.8	9.5	3.6					
TCE-WQM2b	Cloudy	Moderate	13:26	10.2	Surface	1.0	1	21.7	8.0	25.4	6.9	90.8	4.2	9.6	6.9	5.9	10.6			
							2	21.7	8.0	25.5	6.9	90.7	4.3	9.8						
					Middle	5.1	1	21.6	8.0	26.5	6.8	90.6	6.3	10.6						
							2	21.6	8.0	26.6	6.8	90.7	6.5	11.0						
					Bottom	9.2	1	21.5	8.0	26.9	6.9	91.0	7.1	11.2						
							2	21.5	8.0	27.0	6.9	91.0	7.2	11.1						
TCE-WQM3A	Cloudy	Moderate	13:05	4.4	Surface	1.0	1	21.7	8.0	25.8	6.9	90.5	3.4	4.0	6.9	7.2	4.2			
							2	21.7	8.0	25.8	6.9	90.4	3.4	3.6						
					Bottom	3.4	1	21.6	7.9	26.8	6.4	84.8	10.7	4.7						
							2	21.6	7.9	26.8	6.4	85.0	11.5	4.3						
					Surface	1.0	1	21.8	8.0	26.0	7.1	93.8	9.9	3.9				7.1	7.8	4.3
							2	21.8	8.0	26.0	7.1	94.0	10.5	3.8						
Bottom	2.6	1	21.5	8.0	27.3	7.2	95.0	5.4	4.9											
		2	21.4	8.0	27.3	7.2	95.3	5.6	4.5											
Surface	1.0	1	21.5	8.0	26.3	7.0	92.9	7.3	11.0	7.0	10.6	10.3								
		2	21.5	8.0	26.4	7.0	92.7	7.3	11.5											
Middle	4.2	1	21.5	8.0	27.8	6.9	91.7	11.7	10.6											
		2	21.5	8.0	27.9	6.9	91.7	11.6	10.0											
Bottom	7.4	1	21.4	8.1	28.8	6.8	91.6	12.7	8.9											
		2	21.4	8.1	28.8	6.9	91.6	13.0	9.5											
2023-04-07	Mid-Flood	TCE-C1	Cloudy	Rough	8:52	8.4	Surface	1.0	1	21.5	8.0	26.3	7.0	92.9	7.3	11.0	6.8	10.6	10.3	
									2	21.5	8.0	26.4	7.0	92.7	7.3	11.5				
							Middle	4.2	1	21.5	8.0	27.8	6.9	91.7	11.7	10.6				
									2	21.5	8.0	27.9	6.9	91.7	11.6	10.0				
							Bottom	7.4	1	21.4	8.1	28.8	6.8	91.6	12.7	8.9				
									2	21.4	8.1	28.8	6.9	91.6	13.0	9.5				
		TCE-C2	Cloudy	Moderate	7:02	14.4	Surface	1.0	1	21.2	8.0	29.0	6.4	85.2	4.1	4.0	6.3	6.4	5.0	
									2	21.2	8.0	29.1	6.4	85.1	4.2	4.5				
							Middle	7.2	1	21.0	7.9	30.5	6.3	84.4	6.9	4.8				
									2	21.0	7.9	30.5	6.3	84.4	7.0	5.1				
							Bottom	13.4	1	21.0	7.9	30.5	6.3	84.3	7.9	5.5				
									2	21.0	7.9	30.5	6.3	84.3	8.2	5.8				
	TCE-WQM1	Cloudy	Moderate	8:11	7.9	Surface	1.0	1	21.8	8.0	27.9	6.7	89.4	12.8	8.1	6.7	16.4	8.7		
								2	21.8	8.0	27.9	6.7	89.4	13.1	7.7					
						Middle	4.0	1	21.7	8.0	27.9	6.7	89.5	14.2	8.4					
								2	21.7	8.0	27.9	6.7	89.5	14.1	8.8					
						Bottom	6.9	1	21.7	8.0	27.9	6.7	89.7	22.5	9.4					
								2	21.7	8.0	27.9	6.7	89.7	21.7	9.8					
	TCE-WQM2a	Cloudy	Moderate	7:40	7.6	Surface	1.0	1	21.4	8.0	26.6	6.8	89.8	3.1	5.7	6.7	6.4	6.9		
								2	21.4	8.0	26.6	6.8	89.8	3.1	10.6					
						Middle	3.8	1	21.4	8.0	27.3	6.7	88.9	5.1	7.0					
								2	21.4	8.0	27.5	6.7	88.8	5.2	8.4					
						Bottom	6.6	1	21.3	8.1	28.4	6.6	87.9	10.8	2.7					
								2	21.3	8.1	28.4	6.6	88.1	10.8	6.7					
TCE-WQM2b	Cloudy	Moderate	7:28	10.9	Surface	1.0	1	21.5	8.0	27.1	6.6	87.9	4.8	7.4	6.5	7.7	8.0			
							2	21.5	8.0	27.1	6.6	87.8	4.9	8.0						
					Middle	5.5	1	21.1	8.0	30.0	6.3	84.9	7.9	8.3						
							2	21.1	8.0	30.0	6.3	84.9	7.6	8.0						
					Bottom	9.9	1	21.0	8.0	30.4	6.4	85.3	10.7	11.8						
							2	21.0	8.0	30.4	6.4	85.4	10.2	4.2						
TCE-WQM3A	Cloudy	Moderate	7:49	4.8	Surface	1.0	1	21.5	8.0	25.8	6.9	90.8	4.3	10.5	6.9	4.1	9.8			
							2	21.5	8.0	25.9	6.9	90.9	4.4	10.0						
					Bottom	3.8	1	21.4	8.0	26.0	7.0	91.5	4.0	9.2						
							2	21.4	8.0	26.0	7.0	91.6	3.9	9.5						
					Surface	1.0	1	21.5	8.0	26.3	6.9	91.2	4.5	7.4				7.0	4.7	8.2
							2	21.5	8.0	26.3	6.9	91.3	4.6	7.0						
Bottom	2.7	1	21.5	8.0	26.6	7.0	92.4	4.9	9.0											
		2	21.5	8.0	26.6	7.0	92.4	4.9	9.5											
Surface	1.0	1	21.5	8.0	26.6	7.0	92.6	4.9	9.5											
		2	21.5	8.0	26.6	7.0	92.6	4.9	9.5											

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)						
2023-04-10	Mid-Ebb	TCE-C1	Sunny	Rough	13:52	8.2	Surface	1.0	1	20.8	8.1	27.8	6.8	89.3	6.8	3.7	6.8	7.7	8.3						
									2	20.8	8.1	27.8	6.8	89.4	6.8	2.9									
							Middle	4.1	1	20.8	8.1	27.9	6.8	89.2	7.3	4.0									
									2	20.8	8.1	27.9	6.8	89.2	7.3	10.8									
							Bottom	7.2	1	20.8	8.1	27.9	6.8	89.2	8.9	14.0									
									2	20.8	8.1	27.9	6.8	89.3	9.0	14.3									
		TCE-C2	Sunny	Rough	15:39	14.1	Surface	1.0	1	21.4	8.1	29.6	6.6	87.3	4.4	9.4	6.5	4.2	8.3						
									2	21.4	8.1	29.6	6.6	87.4	4.4	9.8									
							Middle	7.1	1	21.2	8.1	30.0	6.4	86.2	4.3	8.0									
									2	21.2	8.1	30.1	6.4	86.1	4.2	8.5									
							Bottom	13.1	1	21.0	8.1	31.0	6.4	85.4	4.0	7.3									
									2	21.0	8.1	31.0	6.4	85.4	4.0	6.9									
	TCE-WQM1	Sunny	Moderate	14:23	9.9	Surface	1.0	1	20.8	8.1	27.8	6.8	89.5	6.5	3.8	6.8	8.0	10.4							
								2	20.8	8.1	27.8	6.8	89.5	6.5	6.6										
						Middle	5.0	1	20.8	8.1	27.9	6.7	88.7	8.2	3.7										
								2	20.8	8.1	27.9	6.7	88.7	8.2	18.0										
						Bottom	8.9	1	20.8	8.1	27.9	6.7	88.6	9.2	17.6										
								2	20.8	8.1	27.9	6.7	88.6	9.2	12.8										
	TCE-WQM2a	Sunny	Moderate	15:02	7.7	Surface	1.0	1	21.1	8.1	27.2	6.9	91.0	1.7	6.8	6.8	3.4	5.5							
								2	21.1	8.1	27.2	6.9	91.0	1.7	6.4										
						Middle	3.9	1	21.0	8.1	27.5	6.8	89.2	2.2	5.4										
								2	21.0	8.1	27.5	6.8	89.1	2.2	5.8										
						Bottom	6.7	1	21.0	8.1	29.0	6.5	86.6	6.3	4.6										
								2	21.0	8.1	29.0	6.5	86.6	6.6	4.1										
TCE-WQM2b	Sunny	Rough	15:15	10.8	Surface	1.0	1	21.2	8.1	29.8	6.5	86.8	4.4	5.8	6.4	4.7	6.2								
							2	21.3	8.1	29.7	6.5	86.8	4.4	5.5											
					Middle	5.4	1	21.0	8.1	31.0	6.4	85.5	4.2	6.1											
