

Annex G3

Monitoring Results for Water Quality

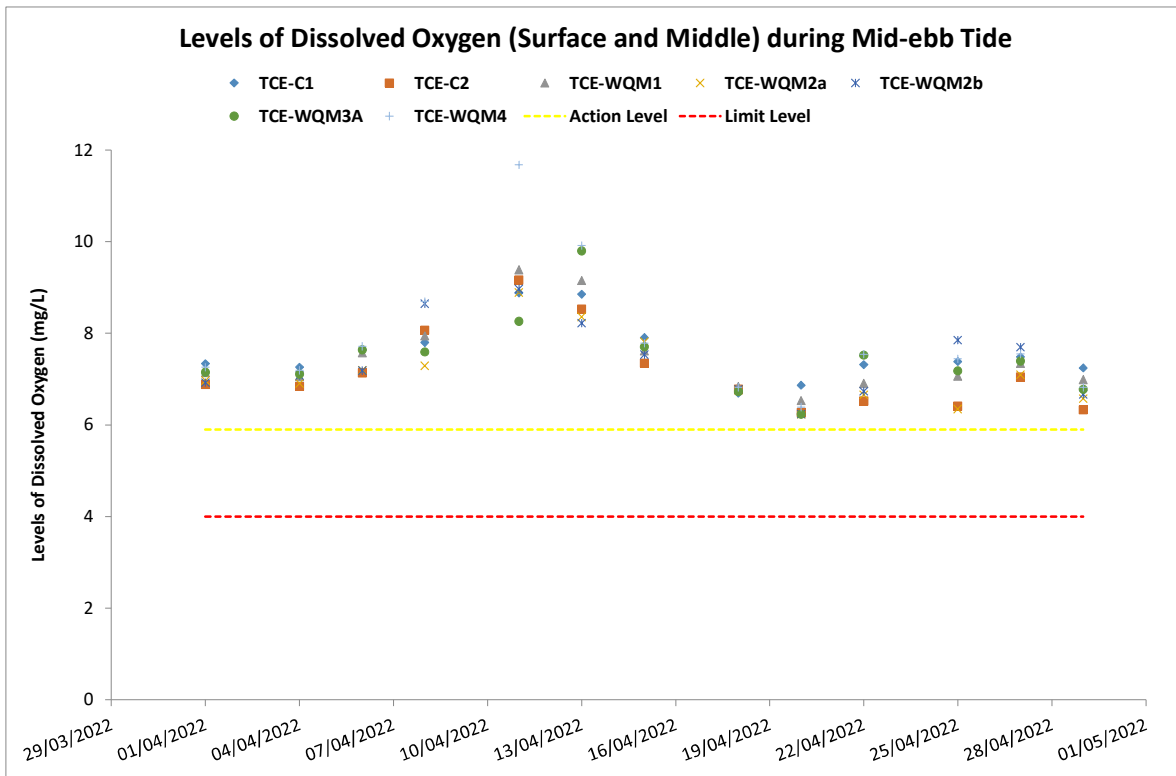


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2022

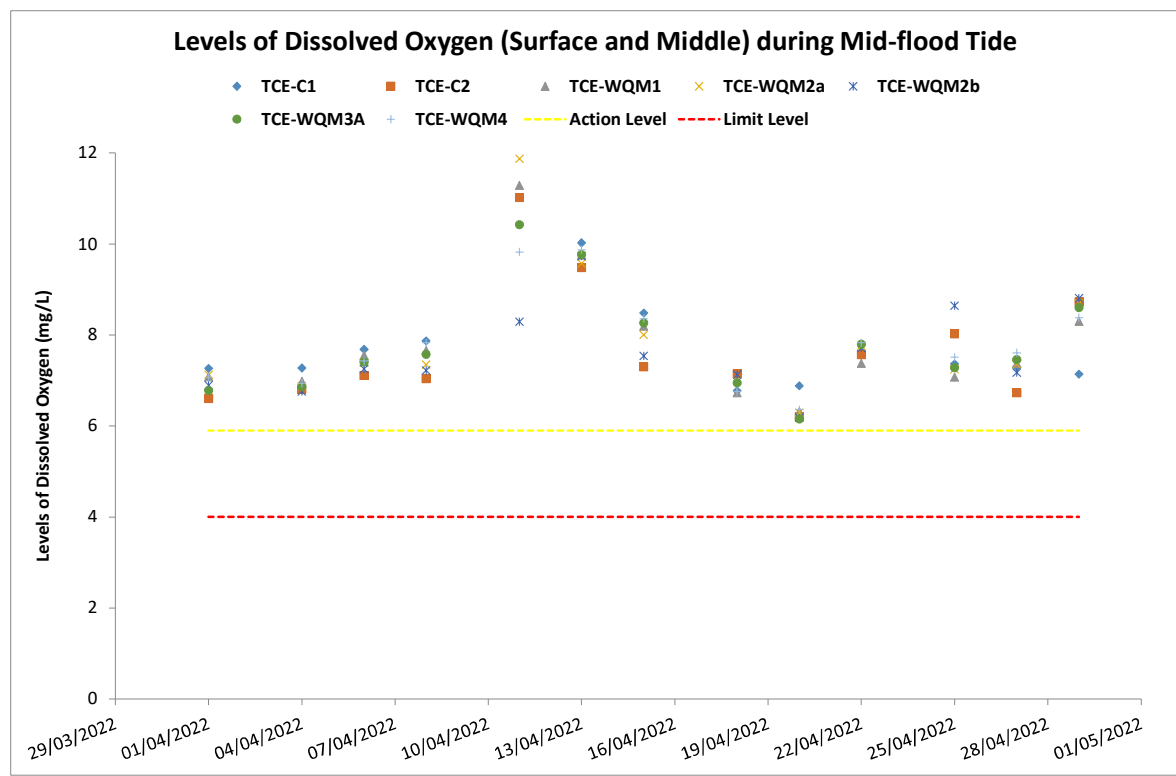


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2022

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: April 2022

Environmental Resources Management



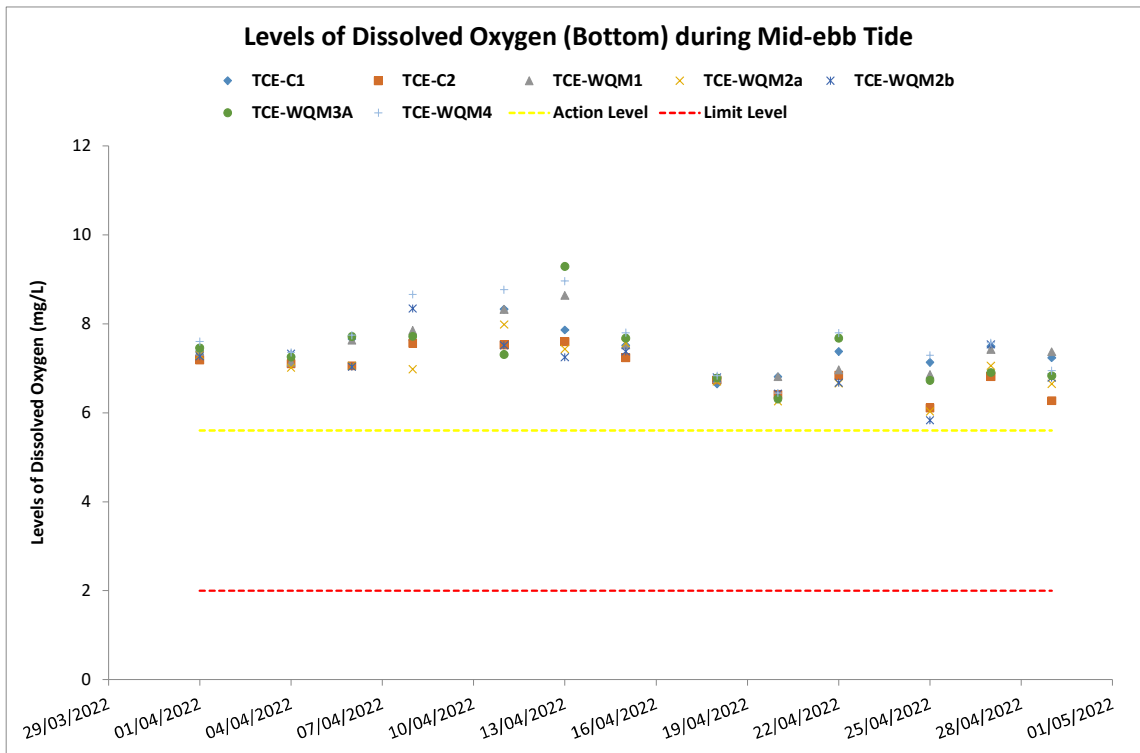


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2022

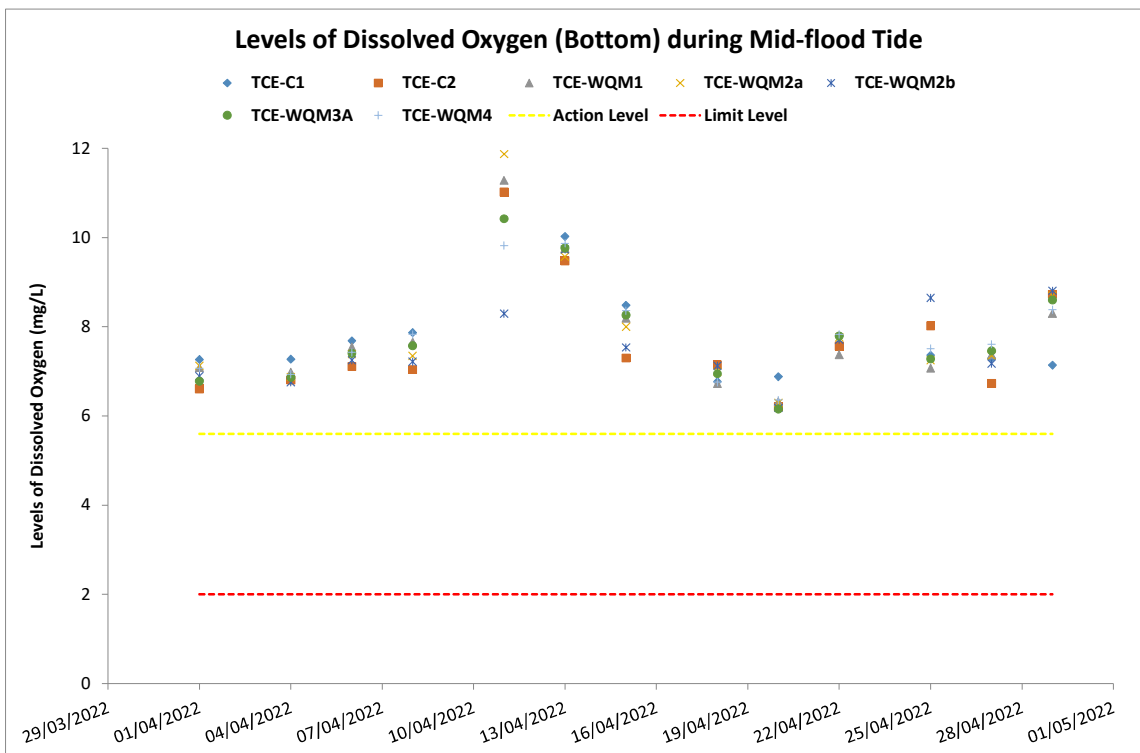


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2022

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: April 2022

**Environmental
 Resources
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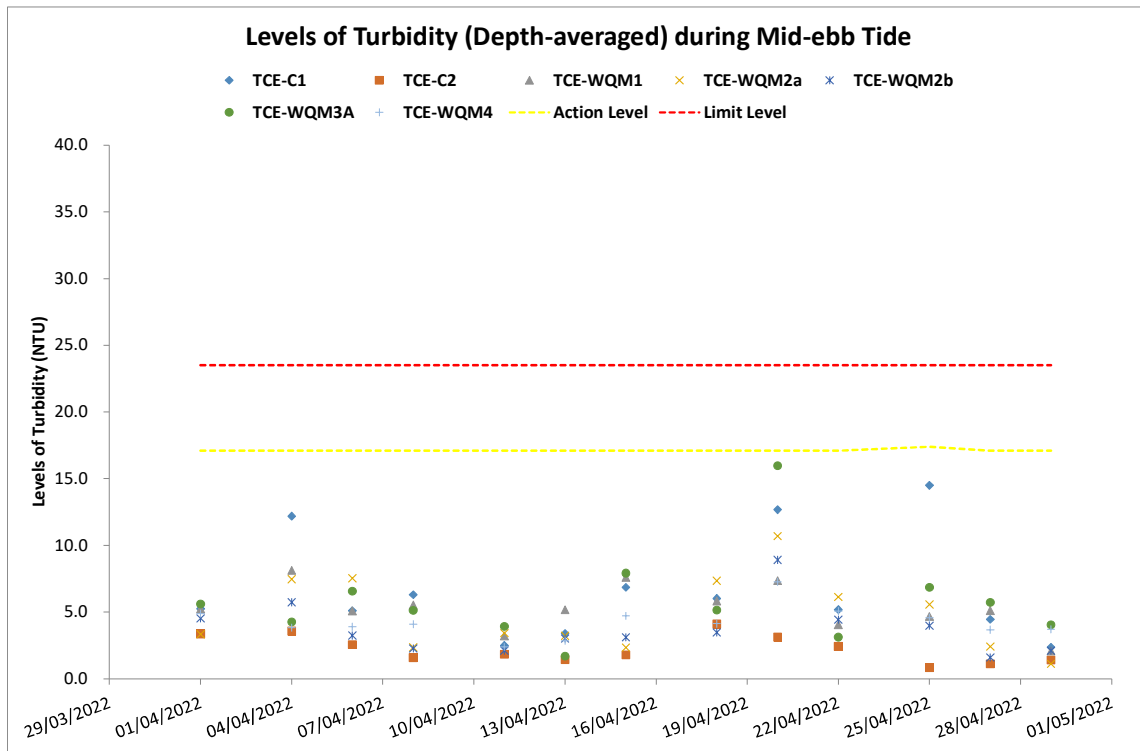


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2022

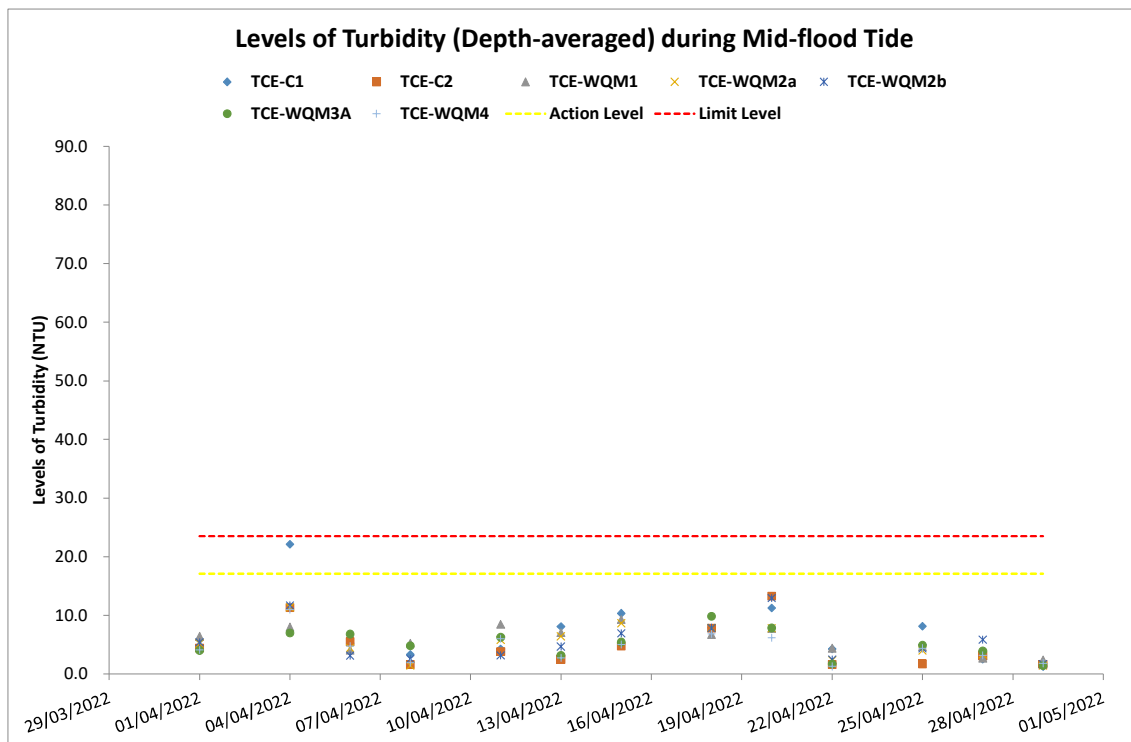


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2022

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

Date: April 2022

**Environmental
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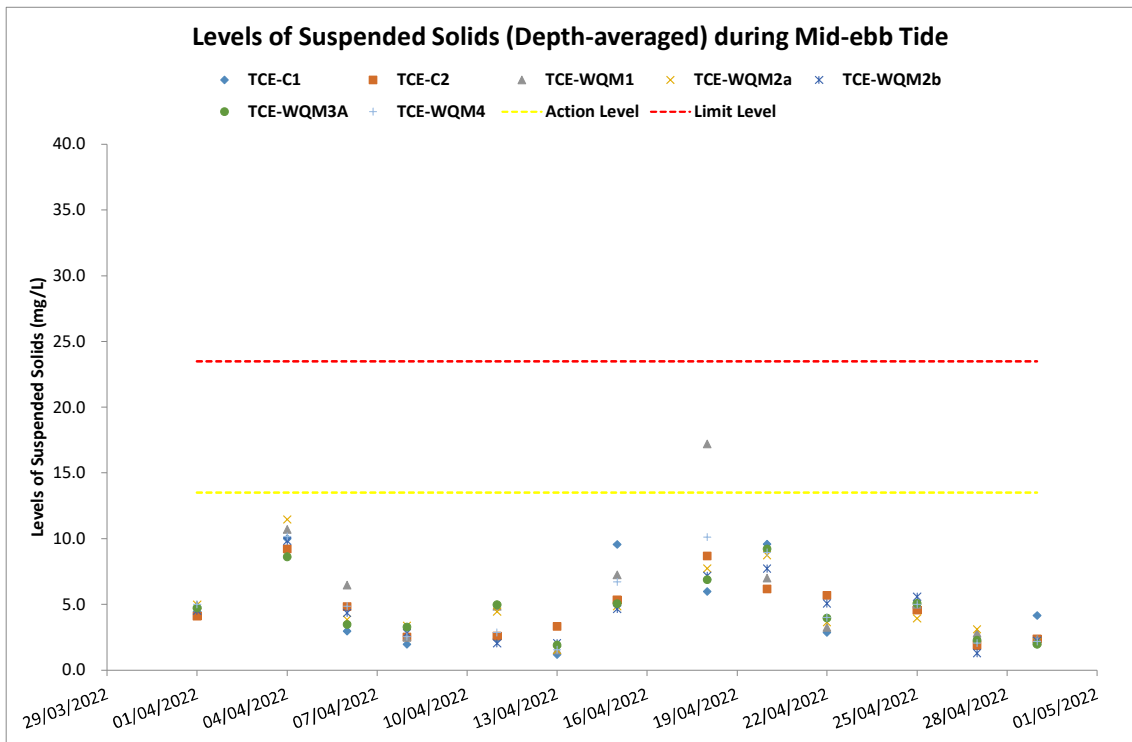


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 April 2022

