

Annex G3

Monitoring Results for Water Quality

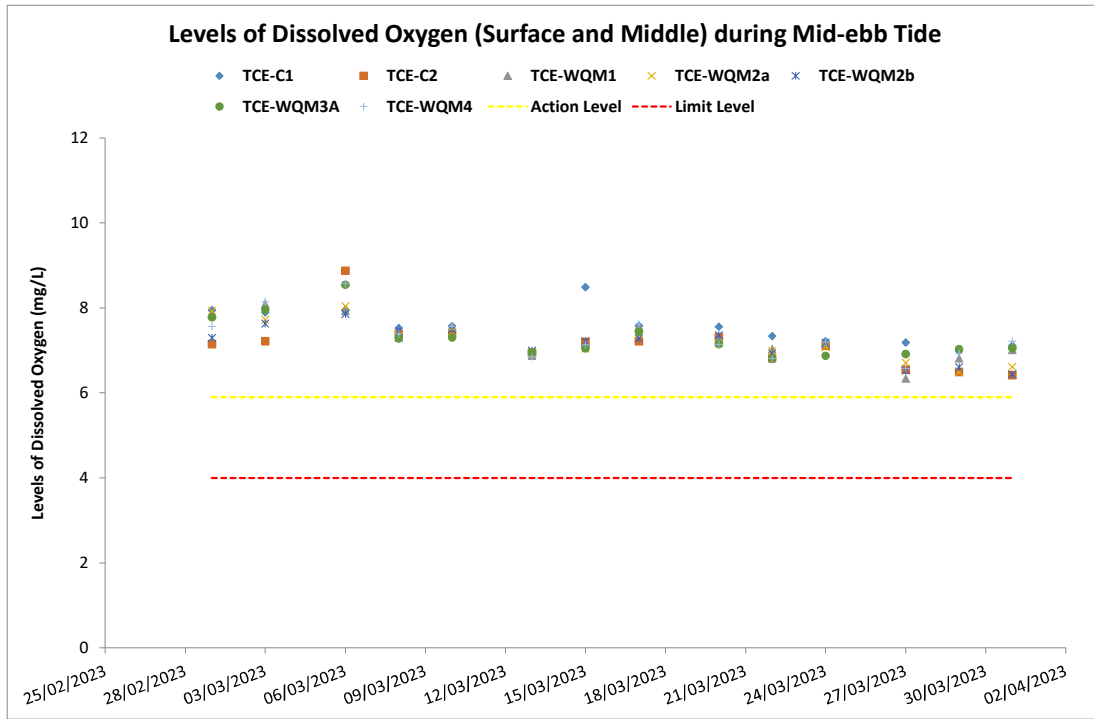


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2023

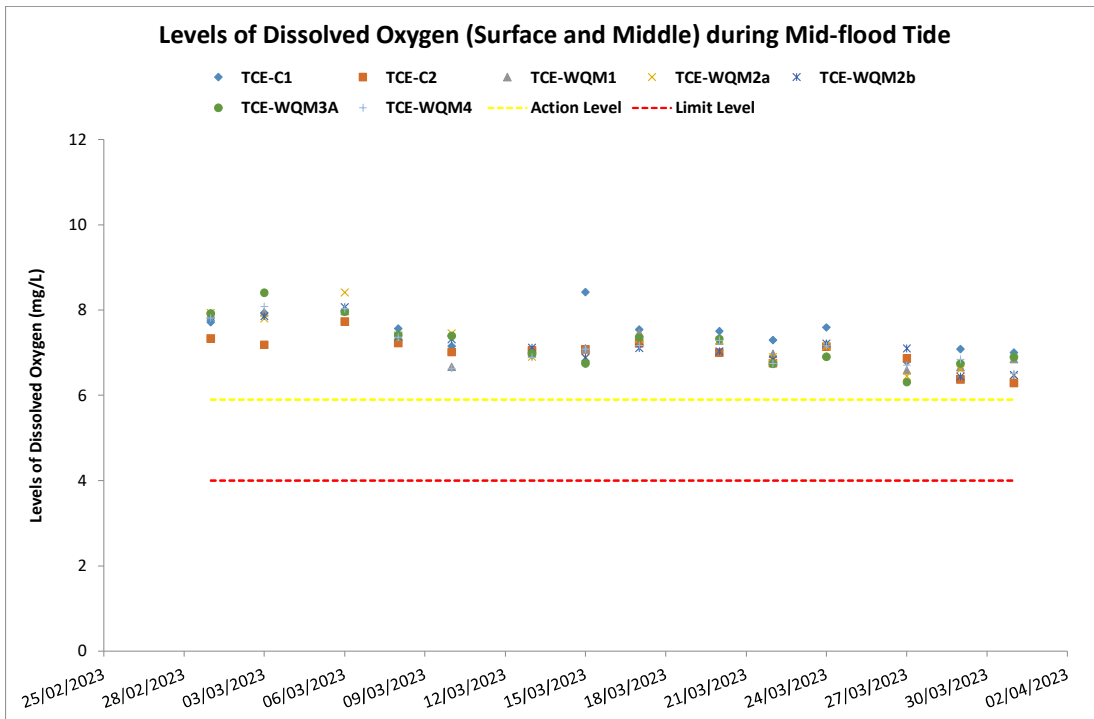


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2023

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

**Environmental
 Resources
 Management**



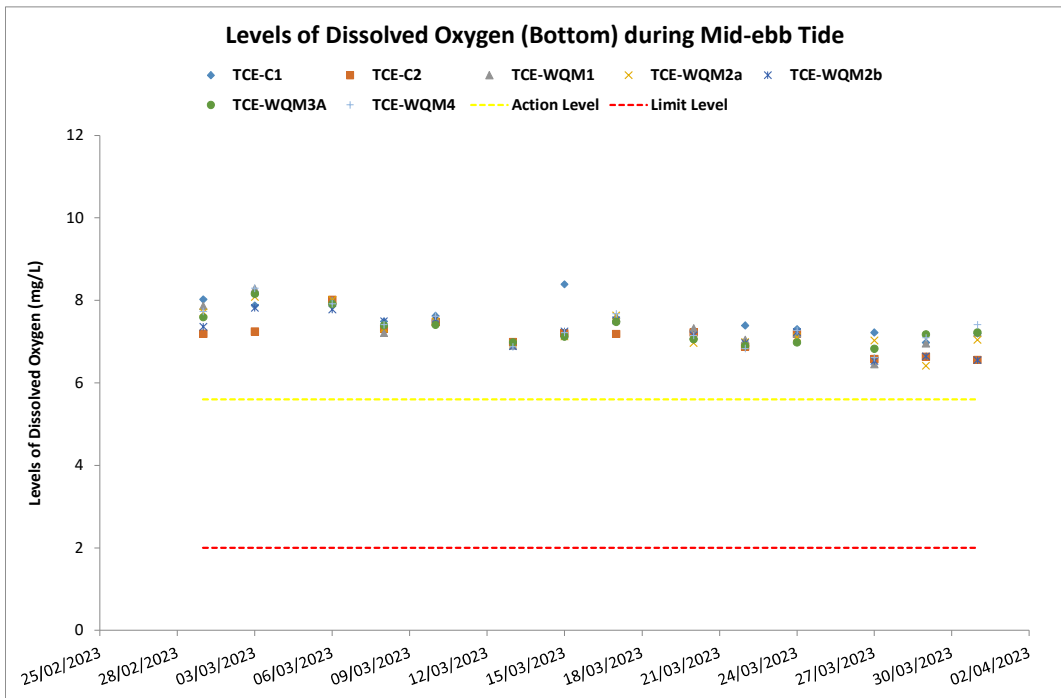


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2023

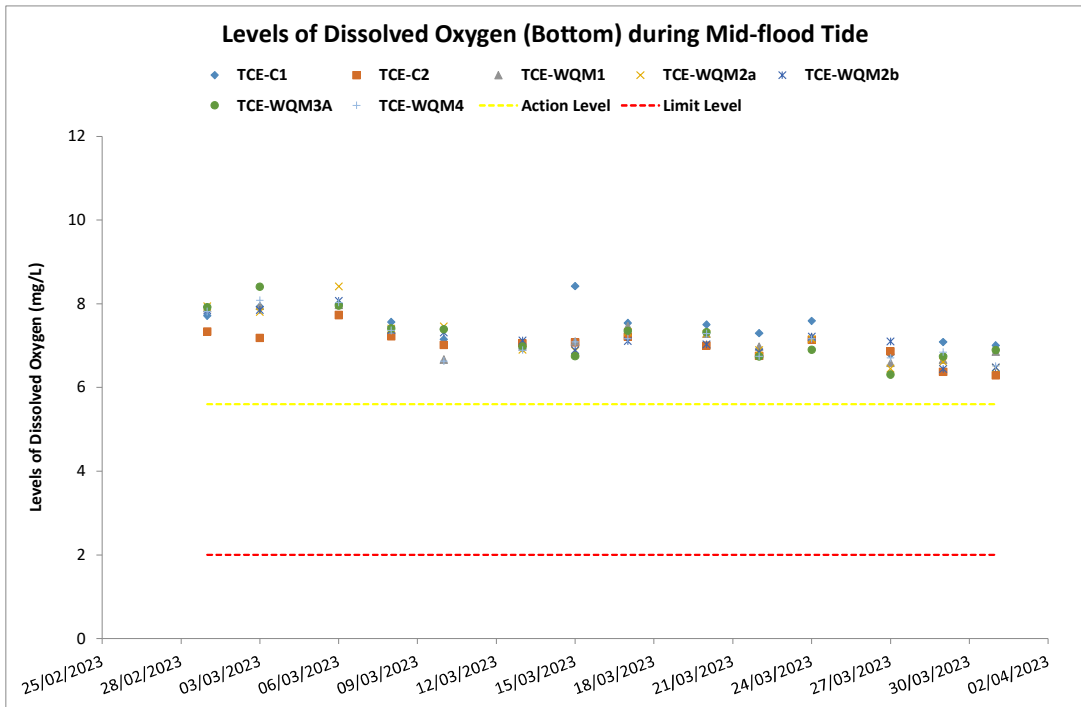


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2023

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

**Environmental
 Resources
 Management**



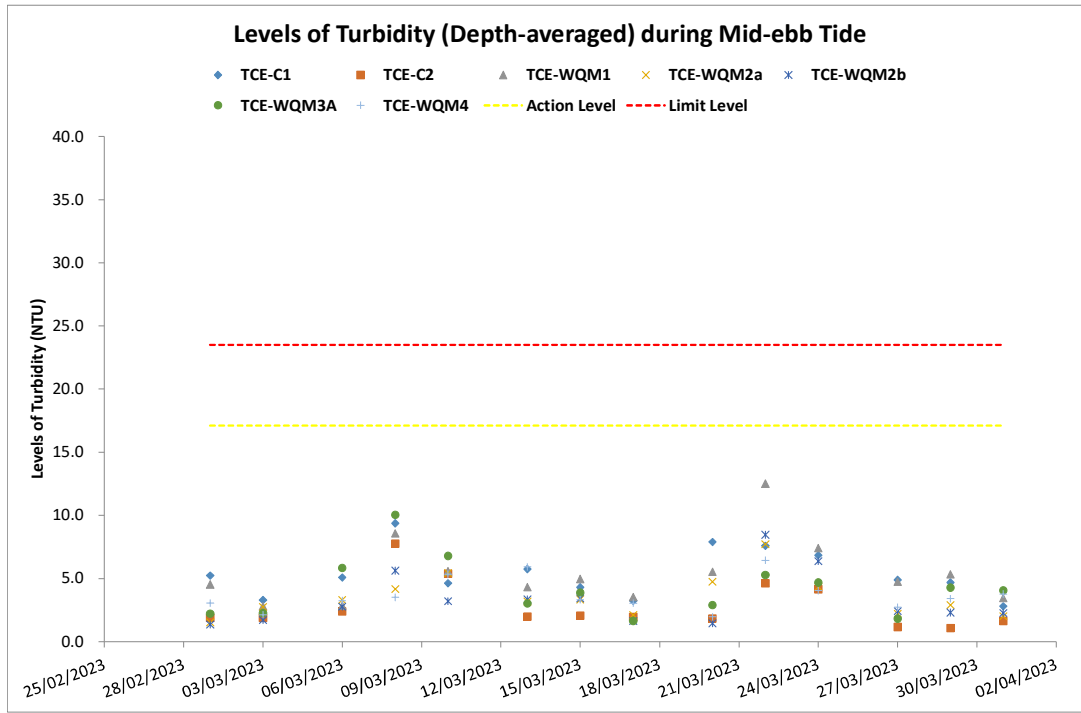


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2023

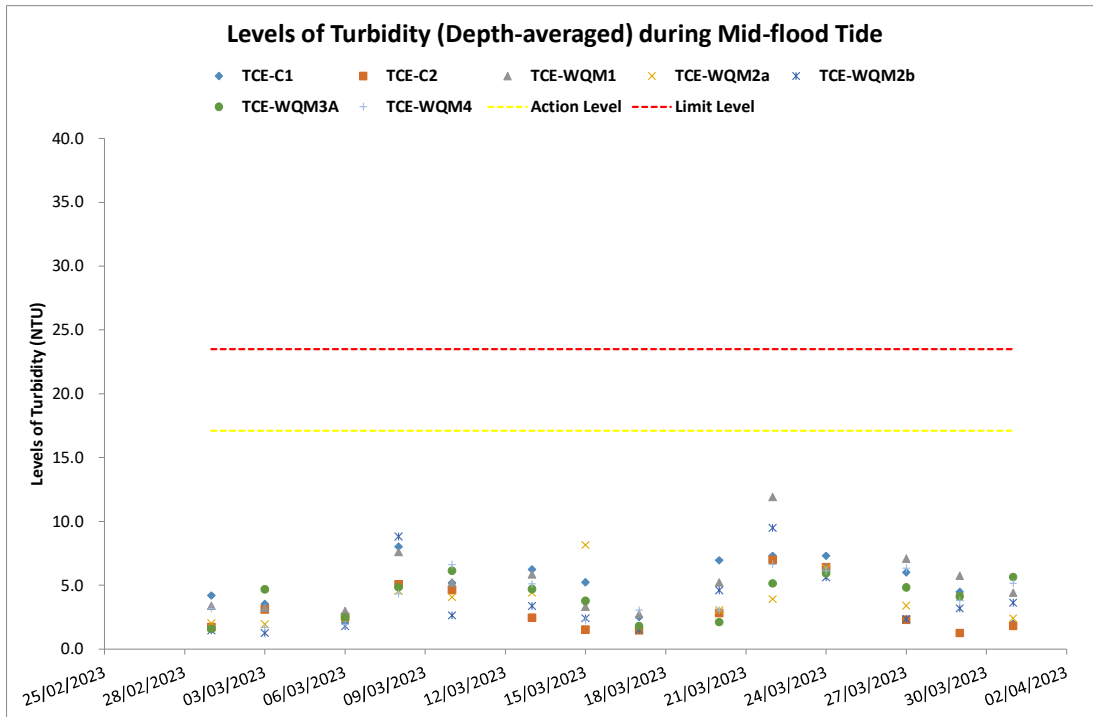


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2023

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

**Environmental
 Resources
 Management**



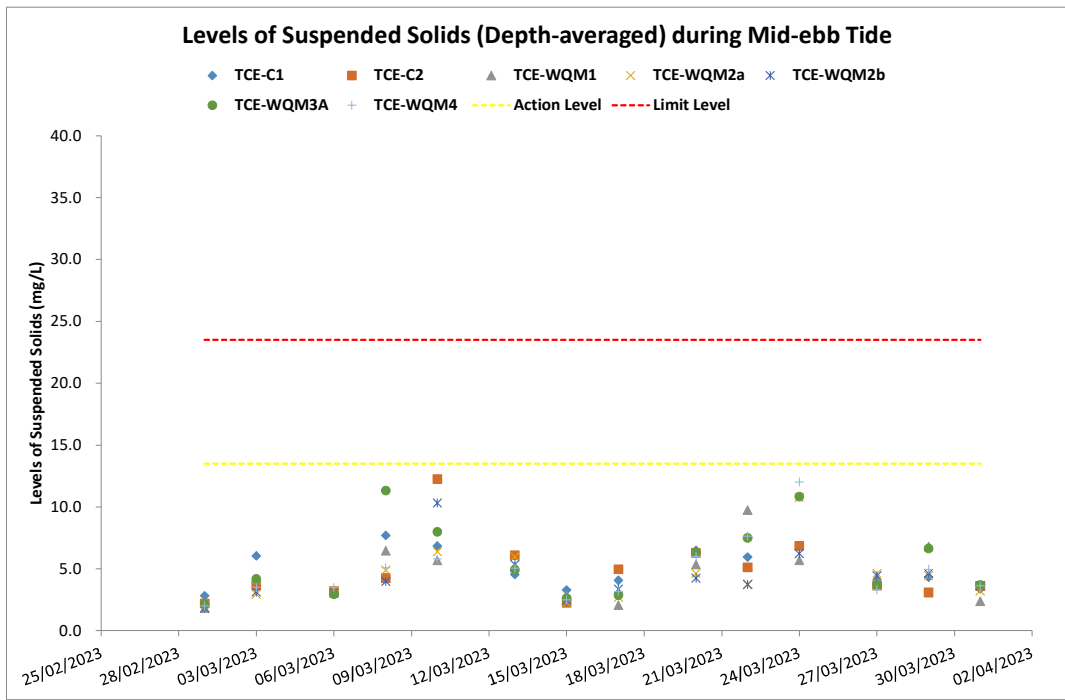


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 March 2023

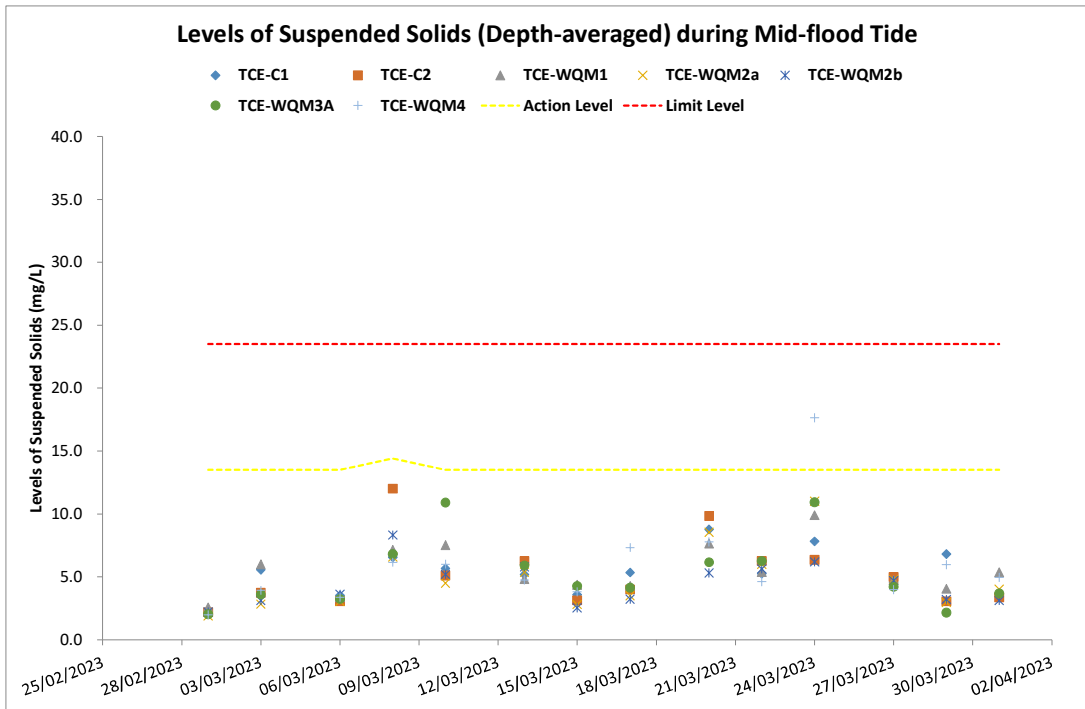


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 March 2023

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

**Environmental
 Resources
 Management**



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)
2023-03-01	Mid-Ebb	TCE-C1	Fine	Calm	19:50	8.0	Surface	1.0	1	18.3	8.1	32.3	8.0	100.9	4.3	2.0	7.9	5.2	2.8
									2	18.3	8.1	32.3	7.9	101.0	4.4	2.4			
							Middle	4.0	1	18.3	8.1	32.4	7.9	101.4	5.3	2.8			
									2	18.3	8.1	32.4	8.0	101.6	5.3	2.5			
							Bottom	7.0	1	18.3	8.1	32.4	8.0	102.5	6.1	3.8			
									2	18.3	8.1	32.4	8.0	102.8	6.1	3.4			
		TCE-C2	Fine	Calm	21:11	13.4	Surface	1.0	1	18.3	7.9	32.2	7.1	92.1	1.2	1.9	7.1	1.9	2.2
									2	18.3	7.9	32.2	7.1	92.1	1.2	1.6			
							Middle	6.7	1	18.3	7.9	32.3	7.2	92.2	2.1	2.2			
									2	18.3	7.9	32.3	7.2	92.3	2.2	2.2			
							Bottom	12.4	1	18.4	7.9	32.2	7.2	92.8	2.4	2.8			
									2	18.4	7.9	32.2	7.2	92.8	2.4	2.5			
	TCE-WQM1	Fine	Calm	20:08	9.2	Surface	1.0	1	18.2	8.0	32.3	7.9	99.3	4.0	1.3	7.9	4.5	1.8	
								2	18.2	8.0	32.3	7.8	99.6	4.0	1.5				
						Middle	4.6	1	18.2	8.0	32.3	7.8	100.2	4.6	1.9				
								2	18.2	8.0	32.4	7.9	100.4	4.5	1.8				
						Bottom	8.2	1	18.2	8.0	32.4	7.9	100.8	5.1	2.2				
								2	18.2	8.0	32.4	7.8	100.8	5.1	2.3				
	TCE-WQM2a	Fine	Calm	20:39	6.2	Surface	1.0	1	18.1	7.9	31.9	7.9	100.8	1.0	1.6	7.9	1.5	1.9	
								2	18.1	7.9	31.9	7.9	100.8	1.0	1.7				
						Middle	3.1	1	17.8	8.0	32.1	8.0	101.5	1.1	1.8				
								2	17.8	8.0	32.1	8.0	101.5	1.1	1.6				
						Bottom	5.2	1	18.5	7.9	31.3	7.7	99.0	2.4	2.4				
								2	18.5	7.9	31.3	7.7	99.3	2.5	2.1				
TCE-WQM2b	Fine	Calm	20:49	12.6	Surface	1.0	1	18.2	7.9	31.9	7.3	93.6	1.0	1.3	7.3	1.4	1.8		
							2	18.2	7.9	31.9	7.3	93.6	1.0	1.4					
					Middle	6.3	1	18.3	7.9	31.8	7.3	93.8	1.4	1.6					
							2	18.3	7.9	31.8	7.3	93.9	1.5	1.8					
					Bottom	11.6	1	18.4	7.9	31.7	7.4	94.6	1.6	2.6					
							2	18.4	7.9	31.7	7.4	94.7	1.6	2.2					
TCE-WQM3A	Fine	Calm	20:29	4.2	Surface	1.0	1	18.7	7.9	31.3	7.8	100.1	1.8	2.3	7.8	2.2	2.1		
							2	18.7	7.9	31.2	7.8	100.3	1.7	2.6					
					Bottom	3.2	1	18.2	7.9	31.9	7.6	96.7	2.7	1.7					
							2	18.2	7.9	31.9	7.5	96.8	2.7	1.9					
					TCE-WQM4	1.0	1	18.2	7.9	31.9	7.6	97.0	2.8	1.8					
							2	18.2	7.9	31.9	7.6	97.1	2.9	1.6					
2023-03-01	Mid-Flood	TCE-C1	Misty	Calm	10:30	8.4	Surface	1.0	1	18.2	8.0	32.3	7.7	97.9	3.4	1.4	7.7	4.2	2.1
									2	18.2	8.0	32.3	7.7	97.9	3.5	1.8			
							Middle	4.2	1	18.2	8.0	32.4	7.7	98.1	4.1	2.0			
									2	18.2	8.0	32.4	7.7	98.1	4.1	2.3			
							Bottom	7.4	1	18.1	8.0	32.5	7.8	98.3	5.0	2.8			
									2	18.1	8.0	32.5	7.8	98.3	5.0	2.5			
		TCE-C2	Misty	Calm	8:56	12.2	Surface	1.0	1	18.2	8.0	31.6	7.2	92.3	1.2	1.8	7.3	1.7	2.2
									2	18.2	8.0	31.6	7.2	92.4	1.1	1.6			
							Middle	6.1	1	18.2	8.0	31.5	7.5	94.3	2.0	2.3			
									2	18.2	8.0	31.5	7.5	94.4	2.0	2.1			
							Bottom	11.2	1	18.3	8.0	31.3	7.5	96.0	2.1	2.5			
									2	18.3	8.0	31.2	7.5	96.2	2.1	2.8			
	TCE-WQM1	Misty	Calm	10:01	7.2	Surface	1.0	1	18.2	8.0	32.3	7.9	99.8	2.6	1.8	7.9	3.4	2.6	
								2	18.2	8.0	32.3	7.9	99.9	2.6	1.5				
						Middle	3.6	1	18.2	8.1	32.4	7.9	100.6	3.3	2.4				
								2	18.2	8.1	32.4	7.9	100.8	3.4	2.7				
						Bottom	6.2	1	18.2	8.1	32.4	8.0	101.5	4.2	3.6				
								2	18.2	8.1	32.4	8.0	101.9	4.2	3.4				
	TCE-WQM2a	Misty	Calm	9:30	7.0	Surface	1.0	1	18.2	8.0	31.5	7.9	99.9	1.3	2.7	7.9	2.0	1.9	
								2	18.2	8.0	31.5	7.9	99.9	1.3	2.4				
						Middle	3.5	1	18.2	8.0	31.6	8.0	100.7	1.8	1.9				
								2	18.2	8.0	31.6	8.0	100.8	1.8	1.7				
						Bottom	6.0	1	18.2	8.0	31.7	8.0	101.7	2.9	1.2				
								2	18.2	8.0	31.7	8.1	102.3	3.0	1.4				
TCE-WQM2b	Misty	Calm	9:19	11.6	Surface	1.0	1	18.2	8.0	31.6	7.8	98.5	1.1	1.8	7.8	1.5	2.2		
							2	18.2	8.0	31.6	7.8	98.5	1.0	1.7					
					Middle	5.8	1	18.2	8.0	31.7	7.9	99.8	1.2	2.1					
							2	18.2	8.0	31.7	7.9	99.8	1.2	2.3					
					Bottom	10.6	1	18.2	8.0	31.6	8.0	100.9	2.2	2.8					
							2	18.2	8.0	31.6	8.0	101.0	2.1	2.5					
TCE-WQM3A	Misty	Calm	9:40	5.0	Surface	1.0	1	18.2	8.0	31.6	7.9	100.0	1.4	1.9	7.9	1.6	2.0		
							2	18.1	8.0	31.7	7.9	100.1	1.4	1.6					
					Bottom	4.0	1	18.0	8.1	31.6	8.0	100.7	1.8	2.2					
							2	18.0	8.1	31.6	8.0	100.9	1.8	2.4					