							2	21.0	8.1	31.0	6.4	85.5	4.3	6.4											
					Bottom	9.8	1	21.0	8.1	31.2	6.4	86.0	5.5	6.6											
							2	21.0	8.1	31.2	6.4	86.0	5.5	7.0											
TCE-WQM3A	Sunny	Moderate	14:49	5.7	Surface	1.0	1	21.0	8.1	27.8	6.7	88.6	2.8	5.6	6.7	2.6	6.0								
							2	21.0	8.1	27.8	6.7	88.6	2.8	5.8											
					Bottom	4.7	1	20.9	8.1	28.0	6.7	87.8	2.5	6.0											
							2	20.9	8.1	28.0	6.7	87.8	2.5	6.5											
					TCE-WQM4	Sunny	Moderate	14:38	4.2	Surface	1.0	1	21.0	8.1				27.8	6.8	89.6	2.8	3.8	6.8	3.7	4.1
											2	21.0	8.1	27.8				6.8	89.6	2.8	3.5				
Bottom	3.2	1	20.9	8.1	27.9					6.9	91.1	4.7	4.3												
		2	20.9	8.1	27.9					6.9	91.3	4.7	4.6												
TCE-C1	Fine	Moderate	9:55	7.8	Surface					1.0	1	20.8	8.1	28.0	6.8	89.7	7.9	5.2	6.8	8.3	8.9				
										2	20.8	8.1	28.0	6.8	89.8	7.7	5.1								
Middle					3.9	1	20.8	8.1	28.0	6.8	89.3	9.2	5.6												
						2	20.8	8.1	28.0	6.8	89.3	9.3	6.1												
Bottom					6.8	1	20.8	8.1	28.0	6.8	89.6	8.0	15.9												
						2	20.8	8.1	28.0	6.8	89.6	7.9	15.3												
TCE-C2	Fine	Moderate	7:34	12.5	Surface	1.0	1	21.0	8.0	28.5	6.8	88.7	1.9	5.2	6.7	4.6	6.0								
							2	21.0	8.0	28.5	6.8	88.7	1.9	5.5											
					Middle	6.3	1	21.0	7.9	29.4	6.7	88.2	3.6	6.3											
							2	21.0	7.9	29.4	6.7	88.2	3.5	5.9											
					Bottom	11.5	1	21.0	7.9	29.2	6.4	85.7	8.3	6.5											
							2	21.0	7.9	29.2	6.4	85.7	8.3	6.8											
TCE-WQM1	Fine	Moderate	8:52	8.7	Surface	1.0	1	20.9	8.1	27.7	6.8	89.4	3.3	17.6	6.8	3.5	15.9								
							2	20.9	8.1	27.7	6.8	89.5	3.3	17.0											
					Middle	4.4	1	20.9	8.1	27.7	6.8	88.9	2.9	15.8											
							2	20.9	8.1	27.7	6.8	88.9	2.9	17.3											
					Bottom	7.7	1	20.9	8.1	27.9	6.8	89.0	4.4	16.1											
							2	20.9	8.1	27.9	6.8	89.0	4.4	11.6											
TCE-WQM2a	Fine	Moderate	8:15	6.3	Surface	1.0	1	21.1	8.1	28.1	6.7	88.6	5.3	5.6	6.7	6.9	4.8								
							2	21.1	8.1	28.1	6.7	88.6	5.3	5.4											
					Middle	3.2	1	21.1	8.1	28.2	6.7	88.1	6.6	4.5											
							2	21.1	8.1	28.2	6.7	88.1	6.7	5.0											
					Bottom	5.3	1	21.0	8.1	28.5	6.7	88.2	8.7	4.1											
							2	21.0	8.1	28.5	6.7	88.2	8.7	3.9											
TCE-WQM2b	Fine	Moderate	7:59	9.2	Surface	1.0	1	21.0	8.0	28.8	6.7	88.3	1.8	5.8	6.6	2.8	4.9								
							2	21.0	8.0	28.8	6.7	88.3	1.8	5.4											
					Middle	4.6	1	21.0	8.0	29.2	6.5	86.8	2.2	5.1											
							2	21.0	8.0	29.2	6.5	86.7	2.2	4.8											
					Bottom	8.2	1	21.0	8.0	29.9	6.4	85.7	4.5	4.3											
							2	21.0	8.0	29.9	6.4	85.7	4.5	3.9											
TCE-WQM3A	Fine	Calm	8:26	4.6	Surface	1.0	1	21.0	8.1	27.6	6.8	89.6	6.2	11.6	6.8	7.2	11.0								
							2	21.0	8.1	27.6	6.8	89.6	6.2	11.2											
					Bottom	3.6	1	21.0	8.1	27.6	6.8	89.3	8.2	10.9											
							2	21.0	8.1	27.6	6.8	89.3	8.3	10.4											
					TCE-WQM4	Fine	Calm	8:40	3.9	Surface	1.0	1	21.0	8.1				27.4	6.8	89.7	2.7	8.8	6.8	3.2	9.4
											2	21.0	8.1	27.4				6.8	89.7	2.8	9.2				
Bottom	2.9	1	21.0	8.1	27.7					6.7	88.5	3.6	10.2												
		2	21.0	8.1	27.7					6.7	88.5	3.6	10.2												
		2	21.0	8.1	27.7					6.7	88.5	3.7	9.5												
		2	21.0	8.1	27.7					6.7	88.5	3.7	9.5												



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)
2023-04-12	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:41	8.6	Surface	1.0	1	21.3	8.1	29.2	7.0	93.4	6.9	2.8	6.9	7.5	2.6
									2	21.3	8.1	29.2	7.0	93.4	6.9	2.6			
							Middle	4.3	1	21.2	8.1	31.2	6.9	93.2	8.3	2.4			
									2	21.2	8.1	31.2	6.9	93.2	8.3	2.0			
							Bottom	7.6	1	21.3	8.1	30.8	6.9	93.7	7.2	3.2			
									2	21.3	8.1	30.7	7.0	93.8	7.1	2.6			
		TCE-C2	Cloudy	Moderate	17:45	13.4	Surface	1.0	1	21.9	8.0	25.8	7.0	93.3	3.7	1.8	6.7	4.1	2.3
									2	21.8	8.0	25.9	7.0	93.0	2.0	1.2			
							Middle	6.7	1	21.2	8.0	31.0	6.4	86.4	4.8	2.9			
									2	21.2	8.0	31.0	6.4	86.4	4.8	2.4			
							Bottom	12.4	1	21.2	8.0	31.3	6.6	88.9	4.7	2.9			
									2	21.2	8.0	31.3	6.6	89.1	4.6	2.8			
	TCE-WQM1	Cloudy	Moderate	16:43	8.5	Surface	1.0	1	22.0	8.0	26.0	6.9	92.0	5.3	2.8	6.9	6.2	2.9	
								2	21.9	8.0	26.0	6.9	91.8	5.6	3.6				
						Middle	4.3	1	21.7	8.0	26.6	6.8	90.6	6.6	3.0				
								2	21.7	8.0	26.6	6.8	90.6	6.6	2.6				
						Bottom	7.5	1	21.7	8.0	26.7	6.8	90.6	6.6	2.4				
								2	21.7	8.0	26.7	6.8	90.6	6.6	3.1				
	TCE-WQM2a	Cloudy	Moderate	17:12	7.6	Surface	1.0	1	21.6	8.0	26.9	6.7	88.2	2.8	3.6	6.6	5.5	3.5	
								2	21.6	8.0	26.9	6.7	88.2	2.8	3.3				
						Middle	3.8	1	21.3	8.0	29.3	6.5	86.7	5.5	2.1				
								2	21.3	8.0	29.5	6.5	86.6	5.8	1.7				
						Bottom	6.6	1	21.2	8.0	29.9	6.5	86.8	8.1	5.2				
								2	21.2	8.0	29.9	6.5	86.8	8.2	5.3				
TCE-WQM2b	Cloudy	Moderate	17:23	10.3	Surface	1.0	1	22.4	8.0	25.0	7.1	94.0	1.7	2.6	6.9	4.7	3.1		
							2	22.4	8.0	25.1	7.1	94.0	1.8	3.1					
					Middle	5.2	1	21.4	8.0	27.1	6.8	89.7	5.5	3.0					
							2	21.3	8.0	27.2	6.8	89.7	5.6	3.8					
					Bottom	9.3	1	21.2	7.9	30.2	6.7	90.5	6.8	2.4					
							2	21.2	7.9	30.2	6.8	90.9	6.9	3.6					
TCE-WQM3A	Cloudy	Moderate	17:02	4.2	Surface	1.0	1	22.0	7.9	25.0	6.9	90.7	5.0	2.7	6.9	5.5	2.7		
							2	22.0	7.9	25.0	6.9	90.7	5.1	3.0					
					Bottom	3.2	1	21.8	7.9	25.4	6.9	91.5	6.1	2.5					
							2	21.8	7.9	25.4	6.9	91.7	6.0	2.4					
					Bottom	3.2	1	21.9	8.0	26.1	7.0	93.6	2.8	3.2					