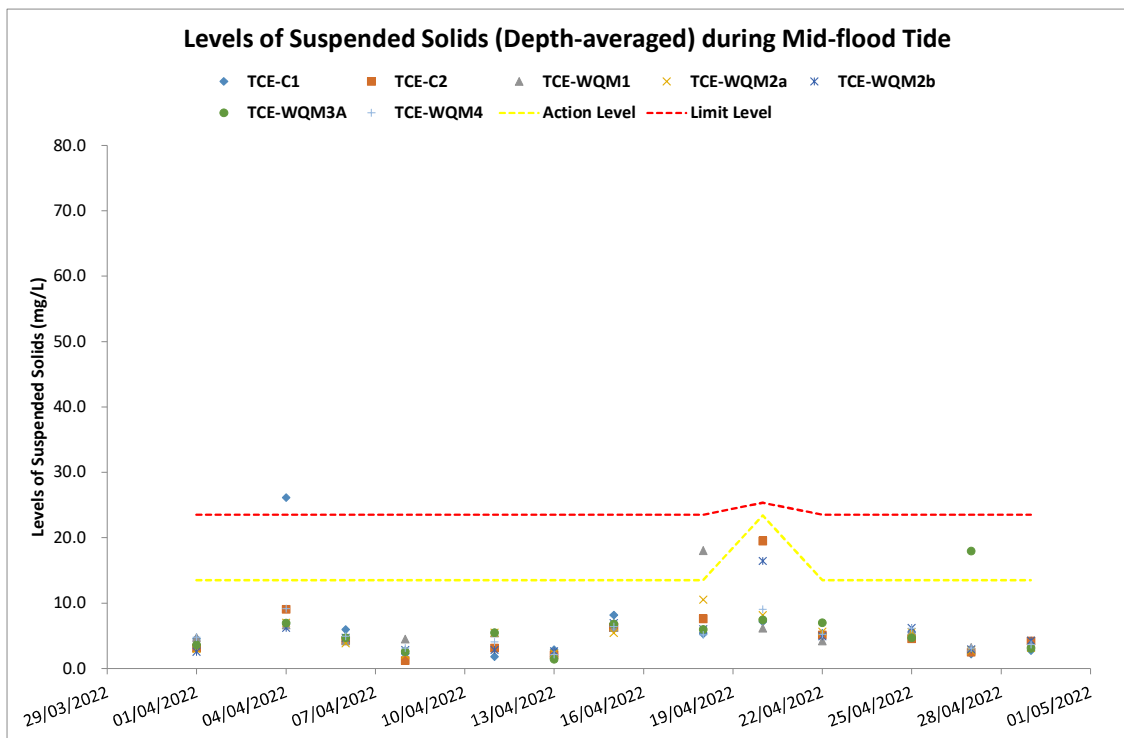


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 April 2022

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: April 2022

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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)	
2022-04-01	Mid-Ebb	TCE-C1	Misty	Moderate	11:46	8.2	Surface	1.0	1	20.1	8.0	28.5	7.3	95.6	4.1	5.2	7.3	5.3	4.4	
									2	20.1	8.0	28.7	7.3	95.7	4.1	5.7				
							Middle	4.1	1	20.1	8.0	29.1	7.3	96.0	5.2	4.0				
							Bottom	7.2	1	20.0	8.0	29.2	7.4	96.2	5.1	4.3				
						2	20.0	8.0	29.6	7.4	96.5	6.6	3.5	7.4						
				2	20.0	8.0	29.6	7.4	97.0	6.5	3.9									
		Surface	1.0	1	20.1	8.0	29.3	6.7	88.3	2.4	3.8									
				2	20.1	8.0	29.4	6.8	88.7	2.3	3.4									
				Middle	6.1	1	20.0	8.0	29.8	7.0	91.7	3.1	4.3	6.9	3.4	4.1				
				2	20.0	8.0	29.8	7.0	92.2	3.1	4.0									
		Bottom	11.2	1	20.0	8.0	29.9	7.2	93.7	4.7	4.7									
				2	20.0	8.0	29.9	7.2	94.9	4.6	4.4									
			TCE-WQM1	Misty	Moderate	12:23	8.2	Surface	1.0	1	20.6	8.0	27.8	7.1	92.5	4.0	4.2	7.1	5.2	4.9
			2					20.6	8.0	27.8	7.1	92.9	4.1	4.3						