					TCE-WQM4	1.0	1	18.2	8.0	31.9	7.7	97.5	2.5	2.3					
							2	18.2	8.0	31.9	7.9	100.5	2.6	2.1					
TCE-WQM4	Misty	Calm	9:49	4.8	Surface	1.0	1	18.2	8.0	32.0	8.0	101.2	3.8	1.8	8.0	3.2	2.0		
							2	18.2	8.0	32.0	8.0	101.2	3.8	1.8					
					Bottom	3.8	1	18.2	8.0	32.0	8.0	101.2	3.8	1.8					
							2	18.2	8.0	32.0	8.0	101.4	3.9	1.7					

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)							
2023-03-03	Mid-Ebb	TCE-C1	Fine	Calm	21:44	8.0	Surface	1.0	1	18.7	7.9	31.0	7.9	100.3	2.6	6.6	7.9	3.3	6.1							
									2	18.7	7.9	31.0	7.9	100.2	2.6	6.9										
							Middle	4.0	1	18.6	7.9	31.1	7.9	99.9	3.0	6.2										
								2	18.6	7.9	31.1	7.9	99.9	3.1	5.8											
		Bottom					7.0	1	18.6	7.9	31.1	7.9	99.8	4.3	5.2											
								2	18.6	7.9	31.1	7.9	99.8	4.3	5.6											
		TCE-C2	Fine	Calm	23:05	13.6	Surface	1.0	1	18.4	7.8	32.3	7.2	91.8	1.2	3.2	7.2	1.9	3.7							
								2	18.4	7.8	32.3	7.2	91.8	1.2	2.9											
	Middle						6.8	1	18.4	7.8	32.3	7.2	91.8	1.8	3.6											
							2	18.4	7.8	32.3	7.2	91.9	1.9	3.8												
	Bottom	12.6					1	18.4	7.8	32.3	7.2	92.0	2.7	4.4												
							2	18.4	7.8	32.3	7.3	92.4	2.6	4.0												
		TCE-WQM1	Fine	Calm	22:02	10.0	Surface	1.0	1	18.5	8.1	31.4	8.0	101.9	1.9	4.6	8.1	2.8	4.2							
								2	18.5	8.1	31.4	8.0	102.0	1.9	4.5											
	Middle						5.0	1	18.5	8.1	31.2	8.1	103.0	2.5	4.3											
							2	18.5	8.1	31.2	8.2	103.2	2.6	4.1												
	Bottom	9.0					1	18.4	8.1	31.2	8.3	104.5	4.0	3.7												
							2	18.4	8.2	31.2	8.3	104.7	4.0	3.8												
		TCE-WQM2a	Fine	Calm	22:33	7.0	Surface	1.0	1	18.5	8.1	32.0	7.7	98.4	1.8	3.9	7.7	2.8	2.9							
								2	18.5	8.1	32.0	7.7	98.4	1.8	3.4											
	Middle						3.5	1	18.5	8.2	32.0	7.7	98.0	2.9	3.1											
							2	18.5	8.2	32.0	7.7	98.4	2.8	2.7												
	Bottom	6.0					1	18.5	8.2	32.0	8.1	102.6	3.7	2.1												
							2	18.5	8.2	31.9	8.1	103.1	3.7	2.4												
	TCE-WQM2b	Fine	Calm	22:43	12.8	Surface	1.0	1	18.4	8.0	32.2	7.6	96.5	1.1	2.4	7.6	1.7	3.1								
							2	18.4	8.0	32.2	7.6	96.5	1.1	2.8												
Middle						6.4	1	18.4	8.0	32.2	7.7	97.4	1.9	3.2												
						2	18.4	8.0	32.2	7.7	97.7	2.0	3.0													
Bottom	11.8					1	18.4	8.0	32.1	7.8	99.0	2.1	3.6													
						2	18.4	8.0	32.0	7.9	99.8	2.1	3.8													
	TCE-WQM3A	Fine	Calm	22:23	4.2	Surface	1.0	1	18.5	8.1	31.3	8.0	100.8	1.9	3.9	8.0	2.3	4.2								
							2	18.5	8.1	31.3	8.0	101.0	1.9	3.5												
Bottom						3.2	1	18.5	8.1	31.4	8.1	103.2	2.7	4.4												
						2	18.5	8.1	31.4	8.2	103.6	2.6	4.9													
	TCE-WQM4					Fine	Calm	22:14	4.6	Surface	1.0	1	18.5	8.1	31.3				8.2	103.3	1.8	3.3	8.2	2.1	3.5	
											2	18.5	8.1	31.4	8.2				103.3	1.9	3.1					
Bottom		3.6	1	18.4	8.2					31.5	8.3	104.8	2.4	3.6												
		2	18.4	8.2	31.5					8.3	105.1	2.4	4.0													
	2023-03-03	Mid-Flood	Misty	Calm	12:12					8.2	Surface	1.0	1	18.7	7.9	31.0	7.9	100.5	2.0	6.2	7.9	3.5				5.6
												2	18.7	7.9	31.0	7.9	100.6	2.1	5.9							
Middle						4.1	1	18.7	7.9		31.0	7.9	100.7	4.0	5.8											
							2	18.7	8.0		31.0	8.0	100.8	4.0	5.4											
Bottom						7.2	1	18.7	8.0		30.9	8.0	101.0	4.6	4.8											
							2	18.7	8.0		30.9	8.0	101.1	4.7	5.2											
		TCE-C2	Misty	Calm	10:38	12.2	Surface	1.0	1	18.4	8.0	31.9	7.3	92.0	2.8	2.9	7.2	3.1	3.7							
								2	18.4	8.0	31.9	7.2	91.8	2.8	3.3											
Middle							6.1	1	18.4	8.0	32.0	7.1	90.5	3.1	3.6											
							2	18.4	8.0	32.0	7.1	90.4	3.1	3.9												
Bottom		11.2					1	18.4	8.0	32.1	7.1	90.5	3.5	4.4												
							2	18.4	8.0	32.1	7.1	90.5	3.4	4.2												
		TCE-WQM1	Misty	Calm	11:42	7.6	Surface	1.0	1	18.7	8.0	31.0	7.9	100.6	2.1	5.2	7.9	3.2	6.0							
								2	18.7	8.0	31.0	7.9	100.6	2.2	5.5											
Middle							3.8	1	18.7	8.0	31.0	8.0	101.0	3.5	5.8											
							2	18.7	8.0	31.0	8.0	101.1	3.6	6.0												
Bottom		6.6					1	18.7	8.0	31.0	8.0	101.6	4.0	7.0												
							2	18.7	8.0	31.0	8.0	101.7	4.1	6.4												
		TCE-WQM2a	Misty	Calm	11:12	7.0	Surface	1.0	1	18.5	7.9	31.3	7.8	98.5	1.5	3.2	7.8	2.0	2.8							
								2	18.5	7.9	31.3	7.8	98.5	1.5	3.6											
Middle							3.5	1	18.4	7.9	31.5	7.8	98.9	1.7	2.9											
							2	18.4	7.9	31.5	7.8	99.1	1.7	2.6												
Bottom		6.0					1	18.4	7.9	31.5	8.0	100.8	2.7	2.4												
							2	18.4	7.9	31.5	8.0	101.0	2.7	2.2												
	TCE-WQM2b	Misty	Calm	11:01	11.4	Surface	1.0	1	18.5	8.0	31.3	7.9	99.3	1.0	2.5	7.9	1.3	3.1								
							2	18.5	8.0	31.3	7.8	99.2	1.1	2.7												
Middle						5.7	1	18.5	8.0	31.6	7.9	99.5	1.1	3.2												
						2	18.5	8.0	31.6	7.9	99.8	1.2	2.9													
Bottom	10.4					1	18.4	8.0	31.6	8.1	101.9	1.6	3.5													
						2	18.4	8.0	31.6	8.1	102.1	1.6	3.9													
	TCE-WQM3A	Misty	Calm	11:22	5.2	Surface	1.0	1	18.3	8.1	31.0	8.4	105.7	4.3	3.5	8.4	4.7	3.6								
							2	18.3	8.1	31.0	8.4	105.8	4.4	3.2												
Bottom						4.2	1	18.2	8.1	30.9	8.4	105.5	5.0	4.0												
						2	18.2	8.1	30.8	8.4	105.4	5.0	3.7													
	TCE-WQM4					Misty	Calm	11:31	5.0	Surface	1.0	1	18.5	8.0	31.1				8.1	102.2	1.3	4.3	8.1	1.7	3.9	
											2	18.5	8.0	31.1	8.1				102.3	1.2	4.1					
Bottom		4.0	1	18.5	8.0					31.3	8.2	103.3	2.1	3.8												
		2	18.5	8.1	31.2					8.2	103.7	2.2	3.5													