							2	21.9	8.0	26.2	7.0	93.5	2.9	3.2					
TCE-WQM4	Cloudy	Moderate	16:53	3.4	Surface	1.0	1	21.9	8.0	26.1	7.0	93.6	3.3	3.3	7.0	3.1	3.3		
							2	21.8	8.0	26.5	7.0	93.6	3.5	3.6					
					Bottom	2.4	1	21.8	8.0	26.5	7.0	93.6	3.3	3.3					
							2	21.8	8.0	26.5	7.0	93.6	3.5	3.6					
					Bottom	2.4	1	21.8	8.0	26.5	7.0	93.6	3.3	3.3					
							2	21.8	8.0	26.5	7.0	93.6	3.5	3.6					
2023-04-12	Mid-Flood	TCE-C1	Cloudy	Moderate	10:55	8.8	Surface	1.0	1	21.3	8.1	29.2	7.0	93.7	6.5	3.2	7.0	7.7	2.6
									2	21.3	8.1	29.3	7.0	93.7	6.9	2.6			
							Middle	4.4	1	21.2	8.1	31.5	6.9	94.0	8.2	2.7			
									2	21.2	8.1	31.5	7.0	94.0	8.2	2.1			
							Bottom	7.8	1	21.2	8.1	31.5	7.0	94.6	8.2	2.9			
									2	21.2	8.1	31.5	7.0	94.6	8.4	2.2			
		TCE-C2	Cloudy	Moderate	8:59	13.8	Surface	1.0	1	22.2	7.8	25.2	7.0	92.5	1.7	2.4	6.7	5.0	2.6
									2	22.1	7.8	25.2	7.0	92.5	1.8	1.9			
							Middle	6.9	1	21.3	7.9	29.2	6.4	85.7	2.6	3.2			
									2	21.3	7.9	29.2	6.4	85.6	2.6	2.6			
							Bottom	12.8	1	21.1	7.8	31.1	6.2	83.3	10.6	3.5			
									2	21.1	7.8	31.1	6.2	83.4	10.8	2.1			
	TCE-WQM1	Cloudy	Moderate	10:05	8.6	Surface	1.0	1	22.1	8.0	25.9	7.0	93.3	2.7	4.8	7.0	4.1	2.9	
								2	22.0	8.0	26.0	7.0	93.1	2.8	4.4				
						Middle	4.3	1	21.7	8.0	26.9	6.9	91.7	4.7	1.7				
								2	21.7	8.0	26.9	6.9	91.8	4.9	2.4				
						Bottom	7.6	1	21.7	8.0	27.0	7.0	92.6	4.9	2.2				
								2	21.7	8.0	26.9	7.0	92.6	4.9	1.6				
	TCE-WQM2a	Cloudy	Moderate	9:35	7.2	Surface	1.0	1	22.1	7.9	24.7	7.0	92.0	1.5	2.3	6.9	1.8	2.0	
								2	22.1	7.9	24.7	7.0	92.0	1.5	1.8				
						Middle	3.6	1	21.7	8.0	26.3	6.9	91.0	2.0	1.6				
								2	21.7	8.0	26.3	6.9	91.0	2.0	2.2				
						Bottom	6.2	1	21.6	8.0	26.8	7.0	92.3	2.1	2.0				
								2	21.7	8.0	26.8	7.0	92.5	2.1	2.2				
TCE-WQM2b	Cloudy	Moderate	9:24	10.3	Surface	1.0	1	21.7	8.0	26.7	6.8	89.7	5.8	3.6	6.8	9.4	3.2		
							2	21.6	8.0	26.9	6.8	89.6	6.6	4.0					
					Middle	5.2	1	21.5	8.0	27.7	6.8	90.0	9.9	3.8					
							2	21.4	8.0	27.8	6.8	90.4	10.3	2.6					
					Bottom	9.3	1	21.4	8.0	28.0	6.9	91.3	11.8	2.6					
							2	21.4	8.0	28.0	6.9	91.5	11.7	2.4					
TCE-WQM3A	Cloudy	Moderate	9:45	4.7	Surface	1.0	1	22.0	7.9	24.5	7.0	92.6	2.4	5.7	7.0	2.4	4.8		
							2	22.0	7.9	24.5	7.0	92.7	2.4	7.3					
					Bottom	3.7	1	22.0	7.9	24.5	7.1	93.0	2.4	3.6					
							2	22.0	7.9	24.5	7.1	93.0	2.4	2.6					
					Bottom	3.7	1	22.0	7.9	24.5	7.1	93.0	2.4	3.6					
							2	22.0	7.9	24.5	7.1	93.0	2.4	2.6					
TCE-WQM4	Cloudy	Moderate	9:54	3.9	Surface	1.0	1	21.9	8.0	24.8	7.0	92.6	3.0	2.7	7.0	3.3	3.0		
							2	21.9	8.0	24.8	7.0	92.7	2.9	2.6					
					Bottom	2.9	1	21.7	8.0	26.7	7.0	93.1	3.7	3.6					
							2	21.7	8.0	26.8	7.0	93.2	3.8	3.2					
					Bottom	2.9	1	21.7	8.0	26.7	7.0	93.1	3.7	3.6					
							2	21.7	8.0	26.8	7.0	93.2	3.8	3.2					

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)	
2023-04-14	Mid-Ebb	TCE-C1	Fine	Calm	18:26	8.2	Surface	1.0	1	22.5	8.0	27.7	7.1	95.9	1.2	0.6	7.1	1.5	1.2	
									2	22.5	8.0	27.7	7.1	95.9	1.1	0.9				
							Middle	4.1	1	22.5	8.0	27.7	7.1	96.1	1.3	1.1				
									2	22.5	8.0	27.7	7.1	96.2	1.4	1.3				
							Bottom	7.2	1	22.5	8.0	27.6	7.1	96.5	2.0	1.8				
									2	22.6	8.0	27.6	7.1	96.7	2.0	1.6				
		TCE-C2	Fine	Calm	19:56	14.0	Surface	1.0	1	21.8	8.0	28.3	6.9	92.9	1.2	1.7	6.8	1.4	1.3	
									2	21.7	8.0	28.3	6.7	89.8	1.2	1.5				
							Middle	7.0	1	21.5	8.0	30.7	6.7	90.5	1.3	1.2				
									2	21.5	8.0	30.8	6.7	90.7	1.4	1.4				
							Bottom	13.0	1	21.5	8.0	30.8	6.8	91.6	1.5	1.1				
									2	21.5	8.0	30.8	6.8	92.0	1.5	1.1				
		TCE-WQM1	Fine	Calm	18:49	9.6	Surface	1.0	1	22.7	8.0	27.1	7.1	96.8	1.0	0.3	7.1	1.6	0.8	
									2	22.7	8.0	27.2	7.1	96.6	1.1	0.3				
							Middle	4.8	1	22.6	8.0	27.2	7.1	96.5	1.8	0.9				
									2	22.6	8.0	27.2	7.1	96.5	1.8	0.8				
							Bottom	8.6	1	22.6	8.0	27.3	7.1	96.4	1.9	1.3				
									2	22.6	8.0	27.2	7.1	96.1	2.0	1.4				
		TCE-WQM2a	Fine	Calm	19:19	7.6	Surface	1.0	1	22.2	7.9	27.8	6.9	92.8	1.9	0.3	6.9	2.4	0.7	
									2	22.2	7.9	27.8	6.9	92.8	1.9	0.3				
							Middle	3.8	1	22.0	7.9	28.3	6.8	92.1	2.4	0.6				
									2	21.9	7.9	28.5	6.8	91.9	2.3	0.6				
							Bottom	6.6	1	21.8	7.9	28.9	6.9	93.0	2.9	1.1				
									2	21.8	7.9	28.8	7.0	93.5	2.8	1.3				
	TCE-WQM2b	Fine	Calm	19:30	12.6	Surface	1.0	1	22.2	8.0	26.0	7.3	96.9	1.0	0.7	7.1	1.3	1.3		
								2	22.1	8.0	26.0	7.2	96.3	1.1	0.9					
						Middle	6.3	1	21.9	8.0	28.4	6.9	92.3	1.2	1.3					
								2	21.8	8.0	28.6	6.9	92.3	1.2	1.3					
						Bottom	11.6	1	21.8	8.0	28.8	7.0	93.6	1.8	1.6					
								2	21.8	8.0	28.7	7.0	94.7	1.8	1.7					
	TCE-WQM3A	Fine	Calm	19:11	4.6	Surface	1.0	1	22.4	8.0	27.3	6.9	93.3	2.5	1.5	6.9	3.1	2.0		
								2	22.3	8.0	27.4	6.9	93.3	2.4	1.5					
						Bottom	3.6	1	22.2	7.9	27.6	7.0	94.1	3.6	2.2					
	TCE-WQM4	Fine	Calm	19:01	4.0	Surface	1.0	1	22.6	8.0	27.6	7.1	96.8	1.7	0.7	7.1	1.7	0.8		
								2	22.5	8.0	27.6	7.1	96.8	1.7	0.8					
						Bottom	3.0	1	22.5	8.0	27.6	7.1	96.8	1.8	0.9					
	2023-04-14	Mid-Flood	TCE-C1	Fine	Calm	9:01	8.0	Surface	1.0	1	22.2	8.0	28.2	7.0	94.0	1.6	0.8	7.0	2.5	1.2
										2	22.2	8.0	28.3	7.0	94.1	1.5	0.7			
								Middle	4.0	1	22.1	8.0	28.6	7.0	94.3	2.0	1.2			
										2	22.1	8.0	28.6	7.0	94.4	2.1	1.4			
								Bottom	7.0	1	22.1	8.0	28.6	7.0	95.2	3.9	1.5			
										2	22.1	8.0	28.6	7.1	95.6	4.0	1.7			