			Middle					4.1	1	20.6	8.0	27.8	7.2	94.4	5.1	4.8				
			2					20.6	8.0	27.8	7.2	94.7	5.1	4.5						
					Bottom	7.2	1	20.3	8.0	28.0	7.4	96.0	6.5	5.8	7.4					
			2	20.2	8.0	28.1	7.4	96.5	6.6	6.0										
	Surface	1.0	1	20.3	8.0	28.2	6.9	90.2	2.9	3.8										
			2	20.3	8.0	28.2	6.9	90.2	2.9	4.0										
					Middle	4.0	1	20.3	8.0	28.4	7.0	91.7	3.0	4.8	7.0	3.3	5.0			
			2	20.3	8.0	28.5	7.1	92.2	3.1	5.2										
	Bottom	7.0	1	20.1	8.0	28.7	7.3	94.5	4.1	6.2										
			2	20.0	8.0	28.7	7.3	95.5	4.1	5.8										
		TCE-WQM2b	Misty	Moderate	13:04	10.0	Surface	1.0	1	20.3	8.0	28.5	6.9	89.7	3.5	3.6	6.9	4.5	4.5	
		2					20.3	8.0	28.5	6.9	90.2	3.5	4.0							
		Middle					5.0	1	20.2	8.0	28.7	7.0	91.2	4.8	4.7					
		2					20.2	8.0	28.7	7.0	91.5	4.9	4.4							
				Bottom	9.0	1	20.0	8.0	29.1	7.2	94.4	5.2	5.1	7.3						
		2	20.0	8.0	29.1	7.3	95.4	5.3	5.4											
Surface	1.0	1	20.5	8.0	27.7	7.1	93.2	5.0	5.0											
		2	20.5	8.0	27.8	7.2	93.6	5.0	5.4											
				Bottom	3.4	1	20.1	8.0	28.0	7.4	96.2	6.2	4.0	7.5	5.6	4.7				
		2	20.0	8.0	28.0	7.5	97.4	6.2	4.5											
Surface	1.0	1	20.6	8.0	27.8	7.3	94.9	4.2	4.0											