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)
2023-03-06	Mid-Ebb	TCE-C1	Sunny	Rough	11:16	7.9	Surface	1.0	1	18.8	7.8	30.7	8.0	101.4	5.0	2.7	8.0	5.1	3.0
									2	18.8	7.8	30.7	8.0	101.4	5.1	3.0			
							Middle	4.0	1	18.8	7.8	30.7	8.0	101.2	5.2	3.0			
									2	18.8	7.8	30.7	8.0	101.2	5.2	3.1			
							Bottom	6.9	1	18.8	7.8	30.7	7.9	100.8	4.9	3.2			
									2	18.8	7.8	30.7	7.9	100.8	5.0	3.0			
		TCE-C2	Sunny	Rough	13:51	14.9	Surface	1.0	1	18.9	7.8	30.8	9.0	115.2	1.9	3.4	8.9	2.4	3.2
									2	18.9	7.8	30.8	9.0	115.2	1.9	3.5			
							Middle	7.5	1	18.6	7.8	31.3	8.7	111.1	2.2	3.4			
									2	18.6	7.8	31.3	8.7	111.1	2.2	3.1			
							Bottom	13.9	1	18.5	7.8	31.5	8.0	101.9	3.1	3.0			
									2	18.5	7.8	31.5	8.0	101.8	3.1	2.9			
	TCE-WQM1	Sunny	Moderate	12:18	8.3	Surface	1.0	1	18.8	7.8	30.6	7.9	101.5	1.1	3.6	7.9	2.9	3.1	
								2	18.8	7.8	30.6	7.9	101.5	1.1	3.2				
						Middle	4.2	1	18.7	7.8	30.6	7.9	101.2	2.5	3.1				
								2	18.7	7.8	30.6	7.9	101.2	2.7	3.0				
						Bottom	7.3	1	18.8	7.8	30.7	8.0	101.5	4.9	2.8				
								2	18.8	7.8	30.7	8.0	101.5	4.9	2.7				
	TCE-WQM2a	Sunny	Moderate	13:02	7.2	Surface	1.0	1	18.8	7.8	30.3	8.0	101.9	1.5	2.7	8.0	3.3	3.2	
								2	18.8	7.8	30.3	8.0	101.9	1.5	2.9				
						Middle	3.6	1	18.8	7.8	30.3	8.1	101.9	2.6	3.2				
								2	18.8	7.8	30.3	8.1	101.8	2.6	3.4				
						Bottom	6.2	1	18.7	7.9	30.3	8.0	101.2	5.8	3.6				
								2	18.7	7.9	30.3	8.0	101.3	5.8	3.6				
TCE-WQM2b	Sunny	Rough	13:18	9.7	Surface	1.0	1	18.8	7.8	30.3	7.9	101.4	1.9	3.1	7.9	2.8	3.2		
							2	18.8	7.8	30.3	7.9	101.4	2.0	2.8					
					Middle	4.9	1	18.8	7.9	30.4	7.8	100.5	2.1	3.0					
							2	18.8	7.9	30.4	7.8	100.5	2.1	3.3					
					Bottom	8.7	1	18.7	7.9	30.6	7.8	98.8	4.3	3.4					
							2	18.7	7.9	30.6	7.8	98.8	4.3	3.3					
TCE-WQM3A	Sunny	Moderate	12:41	5.6	Surface	1.0	1	18.7	7.9	30.3	8.6	108.3	6.3	3.2	8.5	5.8	3.0		
							2	18.7	7.9	30.3	8.5	108.2	6.4	3.1					
					Bottom	4.6	1	18.7	7.8	30.5	7.9	100.3	5.3	2.7					
							2	18.7	7.8	30.4	7.9	100.3	5.4	2.8					
					Bottom	4.6	1	18.8	7.8	30.6	8.6	108.9	2.7	3.9					
							2	18.8	7.8	30.6	8.6	109.0	2.7	3.6					
TCE-WQM4	Sunny	Moderate	12:30	4.6	Surface	1.0	1	18.8	7.8	30.6	8.6	108.9	2.7	3.9	8.6	3.2	3.5		
							2	18.8	7.8	30.6	8.6	109.0	2.7	3.6					
					Bottom	3.6	1	18.7	7.8	30.6	7.9	101.5	3.8	3.3					
							2	18.7	7.8	30.6	7.9	101.4	3.8	3.1					
					Bottom	3.6	1	18.7	7.8	30.6	7.9	101.5	3.8	3.1					
							2	18.7	7.8	30.6	7.9	101.5	2.0	3.1					
2023-03-06	Mid-Flood	TCE-C1	Fine	Rough	8:33	7.4	Surface	1.0	1	18.7	7.8	30.6	8.0	101.5	2.0	3.1	8.0	2.2	3.5
									2	18.7	7.8	30.6	8.0	101.5	2.0	3.3			
							Middle	3.7	1	18.7	7.8	30.6	8.0	101.8	2.1	3.3			
									2	18.7	7.8	30.6	8.0	101.9	2.1	3.6			
							Bottom	6.4	1	18.6	7.8	30.6	8.0	101.8	2.6	3.8			
									2	18.6	7.8	30.6	8.0	101.8	2.7	4.0			
		TCE-C2	Fine	Moderate	6:10	13.6	Surface	1.0	1	18.8	7.9	30.8	7.8	99.6	1.7	2.5	7.7	2.5	3.1
									2	18.8	7.9	30.8	7.8	99.5	1.7	2.7			
							Middle	6.8	1	18.5	7.9	31.3	7.7	97.1	2.3	3.3			
									2	18.5	7.9	31.3	7.7	97.1	2.3	3.0			
							Bottom	12.6	1	18.5	7.8	31.3	7.6	96.9	3.6	3.3			
									2	18.5	7.8	31.3	7.6	96.9	3.6	3.6			
	TCE-WQM1	Fine	Moderate	7:43	8.9	Surface	1.0	1	18.7	7.8	30.5	8.0	101.0	2.7	3.1	8.0	3.0	3.4	
								2	18.7	7.8	30.5	8.0	101.0	2.7	3.0				
						Middle	4.5	1	18.6	7.8	30.5	8.0	100.8	3.4	3.2				
								2	18.6	7.8	30.5	8.0	100.8	3.5	3.5				
						Bottom	7.9	1	18.5	7.8	31.5	7.7	97.9	2.8	3.6				
								2	18.5	7.8	31.5	7.7	98.0	2.8	3.9				
	TCE-WQM2a	Fine	Moderate	6:57	6.9	Surface	1.0	1	18.8	7.8	30.5	8.7	110.8	1.8	2.8	8.4	2.3	3.0	
								2	18.8	7.8	30.5	8.7	110.8	1.8	2.7				
						Middle	3.5	1	18.8	7.8	30.5	8.1	103.1	2.2	3.2				
								2	18.8	7.8	30.5	8.1	103.1	2.3	3.0				
						Bottom	5.9	1	18.8	7.8	30.6	8.0	102.7	3.0	3.1				
								2	18.8	7.8	30.6	8.0	102.7	3.1	3.4				
TCE-WQM2b	Fine	Moderate	6:35	8.7	Surface	1.0	1	18.8	7.8	30.5	8.1	103.1	1.4	3.3	8.1	1.8	3.6		
							2	18.8	7.8	30.5	8.1	103.1	1.4	3.2					
					Middle	4.4	1	18.8	7.8	30.6	8.0	102.5	1.8	3.5					
							2	18.8	7.8	30.6	8.0	102.5	1.8	3.6					
					Bottom	7.7	1	18.8	7.8	30.6	8.0	101.9	2.2	4.2					
							2	18.8	7.8	30.6	8.0	101.9	2.2	3.9					
TCE-WQM3A	Fine	Moderate	7:14	4.6	Surface	1.0	1	18.8	7.8	30.3	8.0	101.3	1.9	2.9	8.0	2.5	3.2		
							2	18.8	7.8	30.3	8.0	101.3	2.0	3.1					
					Bottom	3.6	1	18.7	7.8	30.3	8.0	100.9	3.0	3.6					
							2	18.7	7.8	30.3	8.0	100.9	3.1	3.3					
					Bottom	3.6	1	18.8	7.8	30.3	8.0	101.4	1.7	3.6					
							2	18.8	7.8	30.3	8.0	101.4	1.7	3.5					
TCE-WQM4	Fine	Moderate	7:24	3.8	Surface	1.0	1	18.8	7.8	30.3	8.0	101.4	1.7	3.6	8.0	1.9	3.4		
							2	18.8	7.8	30.3	8.0	101.4	1.7	3.5					
					Bottom	2.8	1	18.8	7.8	30.3	7.7	98.7	2.1	3.0					
							2	18.8	7.8	30.3	7.7	98.7	2.1	3.0					
					Bottom	2.8	1	18.8	7.8	30.3	7.7	98.7	2.2	3.4					
							2	18.8	7.8	30.3	7.7	98.7	2.2	3.4					

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)	
2023-03-08	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:02	8.4	Surface	1.0	1	18.5	7.9	31.3	7.6	97.3	7.4	5.4	7.5	9.4	7.7	
									2	18.5	7.9	31.5	7.5	97.1	7.7	5.9				
							Middle	4.2	1	18.3	7.9	32.1	7.5	96.7	9.7	7.4				
									2	18.3	7.9	32.1	7.5	96.7	9.9	8.0				
							Bottom	7.4	1	18.3	7.9	32.4	7.5	96.5	11.0	10.0				
									2	18.4	7.9	32.1	7.5	96.7	10.6	9.5				
		TCE-C2	Cloudy	Moderate	14:09	14.1	Surface	1.0	1	19.7	8.0	30.1	7.5	97.4	3.4	4.8	7.4	7.8	4.3	
									2	19.7	8.0	30.1	7.5	97.5	3.4	5.2				
							Middle	7.1	1	19.0	8.0	30.3	7.3	94.4	8.9	4.1				
									2	19.0	8.0	30.3	7.3	94.3	9.1	4.4				
							Bottom	13.1	1	18.9	8.0	30.6	7.3	94.3	11.0	3.6				
									2	18.9	8.0	30.6	7.3	94.4	10.9	3.4				
		TCE-WQM1	Cloudy	Moderate	12:45	8.0	Surface	1.0	1	19.1	8.1	30.7	7.4	95.4	8.2	8.1	7.3	8.6	6.5	
									2	19.1	8.1	30.7	7.4	95.3	8.2	8.3				
							Middle	4.0	1	19.1	8.0	30.7	7.3	94.1	8.7	7.4				
									2	19.1	8.0	30.7	7.3	94.0	8.8	7.0				
							Bottom	7.0	1	19.1	8.0	30.7	7.2	93.6	8.9	4.1				
									2	19.1	8.0	30.7	7.2	93.4	8.7	3.8				
		TCE-WQM2a	Cloudy	Moderate	13:31	7.0	Surface	1.0	1	19.2	8.0	30.1	7.4	95.6	3.3	4.2	7.4	4.2	4.9	
									2	19.2	8.0	30.1	7.4	95.6	3.3	3.8				
							Middle	3.5	1	19.0	8.0	30.2	7.3	94.3	4.3	4.9				
									2	19.0	8.0	30.2	7.3	94.2	4.4	4.5				
							Bottom	6.0	1	18.9	8.0	30.3	7.3	94.3	4.8	5.8				
									2	18.9	8.0	30.3	7.3	94.5	5.0	6.1				
	TCE-WQM2b	Cloudy	Moderate	13:46	10.8	Surface	1.0	1	19.4	8.0	29.2	7.5	96.5	4.1	3.2	7.4	5.6	4.0		
								2	19.4	8.0	29.2	7.5	96.4	4.2	3.5					
						Middle	5.4	1	19.1	8.0	29.6	7.4	95.8	6.1	4.1					
								2	19.1	8.0	29.6	7.4	95.8	6.2	3.8					
						Bottom	9.8	1	19.2	7.9	29.6	7.5	96.7	6.6	4.5					
								2	19.2	7.9	29.6	7.5	96.7	6.6	4.8					
	TCE-WQM3A	Cloudy	Moderate	13:19	4.2	Surface	1.0	1	19.3	8.0	30.2	7.3	94.4	8.7	13.7	7.3	10.1	11.3		
								2	19.3	8.0	30.2	7.3	94.4	8.8	13.4					
						Bottom	3.2	1	19.3	8.0	30.2	7.4	95.8	11.8	9.3					
								2	19.3	8.0	30.2	7.4	95.9	10.9	8.9					
						Surface	1.0	1	19.5	8.0	30.4	7.4	96.2	3.3	4.3					
								2	19.5	8.0	30.4	7.4	96.3	3.3	4.9					
	TCE-WQM4	Cloudy	Moderate	13:06	3.3	Surface	1.0	1	19.4	8.0	30.5	7.4	96.4	3.7	5.7	7.4	3.5	5.1		
								2	19.4	8.0	30.5	7.4	96.5	3.8	5.4					
						Bottom	2.3	1	19.4	8.0	30.5	7.4	96.4	3.7	5.7					
								2	19.4	8.0	30.5	7.4	96.5	3.8	5.4					
						Surface	1.0	1	18.7	7.9	30.8	7.6	98.0	5.6	7.5					
								2	18.6	7.9	30.8	7.6	97.9	6.1	7.2					
	2023-03-08	Mid-Flood	TCE-C1	Cloudy	Moderate	9:39	8.4	Surface	1.0	1	18.7	7.9	30.8	7.6	98.0	5.6	7.5	7.6	8.0	6.6
										2	18.6	7.9	30.8	7.6	97.9	6.1	7.2			
								Middle	4.2	1	18.3	7.9	32.2	7.5	96.9	7.8	6.8			
										2	18.3	7.9	32.2	7.5	96.8	7.8	6.5			
								Bottom	7.4	1	18.3	7.9	32.3	7.5	96.6	10.6	5.5			
										2	18.3	7.9	32.3	7.5	96.6	10.2	5.8			
TCE-C2			Cloudy	Moderate	7:44	13.2	Surface	1.0	1	18.8	8.0	30.7	7.3	93.4	5.0	12.8	7.2	5.1	12.0	
									2	18.8	8.0	30.7	7.3	93.4	5.0	13.2				
							Middle	6.6	1	18.7	7.9	30.9	7.2	92.7	5.1	11.6				
									2	18.7	7.9	30.9	7.2	92.6	5.2	12.0				
							Bottom	12.2	1	18.6	7.9	30.9	7.2	92.7	5.0	11.0				
									2	18.6	7.9	30.9	7.2	92.8	5.1	11.4				
TCE-WQM1		Cloudy	Moderate	8:54	8.0	Surface	1.0	1	19.0	7.8	30.6	7.4	95.1	7.1	9.1	7.4	7.6	7.1		
								2	19.0	7.8	30.6	7.4	95.1	7.2	9.5					
						Middle	4.0	1	19.0	7.8	30.6	7.4	95.7	7.9	6.3					
								2	19.0	7.8	30.6	7.4	95.8	7.8	6.7					
						Bottom	7.0	1	19.0	7.8	30.6	7.5	96.7	7.8	5.8					
								2	19.0	7.8	30.6	7.5	97.0	7.9	5.4					
TCE-WQM2a		Cloudy	Moderate	8:21	7.2	Surface	1.0	1	18.9	7.9	30.1	7.4	95.4	3.4	7.7	7.4	4.6	6.6		
								2	18.9	7.9	30.1	7.4	95.4	3.4	7.2					
						Middle	3.6	1	18.9	7.8	30.2	7.4	95.2	5.0	6.4					
								2	18.9	7.8	30.2	7.4	95.3	5.3	6.7					
						Bottom	6.2	1	18.9	7.8	30.1	7.4	95.4	4.4	5.9					
								2	18.9	7.8	30.1	7.4	95.5	5.9	5.6					
TCE-WQM2b	Cloudy	Moderate	8:09	11.2	Surface	1.0	1	18.9	7.8	30.1	7.4	95.0	6.6	6.5	7.4	8.8	8.3			
							2	18.9	7.8	30.1	7.4	95.0	6.8	6.9						
					Middle	5.6	1	18.9	7.8	30.2	7.4	94.9	9.2	8.7						
							2	18.9	7.8	30.2	7.4	94.9	9.4	8.4						
					Bottom	10.2	1	18.9	7.8	30.3	7.4	95.4	10.5	9.9						
							2	18.9	7.8	30.3	7.4	95.5	10.3	9.5						
TCE-WQM3A	Cloudy	Moderate	8:32	4.5	Surface	1.0	1	18.9	7.9	30.2	7.4	95.3	5.0	6.0	7.4	4.8	6.8			
							2	18.9	7.9	30.2	7.4	95.3	5.0	6.3						
					Bottom	3.5	1	18.8	7.9	30.1	7.4	95.3	4.6	7.7						
							2	18.9	7.9	30.1	7.4	95.3	4.7	7.2						
					Surface	1.0	1	18.9	7.8	30.3	7.4	94.8	3.8	5.3						
							2	18.9	7.8	30.3	7.4	94.9	4.0	5.1						
TCE-WQM4	Cloudy	Moderate	8:42	3.5	Surface	1.0	1	18.9	7.8	30.3	7.4	94.8	3.8	5.3	7.4	4.3	6.2			
							2	18.9	7.8	30.3	7.4	94.9	4.0	5.1						
					Bottom	2.5	1	18.9	7.8	30.3	7.5	95.9	4.9	6.9						
							2	18.8	7.8	30.3	7.5	96.0	4.7	7.3						