			TCE-C2	Fine	Calm	7:30	12.6	Surface	1.0	1	21.7	8.0	27.4	6.8	90.6	1.6	1.3	6.7	2.0	1.8
										2	21.7	8.0	27.5	6.8	90.3	1.7	1.6			
								Middle	6.3	1	21.5	8.0	27.9	6.6	88.0	2.1	1.7			
										2	21.5	8.0	27.8	6.6	88.2	2.2	1.9			
								Bottom	11.6	1	21.5	8.0	27.1	6.8	89.7	2.2	2.4			
										2	21.5	8.0	26.9	6.8	89.9	2.3	2.1			
TCE-WQM1			Fine	Calm	8:41	9.0	Surface	1.0	1	22.3	8.0	27.6	7.1	95.5	1.6	3.8	7.1	2.5	3.6	
									2	22.3	8.0	27.7	7.1	95.5	1.5	4.2				
							Middle	4.5	1	22.3	8.0	27.7	7.1	95.5	2.8	3.6				
									2	22.3	8.0	27.7	7.1	95.6	2.9	3.9				
							Bottom	8.0	1	22.3	8.0	27.8	7.1	95.9	3.0	2.9				
									2	22.3	8.0	27.7	7.1	96.0	3.0	3.1				
TCE-WQM2a			Fine	Calm	8:11	6.2	Surface	1.0	1	22.3	8.0	27.6	6.9	93.5	1.1	2.5	6.9	1.8	1.8	
									2	22.3	8.0	27.6	6.9	93.5	1.1	2.2				
							Middle	3.1	1	22.2	8.0	27.3	7.0	93.5	1.7	1.8				
									2	22.2	8.0	27.4	6.9	93.4	1.7	1.7				
							Bottom	5.2	1	22.4	8.0	27.7	6.9	93.6	2.5	1.3				
									2	22.5	8.0	27.7	6.9	93.8	2.6	1.5				
TCE-WQM2b		Fine	Calm	8:00	11.2	Surface	1.0	1	22.2	7.9	24.7	7.2	95.0	1.0	2.4	7.1	1.4	1.8		
								2	22.2	7.9	24.6	7.2	95.0	1.0	2.2					
						Middle	5.6	1	22.2	7.9	26.4	7.1	95.0	1.1	1.9					
								2	22.2	7.9	26.4	7.1	95.2	1.1	1.6					
						Bottom	10.2	1	22.2	7.9	26.3	7.1	95.5	2.0	1.2					
								2	22.3	8.0	26.2	7.2	95.7	2.0	1.4					
TCE-WQM3A		Fine	Calm	8:21	4.2	Surface	1.0	1	22.3	8.0	27.1	6.9	92.4	1.9	1.7	6.9	2.0	2.0		
								2	22.3	8.0	27.1	6.9	92.2	1.9	1.4					
						Bottom	3.2	1	22.4	8.0	27.1	6.9	92.6	2.2	2.6					
TCE-WQM4		Fine	Calm	8:29	4.0	Surface	1.0	1	22.4	8.0	27.8	6.9	93.0	1.3	1.8	6.9	1.6	2.1		
								2	22.5	8.0	27.7	6.9	93.0	1.3	1.9					
						Bottom	3.0	1	22.7	7.9	27.7	6.9	93.3	1.9	2.1					
			2	22.7	7.9	27.7	6.9	93.6	2.0	2.5										

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)		
2023-04-17	Mid-Ebb	TCE-C1	Sunny	Rough	9:57	7.1	Surface	1.0	1	22.6	8.0	27.8	7.5	102.5	6.1	0.3	7.4	7.3	0.9		
									2	22.5	8.0	27.8	7.5	102.5	6.1	0.3					
							Middle	3.6	1	22.3	8.0	29.8	7.4	100.9	7.2	0.7					
									2	22.3	8.0	29.8	7.4	100.9	7.2	0.9					
							Bottom	6.1	1	22.3	8.0	29.4	7.1	97.1	8.6	1.4					
									2	22.3	8.0	29.3	7.1	97.1	8.6	1.6					
				7.1																	
				TCE-C2	Sunny	Rough	12:06	12.4	Surface	1.0	1	24.2	7.9	24.4	7.5	102.6	2.5	1.4	7.1	3.4	0.9
									2	24.2	7.9	24.5	7.5	102.5	2.6	1.1					
		Middle	6.2						1	23.8	8.0	29.6	6.7	94.5	3.4	0.9					
									2	23.8	8.0	29.6	6.7	94.5	3.5	0.8					
		Bottom	11.4						1	23.1	8.0	29.9	6.4	89.5	4.1	0.5					
									2	23.1	8.0	29.9	6.4	89.5	4.1	0.6					
				6.4																	
				TCE-WQM1	Sunny	Moderate	10:46	9.9	Surface	1.0	1	23.3	7.9	24.6	7.4	99.8	4.3	1.2	7.3	6.7	1.3
									2	23.3	7.9	24.6	7.4	99.8	4.3	1.1					
		Middle	5.0						1	23.3	8.0	25.2	7.3	99.2	6.3	1.1					
									2	23.3	8.0	25.2	7.3	99.1	6.3	1.4					
		Bottom	8.9						1	23.1	8.0	25.3	7.2	97.1	9.6	1.5					
									2	23.1	8.0	25.3	7.2	97.0	9.6	1.7					
				7.2																	
				TCE-WQM2a	Sunny	Moderate	11:24	6.3	Surface	1.0	1	23.4	7.9	25.5	7.3	99.2	4.5	1.5	7.2	6.0	1.2
									2	23.4	7.9	25.5	7.3	99.2	4.5	1.5					
		Middle	3.2						1	23.1	7.9	27.9	7.1	98.1	5.3	1.4					
			2						23.1	7.9	28.1	7.1	98.1	5.3	1.2						
	Bottom	5.3	1						22.7	8.0	28.5	6.8	92.7	8.3	0.8						
			2						22.7	8.0	28.5	6.8	92.6	8.3	0.8						
			6.8																		
			TCE-WQM2b	Sunny	Rough	11:41	9.2	Surface	1.0	1	23.8	7.9	23.6	7.1	96.5	6.2	1.1	7.1	9.1	1.0	
								2	23.8	7.9	23.7	7.1	96.5	6.2	1.2						
	Middle	4.6						1	22.9	8.0	25.7	7.0	95.4	9.5	1.2						
								2	22.9	8.0	25.8	7.0	95.3	9.6	1.1						
	Bottom	8.2						1	22.9	8.0	28.8	6.3	87.2	11.4	0.9						
								2	22.9	8.0	28.8	6.3	87.2	11.5	0.6						
			6.3																		
			TCE-WQM3A	Sunny	Moderate	11:12	4.1	Surface	1.0	1	23.4	7.9	23.6	7.6	103.1	5.4	1.4	7.6	5.8	1.0	
								2	23.4	7.9	23.6	7.6	103.1	5.5	1.2						
	Bottom	3.1						1	23.2	7.9	24.0	7.3	98.5	6.1	0.6						
			2	23.2	7.9	24.0	7.3	98.5	6.2	0.9											
			7.3																		
			TCE-WQM4	Sunny	Moderate	10:58	3.7	Surface	1.0	1	23.9	8.0	24.7	7.7	106.1	1.3	1.2	7.7	1.5	1.0	
								2	23.9	8.0	24.8	7.7	106.2	1.3	1.3						
	Bottom	2.7						1	23.5	8.0	25.1	7.8	105.8	1.7	0.5						
			2	23.5	8.0	25.1	7.8	105.7	1.7	0.8											
			7.8																		
	2023-04-17	Mid-Flood	TCE-C1	Fine	Rough	6:31	7.9	Surface	1.0	1	22.6	8.0	27.8	7.2	97.7	3.3	0.8	7.1	6.8	1.2	
										2	22.6	8.0	27.9	7.2	97.6	3.4	0.7				
								Middle	4.0	1	22.3	8.0	30.1	7.1	96.8	7.5	1.3				
									2	22.3	8.0	30.1	7.1	96.8	7.6	1.1					
Bottom								6.9	1	22.3	8.0	30.1	7.0	96.0	9.4	1.5					
									2	22.3	8.0	30.1	7.0	95.9	9.4	1.8					
				7.0																	
				TCE-C2	Fine	Moderate	4:28	13.2	Surface	1.0	1	22.8	8.0	23.8	7.0	93.3	2.0	1.7	6.8	2.7	1.3
									2	22.8	8.0	23.8	7.0	93.1	2.0	1.9					
Middle			6.6						1	22.5	8.1	27.8	6.7	90.4	2.9	1.1					
									2	22.5	8.1	27.8	6.7	90.6	2.9	1.3					
Bottom			12.2						1	22.4	8.1	29.7	6.7	91.2	3.2	0.7					
									2	22.4	8.1	29.7	6.6	91.1	3.3	0.9					
				6.6																	
				TCE-WQM1	Fine	Moderate	5:45	10.7	Surface	1.0	1	23.2	7.9	24.5	7.6	102.2	4.4	1.2	7.6	6.0	1.6
									2	23.2	7.9	24.6	7.6	102.2	4.3	1.4					
Middle			5.4						1	23.2	7.9	25.5	7.6	103.1	6.1	1.6					
									2	23.2	7.9	25.5	7.6	103.1	6.1	1.6					