		2	20.6	8.0	27.8	7.3	95.2	4.1	3.6											
				Bottom	3.8	1	20.1	8.0	28.1	7.6	98.1	5.7	6.0	7.6	4.9	5.0				
		2	19.9	8.0	28.2	7.6	99.0	5.6	6.4											
Surface	1.0	1	20.2	8.0	28.3	7.3	94.5	4.2	3.9											
		2	20.2	8.0	28.4	7.3	94.7	4.1	4.2											
				Middle	4.0	1	20.1	8.0	29.0	7.3	95.2	6.4	4.4	7.3	5.9	4.5				
		2	20.1	8.0	29.0	7.3	95.3	6.3	4.7											
Bottom	7.0	1	19.8	8.0	29.5	7.4	96.2	7.1	5.2											
		2	19.7	8.0	29.5	7.4	96.5	7.1	4.8											
		TCE-C2	Misty	Moderate	6:16	12.4	Surface	1.0	1	20.2	7.8	28.8	6.6	86.3	3.5	4.0	6.6	4.4	3.1	
		2					20.1	7.8	28.9	6.6	86.3	3.6	3.6							
		Middle					6.2	1	20.1	7.8	29.2	6.6	86.4	4.1	3.4					
		2					20.1	7.8	29.2	6.6	86.5	4.1	3.2							
				Bottom	11.4	1	20.1	7.8	29.1	6.7	87.5	5.6	2.5	6.7						
		2	20.1	7.8	29.1	6.7	88.1	5.7	2.1											
Surface	1.0	1	20.7	7.9	27.7	7.0	91.8	5.2	3.6											
		2	20.7	7.9	27.7	7.0	92.0	5.2	3.4											
				Middle	4.0	1	20.7	7.9	27.7	7.1	93.6	6.5	4.7	7.1	6.4	4.7				
		2	20.7	7.9	27.7	7.2	94.0	6.6	4.6											
Bottom	7.0	1	20.7	7.9	27.7	7.3	95.3	7.6	6.2											
		2	20.7	7.9	27.7	7.3	96.0	7.6	5.9											