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)						
2023-03-10	Mid-Ebb	TCE-C1	Misty	Moderate	13:00	8.2	Surface	1.0	1	20.4	8.1	29.4	7.6	99.8	3.9	7.5	7.6	4.6	6.9						
									2	20.4	8.1	29.4	7.6	99.8	3.9	7.2									
							Middle	4.1	1	20.4	8.1	29.4	7.6	99.7	4.5	7.0									
									2	20.3	8.1	29.5	7.6	99.7	4.5	6.7									
							Bottom	7.2	1	20.3	8.1	29.6	7.6	100.3	5.5	6.2									
									2	20.3	8.1	29.6	7.6	100.5	5.5	6.5									
		TCE-C2	Misty	Moderate	14:21	12.2	Surface	1.0	1	19.7	8.1	31.6	7.4	97.5	4.6	13.0	7.4	5.4	12.3						
									2	19.7	8.1	31.6	7.4	97.5	4.5	13.4									
							Middle	6.1	1	19.7	8.1	31.8	7.4	98.0	5.5	11.9									
									2	19.7	8.1	31.8	7.4	98.1	5.5	12.3									
							Bottom	11.2	1	19.7	8.1	31.8	7.5	98.6	6.2	11.3									
									2	19.7	8.1	31.8	7.5	98.7	6.1	11.6									
	TCE-WQM1	Misty	Moderate	13:18	10.0	Surface	1.0	1	20.4	8.1	28.9	7.6	99.5	4.5	6.5	7.6	5.6	5.7							
								2	20.4	8.1	29.0	7.6	99.4	4.5	6.1										
						Middle	5.0	1	20.3	8.1	29.1	7.6	99.1	5.7	5.6										
								2	20.3	8.1	29.2	7.6	99.1	5.7	5.8										
						Bottom	9.0	1	20.3	8.1	29.2	7.6	99.6	6.5	5.2										
								2	20.3	8.1	29.2	7.6	99.7	6.5	4.9										
	TCE-WQM2a	Misty	Moderate	13:49	7.8	Surface	1.0	1	20.1	8.0	29.9	7.5	97.9	5.1	8.6	7.4	5.4	6.4							
								2	20.1	8.0	29.9	7.5	97.9	5.1	8.3										
						Middle	3.9	1	20.1	8.0	30.1	7.4	97.8	6.2	6.2										
								2	20.1	8.0	30.1	7.5	97.9	6.2	6.4										
						Bottom	6.8	1	20.1	8.0	30.1	7.5	98.5	5.0	4.3										
								2	20.1	8.0	30.1	7.5	98.7	5.1	4.5										
TCE-WQM2b	Misty	Moderate	13:59	12.8	Surface	1.0	1	20.1	8.0	30.0	7.5	98.6	2.4	12.3	7.5	3.2	10.3								
							2	20.1	8.0	30.1	7.5	98.5	2.5	12.6											
					Middle	6.4	1	20.0	8.0	30.2	7.5	98.5	3.1	11.1											
							2	20.0	8.0	30.3	7.5	98.6	3.1	11.6											
					Bottom	11.8	1	20.0	8.0	30.3	7.5	99.2	4.1	7.0											
							2	20.0	8.0	30.3	7.6	99.4	4.1	7.3											
TCE-WQM3A	Misty	Moderate	13:39	4.0	Surface	1.0	1	20.2	8.1	29.5	7.3	95.8	6.5	8.4	7.3	6.8	8.0								
							2	20.2	8.1	29.5	7.3	96.0	6.5	8.8											
					Bottom	3.0	1	20.2	8.1	29.6	7.4	97.0	7.1	7.6											
							2	20.2	8.1	29.6	7.4	97.4	7.1	7.2											
					TCE-WQM4	Misty	Moderate	13:30	4.0	Surface	1.0	1	20.3	8.0				29.4	7.6	99.5	4.5	5.0	7.6	5.4	5.8
											2	20.3	8.0	29.4				7.6	99.5	4.6	5.3				
		1	20.3	8.0	29.5	7.6	100.1	6.2	6.6																
		2	20.3	8.0	29.5	7.6	100.3	6.2	6.3																
		1	20.1	8.0	29.9	7.2	94.0	4.1	4.8																
		2	20.1	8.0	29.9	7.2	94.0	4.1	5.2																
		1	20.1	8.0	29.9	7.2	93.9	5.3	5.6																
		2	20.1	8.0	29.9	7.1	93.8	5.3	5.9																
		1	20.1	8.0	29.9	7.1	93.6	6.1	6.4																
		2	20.1	8.0	29.9	7.1	93.3	6.1	6.1																
		1	19.6	8.0	30.2	7.0	91.6	3.7	6.0																
		2	19.6	8.0	30.3	7.0	91.6	3.8	5.6																
		1	19.6	8.0	30.4	7.0	91.5	4.2	5.2																
		2	19.6	7.9	30.4	7.0	91.5	4.2	4.9																
		1	19.6	7.9	30.5	7.0	91.9	5.9	4.3																
		2	19.6	7.9	30.5	7.1	92.1	5.9	4.6																
		1	20.4	7.9	29.4	6.7	88.4	4.1	5.9																
		2	20.4	7.9	29.4	6.7	88.2	4.2	5.3																
		1	20.4	7.9	29.4	6.7	87.5	5.8	7.2																
		2	20.4	7.9	29.4	6.6	87.2	5.8	7.5																
		1	20.4	7.9	29.4	6.6	86.4	5.7	9.4																
		2	20.4	7.9	29.4	6.5	85.9	5.7	9.8																
		1	20.1	8.1	28.9	7.4	96.9	3.1	4.0																
		2	20.1	8.1	28.9	7.4	96.9	3.1	3.8																
		1	20.1	8.1	28.9	7.5	97.8	4.1	4.6																
		2	20.1	8.1	28.9	7.5	98.0	4.1	4.3																
		1	20.1	8.1	28.8	7.6	98.8	5.0	5.3																
		2	20.1	8.1	28.9	7.6	99.1	5.0	5.0																
		1	20.0	8.1	29.3	7.3	95.0	2.0	4.5																
		2	20.0	8.1	29.3	7.3	95.2	1.9	4.1																
		1	20.0	8.1	29.3	7.4	96.1	2.1	5.5																
		2	20.0	8.1	29.3	7.4	96.1	2.2	5.1																
		1	20.0	8.1	29.3	7.4	96.8	3.9	5.8																
		2	20.0	8.2	29.3	7.4	97.0	3.8	6.1																
		1	20.1	8.0	28.9	7.4	96.6	6.9	11.2																
		2	20.1	8.0	28.9	7.4	96.7	6.8	11.4																
		1	20.1	8.1	28.9	7.5	97.7	5.4	10.3																
		2	20.1	8.1	28.9	7.5	98.2	5.5	10.7																
		1	20.2	7.9	29.1	6.6	87.1	6.1	4.9																
		2	20.3	7.9	29.0	6.6	86.9	6.1	5.3																
		1	20.4	7.9	28.9	6.6	86.2	7.1	7.1																
		2	20.5	7.9	28.9	6.5	85.8	7.1	6.7																

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)							
2023-03-13	Mid-Ebb	TCE-C1	Fine	Rough	5:19	7.9	Surface	1.0	1	19.9	8.0	30.2	6.9	90.5	5.5	4.0	6.9	5.7	4.6							
									2	19.9	8.0	30.2	6.9	90.5	5.6	3.7										
							Middle	4.0	1	19.9	8.0	30.2	6.9	90.7	5.9	4.7										
								2	19.9	8.0	30.2	6.9	90.7	5.9	4.4											
		Bottom					6.9	1	19.9	8.0	30.2	6.9	90.8	5.9	5.1											
								2	19.9	8.0	30.2	6.9	90.8	5.8	5.4											
		TCE-C2	Fine	Rough	2:52	13.1	Surface	1.0	1	19.4	7.9	31.0	6.9	90.5	1.0	5.7	6.9	2.0	6.1							
								2	19.4	7.9	31.0	6.9	90.5	1.0	5.4											
	Middle						6.6	1	19.4	7.9	31.1	7.0	90.8	1.3	6.2											
							2	19.4	7.9	31.1	7.0	90.9	1.3	5.9												
	Bottom	12.1					1	19.4	7.9	31.3	7.0	91.4	3.7	6.9												
							2	19.4	7.9	31.3	7.0	91.4	3.6	6.5												
		TCE-WQM1	Fine	Moderate	4:27	8.8	Surface	1.0	1	19.8	8.0	29.6	6.9	89.6	4.3	5.9	6.9	4.3	5.1							
								2	19.8	8.0	29.6	6.9	89.7	4.4	5.6											
	Middle						4.4	1	19.8	8.0	29.6	6.9	89.9	4.6	5.2											
							2	19.8	8.0	29.6	6.9	89.9	4.5	4.9												
	Bottom	7.8					1	19.9	8.0	29.7	6.9	90.2	4.0	4.7												
							2	19.9	8.0	29.7	6.9	90.2	4.1	4.5												
		TCE-WQM2a	Fine	Moderate	3:41	6.6	Surface	1.0	1	19.8	8.0	29.8	7.0	91.0	2.8	6.8	7.0	3.2	6.0							
								2	19.8	8.0	29.8	7.0	91.0	2.8	6.4											
	Middle						3.3	1	19.8	8.0	29.8	7.0	90.9	3.4	6.1											
							2	19.8	8.0	29.8	7.0	90.9	3.4	5.8												
	Bottom	5.6					1	19.8	8.0	29.8	7.0	90.8	3.3	5.5												
							2	19.8	8.0	29.8	7.0	90.8	3.3	5.2												
	TCE-WQM2b	Fine	Rough	3:19	9.7	Surface	1.0	1	19.6	8.0	30.1	7.0	91.3	3.0	6.0	7.0	3.3	5.4								
							2	19.6	8.0	30.1	7.0	91.3	3.0	5.6												
Middle						4.9	1	19.6	8.0	30.2	7.0	90.9	3.0	5.5												
						2	19.6	8.0	30.2	7.0	90.9	3.1	5.2													
Bottom	8.7					1	19.6	8.0	30.4	6.9	89.9	3.9	4.7													
						2	19.6	8.0	30.4	6.9	89.9	4.0	5.2													
	TCE-WQM3A	Fine	Moderate	3:57	4.4	Surface	1.0	1	19.8	8.0	29.8	7.0	90.8	2.8	5.0	7.0	3.0	4.9								
							2	19.8	8.0	29.8	7.0	90.9	2.9	5.3												
Bottom						3.4	1	19.8	8.0	29.8	7.0	91.2	3.2	4.8												
						2	19.8	8.0	29.8	7.0	91.2	3.2	4.6													
	TCE-WQM4					Fine	Moderate	4:12	4.2	Surface	1.0	1	19.8	8.0	29.6				6.9	89.3	5.8	4.7	6.9	5.9	5.1	
											2	19.8	8.0	29.6	6.9				89.4	5.8	4.5					
Bottom		3.2	1	19.8	8.1					29.6	6.9	89.6	6.1	5.3												
		2	19.8	8.1	29.6					6.9	89.6	6.1	5.7													
	2023-03-13	Mid-Flood	Fine	Rough	8:18					8.5	Surface	1.0	1	19.9	8.0	30.3	6.9	91.1	6.0	4.4	6.9	6.2				5.2
												2	19.9	8.0	30.3	6.9	91.1	6.0	4.7							
Middle						4.3	1	20.0	8.0		30.3	6.9	91.0	6.9	5.2											
							2	20.0	8.0		30.3	6.9	91.0	6.8	4.8											
Bottom						7.5	1	20.0	8.1		30.4	7.0	91.3	5.9	6.1											
							2	20.0	8.1		30.4	7.0	91.3	5.9	5.8											
		TCE-C2	Fine	Rough	10:44	13.7	Surface	1.0	1	19.4	8.2	31.6	7.0	92.2	2.2	5.4	7.1	2.5	6.3							
								2	19.4	8.2	31.6	7.0	92.2	2.1	5.8											
Middle							6.9	1	19.3	8.2	31.9	7.1	92.7	2.3	6.5											
							2	19.3	8.2	31.9	7.1	92.7	2.2	6.1												
Bottom		12.7					1	19.3	8.2	32.0	7.1	93.5	3.0	6.7												
							2	19.3	8.2	32.0	7.1	93.5	3.0	7.0												
		TCE-WQM1	Fine	Rough	9:11	9.9	Surface	1.0	1	20.0	8.0	30.3	7.0	92.0	5.1	4.0	7.0	5.8	4.8							
								2	20.0	8.0	30.3	7.0	92.1	5.2	4.3											
Middle							5.0	1	19.9	8.1	30.3	7.0	91.3	5.3	4.8											
							2	20.0	8.1	30.3	7.0	91.3	5.5	5.1												
Bottom		8.9					1	20.0	8.1	30.3	7.0	91.6	7.0	5.4												
							2	20.0	8.1	30.3	7.0	91.6	7.0	5.3												
		TCE-WQM2a	Fine	Rough	9:58	7.4	Surface	1.0	1	19.7	8.1	30.1	6.9	90.5	2.9	5.2	6.9	4.4	5.4							
								2	19.7	8.1	30.1	6.9	90.5	2.9	5.0											
Middle							3.7	1	19.6	8.1	30.7	6.9	89.7	4.3	5.3											
							2	19.6	8.1	30.7	6.9	89.7	4.3	5.5												
Bottom		6.4					1	19.5	8.1	31.2	6.8	89.3	6.1	5.6												
							2	19.5	8.1	31.2	6.8	89.3	6.0	5.5												
	TCE-WQM2b	Fine	Rough	10:17	10.4	Surface	1.0	1	19.3	8.2	31.9	7.1	93.0	2.5	5.2	7.1	3.4	5.8								
							2	19.3	8.2	31.9	7.1	93.0	2.5	4.8												
Middle						5.2	1	19.3	8.2	32.0	7.2	93.8	4.2	5.6												
						2	19.3	8.2	32.0	7.2	93.8	4.1	5.8													
Bottom	9.4					1	19.3	8.2	32.0	7.2	94.0	3.5	6.9													
						2	19.3	8.2	32.0	7.2	94.0	3.5	6.4													
	TCE-WQM3A	Fine	Moderate	9:41	5.2	Surface	1.0	1	19.8	8.1	29.7	7.0	91.1	5.1	6.8	7.0	4.7	5.9								
							2	19.8	8.1	29.7	7.0	91.1	5.2	6.3												
Bottom						4.2	1	19.8	8.1	29.8	6.9	90.6	4.2	5.1												
						2	19.8	8.1	29.8	6.9	90.6	4.3	5.4													
	TCE-WQM4					Fine	Moderate	9:27	4.7	Surface	1.0	1	19.9	8.1	29.8				6.9	90.1	5.1	4.0	6.9	5.1	4.8	
											2	19.9	8.1	29.8	6.9				90.1	5.1	4.5					
Bottom		3.7	1	19.9	8.1					29.8	7.0	92.1	5.1	5.4												
		2	19.9	8.1	29.8					7.0	92.2	5.1	5.1													