Bottom			9.7						1	23.1	8.0	25.6	7.6	102.4	7.6	1.9					
									2	23.1	8.0	25.5	7.6	102.4	7.6	1.7					
				7.6																	
				TCE-WQM2a	Fine	Moderate	5:06	7.1	Surface	1.0	1	23.4	7.9	23.3	7.1	95.3	3.6	1.2	6.9	4.5	0.8
									2	23.4	7.9	23.3	7.1	95.3	3.6	1.3					
Middle			3.6						1	23.2	8.0	24.9	6.7	90.6	4.5	0.8					
									2	23.2	8.0	24.9	6.7	90.4	4.5	0.6					
Bottom			6.1						1	22.9	8.0	25.4	6.5	87.8	5.3	0.5					
									2	22.8	8.0	25.4	6.5	87.8	5.4	0.5					
				6.5																	
				TCE-WQM2b	Fine	Moderate	4:52	8.9	Surface	1.0	1	23.0	7.9	25.3	7.4	100.0	2.5	1.8	7.0	3.5	1.2
									2	23.0	7.9	25.5	7.4	99.8	2.6	1.6					
Middle			4.5						1	22.8	8.0	26.3	6.5	88.5	3.9	1.2					
									2	22.8	8.0	26.4	6.5	88.4	3.9	1.3					
Bottom			7.9						1	22.7	8.0	26.6	6.5	87.9	4.1	0.7					
									2	22.7	8.0	26.6	6.5	87.9	4.2	0.8					
				6.5																	
				TCE-WQM3A	Fine	Calm	5:18	4.9	Surface	1.0	1	23.6	8.0	23.1	7.3	99.1	2.3	0.8	7.3	2.9	0.5
									2	23.5	8.0	23.1	7.3	98.9	2.3	0.7					
Bottom			3.9						1	23.4	8.0	23.1	7.2	96.7	3.5	0.3					
				2	23.4	8.0	23.1	7.2	96.7	3.5	0.3										
				7.2																	
				TCE-WQM4	Fine	Calm	5:30	4.2	Surface	1.0	1	23.1	8.0	23.4	7.6	101.5	5.4	0.3	7.6	5.9	0.6
									2	23.1	8.0	23.4	7.6	101.5	5.4	0.6					
Bottom			3.2						1	23.1	8.0	25.3	7.5	100.9	6.3	0.8					
				2	23.1	8.0	25.4	7.4	100.9	6.3	0.7										
				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)						
2023-04-19	Mid-Ebb	TCE-C1	Rainy	Rough	11:08	8.2	Surface	1.0	1	24.1	8.2	30.0	6.9	97.2	5.6	4.2	6.9	6.0	3.6						
									2	24.1	8.2	30.1	6.9	97.1	5.7	3.8									
							Middle	4.1	1	24.1	8.2	30.4	6.9	96.9	6.4	3.5									
									2	24.1	8.2	30.4	6.9	96.9	6.4	3.7									
							Bottom	7.2	1	24.1	8.2	30.4	6.9	97.0	6.0	3.0									
									2	24.1	8.2	30.3	6.9	97.1	5.8	3.3									
		TCE-C2	Cloudy	Rough	13:03	13.1	Surface	1.0	1	24.2	8.2	29.3	6.8	95.6	1.9	2.4	6.7	3.2	1.7						
									2	24.1	8.2	29.4	6.8	95.3	2.3	2.1									
							Middle	6.6	1	24.1	8.2	29.7	6.7	94.6	4.0	1.8									
									2	24.1	8.2	29.7	6.7	94.6	4.1	1.6									
							Bottom	12.1	1	24.1	8.2	29.7	6.8	95.4	3.6	1.1									
									2	24.1	8.2	29.6	6.8	95.6	3.5	1.2									
	TCE-WQM1	Rainy	Moderate	11:53	7.8	Surface	1.0	1	24.3	8.2	29.4	6.9	97.6	3.8	2.2	6.9	4.3	3.3							
								2	24.3	8.2	29.4	6.9	97.5	3.9	2.5										
						Middle	3.9	1	24.3	8.2	29.5	6.9	97.1	4.4	3.1										
								2	24.3	8.2	29.5	6.9	97.0	4.4	3.5										
						Bottom	6.8	1	24.3	8.2	29.5	6.9	97.0	4.6	4.0										
								2	24.3	8.2	29.5	6.9	97.0	5.0	4.3										
	TCE-WQM2a	Cloudy	Rough	12:23	6.9	Surface	1.0	1	24.2	8.2	29.4	6.7	94.7	1.1	0.7	6.7	1.4	1.1							
								2	24.2	8.2	29.4	6.7	94.7	1.1	0.5										
						Middle	3.5	1	24.1	8.2	29.8	6.6	93.6	1.5	1.2										
								2	24.1	8.2	29.8	6.6	93.6	1.5	1.1										
						Bottom	5.9	1	24.1	8.2	29.9	6.6	93.7	1.6	1.7										
								2	24.1	8.2	29.9	6.7	93.8	1.6	1.6										
TCE-WQM2b	Cloudy	Rough	12:34	10.9	Surface	1.0	1	24.2	8.1	28.8	6.7	94.1	3.4	0.9	6.7	3.6	1.3								
							2	24.2	8.1	28.8	6.7	94.1	3.5	0.7											
					Middle	5.5	1	24.2	8.1	28.8	6.7	93.9	3.7	1.1											
							2	24.2	8.1	28.8	6.7	93.9	3.7	1.5											
					Bottom	9.9	1	24.2	8.1	28.8	6.7	94.0	3.6	1.7											
							2	24.2	8.1	28.8	6.7	94.0	3.6	1.8											
TCE-WQM3A	Rainy	Moderate	12:14	4.0	Surface	1.0	1	24.2	8.1	29.1	6.6	93.5	2.2	3.8	6.6	3.8	3.3								
							2	24.2	8.1	29.1	6.6	93.4	2.4	3.8											
					Bottom	3.0	1	24.2	8.1	29.1	6.6	93.5	5.4	2.9											
							2	24.2	8.1	29.1	6.6	93.5	5.4	2.6											
					TCE-WQM4	Rainy	Moderate	12:04	3.1	Surface	1.0	1	24.5	8.2				29.0	6.8	95.9	1.3	3.6	6.8	3.4	3.4
											2	24.5	8.2	29.0				6.8	95.8	1.3	3.9				
Bottom	2.1	1	24.4	8.2	29.1					6.7	94.8	5.4	3.2												
		2	24.4	8.2	29.1					6.7	94.8	5.4	3.0												
TCE-C1	Cloudy	Rough	8:08	8.4	Surface					1.0	1	24.1	8.2	30.1	6.9	96.9	5.7	1.4	6.8	6.1	2.2				
										2	24.1	8.2	30.1	6.8	96.8	5.8	1.7								
Middle					4.2	1	24.1	8.2	30.4	6.8	96.4	6.1	2.1												
						2	24.1	8.2	30.4	6.8	96.4	6.1	2.4												
Bottom					7.4	1	24.1	8.2	30.3	6.8	96.2	6.0	2.8												
						2	24.1	8.2	30.2	6.8	96.2	6.5	3.0												
TCE-C2	Cloudy	Moderate	5:46	13.4	Surface	1.0	1	23.9	8.2	30.9	6.8	95.5	2.2	4.8	6.7	2.3	3.9								
							2	23.9	8.2	30.9	6.8	95.5	2.2	4.4											
					Middle	6.7	1	23.7	8.2	32.1	6.7	95.0	2.4	3.6											
							2	23.7	8.2	32.1	6.7	95.0	2.4	4.0											
					Bottom	12.4	1	23.7	8.2	32.3	6.7	94.9	2.5	3.5											
							2	23.7	8.2	32.3	6.7	94.9	2.4	3.2											
TCE-WQM1	Cloudy	Moderate	7:13	8.0	Surface	1.0	1	24.3	8.2	29.5	6.9	97.6	5.5	1.7	6.9	5.7	2.4								
							2	24.3	8.2	29.5	6.9	97.5	5.6	1.4											
					Middle	4.0	1	24.3	8.2	29.5	6.9	97.1	5.8	2.2											
							2	24.3	8.2	29.5	6.9	97.0	5.9	2.6											
					Bottom	7.0	1	24.3	8.2	29.5	6.9	96.9	5.7	3.1											
							2	24.3	8.2	29.5	6.9	96.9	5.9	3.4											
TCE-WQM2a	Cloudy	Moderate	6:31	7.1	Surface	1.0	1	24.3	8.2	29.0	6.8	96.1	0.9	5.0	6.8	1.1	4.0								
							2	24.3	8.2	29.0	6.8	96.1	0.9	4.6											
					Middle	3.6	1	24.1	8.2	29.8	6.7	94.8	1.1	4.3											
							2	24.1	8.2	29.8	6.7	94.8	1.1	3.8											