		TCE-WQM2a	Misty	Moderate	6:50	6.4	Surface	1.0	1	20.4	7.9	27.6	7.1	92.1	4.6	2.5	7.1	5.2	3.0	
		2					20.4	7.9	27.6	7.1	92.1	4.6	2.2							
		Middle					3.2	1	20.4	7.9	27.6	7.2	93.5	5.1	3.0					
		2					20.4	7.9	27.6	7.2	94.0	5.0	2.8							
				Bottom	5.4	1	20.4	7.9	27.6	7.3	95.6	6.1	3.5	7.4						
		2	20.4	7.9	27.6	7.4	96.1	6.1	3.9											
Surface	1.0	1	20.4	7.9	27.7	6.8	88.8	4.1	3.0											
		2	20.4	7.9	27.8	6.8	88.9	4.1	2.8											
				Middle	5.2	1	20.3	7.9	28.1	7.0	91.0	5.3	2.4	6.9	5.4	2.6				
		2	20.3	7.9	28.1	7.0	91.2	5.3	2.6											
Bottom	9.4	1	20.3	7.9	28.2	7.1	93.2	6.8	2.1											
		2	20.3	7.9	28.2	7.2	93.9	6.8	2.4											
		TCE-WQM3A	Misty	Moderate	7:00	4.0	Surface	1.0	1	20.4	7.9	27.9	6.8	88.5	3.3	3.0	6.8	4.0	3.6	
		2					20.4	7.9	27.9	6.8	88.5	3.3	3.4							
		Bottom					3.0	1	20.4	7.9	27.9	6.9	89.9	4.7	4.2					
		2					20.4	7.9	27.8	7.2	93.6	4.7	3.9							
		TCE-WQM4	Misty	Moderate	7:10	3.8	Surface	1.0	1	20.4	7.9	27.6	7.1	91.9	3.7	4.4	7.1	4.1	4.8	
		2					20.4	7.9	27.7	7.1	92.4	3.8	4.3							
		Bottom					2.8	1	20.4	7.9	27.7	7.2	94.1	4.4	5.0					
		2					20.4	7.9	27.7	7.3	94.6	4.5	5.4							