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)
2023-03-15	Mid-Ebb	TCE-C1	Cloudy	Moderate	17:05	8.5	Surface	1.0	1	19.7	8.2	31.1	8.5	112.1	1.8	2.4	8.5	4.3	3.3
									2	19.7	8.2	31.2	8.5	112.2	1.8	2.9			
							Middle	4.3	1	19.7	8.2	32.1	8.5	111.7	5.0	3.2			
									2	19.7	8.2	32.1	8.4	111.5	5.3	3.5			
							Bottom	7.5	1	19.7	8.2	32.2	8.4	110.8	6.2	4.0			
									2	19.7	8.2	32.1	8.4	110.8	5.8	3.7			
				1	19.7	8.1	31.6	7.3	95.6	2.2	1.6								
				2	19.7	8.1	31.6	7.3	95.6	2.2	1.8								
		Middle	6.7	1	19.5	8.1	32.0	7.2	94.2	1.9	2.4								
				2	19.5	8.1	32.0	7.2	94.1	2.0	2.1								
		Bottom	12.4	1	19.4	8.1	32.1	7.2	94.7	2.1	2.6								
				2	19.4	8.1	32.1	7.2	94.9	2.1	3.0								
	TCE-C2	Cloudy	Moderate	19:03	13.4	Surface	1.0	1	19.7	8.1	30.7	7.1	93.4	5.2	2.6	7.2	2.1	2.3	
								2	19.7	8.1	31.6	7.3	95.6	2.2	1.8				
						Middle	6.7	1	19.5	8.1	32.0	7.2	94.2	1.9	2.4				
								2	19.5	8.1	32.0	7.2	94.1	2.0	2.1				
						Bottom	12.4	1	19.4	8.1	32.1	7.2	94.7	2.1	2.6				
								2	19.4	8.1	32.1	7.2	94.9	2.1	3.0				
	TCE-WQM1	Cloudy	Moderate	17:57	8.2	Surface	1.0	1	19.7	8.1	30.7	7.1	93.4	5.2	2.6	7.2	5.0	2.8	
								2	19.7	8.1	30.8	7.1	93.5	5.2	2.2				
						Middle	4.1	1	19.6	8.1	31.3	7.2	94.2	5.1	3.0				
								2	19.6	8.1	31.3	7.2	94.2	5.0	2.7				
						Bottom	7.2	1	19.6	8.1	31.5	7.2	94.3	4.7	3.4				
								2	19.6	8.1	31.5	7.2	94.3	4.7	3.1				
TCE-WQM2a	Cloudy	Moderate	18:27	7.2	Surface	1.0	1	19.7	8.0	30.9	7.0	92.2	2.2	2.6	7.0	3.3	2.3		
							2	19.7	8.0	30.9	7.0	92.2	2.2	3.0					
					Middle	3.6	1	19.6	8.0	31.1	7.1	92.4	2.0	2.4					
							2	19.6	8.0	31.1	7.1	92.5	2.3	2.2					
					Bottom	6.2	1	19.6	7.9	31.1	7.1	93.3	5.8	1.9					
							2	19.6	7.9	31.1	7.1	93.5	5.7	1.7					
TCE-WQM2b	Cloudy	Moderate	18:38	11.3	Surface	1.0	1	20.0	8.0	31.0	7.2	95.2	1.8	1.6	7.2	3.4	2.4		
							2	20.0	8.0	31.0	7.2	95.2	1.8	1.9					
					Middle	5.7	1	19.8	8.0	31.1	7.2	94.8	1.9	2.3					
							2	19.8	8.0	31.1	7.2	94.8	1.9	2.7					
					Bottom	10.3	1	19.7	7.9	31.1	7.3	95.2	6.9	2.9					
							2	19.7	7.9	31.1	7.3	95.3	6.3	3.2					
TCE-WQM3A	Cloudy	Moderate	18:18	4.0	Surface	1.0	1	19.6	8.0	30.7	7.0	92.1	3.9	2.2	7.1	3.9	2.6		
							2	19.6	8.0	30.7	7.1	92.3	3.9	2.5					
					Bottom	3.0	1	19.5	7.9	30.7	7.1	93.1	3.9	3.1					
							2	19.5	7.9	30.7	7.1	93.2	3.9	2.7					
					Surface	1.0	1	19.6	8.1	30.7	7.1	93.4	3.0	2.1					
							2	19.6	8.1	30.7	7.1	93.5	3.0	2.4					
TCE-WQM4	Cloudy	Moderate	18:08	3.4	Surface	1.0	1	19.5	8.1	30.7	7.2	94.3	3.6	2.9	7.1	3.3	2.5		
							2	19.5	8.1	30.7	7.2	94.3	3.6	2.9					
					Bottom	2.4	1	19.5	8.1	30.7	7.2	94.3	3.6	2.9					
							2	19.5	8.1	30.8	7.2	94.5	3.7	2.6					
					Surface	1.0	1	19.7	8.2	30.9	8.4	110.8	1.9	4.3					
							2	19.7	8.2	30.9	8.5	110.9	1.9	4.0					
2023-03-15	Mid-Flood	TCE-C1	Cloudy	Moderate	7:22	8.5	Surface	1.0	1	19.7	8.2	30.9	8.4	110.8	1.9	4.3	8.4	5.2	3.6
									2	19.7	8.2	30.9	8.5	110.9	1.9	4.0			
							Middle	4.3	1	19.7	8.2	32.1	8.4	111.1	4.4	3.7			
									2	19.7	8.2	32.1	8.4	111.0	4.6	3.4			
							Bottom	7.5	1	19.7	8.2	32.3	8.4	110.5	9.2	2.8			
									2	19.7	8.2	32.3	8.4	110.4	9.5	3.2			
		TCE-C2	Cloudy	Moderate	5:34	13.3	Surface	1.0	1	19.4	7.9	30.8	7.1	93.0	1.4	2.3	7.1	1.5	3.1
									2	19.4	7.9	30.8	7.1	92.9	1.4	2.8			
							Middle	6.7	1	19.4	7.9	31.2	7.0	92.0	1.3	3.2			
									2	19.4	7.9	31.2	7.0	92.0	1.3	3.0			
							Bottom	12.3	1	19.4	7.8	31.4	7.0	91.0	1.9	3.9			
									2	19.4	7.8	31.4	7.0	91.0	1.9	3.6			
	TCE-WQM1	Cloudy	Moderate	6:41	7.9	Surface	1.0	1	19.6	8.0	30.7	7.1	92.7	2.7	5.2	7.1	3.3	4.4	
								2	19.6	8.0	30.7	7.1	92.7	2.8	4.8				
						Middle	4.0	1	19.5	8.0	31.0	7.1	93.1	3.7	4.4				
								2	19.5	8.0	31.1	7.1	93.2	3.7	4.1				
						Bottom	6.9	1	19.6	8.0	31.0	7.2	93.7	3.6	3.9				
								2	19.6	8.0	30.9	7.2	93.8	3.5	3.7				
	TCE-WQM2a	Cloudy	Moderate	6:11	7.0	Surface	1.0	1	19.6	8.0	30.7	6.9	90.0	3.9	3.6	6.9	8.1	2.8	
								2	19.6	8.0	30.7	6.9	90.0	3.9	3.3				
						Middle	3.5	1	19.5	8.0	30.7	6.9	89.6	8.0	2.8				
								2	19.5	8.0	30.7	6.9	89.7	8.9	2.6				
						Bottom	6.0	1	19.5	8.0	30.7	6.9	90.6	11.7	2.1				
								2	19.5	8.0	30.7	7.0	90.8	12.6	2.4				
TCE-WQM2b	Cloudy	Moderate	6:00	11.3	Surface	1.0	1	19.6	8.1	30.8	7.0	91.0	1.8	3.2	6.9	2.4	2.5		
							2	19.6	8.1	30.8	7.0	90.9	1.8	3.7					
					Middle	5.7	1	19.5	8.1	31.2	6.8	89.5	2.2	2.7					
							2	19.5	8.1	31.2	6.8	89.4	2.3	2.3					
					Bottom	10.3	1	19.5	8.1	31.4	6.9	90.2	3.2	1.8					
							2	19.5	8.1	31.4	6.9	90.4	3.2	1.5					
TCE-WQM3A	Cloudy	Moderate	6:21	4.5	Surface	1.0	1	19.5	8.0	30.7	6.8	88.1	3.3	3.6	6.8	3.8	4.3		
							2	19.5	8.0	30.7	6.8	88.1	3.4	3.9					
					Bottom	3.5	1	19.4	8.0	30.7	6.8	88.1	4.2	4.6					
							2	19.4	8.0	30.7	6.8	88.1	4.2	5.0					
					Surface	1.0	1	19.5	8.0	30.8	7.1	92.6	2.1	3.6					
							2	19.5	8.0	30.8	7.1	92.7	2.2	3.3					
TCE-WQM4	Cloudy	Moderate	6:30	3.2	Surface	1.0	1	19.5	8.0	30.8	7.1	92.7	2.2	3.3	7.1	2.2	3.8		
							2	19.5	8.0	30.7	7.2	93.3	2.3	4.0					
					Bottom	2.2	1	19.5	8.0	30.7	7.2	93.3	2.3	4.0					
							2	19.5	8.0	30.7	7.2	93.4	2.4	4.3					

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)	
2023-03-17	Mid-Ebb	TCE-C1	Misty	Calm	20:10	8.0	Surface	1.0	1	20.3	8.0	30.7	7.6	100.5	2.3	3.6	7.6	3.2	4.1	
									2	20.3	8.0	30.7	7.6	100.4	2.3	3.3				
							Middle	4.0	1	20.3	8.0	30.6	7.6	100.4	3.2	4.0				
									2	20.3	8.0	30.6	7.6	100.3	3.1	4.2				
							Bottom	7.0	1	20.3	8.0	30.5	7.6	100.2	4.3	4.6				
									2	20.3	8.0	30.5	7.6	100.1	4.3	4.7				
		TCE-C2	Misty	Calm	21:31	12.8	Surface	1.0	1	20.2	8.0	31.5	7.2	96.2	1.5	5.4	7.2	2.0	5.0	
									2	20.2	8.0	31.5	7.2	96.0	1.5	5.8				
							Middle	6.4	1	20.3	8.0	31.4	7.2	95.8	1.8	5.1				
									2	20.3	8.0	31.4	7.2	95.9	1.7	4.9				
							Bottom	11.8	1	20.5	8.0	31.3	7.2	96.0	2.7	4.1				
									2	20.5	8.0	31.3	7.2	96.0	2.7	4.5				
		TCE-WQM1	Misty	Calm	20:29	10.2	Surface	1.0	1	20.2	8.0	30.8	7.6	100.0	2.3	2.4	7.6	3.5	2.1	
									2	20.2	8.0	30.8	7.6	100.0	2.4	2.6				
							Middle	5.1	1	20.2	8.0	30.8	7.6	100.2	3.6	2.2				
									2	20.2	8.0	30.8	7.6	100.2	3.5	2.1				
							Bottom	9.2	1	20.3	8.0	30.7	7.6	100.4	4.7	1.4				
									2	20.3	8.0	30.7	7.6	100.5	4.8	1.7				
		TCE-WQM2a	Misty	Calm	20:59	8.0	Surface	1.0	1	20.1	8.0	30.8	7.4	98.1	1.2	2.1	7.4	2.1	2.7	
									2	20.1	8.0	30.8	7.4	98.1	1.2	2.5				
							Middle	4.0	1	19.9	8.0	30.9	7.3	96.8	2.2	2.5				
									2	19.9	8.0	31.0	7.4	96.9	2.2	2.7				
							Bottom	7.0	1	19.9	8.0	31.0	7.6	100.5	3.0	3.0				
									2	19.8	8.0	31.1	7.6	100.6	3.1	3.3				
	TCE-WQM2b	Misty	Calm	21:09	12.6	Surface	1.0	1	20.0	8.0	30.9	7.3	95.7	1.0	2.6	7.3	1.6	3.4		
								2	19.9	8.0	30.9	7.3	95.8	1.1	3.0					
						Middle	6.3	1	19.9	8.0	30.9	7.3	96.1	1.9	3.5					
								2	19.9	8.0	30.9	7.3	96.2	1.9	3.2					
						Bottom	11.6	1	19.9	8.0	31.0	7.4	97.4	2.0	4.1					
								2	19.9	8.0	31.0	7.6	100.6	1.9	3.8					
	TCE-WQM3A	Misty	Calm	20:49	4.2	Surface	1.0	1	20.2	7.9	30.6	7.4	98.5	1.6	2.3	7.4	1.6	2.9		
								2	20.2	7.9	30.7	7.5	98.5	1.5	2.6					
						Middle	3.2	1	20.2	8.0	30.7	7.5	98.7	1.8	3.4					
								2	20.2	8.0	30.6	7.5	99.2	1.7	3.2					
						Bottom	3.2	1	20.1	7.9	31.0	7.6	100.7	2.6	4.1					
								2	20.0	7.9	31.0	7.6	100.7	2.5	3.6					
	TCE-WQM4	Misty	Calm	20:40	4.0	Surface	1.0	1	19.9	8.0	31.0	7.6	100.7	3.6	2.3	7.6	3.0	3.2		
								2	19.9	8.0	31.0	7.6	100.7	3.6	2.3					
						Middle	3.0	1	19.9	8.0	29.3	7.7	100.8	3.6	2.7					
								2	19.9	8.0	29.3	7.7	100.8	3.6	2.7					
						Bottom	3.0	1	19.9	8.0	31.2	7.2	95.3	1.0	4.9					
								2	19.9	7.7	31.2	7.2	95.3	2.0	3.5					
	2023-03-17	Mid-Flood	TCE-C1	Misty	Calm	10:52	8.6	Surface	1.0	1	20.2	8.1	30.8	7.5	99.9	1.1	6.6	7.5	2.5	5.3
										2	20.2	8.1	30.8	7.5	99.9	1.2	6.1			
								Middle	4.3	1	20.2	8.1	30.8	7.5	99.9	2.8	5.1			
										2	20.3	8.1	30.8	7.5	99.9	2.7	5.0			
								Bottom	7.6	1	20.3	8.0	30.7	7.6	100.0	3.6	4.7			
										2	20.3	8.0	30.7	7.6	99.9	3.7	4.5			
TCE-C2			Misty	Moderate	9:18	13.0	Surface	1.0	1	19.9	7.7	31.3	7.2	95.3	1.0	4.9	7.2	1.5	4.0	
									2	19.9	7.7	31.3	7.2	95.3	1.1	4.7				
							Middle	6.5	1	19.8	7.7	31.3	7.2	95.1	1.3	3.6				
									2	19.8	7.7	31.3	7.2	95.1	1.3	4.0				
							Bottom	12.0	1	19.8	7.7	31.3	7.2	95.3	2.0	3.2				
									2	19.9	7.7	31.2	7.2	95.3	2.0	3.5				
TCE-WQM1			Misty	Calm	10:23	7.0	Surface	1.0	1	20.2	8.0	30.8	7.5	99.0	1.7	3.7	7.5	2.7	4.3	
									2	20.2	8.0	30.8	7.5	99.0	1.6	3.4				
							Middle	3.5	1	20.2	8.0	30.8	7.5	98.9	2.9	4.4				
									2	20.2	8.0	30.8	7.5	98.9	2.9	4.0				
							Bottom	6.0	1	20.2	8.0	30.9	7.5	99.2	3.7	5.2				
									2	20.2	8.0	30.8	7.5	99.3	3.6	4.9				
TCE-WQM2a			Misty	Moderate	9:52	8.8	Surface	1.0	1	20.2	8.0	30.7	7.3	96.8	1.1	4.5	7.3	1.5	3.5	
									2	20.2	8.0	30.7	7.3	96.8	1.1	4.3				
							Middle	4.4	1	20.1	8.0	30.7	7.3	96.8	1.2	3.6				
									2	20.1	8.0	30.7	7.3	96.9	1.3	3.2				
							Bottom	7.8	1	20.2	7.9	30.7	7.3	97.3	2.2	2.5				
									2	20.3	7.9	30.6	7.4	97.4	2.2	2.9				
TCE-WQM2b		Misty	Moderate	9:41	11.4	Surface	1.0	1	20.0	7.9	31.0	7.1	94.0	1.0	4.0	7.1	1.5	3.2		
								2	20.0	7.9	31.0	7.1	93.9	1.1	3.8					
						Middle	5.7	1	19.9	7.9	31.1	7.1	93.7	1.3	3.1					
								2	19.9	7.9	31.1	7.1	93.6	1.3	3.4					
						Bottom	10.4	1	19.9	7.9	31.2	7.1	93.5	2.3	2.3					
								2	19.9	7.9	31.1	7.1	93.4	2.2	2.7					
TCE-WQM3A		Misty	Calm	10:02	4.2	Surface	1.0	1	20.1	8.0	30.5	7.4	97.0	1.5	3.7	7.4	1.8	4.1		
								2	20.1	8.0	30.5	7.4	97.0	1.5	4.0					
						Middle	3.2	1	20.1	7.9	30.5	7.4	97.0	2.2	4.6					
								2	20.1	7.9	30.6	7.4	97.1	2.1	4.2					
						Bottom	3.2	1	20.6	8.0	30.5	7.2	95.5	2.2	8.2					
								2	20.7	8.0	30.4	7.2	95.5	2.2	7.8					
TCE-WQM4		Misty	Calm	10:11	4.8	Surface	1.0	1	20.9	8.0	30.3	7.2	96.0	3.9	6.8	7.2	3.1	7.3		
								2	21.0	8.0	30.2	7.2	96.1	3.9	6.5					
						Middle	3.8	1	20.9	8.0	30.3	7.2	96.0	3.9	6.8					
								2	21.0	8.0	30.2	7.2	96.1	3.9	6.5					
						Bottom	3.8	1	20.9	8.0	30.3	7.2	96.0	3.9	6.8					
								2	21.0	8.0	30.2	7.2	96.1	3.9	6.5					