					Bottom	6.1	1	24.1	8.2	29.8	6.7	94.7	1.2	2.9											
							2	24.2	8.2	29.7	6.7	94.7	1.1	3.2											
TCE-WQM2b	Cloudy	Moderate	6:16	11.2	Surface	1.0	1	24.1	8.2	29.5	6.8	95.2	1.5	4.0	6.7	4.5	3.5								
							2	24.1	8.2	29.7	6.7	95.1	1.6	3.7											
					Middle	5.6	1	23.9	8.2	30.9	6.6	94.1	2.7	3.5											
							2	23.9	8.2	31.0	6.6	94.0	2.8	3.7											
					Bottom	10.2	1	24.0	8.2	30.2	6.7	94.4	9.4	2.9											
							2	24.0	8.2	30.0	6.7	94.5	9.1	3.3											
TCE-WQM3A	Cloudy	Moderate	6:49	4.6	Surface	1.0	1	24.5	8.2	29.1	6.8	96.2	3.1	3.8	6.8	3.6	3.1								
							2	24.5	8.2	29.1	6.8	96.1	3.2	3.4											
					Bottom	3.6	1	24.5	8.2	29.1	6.8	96.1	3.9	2.7											
							2	24.5	8.2	29.1	6.8	96.1	4.0	2.4											
					TCE-WQM4	Cloudy	Moderate	7:01	3.8	Surface	1.0	1	24.5	8.2				29.1	6.8	96.6	4.4	1.4	6.8	4.6	2.0
											2	24.5	8.2	29.1				6.8	96.6	4.4	1.3				
Bottom	2.8	1	24.5	8.2	29.1					6.8	96.4	4.7	2.4												
		2	24.5	8.2	29.1					6.8	96.4	4.7	2.4												
		2	24.5	8.2	29.1					6.8	96.4	5.0	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)								
2023-04-21	Mid-Ebb	TCE-C1	Misty	Calm	12:06	8.0	Surface	1.0	1	21.8	8.0	28.3	6.9	92.9	1.2	1.8	6.8	1.4	2.4								
									2	21.7	8.0	28.3	6.7	89.8	1.2	1.6											
							Middle	4.0	1	21.5	8.0	27.7	6.8	90.5	1.3	2.2											
									2	21.5	8.0	27.8	6.8	90.7	1.4	2.6											
							Bottom	7.0	1	21.5	8.0	27.8	6.9	91.6	1.5	3.4											
									2	21.5	8.0	27.8	6.9	92.0	1.5	3.0											
		TCE-C2	Misty	Calm	14:25	14.0	Surface	1.0	1	23.1	8.0	27.2	6.7	91.9	3.2	2.4	6.7	4.9	3.4								
									2	23.1	8.0	27.3	6.7	91.7	3.2	2.9											
							Middle	7.0	1	23.1	8.0	27.7	6.7	92.2	5.3	3.7											
									2	23.1	8.0	27.7	6.7	92.3	5.3	3.3											
							Bottom	13.0	1	23.1	8.0	27.6	6.8	93.0	6.0	3.8											
									2	23.1	8.0	27.6	6.8	93.2	6.0	4.2											
	TCE-WQM1	Misty	Calm	12:22	9.6	Surface	1.0	1	23.1	8.0	27.7	6.9	93.9	3.1	5.6	6.9	4.5	6.2									
								2	23.1	8.0	27.8	6.9	93.9	3.1	5.1												
						Middle	4.8	1	23.1	8.0	28.0	6.9	94.2	4.8	6.0												
								2	23.1	8.0	28.0	6.9	94.3	4.8	6.2												
						Bottom	8.6	1	23.3	8.0	27.9	6.9	94.9	5.6	7.0												
								2	23.3	8.0	27.8	7.1	97.9	5.6	7.4												
	TCE-WQM2a	Misty	Calm	13:48	7.6	Surface	1.0	1	23.2	8.0	27.1	6.7	91.1	1.1	2.9	6.6	1.8	2.3									
								2	23.2	8.0	27.1	6.7	91.1	1.1	2.7												
						Middle	3.8	1	23.1	8.0	27.8	6.6	90.9	1.2	2.0												
								2	23.1	8.0	27.9	6.6	90.9	1.2	2.4												
						Bottom	6.6	1	23.0	8.0	28.1	6.7	91.4	3.0	1.9												
								2	23.0	8.0	28.2	6.7	91.5	3.1	1.7												
TCE-WQM2b	Misty	Calm	14:01	11.2	Surface	1.0	1	23.2	8.0	26.8	6.7	91.8	3.0	4.9	6.7	4.3	8.6										
							2	23.2	8.0	26.9	6.7	91.7	3.1	4.2													
					Middle	5.6	1	23.1	8.0	27.2	6.7	92.0	4.2	10.4													
							2	23.1	8.0	27.2	6.8	92.2	4.2	9.8													
					Bottom	10.2	1	23.0	8.0	27.3	6.9	93.4	5.8	10.8													
							2	22.9	8.0	27.3	6.9	93.8	5.8	11.3													
TCE-WQM3A	Misty	Calm	13:37	4.6	Surface	1.0	1	23.1	8.0	26.8	6.8	92.3	1.5	3.4	6.8	1.8	2.9										
							2	23.1	8.0	26.9	6.8	92.4	1.6	3.1													
					Bottom	3.6	1	23.0	8.0	27.3	6.9	93.9	2.1	2.4													
							2	22.9	8.0	27.3	6.9	93.9	2.0	2.7													
					Bottom	3.0	1	23.1	8.0	26.9	6.8	92.7	2.3	3.1													
							2	23.1	8.0	26.9	6.8	92.9	2.4	3.6													
TCE-WQM4	Misty	Calm	13:26	4.0	Surface	1.0	1	23.2	8.0	26.9	6.8	92.7	2.3	3.1	6.8	3.1	3.8										
							2	23.1	8.0	26.9	6.8	92.9	2.4	3.6													
					Bottom	3.0	1	23.0	8.0	27.0	6.9	93.9	3.9	4.0													
							2	23.0	8.0	27.0	7.0	95.0	3.9	4.5													
					Bottom	3.0	1	22.9	8.0	27.0	7.0	95.0	3.9	4.5													
							2	22.9	8.0	27.0	7.0	95.0	3.9	4.5													
2023-04-21	Mid-Flood	TCE-C1	Misty	Calm	9:04	8.0	Surface	1.0	1	22.8	8.1	28.9	7.0	96.7	3.4	3.5	7.1	4.3	2.9								
									2	22.8	8.1	29.0	7.1	97.1	3.5	3.7											
							Middle	4.0	1	22.8	8.1	29.0	7.1	97.5	4.0	3.0											
									2	22.7	8.1	29.0	7.1	97.7	4.0	2.7											
							Bottom	7.0	1	22.7	8.1	29.1	7.2	98.1	5.5	2.4											
									2	22.6	8.1	29.1	7.2	98.4	5.4	2.1											
							TCE-C2	Misty	Calm	7:33	12.6	Surface	1.0	1	22.8	7.9				27.3	6.7	91.3	2.0	4.6	6.7	2.5	5.1
														2	22.8	7.9				27.3	6.7	91.3	2.0	4.2			
												Middle	6.3	1	22.8	7.9				26.9	6.7	91.3	2.2	5.3			
														2	22.8	7.9				26.9	6.7	91.3	2.2	5.0			
												Bottom	11.6	1	22.8	7.9				26.5	6.8	91.4	3.3	5.6			
														2	22.8	7.9				26.4	6.8	91.4	3.2	6.0			
		TCE-WQM1	Misty	Calm	8:44	9.0	Surface	1.0	1	23.2	8.0	27.1	6.8	92.4	3.1	3.5	6.8	4.2	2.9								
									2	23.1	8.0	27.2	6.8	92.4	3.1	3.2											
							Middle	4.5	1	23.1	8.0	27.8	6.8	92.5	4.6	3.0											
									2	23.1	8.0	27.8	6.8	92.5	4.5	2.7											
							Bottom	8.0	1	23.1	8.0	27.9	6.8	92.8	5.0	2.6											
									2	23.1	8.0	27.9	6.8	92.8	5.0	2.4											
		TCE-WQM2a	Misty	Calm	8:14	6.2	Surface	1.0	1	22.7	7.9	27.6	7.2	98.0	1.1	5.4	7.0	1.7	5.0								
									2	22.7	7.9	27.6	7.2	98.0	1.1	5.6											
							Middle	3.1	1	23.1	7.9	27.1	6.8	92.6	1.8	5.2											
									2	23.1	7.9	27.1	6.8	92.4	1.8	5.0											
							Bottom	5.2	1	23.0	7.9	27.2	6.8	92.1	2.0	4.4											