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)
2022-04-04	Mid-Ebb	TCE-C1	Fine	Moderate	13:12	8.5	Surface	1.0	1	19.2	8.1	31.2	7.3	94.6	13.3	8.8	7.3	12.2	10.0
									2	19.2	8.1	31.2	7.3	94.6	13.3	9.2			
							Middle	4.3	1	19.2	8.1	31.2	7.3	94.5	10.9	9.6			
									2	19.2	8.1	31.2	7.3	94.5	10.5	10.0			
				1	19.2	8.1	31.2	7.3	94.6	13.0	11.1								
				2	19.2	8.1	31.2	7.3	94.7	12.2	11.3								
		TCE-C2	Fine	Moderate	15:03	13.0	Surface	1.0	1	19.9	8.0	30.0	6.8	89.4	3.2	10.2	6.8	3.6	9.2
									2	19.8	8.0	30.0	6.8	89.3	3.1	10.6			
							Middle	6.5	1	19.5	8.0	30.5	6.8	89.3	3.7	9.1			
									2	19.5	8.0	30.5	6.9	89.4	3.8	8.7			
				1	19.5	8.0	30.5	7.1	92.5	3.8	8.6								
				2	19.5	8.0	30.5	7.1	92.8	3.7	8.1								
	TCE-WQM1	Fine	Moderate	13:59	8.6	Surface	1.0	1	19.3	8.0	29.1	7.0	90.8	7.7	9.8	7.1	8.1	10.7	
								2	19.3	8.0	29.1	7.0	90.8	7.7	10.2				
						Middle	4.3	1	19.3	8.0	29.1	7.1	91.2	8.0	10.5				
								2	19.3	8.0	29.1	7.1	91.2	8.0	10.8				
			1	19.3	8.0	29.1	7.1	92.0	8.7	11.7									
			2	19.3	8.0	29.1	7.1	92.1	8.7	11.2									
	TCE-WQM2a	Fine	Moderate	14:29	7.7	Surface	1.0	1	19.6	8.0	29.1	6.9	89.4	6.5	10.5	6.9	7.5	11.5	
								2	19.6	8.0	29.1	6.9	89.4	6.5	10.8				
						Middle	3.9	1	19.6	8.0	29.2	6.9	89.4	7.5	11.2				
								2	19.6	8.0	29.3	6.9	89.9	8.0	11.5				
			1	19.6	8.0	29.4	7.0	90.9	8.2	12.1									
			2	19.6	8.0	29.4	7.0	91.1	8.2	12.6									
	TCE-WQM2b	Fine	Moderate	14:39	10.6	Surface	1.0	1	19.6	8.0	29.4	7.0	90.7	5.8	11.2	7.1	5.7	9.8	
								2	19.6	8.0	29.5	7.0	90.8	5.9	10.9				
						Middle	5.3	1	19.6	8.0	29.7	7.2	93.3	5.7	9.7				
								2	19.6	8.0	29.7	7.2	93.5	5.7	9.5				
			1	19.6	8.0	29.7	7.3	95.2	5.7	9.0									
			2	19.6	8.0	29.7	7.3	95.5	5.8	8.7									
	TCE-WQM3A	Fine	Moderate	14:19	4.7	Surface	1.0	1	19.5	8.0	29.0	7.1	91.8	3.9	7.3	7.1	4.3	8.6	
								2	19.5	8.0	29.0	7.1	92.1	4.1	7.9				
						Bottom	3.7	1	19.4	8.0	29.1	7.2	93.5	4.6	9.5				
			2	19.4	8.0	29.1	7.3	93.9	4.5	9.8									
	TCE-WQM4	Fine	Moderate	14:10	3.3	Surface	1.0	1	19.6	8.0	28.8	7.2	92.9	3.4	11.0	7.2	3.8	10.2	
								2	19.6	8.0	28.8	7.2	93.3	3.4	10.7				
Bottom						2.3	1	19.5	8.0	28.8	7.3	94.8	4.3	9.3					
		2	19.5	8.0	28.8	7.4	95.1	4.3	9.7										
2022-04-04	Mid-Flood	TCE-C1	Fine	Moderate	9:28	8.6	Surface	1.0	1	19.2	8.1	31.2	7.3	94.8	20.3	31.2	7.3	22.1	26.1
									2	19.2	8.1	31.2	7.3	94.8	21.2	29.8			
							Middle	4.3	1	19.2	8.0	31.2	7.3	94.7	20.2	25.0			
									2	19.2	8.0	31.2	7.3	94.7	18.7	24.6			
				1	19.2	8.0	31.2	7.3	94.7	25.2	23.1								
				2	19.2	8.0	31.2	7.3	94.7	27.2	23.1								
		TCE-C2	Fine	Moderate	7:34	13.2	Surface	1.0	1	19.5	7.9	29.2	6.8	88.0	9.5	7.2	6.8	11.3	9.0
									2	19.5	7.9	29.2	6.8	88.0	9.5	7.7			
							Middle	6.6	1	19.5	7.9	29.2	6.8	88.1	11.5	8.9			
									2	19.5	7.9	29.2	6.8	88.1	11.6	9.3			
				1	19.5	7.9	29.2	6.9	88.9	12.8	10.9								
				2	19.5	7.9	29.2	6.9	88.9	12.8	10.2								
		TCE-WQM1	Fine	Moderate	8:46	8.4	Surface	1.0	1	19.4	7.9	28.7	6.9	88.5	5.7	7.5	7.0	8.0	6.7
									2	19.4	7.9	28.7	6.9	88.6	5.8	7.2			
							Middle	4.2	1	19.3	7.9	28.8	7.1	91.0	7.3	6.5			
									2	19.3	7.9	28.8	7.1	91.3	7.4	6.3			
				1	19.3	8.0	29.0	7.4	95.0	10.9	6.1								
				2	19.3	8.0	29.0	7.4	95.4	11.1	6.4								
		TCE-WQM2a	Fine	Moderate	8:15	8.0	Surface	1.0	1	19.6	7.9	29.1	6.9	88.8	8.4	8.7	6.9	11.4	7.0
									2	19.6	7.9	29.1	6.9	88.8	8.4	8.2			
							Middle	4.0	1	19.5	7.9	29.1	6.9	89.1	11.4	7.2			
									2	19.5	7.9	29.1	6.9	89.2	11.4	6.9			
				1	19.5	7.9	29.2	7.0	90.4	14.2	5.7								
				2	19.5	7.9	29.2	7.0	90.5	14.4	5.2								
		TCE-WQM2b	Fine	Moderate	8:03	10.8	Surface	1.0	1	19.5	7.9	29.2	6.8	87.6	9.0	5.8	6.8	11.7	6.2
									2	19.5	7.9	29.2	6.8	87.6	9.1	5.5			
							Middle	5.4	1	19.5	7.9	29.2	6.8	87.4	11.7	6.4			
									2	19.5	7.9	29.2	6.8	87.4	12.1	6.0			
				1	19.5	7.9	29.3	6.8	87.4	14.6	6.9								
				2	19.5	7.9	29.3	6.8	87.5	13.7	6.5								
		TCE-WQM3A	Fine	Moderate	8:26	4.8	Surface	1.0	1	19.3	7.9	28.9	6.9	88.4	5.9	7.9	6.9	7.0	7.0
									2	19.3	7.9	28.9	6.9	88.5	6.3	8.2			
							Bottom	3.8	1	19.3	7.9	29.0	6.9	89.3	8.2	5.8			
				2	19.3	7.9	29.0	6.9	89.4	7.5	5.9								
		TCE-WQM4	Fine	Moderate	8:35	4.0	Surface	1.0	1	19.5	7.9	29.2	6.9	89.6	13.2	7.6	6.9	11.0	9.2
									2	19.5	7.9	29.2	6.9	89.7	13.2	7.3			
Bottom	3.0						1	19.4	7.9	29.2	7.1	91.5	8.7	10.7					
		2	19.4	7.9	29.2	7.1	91.5	8.7	11.0										