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)	
2023-03-20	Mid-Ebb	TCE-C1	Sunny	Rough	10:58	8.1	Surface	1.0	1	20.8	8.0	30.3	7.6	101.1	5.9	7.2	7.6	7.9	6.5	
									2	20.8	8.0	30.3	7.6	101.1	5.9	7.5				
							Middle	4.1	1	20.8	8.1	30.3	7.5	100.5	7.9	6.4				
									2	20.8	8.1	30.3	7.5	100.5	7.9	6.8				
							Bottom	7.1	1	20.7	8.1	30.3	7.3	96.9	9.9	5.7				
									2	20.7	8.1	30.3	7.3	96.9	9.9	5.4				
		TCE-C2	Sunny	Rough	13:12	14.8	Surface	1.0	1	20.6	8.0	31.3	7.4	97.8	2.3	5.5	7.3	1.8	6.3	
									2	20.6	8.0	31.3	7.4	97.8	2.3	5.9				
							Middle	7.4	1	20.4	8.1	31.4	7.3	96.5	2.0	6.2				
									2	20.4	8.1	31.4	7.3	96.5	1.9	6.4				
							Bottom	13.8	1	20.2	8.1	31.5	7.2	95.8	1.3	6.7				
									2	20.2	8.1	31.5	7.2	95.8	1.3	7.0				
		TCE-WQM1	Sunny	Moderate	11:48	9.4	Surface	1.0	1	20.8	8.0	30.3	7.3	97.1	5.3	6.4	7.3	5.5	5.4	
									2	20.8	8.0	30.3	7.3	97.1	5.3	6.1				
							Middle	4.7	1	20.8	8.0	30.3	7.3	97.1	5.6	5.2				
									2	20.8	8.0	30.3	7.3	97.2	5.6	5.6				
							Bottom	8.4	1	20.7	8.0	30.3	7.3	97.5	5.7	4.2				
									2	20.7	8.0	30.4	7.3	97.5	5.7	4.6				
		TCE-WQM2a	Sunny	Moderate	12:29	7.2	Surface	1.0	1	20.9	8.0	30.1	7.3	97.7	1.6	3.9	7.2	4.8	4.6	
									2	20.9	8.0	30.1	7.3	97.7	1.6	4.2				
							Middle	3.6	1	20.5	8.0	30.5	7.0	93.4	3.0	4.8				
									2	20.5	8.0	30.5	7.0	93.4	3.0	4.4				
							Bottom	6.2	1	20.4	8.0	30.7	7.0	92.6	9.6	5.3				
									2	20.4	8.0	30.7	7.0	92.6	9.6	5.1				
	TCE-WQM2b	Sunny	Rough	12:44	10.4	Surface	1.0	1	20.3	8.1	31.5	7.4	98.7	1.2	4.6	7.4	1.4	4.2		
								2	20.3	8.1	31.5	7.4	98.7	1.2	5.0					
						Middle	5.2	1	20.2	8.1	31.5	7.3	96.7	1.3	4.4					
								2	20.2	8.1	31.5	7.3	97.0	1.4	4.1					
						Bottom	9.4	1	20.2	8.1	31.5	7.2	94.9	1.8	3.6					
								2	20.2	8.1	31.5	7.2	94.8	1.8	3.7					
	TCE-WQM3A	Sunny	Moderate	12:15	5.1	Surface	1.0	1	20.7	8.0	30.2	7.2	95.2	2.5	5.3	7.2	2.9	6.3		
								2	20.7	8.0	30.2	7.2	95.2	2.5	5.8					
						Bottom	4.1	1	20.6	8.0	30.3	7.1	93.8	3.3	6.9					
								2	20.6	8.0	30.3	7.1	93.8	3.3	7.3					
						Surface	1.0	1	20.9	8.0	30.2	7.1	95.4	1.8	5.5					
								2	20.9	8.0	30.2	7.1	95.4	1.9	5.9					
	TCE-WQM4	Sunny	Moderate	12:01	4.3	Surface	1.0	1	20.9	8.0	30.2	7.2	95.4	2.1	6.1	7.2	2.0	6.0		
								2	20.9	8.0	30.2	7.2	95.5	2.0	6.5					
						Bottom	3.3	1	20.9	8.0	30.2	7.2	95.4	2.1	6.1					
								2	20.9	8.0	30.2	7.2	95.5	2.0	6.5					
						Surface	1.0	1	20.7	8.1	30.5	7.5	100.4	6.6	7.8					
								2	20.7	8.1	30.5	7.5	100.3	6.7	7.2					
	2023-03-20	Mid-Flood	TCE-C1	Fine	Rough	7:47	7.4	Surface	1.0	1	20.7	8.1	30.5	7.5	100.4	6.6	7.8	7.5	7.0	8.8
										2	20.7	8.1	30.5	7.5	100.3	6.7	7.2			
								Middle	3.7	1	20.6	8.1	30.5	7.5	99.6	6.8	8.6			
										2	20.6	8.1	30.5	7.5	99.6	6.8	9.0			
								Bottom	6.4	1	20.6	8.1	30.5	7.4	98.7	7.4	9.8			
										2	20.6	8.1	30.5	7.4	98.7	7.5	10.2			
TCE-C2			Fine	Moderate	5:42	13.1	Surface	1.0	1	20.3	7.9	31.2	7.0	93.4	2.2	8.2	7.0	2.8	9.8	
									2	20.3	7.9	31.2	7.0	93.4	2.3	8.8				
							Middle	6.6	1	20.2	7.9	31.3	7.0	92.6	3.0	10.0				
									2	20.2	7.9	31.3	7.0	92.6	3.0	9.4				
							Bottom	12.1	1	20.2	7.9	31.3	7.0	92.7	3.3	11.1				
									2	20.2	7.9	31.3	7.0	92.7	3.3	11.4				
TCE-WQM1			Fine	Moderate	7:01	8.9	Surface	1.0	1	20.8	8.0	30.1	7.3	97.4	5.0	6.4	7.3	5.2	7.7	
									2	20.8	8.0	30.1	7.3	97.4	5.0	6.8				
							Middle	4.5	1	20.8	8.0	30.1	7.3	96.9	5.1	7.4				
									2	20.8	8.0	30.1	7.3	96.9	5.2	7.6				
							Bottom	7.9	1	20.8	8.0	30.1	7.1	94.6	5.5	9.1				
									2	20.8	8.0	30.1	7.1	94.6	5.6	8.6				
TCE-WQM2a			Fine	Moderate	6:19	6.3	Surface	1.0	1	20.7	8.0	30.1	7.3	97.2	2.0	9.8	7.3	3.1	8.5	
									2	20.7	8.0	30.1	7.3	97.2	2.0	10.2				
							Middle	3.2	1	20.7	8.0	30.0	7.3	96.6	2.3	8.5				
									2	20.7	8.0	30.0	7.3	96.6	2.3	8.5				
							Bottom	5.3	1	20.6	8.0	30.2	7.1	94.9	4.8	6.9				
									2	20.6	8.0	30.2	7.1	94.9	4.8	7.3				
TCE-WQM2b		Fine	Moderate	6:04	8.9	Surface	1.0	1	20.5	8.0	30.7	7.1	93.8	3.9	4.5	7.0	4.6	5.3		
								2	20.5	8.0	30.7	7.1	93.8	3.9	4.2					
						Middle	4.5	1	20.4	8.0	30.8	7.0	93.0	4.3	5.3					
								2	20.4	8.0	30.8	7.0	93.0	4.3	5.5					
						Bottom	7.9	1	20.4	8.0	30.8	7.0	92.8	5.6	6.4					
								2	20.4	8.0	30.8	7.0	92.8	5.6	5.9					
TCE-WQM3A		Fine	Calm	6:32	4.3	Surface	1.0	1	20.7	8.0	30.0	7.3	97.4	2.1	5.6	7.3	2.1	6.2		
								2	20.7	8.0	30.0	7.3	97.4	2.1	5.2					
						Bottom	3.3	1	20.6	8.0	30.1	7.2	95.4	2.1	7.1					
								2	20.6	8.0	30.1	7.2	95.4	2.2	6.7					
						Surface	1.0	1	20.7	8.0	30.2	7.3	97.0	2.2	8.6					
								2	20.7	8.0	30.2	7.3	97.0	2.2	8.3					
TCE-WQM4		Fine	Calm	6:46	3.7	Surface	1.0	1	20.7	8.0	30.2	7.3	97.0	2.2	8.6	7.3	3.1	7.8		
								2	20.7	8.0	30.2	7.3	97.0	2.2	8.3					
						Bottom	2.7	1	20.7	8.0	30.2	7.1	94.8	3.9	7.3					
								2	20.7	8.0	30.2	7.1	94.8	3.9	7.3					
						Surface	1.0	1	20.7	8.0	30.2	7.3	97.0	2.2	8.6					
								2	20.7	8.0	30.2	7.3	97.0	2.2	8.3					

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)						
2023-03-22	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:06	8.9	Surface	1.0	1	20.9	8.1	31.1	7.4	99.0	6.0	5.2	7.3	7.6	6.0						
									2	20.9	8.1	31.2	7.4	98.9	6.1	5.6									
							Middle	4.5	1	20.7	8.1	31.5	7.3	98.1	7.6	5.8									
									2	20.8	8.1	31.4	7.3	98.2	7.6	6.0									
							Bottom	7.9	1	20.9	8.1	31.0	7.4	99.2	9.1	6.4									
									2	21.0	8.1	30.9	7.4	99.3	9.2	6.7									
		TCE-C2	Cloudy	Moderate	13:54	14.8	Surface	1.0	1	21.1	8.0	30.1	6.9	91.9	4.0	5.8	6.8	4.6	5.1						
									2	21.0	8.0	30.2	6.9	91.7	4.0	6.0									
							Middle	7.4	1	20.7	8.0	30.7	6.8	90.6	4.9	5.2									
									2	20.7	8.0	30.7	6.8	90.6	5.0	4.9									
							Bottom	13.8	1	20.7	8.0	30.8	6.9	91.8	4.9	4.2									
									2	20.7	8.0	30.8	6.9	92.1	4.9	4.6									
	TCE-WQM1	Cloudy	Moderate	12:53	8.0	Surface	1.0	1	21.2	8.0	30.6	7.0	94.6	11.7	10.4	7.0	12.5	9.8							
								2	21.2	8.0	30.6	7.0	94.6	11.9	10.0										
						Middle	4.0	1	21.2	8.0	30.6	7.0	94.6	13.1	9.7										
								2	21.2	8.0	30.6	7.0	94.6	13.4	10.1										
						Bottom	7.0	1	21.2	8.0	30.6	7.1	94.8	13.0	9.0										
								2	21.2	8.0	30.6	7.1	94.9	12.1	9.3										
	TCE-WQM2a	Cloudy	Moderate	13:22	6.6	Surface	1.0	1	21.3	7.9	29.9	7.0	93.9	5.0	3.3	7.0	7.7	3.7							
								2	21.3	7.9	29.9	7.0	93.9	5.0	3.1										
						Middle	3.3	1	21.2	7.9	30.0	7.0	93.7	7.7	3.9										
								2	21.2	7.9	30.0	7.0	93.7	7.7	3.6										
						Bottom	5.6	1	21.2	7.9	30.0	7.0	93.8	10.6	4.4										
								2	21.2	7.9	30.0	7.0	93.9	10.2	4.1										
TCE-WQM2b	Cloudy	Moderate	13:33	11.2	Surface	1.0	1	21.2	7.9	29.5	6.9	92.8	5.9	3.4	6.9	8.5	3.7								
							2	21.1	7.9	29.6	6.9	92.7	6.3	3.1											
					Middle	5.6	1	21.0	7.9	30.1	6.9	92.6	8.5	3.9											
							2	21.0	7.9	30.2	6.9	92.7	8.8	3.6											
					Bottom	10.2	1	20.9	7.9	30.3	7.0	93.1	10.8	4.1											
							2	20.9	8.0	30.3	7.0	93.3	10.6	4.3											
TCE-WQM3A	Cloudy	Moderate	13:12	4.2	Surface	1.0	1	21.2	7.9	30.2	6.8	91.3	5.3	7.1	6.8	5.3	7.5								
							2	21.2	7.9	30.2	6.8	91.4	5.3	7.4											
					Bottom	3.2	1	21.2	7.9	30.2	6.9	92.6	5.3	7.9											
							2	21.2	7.9	30.2	6.9	92.7	5.3	7.6											
					TCE-WQM4	Cloudy	Moderate	13:03	3.5	Surface	1.0	1	21.2	7.9				30.2	6.8	91.6	6.3	7.1	6.8	6.4	7.7
											2	21.2	7.9	30.2				6.8	91.6	6.3	6.8				
Bottom	2.5	1	21.2	7.9	30.2					6.8	91.9	6.6	8.2												
		2	21.2	7.9	30.2					6.8	91.9	6.7	8.5												
TCE-C1	Mid-Flood	Cloudy	Moderate	9:18	8.4					Surface	1.0	1	21.0	8.1	30.9	7.4	99.2	5.3	4.0	7.3	7.3	5.3			
											2	21.0	8.1	31.0	7.4	99.1	5.5	4.4							
Middle						4.2	1	20.8	8.1	31.6	7.2	97.1	7.9	4.9											
							2	20.8	8.1	31.6	7.2	96.9	8.0	5.2											
Bottom						7.4	1	20.8	8.0	31.6	7.2	96.3	8.8	6.3											
							2	20.8	8.0	31.6	7.2	96.2	8.4	6.7											
TCE-C2		Cloudy	Moderate	7:18	14.8	Surface	1.0	1	20.7	8.1	30.5	6.8	90.4	4.9	6.9	6.8	7.0	6.3							
								2	20.7	8.1	30.5	6.8	90.3	5.2	6.6										
						Middle	7.4	1	20.6	8.0	30.6	6.7	89.9	7.9	6.0										
								2	20.6	8.0	30.6	6.7	89.9	7.8	6.4										
						Bottom	13.8	1	20.6	7.9	30.5	6.8	90.1	8.1	5.8										
								2	20.6	7.9	30.5	6.8	90.2	8.1	5.8										
TCE-WQM1		Cloudy	Moderate	8:27	8.5	Surface	1.0	1	21.2	7.9	30.6	7.0	93.8	11.1	4.5	7.0	11.9	5.4							
								2	21.2	7.9	30.6	7.0	93.8	11.3	4.9										
						Middle	4.3	1	21.1	7.9	30.6	7.0	93.8	12.0	5.2										
								2	21.1	7.9	30.6	7.0	93.9	12.0	5.5										
						Bottom	7.5	1	21.1	7.9	30.6	7.0	93.9	12.6	5.9										
								2	21.1	7.9	30.6	7.0	93.9	12.7	6.3										
TCE-WQM2a		Cloudy	Moderate	7:56	6.8	Surface	1.0	1	21.3	7.9	29.8	7.0	93.6	2.7	6.6	6.9	3.9	6.0							
								2	21.3	7.9	29.8	7.0	93.6	2.7	6.8										
						Middle	3.4	1	21.1	7.9	29.9	6.8	91.5	4.7	6.2										
								2	21.1	7.9	29.9	6.8	91.4	4.8	5.8										
						Bottom	5.8	1	21.1	7.9	30.0	6.8	90.8	4.4	5.4										
								2	21.1	7.9	30.0	6.8	90.8	4.2	5.1										
TCE-WQM2b	Cloudy	Moderate	7:44	11.6	Surface	1.0	1	21.1	7.9	29.7	6.9	91.7	7.9	5.0	6.8	9.5	5.6								
							2	21.1	7.9	29.7	6.9	91.7	8.1	4.6											
					Middle	5.8	1	21.1	7.9	29.8	6.8	91.3	9.7	5.7											
							2	21.1	7.9	29.9	6.8	91.2	9.6	5.4											
					Bottom	10.6	1	21.0	7.9	30.0	6.8	90.5	10.8	6.3											
							2	21.0	7.9	30.0	6.8	90.5	10.9	6.7											
TCE-WQM3A	Cloudy	Moderate	8:05	4.9	Surface	1.0	1	21.2	7.9	30.1	6.8	90.5	4.7	7.2	6.7	5.1	6.3								
							2	21.1	7.9	30.1	6.7	90.2	4.8	6.8											
					Bottom	3.9	1	21.0	7.9	30.1	6.6	88.9	5.5	5.7											
							2	21.0	7.9	30.1	6.6	88.9	5.6	5.3											
					TCE-WQM4	Cloudy	Moderate	8:15	3.7	Surface	1.0	1	21.2	7.9				30.1	6.8	90.6	6.4	5.6	6.8	6.7	4.6
											2	21.2	7.9	30.1				6.8	90.5	6.5	5.3				
Bottom	2.7	1	21.2	7.9	30.1					6.7	90.3	6.9	3.6												
		2	21.2	7.9	30.1					6.7	90.2	6.8	4.0												