									2	23.0	7.9	27.2	6.7	92.0	2.1	4.1											
	TCE-WQM2b	Misty	Calm	8:03	11.2	Surface	1.0	1	23.0	7.9	28.4	6.8	93.9	1.1	5.5	6.9	1.2	4.9									
								2	22.9	7.9	28.7	6.9	94.1	1.1	5.8												
						Middle	5.6	1	22.9	7.9	28.9	6.9	94.4	1.1	5.1												
								2	22.9	7.9	29.1	6.9	94.5	1.1	4.8												
						Bottom	10.2	1	22.9	7.9	29.3	6.9	95.0	1.4	4.0												
								2	22.9	7.9	29.3	6.9	95.1	1.5	4.4												
	TCE-WQM3A	Misty	Calm	8:24	4.2	Surface	1.0	1	23.2	7.9	27.0	6.8	92.7	1.3	2.7	6.8	1.4	3.1									
								2	23.2	7.9	27.0	6.8	92.9	1.3	2.3												
						Bottom	3.2	1	22.9	7.9	27.3	7.2	97.5	1.4	3.4												
								2	22.8	7.9	27.4	7.2	97.7	1.5	3.8												
						Bottom	3.0	1	23.2	7.9	26.9	6.7	91.7	2.7	3.8												
								2	23.2	7.9	26.9	6.7	92.0	2.9	3.5												
	TCE-WQM4	Misty	Calm	8:32	4.0	Surface	1.0	1	23.2	7.9	27.0	6.8	92.3	3.2	2.9	6.7	3.0	3.4									
								2	23.2	7.9	27.0	6.8	92.3	3.2	2.9												
						Bottom	3.0	1	23.2	7.9	27.0	6.8	92.3	3.2	2.9												
								2	23.2	7.9	27.0	6.8	92.5	3.1	3.2												
						Bottom	3.0	1	23.2	7.9	27.0	6.8	92.3	3.2	2.9												
								2	23.2	7.9	27.0	6.8	92.5	3.1	3.2												

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)						
2023-04-24	Mid-Ebb	TCE-C1	Cloudy	Rough	14:01	7.9	Surface	1.0	1	24.4	8.1	29.9	6.7	94.5	6.4	0.9	6.5	5.7	1.2						
									2	24.4	8.1	29.9	6.7	94.5	6.5	0.9									
							Middle	4.0	1	24.4	8.1	29.9	6.2	88.2	5.0	1.2									
									2	24.4	8.1	29.9	6.2	88.2	5.1	1.1									
							Bottom	6.9	1	24.4	8.1	29.9	6.0	85.7	5.6	1.6									
									2	24.4	8.1	29.9	6.0	85.7	5.6	1.4									
		TCE-C2	Cloudy	Rough	16:13	13.1	Surface	1.0	1	24.1	8.1	31.0	6.3	88.9	2.1	1.6	6.1	2.8	1.2						
									2	24.1	8.1	31.0	6.3	88.9	2.2	1.6									
							Middle	6.6	1	23.8	8.1	32.5	6.0	85.1	3.3	1.4									
									2	23.8	8.1	32.5	6.0	85.1	3.3	1.2									
							Bottom	12.1	1	23.7	8.1	32.7	6.0	85.0	2.9	0.8									
									2	23.7	8.1	32.6	6.0	85.0	2.9	0.6									
	TCE-WQM1	Cloudy	Moderate	14:52	9.7	Surface	1.0	1	24.5	8.1	29.6	6.7	94.8	4.0	0.7	6.7	5.6	1.1							
								2	24.5	8.1	29.6	6.7	94.8	4.0	0.9										
						Middle	4.9	1	24.5	8.1	29.6	6.7	94.6	5.4	1.1										
								2	24.5	8.1	29.6	6.7	94.6	5.5	1.2										
						Bottom	8.7	1	24.4	8.1	29.6	6.1	86.9	7.2	1.5										
								2	24.4	8.1	29.6	6.1	86.9	7.3	1.4										
	TCE-WQM2a	Cloudy	Moderate	15:32	7.2	Surface	1.0	1	24.3	8.1	29.2	6.6	93.7	1.3	0.9	6.4	3.8	1.2							
								2	24.3	8.1	29.2	6.6	93.7	1.3	0.6										
						Middle	3.6	1	24.1	8.1	30.4	6.2	88.2	3.4	1.3										
								2	24.1	8.1	30.4	6.2	88.2	3.5	1.2										
						Bottom	6.2	1	23.9	8.1	31.6	6.1	86.8	6.7	1.6										
								2	23.9	8.1	31.6	6.1	86.9	6.7	1.8										
TCE-WQM2b	Cloudy	Rough	15:48	9.8	Surface	1.0	1	24.3	8.1	29.2	6.6	93.8	1.3	0.8	6.5	3.1	1.3								
							2	24.3	8.1	29.2	6.6	93.8	1.3	0.9											
					Middle	4.9	1	24.1	8.1	30.3	6.3	88.6	2.4	1.4											
							2	24.1	8.1	30.3	6.3	88.7	2.4	1.2											
					Bottom	8.8	1	23.9	8.1	31.3	6.2	87.6	5.8	1.6											
							2	23.9	8.1	31.3	6.2	87.6	5.8	1.8											
TCE-WQM3A	Cloudy	Moderate	15:18	4.7	Surface	1.0	1	24.2	8.1	29.7	6.4	90.8	1.8	2.4	6.4	2.6	1.9								
							2	24.2	8.1	29.7	6.4	90.8	1.8	2.1											
					Bottom	3.7	1	24.0	8.1	30.9	6.3	88.8	3.5	1.5											
							2	24.0	8.1	30.9	6.3	88.9	3.5	1.6											
					TCE-WQM4	1.0	1	24.5	8.1	29.6	6.7	94.4	2.2	1.1				6.7	2.5	1.5					
							2	24.5	8.1	29.6	6.7	94.4	2.2	1.3											
Bottom	3.1	1	24.5	8.1	29.6	6.3	89.2	2.8	1.6																
		2	24.5	8.1	29.6	6.3	89.2	2.8	1.8																
2023-04-24	Mid-Flood	TCE-C1	Fine	Rough	9:33	8.2	Surface	1.0	1	24.4	8.1	29.9	6.5	92.2	5.1	0.6	6.5				6.8	1.3			
									2	24.4	8.1	29.9	6.5	92.2	5.1	0.8									
							Middle	4.1	1	24.4	8.1	29.9	6.5	92.0	6.7	1.2									
									2	24.4	8.1	29.9	6.5	92.0	6.7	1.5									
							Bottom	7.2	1	24.3	8.1	30.0	6.5	91.7	8.7	1.8									
									2	24.3	8.1	30.0	6.5	91.7	8.7	1.6									
		TCE-C2	Fine	Moderate	7:16	13.9	Surface	1.0	1	23.9	8.1	31.9	6.2	88.1	2.8	1.8	6.1	3.7	1.3						
									2	23.9	8.1	31.9	6.2	88.1	2.8	1.6									
							Middle	7.0	1	23.7	8.1	32.9	6.1	86.3	4.0	1.4									
									2	23.7	8.1	32.9	6.1	86.3	4.0	1.2									
							Bottom	12.9	1	23.7	8.1	33.0	6.1	86.5	4.2	0.9									
									2	23.7	8.1	33.0	6.1	86.5	4.2	0.8									
	TCE-WQM1	Fine	Moderate	8:37	10.2	Surface	1.0	1	24.3	8.1	29.5	6.5	91.2	2.2	1.8	6.4	2.5	1.3							
								2	24.3	8.1	29.5	6.5	91.2	2.2	1.6										
						Middle	5.1	1	24.2	8.1	29.5	6.4	90.7	2.4	1.4										
								2	24.2	8.1	29.5	6.4	90.7	2.4	1.1										
						Bottom	9.2	1	24.2	8.1	29.6	6.5	91.4	2.8	0.9										
								2	24.2	8.1	29.6	6.5	91.4	2.9	0.9										
	TCE-WQM2a	Fine	Moderate	7:55	7.2	Surface	1.0	1	24.3	8.1	29.3	6.5	91.7	1.7	0.9	6.4	2.9	1.2							
								2	24.3	8.1	29.3	6.5	91.7	1.7	0.8										
						Middle	3.6	1	24.2	8.1	29.6	6.3	89.5	3.0	1.1										
								2	24.2	8.1	29.6	6.3	89.4	3.1	1.2										
						Bottom	6.2	1	24.2	8.1	29.7	6.3	88.9	3.9	1.4										
								2	24.2	8.1	29.7	6.3	88.9	3.9	1.5										
TCE-WQM2b	Fine	Moderate	7:41	10.4	Surface	1.0	1	24.3	8.1	29.5	6.5	91.7	1.6	1.4	6.5	2.6	1.8								