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)	
2022-04-06	Mid-Ebb	TCE-C1	Fine	Calm	14:21	7.8	Surface	1.0	1	20.1	8.1	31.4	7.7	101.7	4.2	2.2	7.6	5.1	3.0	
									2	20.1	8.1	31.4	7.7	101.6	4.1	2.2				
							Middle	3.9	1	20.0	8.0	31.8	7.6	100.8	5.1	3.0				
							Bottom	6.8	1	19.9	8.0	31.8	7.6	100.8	5.1	3.5				
						2	19.9	8.0	31.6	7.7	101.3	6.1	3.7	7.7						
				2	19.9	8.0	31.6	7.7	101.4	6.1	3.2									
		Surface	1.0	1	21.0	8.0	30.0	7.4	98.2	1.4	3.7									
				2	20.8	8.0	30.2	7.4	98.1	1.5	4.0									
						1	20.3	8.0	31.3	6.9	92.1	2.7	4.6	7.1	2.6	4.8				
		Middle	6.2	1	20.3	8.0	31.3	6.9	92.2	2.6	4.1									
		Bottom	11.4	1	20.2	8.0	31.2	7.0	93.5	3.6	6.5									
				2	20.2	8.0	31.2	7.1	93.8	3.6	6.1									
						1	21.1	8.0	28.9	7.6	100.8	4.0	5.1	7.6	5.1	6.5				
				2	21.1	8.0	28.9	7.6	100.8	4.1	5.5									
		Middle	4.1	1	21.0	8.0	29.0	7.6	100.7	5.0	6.2									
		Bottom	7.2	1	21.0	8.0	28.7	7.6	101.3	6.2	7.5									
						2	21.0	8.0	28.7	7.6	101.5	6.2	7.9	7.6						
				1	20.8	8.0	29.5	7.4	97.7	6.4	3.3									
				2	20.8	8.0	29.5	7.4	97.7	6.4	3.5									
		Middle	4.0	1	20.4	7.9	30.7	7.1	93.6	8.1	3.9									
						2	20.4	7.9	30.7	7.1	93.6	8.0	3.8	7.2	7.5	3.8				
		Bottom	7.0	1	20.4	7.9	30.6	7.1	93.6	8.2	4.4									
				2	20.4	7.9	30.6	7.1	93.5	8.1	4.1									
						1	20.9	8.0	29.4	7.3	97.1	2.1	3.3				7.2	3.2	4.4	
			2	20.9	8.0	29.4	7.3	96.9	2.1	2.9										
	Middle	5.1	1	20.5	8.0	30.5	7.1	94.0	3.2	4.3										
	Bottom	9.2	1	20.5	8.0	30.6	7.1	93.8	3.2	4.5										
					2	20.5	8.0	30.5	7.0	93.4	4.6	5.3	7.0							
			1	20.5	8.0	30.4	7.0	93.5	4.5	5.8										
					1	21.4	8.0	28.0	7.6	101.7	6.1	3.8				7.6	6.6	3.5		
			2	21.3	8.0	28.0	7.6	101.6	6.1	3.6										
	Bottom	3.4	1	21.1	8.0	28.0	7.7	102.0	7.0	3.4										
			2	21.1	8.0	27.9	7.7	102.4	7.1	3.1										
					1	20.9	8.0	29.1	7.7	102.5	3.1	5.4	7.7	3.9	4.9					
			2	20.9	8.0	29.1	7.7	102.6	3.2	5.8										
	Bottom	3.0	1	20.9	7.9	29.0	7.7	102.7	4.6	4.2										
			2	20.9	7.9	29.0	7.8	102.9	4.7	4.1										
	2022-04-06	Mid-Flood	TCE-C1	Fine	Calm	10:50	7.8	Surface	1.0	1	20.2	8.0	29.2	7.8	101.5	3.6	5.0	7.7	5.3	6.0
										2	20.1	8.0	29.2	7.7	101.3	3.7	5.3			
								Middle	3.9	1	20.0	8.0	31.6	7.6	101.1	5.7	5.7			
								Bottom	6.8	1	20.0	8.0	31.5	7.6	101.1	5.7	6.1			
							2	20.1	8.0	31.3	7.6	100.9	6.4	6.6	7.6					
					2	20.1	8.0	31.2	7.6	101.1	6.5	7.0								
			Surface	1.0	1	20.6	7.9	29.9	7.2	95.6	2.9	3.9								
					2	20.6	7.9	29.9	7.2	95.6	3.0	3.5								
							1	20.4	7.9	30.7	7.0	93.1	6.5	4.4	7.1	5.5	4.3			
			Middle	6.0	1	20.4	7.9	30.8	7.0	92.9	6.6	4.0								
			Bottom	11.0	1	20.3	7.9	31.3	6.9	91.6	7.0	4.8								
				2	20.3	7.9	31.3	6.9	91.6	7.0	5.2									
						1	20.8	8.0	29.2	7.6	100.2	2.7	3.1	7.5	4.1	4.2				
				2	20.8	8.0	29.2	7.6	100.3	3.0	3.2									
Middle			4.0	1	20.7	8.0	29.5	7.5	99.9	4.0	4.6									
Bottom			7.0	1	20.7	8.0	29.6	7.5	99.8	4.1	4.4									
						2	20.7	7.9	29.5	7.6	100.1	5.4	5.2	7.6						
				2	20.7	7.9	29.5	7.6	100.4	5.3	4.8									
Surface			1.0	1	20.9	7.9	28.3	7.4	97.8	3.2	3.2									
				2	20.9	7.9	28.3	7.4	97.8	3.2	3.0									
						1	20.8	7.9	28.8	7.4	97.6	4.4	4.0	7.4	4.4	3.9				
Middle			3.4	1	20.8	7.9	28.8	7.4	97.6	4.6	3.7									
Bottom			5.8	1	20.7	7.9	29.0	7.4	98.2	5.7	4.5									
				2	20.7	7.9	28.9	7.5	98.5	5.5	4.9									
						1	20.9	7.9	29.1	7.3	96.5	2.0	4.1	7.3	3.1	4.7				
				2	20.9	7.9	29.1	7.3	96.5	2.1	4.4									
Middle			5.1	1	20.8	7.9	29.2	7.2	95.9	3.1	4.8									
Bottom			9.2	1	20.8	7.9	29.2	7.2	95.9	3.1	4.6									
						2	20.7	7.9	29.0	7.3	96.8	4.2	4.9	7.3						
				2	20.7	7.9	29.0	7.3	97.0	4.3	5.3									
Surface			1.0	1	20.9	7.9	28.3	7.4	97.8	6.4	5.8									
				2	20.9	7.9	28.3	7.4	97.9	6.6	5.4									
						1	20.9	7.9	28.2	7.5	98.9	7.2	4.0	7.5	6.8	4.7				
Bottom			3.0	1	20.9	7.9	28.2	7.5	99.0	7.2	3.6									
				2	20.8	7.9	28.2	7.5	99.0	7.2	3.6									
						1	21.0	7.9	28.6	7.4	98.3	4.3	4.0				7.4	4.8	4.9	
				2	21.0	7.9	28.5	7.4	98.4	4.4	4.2									
Bottom			2.8	1	20.6	7.9	28.5	7.6	99.8	5.3	6.0									
				2	20.5	7.9	28.5	7.6	100.1	5.2	5.5									