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)								
2023-03-24	Mid-Ebb	TCE-C1	Misty	Moderate	13:13	8.2	Surface	1.0	1	21.4	8.1	30.7	7.2	97.8	5.7	6.0	7.2	6.9	6.8								
									2	21.4	8.1	30.7	7.2	97.8	5.7	5.6											
							Middle	4.1	1	21.4	8.1	30.6	7.2	97.7	6.9	6.7											
									2	21.4	8.1	30.6	7.2	97.7	6.9	7.0											
							Bottom	7.2	1	21.4	8.1	30.2	7.3	98.3	8.0	7.6											
									2	21.4	8.1	29.7	7.3	98.5	8.0	8.0											
		TCE-C2	Misty	Moderate	14:47	12.8	Surface	1.0	1	21.1	8.0	30.6	7.1	95.5	3.1	6.0	7.1	4.2	6.9								
									2	21.1	8.0	30.6	7.1	95.5	3.1	6.4											
							Middle	6.4	1	21.1	8.0	30.7	7.1	96.0	4.7	6.8											
									2	21.1	8.0	30.7	7.1	96.1	4.7	7.1											
							Bottom	11.8	1	21.0	8.0	30.7	7.2	96.6	4.7	7.3											
									2	21.0	8.0	30.7	7.2	96.7	4.7	7.5											
	TCE-WQM1	Misty	Moderate	13:47	10.2	Surface	1.0	1	21.5	8.0	30.7	7.2	97.5	6.4	6.3	7.2	7.4	5.7									
								2	21.5	8.0	30.7	7.2	97.4	6.5	6.0												
						Middle	5.1	1	21.5	8.0	30.7	7.2	97.1	7.0	5.8												
								2	21.5	8.0	30.7	7.2	97.1	7.1	5.6												
						Bottom	9.2	1	21.5	8.0	30.7	7.2	97.6	8.8	5.3												
								2	21.5	8.0	30.7	7.2	97.7	8.7	5.1												
	TCE-WQM2a	Misty	Moderate	14:15	8.0	Surface	1.0	1	21.8	7.9	29.5	7.1	95.9	3.4	10.4	7.1	4.3	10.8									
								2	21.8	7.9	29.5	7.1	95.9	3.4	10.0												
						Middle	4.0	1	21.8	7.9	29.5	7.1	95.8	4.6	10.9												
								2	21.9	7.9	29.5	7.1	95.9	4.6	10.6												
						Bottom	7.0	1	22.0	7.9	29.2	7.1	96.5	5.1	11.4												
								2	22.1	7.9	29.0	7.1	96.7	5.1	11.2												
TCE-WQM2b	Misty	Moderate	14:26	13.0	Surface	1.0	1	21.2	8.0	30.4	7.2	96.6	5.9	6.8	7.2	6.4	6.2										
							2	21.1	8.0	30.4	7.2	96.5	6.0	6.5													
					Middle	6.5	1	21.0	8.0	30.6	7.2	96.5	6.1	6.4													
							2	21.0	8.0	30.7	7.2	96.6	6.1	6.2													
					Bottom	12.0	1	21.0	8.0	30.7	7.2	97.2	7.1	5.6													
							2	21.0	8.0	30.7	7.2	97.4	7.1	5.9													
TCE-WQM3A	Misty	Calm	14:06	4.2	Surface	1.0	1	22.2	8.0	29.5	6.9	93.8	4.4	10.8	7.0	4.7	10.9										
							2	22.3	8.0	29.4	6.9	94.0	4.3	10.5													
					Bottom	3.2	1	22.4	8.0	29.0	7.0	95.0	5.0	10.8													
							2	22.5	8.0	28.5	7.0	95.4	5.1	11.3													
					TCE-WQM4	Misty	Calm	13:57	5.2	Surface	1.0	1	21.6	8.0				29.9	7.2	97.5	3.9	11.4	7.2	4.0	12.0		
											2	21.6	8.0	29.9				7.2	97.5	3.9	11.8						
		1	21.5	8.0	30.0	7.3	98.1	4.2	12.2	7.3																	
		2	21.5	8.0	30.0	7.3	98.3	4.2	12.7																		
2023-03-24	Mid-Flood	TCE-C1	Misty	Moderate	9:56	8.4	Surface	1.0	1	21.4	8.1	30.9	7.6	103.6	6.7	7.1	7.6	7.3	7.8								
									2	21.4	8.1	30.9	7.6	103.4	6.7	7.6											
							Middle	4.2	1	21.4	8.1	30.9	7.6	102.4	7.2	7.8											
									2	21.4	8.1	30.9	7.5	102.2	7.2	7.8											
							Bottom	7.4	1	21.4	8.1	30.9	7.5	101.6	8.0	8.2											
									2	21.4	8.1	30.9	7.5	101.5	8.1	8.4											
							TCE-C2	Misty	Moderate	8:07	14.2	Surface	1.0	1	21.0	7.9				30.2	7.1	95.7	5.2	6.9	7.1	6.4	6.4
														2	21.0	7.9				30.2	7.1	95.7	5.2	7.2			
												Middle	7.1	1	21.0	7.9				30.2	7.1	95.7	6.0	6.6			
														2	21.0	7.9				30.2	7.1	95.7	6.1	6.3			
												Bottom	13.2	1	21.0	7.9				30.0	7.2	95.8	8.0	5.4			
														2	21.0	7.9				29.9	7.2	95.8	7.9	5.7			
		TCE-WQM1	Misty	Moderate	9:13	9.0	Surface	1.0	1	21.5	8.0	30.5	7.2	97.5	5.6	7.9	7.2	6.4	9.9								
									2	21.5	8.0	30.5	7.2	97.6	5.5	7.6											
							Middle	4.5	1	21.5	8.0	30.5	7.2	97.8	6.6	8.0											
									2	21.5	8.0	30.5	7.2	97.7	6.5	8.2											
							Bottom	8.0	1	21.5	8.0	30.5	7.2	97.9	7.1	14.0											
									2	21.5	8.0	30.5	7.2	97.9	7.1	13.7											
		TCE-WQM2a	Misty	Moderate	8:42	9.0	Surface	1.0	1	21.5	8.0	29.7	7.2	96.5	5.9	10.3	7.2	6.3	11.0								
									2	21.5	8.0	29.7	7.2	96.5	5.9	10.3											
							Middle	4.5	1	21.6	8.0	29.6	7.2	96.7	6.1	10.8											
									2	21.6	8.0	29.6	7.2	96.7	6.1	11.0											
							Bottom	8.0	1	22.1	8.0	29.2	7.2	97.5	7.0	11.5											
									2	22.1	8.0	29.2	7.2	97.5	7.0	11.7											
	TCE-WQM2b	Misty	Moderate	8:31	11.4	Surface	1.0	1	21.4	7.9	29.8	7.2	97.4	4.2	7.1	7.2	5.6	6.2									
								2	21.4	7.9	29.8	7.2	97.3	4.3	6.7												
						Middle	5.7	1	21.4	7.9	29.9	7.2	97.1	5.8	6.2												
								2	21.3	7.9	29.9	7.2	97.1	5.7	6.0												
						Bottom	10.4	1	21.3	7.9	29.9	7.2	97.5	6.9	5.3												
								2	21.3	7.9	29.9	7.3	97.7	6.9	5.8												
	TCE-WQM3A	Misty	Calm	8:52	5.2	Surface	1.0	1	21.9	8.0	29.6	6.9	93.7	5.5	11.4	7.0	6.0	10.9									
								2	21.9	8.0	29.6	6.9	93.8	5.4	11.1												
						Bottom	4.2	1	22.1	8.0	29.4	7.0	94.9	6.5	10.4												
								2	22.1	8.0	29.4	7.0	95.2	6.4	10.8												
						TCE-WQM4	Misty	Calm	9:01	5.0	Surface	1.0	1	21.5	8.0				30.0	7.2	96.6	6.1	18.0	7.2	6.1	17.7	
												2	21.5	8.0	30.0				7.2	96.8	6.0	17.3					
			1	21.5	8.0	30.0	7.3	98.2	6.2	18.0	7.3																
			2	21.5	8.0	30.0	7.3	98.5	6.2	17.3																	

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)							
2023-03-27	Mid-Ebb	TCE-C1	Fine	Rough	5:17	8.6	Surface	1.0	1	21.1	8.1	29.3	7.2	95.5	4.6	3.2	7.2	4.9	3.8							
									2	21.1	8.1	28.4	7.2	95.5	4.7	2.8										
							Middle	4.3	1	21.2	8.1	29.4	7.2	95.8	6.0	3.6										
								2	21.2	8.1	29.4	7.2	95.8	6.0	3.9											
		Bottom					7.6	1	21.2	8.2	29.4	7.2	96.3	4.1	4.9											
								2	21.2	8.2	29.4	7.2	96.3	4.1	4.4											
		TCE-C2	Fine	Rough	3:02	13.5	Surface	1.0	1	20.8	7.9	31.4	6.5	87.8	1.2	3.2	6.5	1.2	3.6							
								2	20.8	7.9	31.4	6.5	87.8	1.2	3.0											
	Middle						6.8	1	20.8	7.8	31.3	6.6	88.0	1.1	3.8											
							2	20.8	7.8	31.3	6.6	88.0	1.1	3.5												
	Bottom	12.5					1	20.8	7.9	31.2	6.6	88.2	1.2	4.3												
							2	20.8	7.9	31.2	6.6	88.3	1.2	4.0												
		TCE-WQM1	Fine	Rough	4:20	9.9	Surface	1.0	1	21.0	8.2	31.3	6.3	85.1	4.4	4.5	6.3	4.7	4.3							
								2	21.0	8.2	31.3	6.3	85.1	4.5	4.9											
	Middle						5.0	1	21.0	8.2	31.4	6.4	85.5	4.5	4.2											
							2	21.0	8.2	31.4	6.4	85.6	4.5	4.2												
	Bottom	8.9					1	20.9	8.2	31.5	6.5	86.9	5.2	3.8												
							2	20.9	8.2	31.5	6.5	87.1	5.3	4.0												
		TCE-WQM2a	Fine	Rough	3:44	7.1	Surface	1.0	1	20.8	8.2	31.6	6.7	89.8	1.0	3.6	6.7	2.2	4.6							
								2	20.8	8.2	31.6	6.7	89.8	1.0	4.0											
	Middle						3.6	1	20.8	8.2	31.6	6.7	90.6	2.4	4.5											
							2	20.8	8.2	31.6	6.8	90.8	2.4	4.8												
	Bottom	6.1					1	20.7	8.2	31.6	7.0	94.3	3.2	5.6												
							2	20.7	8.2	31.6	7.0	94.5	3.2	5.2												
	TCE-WQM2b	Fine	Rough	3:25	10.2	Surface	1.0	1	20.8	8.0	31.5	6.5	87.8	1.2	4.0	6.5	2.4	4.4								
							2	20.8	8.0	31.5	6.5	87.8	1.2	4.1												
Middle						5.1	1	20.8	8.0	31.5	6.5	87.6	2.8	4.5												
						2	20.8	8.0	31.5	6.5	87.6	2.8	4.2													
Bottom	9.2					1	20.8	8.0	31.4	6.5	87.7	3.2	4.8													
						2	20.8	8.0	31.4	6.5	87.7	3.2	5.0													
	TCE-WQM3A	Fine	Moderate	3:55	5.2	Surface	1.0	1	20.8	8.1	31.6	6.9	92.8	1.2	4.2	6.9	1.8	3.7								
							2	20.8	8.1	31.6	6.9	92.7	1.2	3.9												
Bottom						4.2	1	20.8	8.1	31.6	6.8	91.6	2.5	3.2												
						2	20.8	8.1	31.6	6.8	91.6	2.5	3.5													
	TCE-WQM4					Fine	Moderate	4:08	4.6	Surface	1.0	1	20.8	8.1	31.6				6.6	88.4	1.2	3.5	6.6	2.7	3.3	
											2	20.8	8.1	31.6	6.6				88.4	1.2	4.1					
Bottom		3.6	1	20.7	8.1					31.6	6.6	88.8	4.3	2.6												
		2	20.7	8.1	31.6					6.6	88.8	4.3	3.0													
	2023-03-27	Mid-Flood	Cloudy	Rough	8:01					7.7	Surface	1.0	1	21.1	8.2	29.4	6.8	90.0	5.4	3.4	6.8	6.0				4.6
												2	21.1	8.2	29.4	6.8	90.1	5.5	4.0							
Middle						3.9	1	21.1	8.2		29.5	6.8	91.2	6.1	4.9											
							2	21.1	8.2		29.5	6.8	91.2	6.2	4.3											
Bottom						6.7	1	21.1	8.2		29.5	7.0	93.0	6.5	5.2											
							2	21.1	8.2		29.5	7.0	93.0	6.5	5.6											
		TCE-C2	Cloudy	Rough	10:22	12.8	Surface	1.0	1	21.0	8.2	31.4	6.9	93.4	1.6	4.5	6.9	2.3	5.0							
								2	21.0	8.2	31.4	6.9	93.4	1.6	4.3											
Middle							6.4	1	20.9	8.2	31.6	6.8	92.5	2.6	5.1											
							2	20.9	8.2	31.6	6.8	92.5	2.6	4.8												
Bottom		11.8					1	20.9	8.2	31.7	6.9	92.6	2.7	5.4												
							2	20.9	8.2	31.7	6.9	92.6	2.8	5.8												
		TCE-WQM1	Cloudy	Moderate	8:56	8.2	Surface	1.0	1	21.1	8.1	29.7	6.6	87.9	6.1	5.8	6.6	7.1	4.7							
								2	21.1	8.1	29.7	6.6	87.9	6.1	5.2											
Middle							4.1	1	21.1	8.2	29.7	6.6	88.2	6.4	4.9											
							2	21.1	8.2	29.7	6.6	88.2	6.3	4.6												
Bottom		7.2					1	21.1	8.2	29.7	6.8	90.5	8.9	4.1												
							2	21.1	8.2	29.7	6.8	90.5	8.9	3.8												
		TCE-WQM2a	Cloudy	Moderate	9:43	6.4	Surface	1.0	1	21.1	8.1	29.5	6.5	87.3	2.3	4.1	6.5	3.4	4.8							
								2	21.1	8.1	29.5	6.5	87.3	2.3	3.9											
Middle							3.2	1	21.2	8.1	30.2	6.4	85.5	3.6	4.7											
							2	21.2	8.1	30.2	6.4	85.5	3.6	5.0												
Bottom		5.4					1	21.1	8.2	30.9	6.3	84.8	4.3	5.7												
							2	21.1	8.2	30.9	6.3	84.8	4.3	5.3												
	TCE-WQM2b	Cloudy	Rough	9:54	9.9	Surface	1.0	1	21.0	8.2	31.2	7.1	95.5	2.0	3.6	7.1	2.4	4.7								
							2	21.0	8.2	31.2	7.1	95.5	2.0	3.1												
Middle						5.0	1	21.0	8.2	31.3	7.1	95.8	2.5	4.9												
						2	21.0	8.2	31.3	7.1	95.8	2.6	4.6													
Bottom	8.9					1	20.9	8.2	31.4	7.2	96.3	2.6	6.2													
						2	20.9	8.2	31.4	7.2	96.3	2.5	5.8													
	TCE-WQM3A	Cloudy	Moderate	9:29	4.7	Surface	1.0	1	21.1	8.2	30.9	6.3	84.9	3.9	3.9	6.3	4.8	4.2								
							2	21.1	8.2	30.9	6.3	84.9	3.8	3.5												
Bottom						3.7	1	21.1	8.2	31.2	6.3	84.6	5.8	4.5												
						2	21.1	8.2	31.2	6.3	84.7	5.8	4.9													
	TCE-WQM4					Cloudy	Moderate	9:13	3.9	Surface	1.0	1	21.1	8.1	29.7				6.7	89.5	6.1	4.6	6.7	6.3	4.0	
											2	21.1	8.1	29.6	6.7				89.6	6.2	4.3					
Bottom		2.9	1	21.1	8.1					29.7	6.6	87.6	6.5	3.7												
		2	21.1	8.1	29.7					6.6	87.6	6.5	3.7													
		2	21.1	8.1	29.7					6.6	87.6	6.6	3.3													