							2	24.3	8.1	29.5	6.5	91.7	1.7	1.2											
					Middle	5.2	1	24.2	8.1	29.6	6.4	90.6	2.0	1.8											
							2	24.2	8.1	29.6	6.4	90.5	1.9	1.6											
					Bottom	9.4	1	24.0	8.1	31.3	6.1	86.2	4.3	2.4											
							2	24.0	8.1	31.3	6.1	86.3	4.3	2.1											
TCE-WQM3A	Fine	Moderate	8:09	5.8	Surface	1.0	1	24.3	8.1	29.2	6.5	92.0	1.7	1.1	6.5	1.9	1.4								
							2	24.3	8.1	29.3	6.5	91.9	1.8	1.2											
					Bottom	4.8	1	24.2	8.1	29.6	6.5	91.4	2.1	1.7											
							2	24.2	8.1	29.6	6.5	91.4	2.1	1.6											
					TCE-WQM4	Fine	Moderate	8:23	4.9	Surface	1.0	1	24.3	8.1				29.2	6.6	93.6	1.5	1.8	6.6	1.9	1.4
												2	24.3	8.1				29.2	6.6	93.5	1.5	1.5			
Bottom	3.9	1	24.2	8.1						29.5	6.6	92.7	2.2	1.1											
		2	24.2	8.1						29.5	6.6	92.7	2.2	1.1											
		2	24.2	8.1						29.5	6.6	92.7	2.3	1.3											

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)	
2023-04-26	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:27	8.2	Surface	1.0	1	23.6	8.2	32.8	6.4	91.6	8.2	3.8	6.4	9.8	3.9	
									2	23.6	8.2	32.7	6.4	91.4	8.5	4.0				
							Middle	4.1	1	23.5	8.2	34.8	6.3	90.8	8.4	3.8				
									2	23.5	8.2	34.8	6.3	90.8	8.4	3.3				
							Bottom	7.2	1	23.5	8.2	34.7	6.3	90.9	12.6	3.6				
									2	23.5	8.2	34.7	6.3	91.0	12.8	4.8				
		TCE-C2	Cloudy	Moderate	17:25	12.6	Surface	1.0	1	24.1	8.2	28.4	7.0	98.4	0.9	1.7	6.7	2.8	1.9	
									2	24.1	8.2	28.4	7.0	98.4	0.9	1.6				
							Middle	6.3	1	23.6	8.2	33.0	6.5	91.8	1.4	1.8				
									2	23.6	8.2	33.0	6.5	91.8	1.5	2.6				
							Bottom	11.6	1	23.7	8.2	33.0	6.5	92.5	6.0	1.8				
									2	23.7	8.2	32.9	6.5	92.8	6.3	1.7				
	TCE-WQM1	Cloudy	Moderate	16:07	8.5	Surface	1.0	1	23.8	8.2	28.6	6.6	92.6	3.6	3.1	6.4	4.2	3.0		
								2	23.8	8.2	28.6	6.6	92.2	3.8	3.5					
						Middle	4.3	1	23.7	8.2	31.3	6.2	88.3	4.5	2.3					
								2	23.7	8.2	31.4	6.2	88.2	4.6	2.9					
						Bottom	7.5	1	23.7	8.2	31.8	6.2	88.3	4.3	2.6					
								2	23.7	8.2	31.8	6.2	88.3	4.3	3.3					
	TCE-WQM2a	Cloudy	Moderate	16:40	7.2	Surface	1.0	1	24.0	8.2	28.9	6.6	91.9	1.2	1.8	6.3	1.8	1.8		
								2	24.0	8.2	28.9	6.6	91.9	1.2	2.0					
						Middle	3.6	1	23.6	8.2	32.8	6.1	87.5	2.0	1.8					
								2	23.6	8.2	32.8	6.1	87.4	2.1	1.4					
						Bottom	6.2	1	23.6	8.2	32.9	6.1	87.1	2.0	1.9					
								2	23.6	8.2	32.8	6.1	87.2	2.0	1.6					
TCE-WQM2b	Cloudy	Moderate	16:51	11.9	Surface	1.0	1	24.0	8.2	28.9	6.8	94.7	1.2	1.1	6.4	2.0	1.7			
							2	24.0	8.2	28.9	6.8	94.7	1.2	1.6						
					Middle	6.0	1	23.5	8.2	33.1	6.1	87.3	2.9	1.6						
							2	23.5	8.2	33.1	6.2	87.6	2.8	2.5						
					Bottom	10.9	1	23.7	8.2	32.9	6.3	89.3	2.2	1.9						
							2	23.7	8.2	32.7	6.3	89.8	2.0	1.6						
TCE-WQM3A	Cloudy	Moderate	16:26	4.1	Surface	1.0	1	24.1	8.1	28.5	6.5	91.0	6.9	1.7	6.5	6.9	1.0			
							2	24.1	8.1	28.5	6.5	91.1	7.0	1.0						
					Bottom	3.1	1	24.0	8.1	28.6	6.5	91.4	6.8	0.7						
							2	24.0	8.1	28.6	6.8	95.0	6.9	0.7						
					Surface	1.0	1	24.1	8.2	27.7	7.0	98.1	1.2	1.7				7.0	5.4	2.5
							2	24.1	8.2	27.7	7.1	98.2	1.2	2.3						
Bottom	2.4	1	24.0	8.2	27.7	7.1	98.4	9.6	2.8											
		2	24.0	8.2	27.7	7.1	98.5	9.7	3.2											
Surface	1.0	1	23.6	8.2	31.4	6.8	95.8	6.7	2.6	6.6	8.1	3.3								
		2	23.6	8.2	31.4	6.8	95.8	6.7	3.3											
Middle	4.4	1	23.5	8.2	34.8	6.4	92.1	9.5	4.1											
		2	23.5	8.2	34.8	6.4	92.2	10.0	3.8											
Bottom	7.8	1	23.5	8.2	34.7	6.5	93.0	7.8	2.2											
		2	23.5	8.2	34.7	6.5	93.2	8.0	4.0											
TCE-C2	Cloudy	Moderate	4:18	13.0	Surface	1.0	1	23.5	8.2	32.7	6.2	87.6	1.6	2.3	6.1	2.9	2.2			
							2	23.5	8.2	32.8	6.2	87.6	1.7	1.9						
					Middle	6.5	1	23.4	8.2	34.1	6.1	86.6	3.2	1.9						
							2	23.4	8.2	34.1	6.1	86.6	3.4	2.1						
					Bottom	12.0	1	23.4	8.2	34.2	6.1	86.9	3.8	2.2						
							2	23.4	8.2	34.2	6.1	87.0	3.7	2.7						
TCE-WQM1	Cloudy	Moderate	5:38	8.5	Surface	1.0	1	23.8	8.1	29.1	6.4	89.4	2.9	2.2	6.3	3.0	1.9			
							2	23.8	8.1	29.4	6.4	89.3	3.0	1.9						
					Middle	4.3	1	23.8	8.1	30.3	6.3	88.2	3.2	1.9						
							2	23.8	8.1	30.4	6.3	88.1	3.2	1.4						
					Bottom	7.5	1	23.8	8.1	30.9	6.2	88.1	3.0	1.6						
							2	23.8	8.2	30.9	6.2	88.2	2.9	2.4						
TCE-WQM2a	Cloudy	Moderate	5:06	7.7	Surface	1.0	1	23.9	8.1	28.5	6.4	89.9	1.7	1.4	6.2	2.1	1.8			
							2	23.9	8.1	28.5	6.4	89.9	1.7	1.9						
					Middle	3.9	1	23.8	8.1	32.1	5.9	84.2	2.2	2.2						
							2	23.8	8.1	32.2	5.9	84.2	2.3	1.5						
					Bottom	6.7	1	23.8	8.1	32.4	6.0	85.8	2.3	1.9						
							2	23.8	8.1	32.4	6.0	85.8	2.3	1.7						
TCE-WQM2b	Cloudy	Moderate	4:54	10.3	Surface	1.0	1	23.8	8.2	28.3	6.7	92.7	1.7	1.7	6.3	3.0	2.5			
							2	23.8	8.2	28.3	6.7	92.6	1.8	2.3						
					Middle	5.2	1	23.6	8.2	32.5	6.0	85.2	3.6	2.0						
							2	23.6	8.2	32.6	6.0	85.2	3.6	2.1						
					Bottom	9.3	1	23.6	8.2	32.7	6.1	86.1	3.8	3.5						
							2	23.6	8.2	32.7	6.1	86.2	3.6	3.3						
TCE-WQM3A	Cloudy	Moderate	5:17	4.5	Surface	1.0	1	23.9	8.1	27.4	6.6	91.9	3.9	2.2	6.6	5.9	2.6			
							2	24.0	8.1	27.5	6.6	91.6	4.2	2.4						
					Bottom	3.5	1	23.8	8.2	28.2	6.5	89.9	8.0	2.5						
							2	23.7	8.2	28.2	6.5	90.3	7.6	3.2						
					Surface	1.0	1	24.0	8.1	27.7	6.7	93.8	1.1	1.4				6.7	1.3	1.6
							2	24.0	8.1	27.7	6.7	93.8	1.1	2.0						
Bottom	3.0	1	24.0	8.1	29.1	6.5	91.3	1.4	1.4											
		2	24.0	8.1	29.2	6.5	91.2	1.5	1.5											