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)								
2023-03-29	Mid-Ebb	TCE-C1	Cloudy	Moderate	20:00	8.3	Surface	1.0	1	20.5	8.1	31.2	7.1	94.0	2.0	3.5	7.0	4.7	4.3								
									2	20.5	8.1	31.2	7.1	93.9	2.0	3.9											
							Middle	4.2	1	20.5	8.1	32.0	6.9	92.8	2.5	4.1											
									2	20.5	8.1	32.0	6.9	92.9	2.3	4.4											
							Bottom	7.3	1	20.5	8.1	32.3	7.0	93.6	9.4	5.2											
									2	20.5	8.1	32.2	7.0	93.7	10.0	4.8											
				2	20.5	8.1	32.2	7.0	93.7	10.0	4.8																
		TCE-C2	Cloudy	Moderate	21:50	14.4	Surface	1.0	1	20.7	8.0	31.8	6.5	87.0	1.0	3.4	6.5	1.1	3.1								
				2	20.7	8.0	31.9	6.5	87.0	1.0	3.7																
		Middle	7.2	1	20.6	8.1	32.0	6.5	87.5	1.1	3.2																
				2	20.6	8.1	32.1	6.5	87.6	1.1	2.9																
		Bottom	13.4	1	20.6	8.1	32.1	6.6	89.0	1.2	2.8																
			2	20.6	8.1	32.1	6.6	89.1	1.1	2.5																	
			2	20.4	8.0	30.5	6.8	89.9	5.2	7.8																	
	TCE-WQM1	Cloudy	Moderate	20:43	8.2	Surface	1.0	1	20.4	8.0	30.8	6.8	90.3	5.2	7.9	6.8	5.3	6.8									
			2	20.4	8.0	30.8	6.8	90.3	5.2	7.9																	
	Middle	4.1	1	20.5	8.1	31.2	6.9	91.3	5.2	6.7																	
			2	20.5	8.1	31.2	6.9	91.5	5.3	6.4																	
	Bottom	7.2	1	20.5	8.1	31.3	7.0	92.8	5.6	6.1																	
			2	20.5	8.1	31.3	7.0	93.1	5.5	5.8																	
			2	20.5	8.1	31.3	7.0	93.1	5.5	5.8																	
	TCE-WQM2a	Cloudy	Moderate	21:14	6.7	Surface	1.0	1	20.6	8.0	30.1	6.6	87.2	1.8	4.0	6.5	2.9	4.4									
			2	20.6	8.0	30.1	6.6	87.2	1.8	3.6																	
	Middle	3.4	1	20.7	8.0	30.8	6.4	85.5	2.4	4.6																	
		2	20.7	8.0	30.9	6.4	85.6	2.5	4.3																		
Bottom	5.7	1	20.8	8.0	31.3	6.4	86.0	4.2	5.2																		
		2	20.8	8.0	31.3	6.4	86.1	4.7	4.9																		
		2	20.8	8.0	31.3	6.4	86.1	4.7	4.9																		
TCE-WQM2b	Cloudy	Moderate	21:25	11.7	Surface	1.0	1	20.7	8.0	30.7	6.7	89.0	1.7	5.3	6.6	2.3	4.6										
		2	20.7	8.0	30.7	6.7	88.9	1.7	5.6																		
Middle	5.9	1	20.6	8.0	31.3	6.6	87.6	2.5	4.8																		
		2	20.6	8.0	31.4	6.6	87.7	2.5	4.4																		
Bottom	10.7	1	20.6	8.1	31.4	6.6	88.7	2.8	4.0																		
		2	20.6	8.1	31.4	6.7	89.1	2.8	3.7																		
		2	20.6	8.1	31.4	6.7	89.1	2.8	3.7																		
TCE-WQM3A	Cloudy	Moderate	21:04	4.6	Surface	1.0	1	20.5	8.0	29.7	7.0	92.9	4.2	7.3	7.0	4.3	6.7										
		2	20.5	8.0	29.7	7.0	93.1	4.2	7.1																		
Bottom	3.6	1	20.5	8.0	29.7	7.2	94.6	4.3	5.9																		
		2	20.5	8.0	29.7	7.2	95.1	4.4	6.3																		
TCE-WQM4	Cloudy	Moderate	20:54	3.7	Surface	1.0	1	20.4	8.0	30.0	6.9	91.0	3.4	4.3				6.9	3.4	5.0							
		2	20.4	8.0	30.0	7.0	92.3	3.6	4.8																		
Bottom	2.7	1	20.4	8.0	30.0	7.1	93.6	3.3	5.2																		
		2	20.4	8.0	30.0	7.1	94.0	3.3	5.5																		
		2	20.4	8.0	30.0	7.1	94.0	3.3	5.5																		
		2	20.4	8.0	30.0	7.1	94.0	3.3	5.5																		
		2	20.4	8.0	30.0	7.1	94.0	3.3	5.5																		
2023-03-29	Mid-Flood	TCE-C1	Cloudy	Moderate	7:20	8.8	Surface	1.0	1	20.5	8.1	31.3	7.1	94.6	2.0	6.2	7.1	4.5	6.8								
									2	20.5	8.1	31.4	7.1	94.7	2.0	6.5											
							Middle	4.4	1	20.5	8.1	31.8	7.1	94.8	2.1	6.7											
									2	20.5	8.1	31.9	7.1	94.8	2.0	6.9											
							Bottom	7.8	1	20.3	8.1	32.5	7.2	95.7	9.5	7.1											
									2	20.3	8.1	32.5	7.2	96.1	9.3	7.4											
									2	20.3	8.1	32.5	7.2	96.1	9.3	7.4											
							TCE-C2	Cloudy	Moderate	5:33	14.2	Surface	1.0	1	20.5	7.9				30.8	6.4	85.7	1.1	2.6	6.4	1.3	3.1
									2	20.5	7.9	30.8	6.4	85.6	1.1	2.3											
							Middle	7.1	1	20.6	7.9	31.0	6.3	84.4	1.3	3.2											
									2	20.6	7.9	31.0	6.3	84.4	1.3	2.8											
							Bottom	13.2	1	20.6	7.9	30.7	6.4	85.1	1.4	3.5											
				2	20.6	7.9	30.6	6.4	85.2	1.3	3.9																
				2	20.6	7.9	30.6	6.4	85.2	1.3	3.9																
		TCE-WQM1	Cloudy	Moderate	6:41	8.1	Surface	1.0	1	20.3	8.0	30.2	6.7	88.4	4.9	3.3	6.7	5.8	4.1								
				2	20.3	8.0	30.3	6.7	88.4	5.0	3.7																
		Middle	4.1	1	20.4	8.1	30.8	6.7	88.5	5.5	4.2																
				2	20.4	8.1	30.9	6.7	88.5	5.7	4.0																
		Bottom	7.1	1	20.5	8.1	31.4	6.9	92.7	6.6	4.4																
				2	20.5	8.1	31.4	7.0	93.0	6.7	4.7																
				2	20.5	8.1	31.4	7.0	93.0	6.7	4.7																
		TCE-WQM2a	Cloudy	Moderate	6:10	6.8	Surface	1.0	1	20.5	8.0	30.1	6.7	88.3	1.6	2.3	6.6	4.1	3.0								
				2	20.5	8.0	30.1	6.7	88.3	1.6	2.6																
		Middle	3.4	1	20.6	8.0	30.4	6.6	87.3	3.9	2.8																
			2	20.6	8.0	30.4	6.6	87.2	4.1	3.0																	
	Bottom	5.8	1	20.7	8.0	30.7	6.6	87.9	6.4	3.3																	
			2	20.7	8.0	30.8	6.6	88.0	7.1	3.7																	
			2	20.7	8.0	30.8	6.6	88.0	7.1	3.7																	
	TCE-WQM2b	Cloudy	Moderate	5:58	11.7	Surface	1.0	1	20.6	8.0	31.0	6.4	85.8	2.2	2.9	6.4	3.2	3.2									
			2	20.6	8.0	31.0	6.4	85.7	2.2	2.5																	
	Middle	5.9	1	20.7	8.0	31.4	6.5	86.6	3.5	3.3																	
			2	20.7	8.0	31.4	6.5	86.7	3.5	3.0																	
	Bottom	10.7	1	20.7	8.0	31.5	6.6	88.0	3.8	3.5																	
			2	20.7	8.0	31.5	6.6	88.3	3.9	4.0																	
			2	20.7	8.0	31.5	6.6	88.3	3.9	4.0																	
	TCE-WQM3A	Cloudy	Moderate	6:20	4.7	Surface	1.0	1	20.5	8.0	29.7	6.7	89.1	3.6	1.9	6.7	4.1	2.2									
			2	20.5	8.0	29.7	6.8	89.2	3.6	1.9																	
	Bottom	3.7	1	20.4	8.0	29.7	6.8	89.9	4.7	2.5																	
			2	20.4	8.0	29.7	6.8	89.9	4.6	2.3																	
	TCE-WQM4	Cloudy	Moderate	6:30	3.4	Surface	1.0	1	20.4	8.0	29.9	6.8	90.3	2.6	5.4				6.8	3.8	6.0						
			2	20.4	8.0	29.9	6.9	90.5	2.6	5.0																	
	Bottom	2.4	1	20.3	8.1	30.0	7.1	93.5	5.0	7.0																	
			2	20.3	8.1	30.0	7.1	93.7	5.1	6.5																	
			2	20.3	8.1	30.0	7.1	93.7	5.1	6.5																	
			2	20.3	8.1	30.0	7.1	93.7	5.1	6.5																	

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)	
2023-03-31	Mid-Ebb	TCE-C1	Misty	Moderate	20:06	8.2	Surface	1.0	1	20.5	8.2	29.2	7.1	93.7	2.0	2.3	7.1	2.8	3.4	
									2	20.4	8.2	29.2	7.1	93.8	2.0	2.5				
							Middle	4.1	1	20.3	8.2	32.0	7.1	94.8	2.9	3.7				
									2	20.3	8.2	32.0	7.1	95.1	2.9	3.6				
							Bottom	7.2	1	20.3	8.2	31.9	7.2	95.9	3.6	4.4				
									2	20.3	8.2	31.7	7.2	96.1	3.5	3.8				
		TCE-C2	Misty	Moderate	21:46	14.0	Surface	1.0	1	20.6	8.1	31.8	6.4	85.5	1.2	2.5	6.4	1.6	3.6	
									2	20.6	8.1	31.8	6.4	85.6	1.2	2.9				
							Middle	7.0	1	20.6	8.1	32.0	6.5	86.6	1.7	3.4				
									2	20.6	8.1	32.0	6.5	86.9	1.8	4.0				
							Bottom	13.0	1	20.6	8.1	32.0	6.5	87.5	1.9	4.6				
									2	20.6	8.1	32.0	6.6	91.5	2.0	4.3				
	TCE-WQM1	Misty	Moderate	20:42	9.8	Surface	1.0	1	20.6	8.1	28.9	6.9	91.4	2.0	3.0	7.0	3.5	2.4		
								2	20.6	8.1	29.7	7.0	93.1	2.1	2.8					
						Middle	4.9	1	20.6	8.1	29.8	7.0	93.4	3.4	2.6					
								2	20.6	8.1	30.0	7.1	93.7	3.4	2.3					
						Bottom	8.8	1	20.4	8.1	30.4	7.2	95.2	4.9	1.9					
								2	20.3	8.1	30.4	7.3	95.9	4.8	1.7					
	TCE-WQM2a	Misty	Moderate	21:11	7.6	Surface	1.0	1	20.7	8.1	30.2	6.6	88.1	1.7	2.6	6.6	2.0	3.2		
								2	20.7	8.1	30.2	6.6	88.1	1.7	2.4					
						Middle	3.8	1	20.7	8.1	30.8	6.6	88.1	2.1	3.3					
								2	20.7	8.1	30.9	6.6	88.4	2.0	2.9					
						Bottom	6.6	1	20.7	8.1	31.0	7.0	93.6	2.3	4.2					
								2	20.7	8.1	30.9	7.1	94.6	2.2	3.9					
TCE-WQM2b	Misty	Moderate	21:22	12.6	Surface	1.0	1	20.7	8.1	30.5	6.4	85.9	1.7	4.0	6.4	2.3	3.6			
							2	20.7	8.1	30.6	6.4	85.7	1.7	4.3						
					Middle	6.3	1	20.6	8.1	31.2	6.4	86.0	2.1	3.8						
							2	20.6	8.1	31.3	6.4	86.2	2.1	3.5						
					Bottom	11.6	1	20.6	8.1	31.1	6.5	87.3	3.1	2.8						
							2	20.7	8.1	31.0	6.6	87.8	2.9	3.2						
TCE-WQM3A	Misty	Calm	21:02	4.2	Surface	1.0	1	20.7	8.1	29.4	7.0	93.2	3.7	2.9	7.1	4.1	3.7			
							2	20.7	8.1	29.5	7.1	93.9	3.7	3.4						
					Bottom	3.2	1	20.7	8.1	29.8	7.2	95.8	4.4	4.5						
							2	20.7	8.1	29.9	7.2	96.0	4.4	4.0						
					Surface	1.0	1	20.6	8.1	29.4	7.2	95.4	3.3	3.0				7.2	3.8	3.6
							2	20.6	8.1	29.4	7.2	95.7	3.2	2.6						
Bottom	3.8	1	20.6	8.1	30.0	7.4	98.3	4.3	4.7											
		2	20.6	8.1	30.0	7.4	98.4	4.3	4.2											
Surface	1.0	1	20.5	8.1	30.6	7.0	93.6	1.1	2.9	7.0	2.0	3.4								
		2	20.5	8.1	30.8	7.0	93.4	1.1	2.6											
Middle	4.2	1	20.3	8.1	31.3	7.0	93.1	1.8	3.7											
		2	20.2	8.1	31.6	7.0	92.9	1.9	3.2											
Bottom	7.4	1	20.1	8.1	32.1	7.0	93.6	3.0	4.3											
		2	20.0	8.1	32.2	7.0	99.7	3.0	3.9											
TCE-C2	Misty	Moderate	8:47	14.0	Surface	1.0	1	20.6	7.9	31.3	6.3	84.0	1.6	3.6	6.3	1.8	3.4			
							2	20.6	7.9	31.3	6.3	84.0	1.6	4.0						
					Middle	7.0	1	20.6	7.8	31.1	6.3	84.0	1.8	3.3						
							2	20.6	7.8	31.0	6.3	84.1	1.8	3.7						
					Bottom	13.0	1	20.5	7.6	30.4	6.4	85.5	2.1	2.5						
							2	20.5	7.6	30.1	6.5	86.0	2.1	3.0						
TCE-WQM1	Misty	Moderate	9:54	9.0	Surface	1.0	1	20.6	8.1	29.7	6.8	90.3	3.4	4.4	6.9	4.4	5.4			
							2	20.6	8.1	29.8	6.8	90.5	3.5	4.8						
					Middle	4.5	1	20.6	8.1	30.0	6.9	91.1	4.8	5.3						
							2	20.6	8.1	30.0	6.9	91.4	4.8	5.0						
					Bottom	8.0	1	20.6	8.1	30.1	7.0	92.6	5.1	6.6						
							2	20.6	8.1	30.1	7.0	93.1	5.0	6.0						
TCE-WQM2a	Misty	Moderate	9:24	6.4	Surface	1.0	1	20.7	8.0	28.3	6.5	86.0	1.4	4.7	6.5	2.4	4.0			
							2	20.7	8.0	28.3	6.5	86.0	1.4	4.3						
					Middle	3.2	1	20.7	8.0	28.7	6.4	85.5	2.8	3.8						
							2	20.7	8.0	30.8	6.4	85.4	2.8	4.0						
					Bottom	5.4	1	20.7	8.1	31.1	6.4	85.8	3.0	3.6						
							2	20.7	8.1	31.1	6.4	86.1	3.0	3.6						
TCE-WQM2b	Misty	Moderate	9:12	11.2	Surface	1.0	1	20.7	8.1	30.4	6.5	86.1	2.1	4.0	6.5	3.6	3.1			
							2	20.6	8.1	30.7	6.4	85.8	2.0	3.7						
					Middle	5.6	1	20.6	8.1	31.8	6.5	87.1	3.8	3.3						
							2	20.6	8.1	31.8	6.5	87.4	4.0	2.9						
					Bottom	10.2	1	20.5	8.1	31.8	6.6	88.9	5.0	2.2						
							2	20.5	8.1	31.8	6.7	89.6	5.0	2.5						
TCE-WQM3A	Misty	Calm	9:33	5.2	Surface	1.0	1	20.7	8.1	29.3	6.9	91.1	5.0	3.6	6.9	5.7	3.7			
							2	20.7	8.1	29.4	6.9	91.6	5.1	3.2						
					Bottom	4.2	1	20.7	8.1	29.9	7.1	94.3	6.3	4.1						
							2	20.7	8.1	29.9	7.2	95.5	6.2	3.8						
					Surface	1.0	1	20.6	8.0	29.2	6.5	86.2	4.8	4.5				6.5	5.2	5.0
							2	20.6	8.0	29.3	6.5	86.0	4.8	4.3						
Bottom	3.8	1	20.6	8.0	29.7	6.5	85.7	5.4	5.7											
		2	20.6	8.0	29.9	6.5	86.3	5.6	5.3											