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)							
2022-04-08	Mid-Ebb	TCE-C1	Fine	Calm	15:58	7.8	Surface	1.0	1	22.3	8.1	27.0	8.0	107.7	3.6	1.5	7.8	6.3	2.0							
									2	22.3	8.1	26.9	8.0	107.4	3.9	1.7										
							Middle	3.9	1	20.5	8.1	31.6	7.6	101.8	7.1	1.7										
							Bottom	6.8	1	20.5	8.1	31.7	7.6	101.7	7.1	1.9										
						2	20.5	8.1	31.8	7.6	102.1	8.0	2.6	7.6												
				2	20.5	8.1	31.8	7.6	102.2	8.1	2.4															
		Surface	1.0	1	21.9	8.0	28.7	8.1	109.5	1.1	2.8															
				2	21.9	8.0	28.7	8.1	109.1	1.0	2.8															
				Middle	5.9	1	21.4	8.0	29.8	8.0	108.0	1.3	2.7	8.1	1.6	2.5										
				2	21.3	8.0	30.1	8.0	107.9	1.4	2.5															
		Bottom	10.8	1	20.8	8.0	31.5	7.5	101.4	2.4	2.1															
				2	20.9	8.0	31.5	7.6	102.0	2.4	2.2															
				TCE-WQM1	Fine	Calm	17:06	8.2	Surface	1.0	1	21.6	8.1	28.9	8.0	107.5	4.8	3.0	7.9	5.5	2.5					
				2					21.5	8.1	29.0	8.0	107.2	4.7	2.7											
				Middle					4.1	1	21.3	8.1	29.3	7.9	105.7	5.0	2.6									
				2					21.3	8.1	29.3	7.9	105.5	5.1	2.2											
				Bottom	7.2	1	21.2	8.1	29.5	7.9	105.0	6.9	2.1	7.9												
				2	21.2	8.1	29.4	7.9	105.0	6.8	2.4															
				TCE-WQM2a	Fine	Calm	17:36	8.2	Surface	1.0	1	21.4	8.0				29.1	7.7	102.8	1.0	3.5	7.3	2.4	3.4		
				2					21.4	8.0	29.1	7.7	102.8				1.0	4.0								
				Middle					4.1	1	20.8	8.0	31.0	6.9	92.6	2.2	3.6									
				2					20.7	8.0	31.1	6.9	92.7	2.1	3.3											
				Bottom	7.2	1	20.8	8.0	31.1	7.0	93.4	3.9	3.1	7.0												
				2	20.8	8.0	30.9	7.0	93.7	3.9	2.7															
				TCE-WQM2b	Fine	Calm	17:47	10.0	Surface	1.0	1	22.2	8.1				27.4	8.9	120.3	1.4	3.4	8.6	2.3	2.8		
				2					22.2	8.1	27.5	8.9	119.5				1.4	3.0								
				Middle					5.0	1	21.9	8.1	28.1	8.4	112.8	2.6	2.8									
				2					21.9	8.1	28.1	8.4	112.7	2.6	2.8											
				Bottom	9.0	1	21.9	8.1	28.2	8.3	112.2	2.8	2.4	8.3												
				2	21.9	8.1	28.2	8.4	112.2	2.8	2.5															
				TCE-WQM3A	Fine	Calm	17:26	4.0	Surface	1.0	1	21.6	8.0				28.7	7.6	102.0	4.2	3.3	7.6	5.1	3.3		
				2					21.6	8.0	28.7	7.6	101.7				4.3	3.0								
				Bottom					3.0	1	21.4	8.0	28.8	7.7	102.9	6.0	3.3									
				2					21.4	8.0	28.8	7.8	103.7	6.0	3.5											
				TCE-WQM4	Fine	Calm	17:17	3.4	Surface	1.0	1	22.2	8.1	28.1	8.7	117.4	3.4	2.1	8.7	4.1	2.6					
				2					22.2	8.1	28.1	8.7	117.4	3.4	2.3											
				Bottom					2.4	1	21.9	8.1	28.2	8.7	116.4	4.7	2.7									
				2					21.9	8.1	28.2	8.7	116.3	4.9	3.1											
		2022-04-08	Mid-Flood	TCE-C1	Fine	Calm	6:41	7.8	Surface	1.0	1	20.6	8.1	31.0	7.9	106.1	1.9	1.8	7.9	3.3	2.2					
											2	20.6	8.1	31.1	7.9	105.8	2.0	1.9								
									Middle	3.9	1	20.3	8.1	32.0	7.8	104.3	3.3	2.1								
									2	20.3	8.1	32.0	7.8	104.2	3.7	2.4										
						Bottom	6.8	1	20.3	8.1	32.3	7.9	105.0	4.6	2.7	7.9										
						2	20.3	8.1	32.2	7.9	105.2	4.6	2.5													
						TCE-C2	Fine	Calm	4:45	13.0	Surface	1.0	1	20.8	7.9				29.3	7.3	97.1	1.0	1.9	7.0	1.6	1.2
						2					20.8	7.9	29.4	7.3	97.0				1.1	1.7						
						Middle					6.5	1	20.6	7.9	30.7	6.8	90.4	1.4	1.2							
						2					20.6	7.9	30.8	6.8	90.3	1.4	1.1									
				Bottom	12.0	1	20.6	7.9	31.1	6.8	90.6	2.4	0.6	6.8												
				2	20.6	7.9	31.1	6.8	90.6	2.4	0.7															
				TCE-WQM1	Fine	Calm	5:40	9.0	Surface	1.0	1	21.4	8.0				28.2	7.7	102.1	4.0	4.2	7.7	5.2	4.5		
				2					21.4	8.0	28.2	7.7	102.0				4.1	3.9								
				Middle					4.5	1	21.4	8.0	28.2	7.7	101.9	5.6	4.6									
				2					21.4	8.0	28.2	7.7	102.0	5.7	4.4											
				Bottom	8.0	1	21.2	8.0	28.1	7.7	102.5	6.0	4.9	7.7												
				2	21.3	8.0	28.1	7.7	102.8	6.1	5.1															
				TCE-WQM2a	Fine	Calm	5:08	6.8	Surface	1.0	1	21.1	8.0				28.9	7.5	100.2	1.0	2.6	7.3	1.4	2.1		
				2					21.1	8.0	28.9	7.5	100.2				1.0	2.4								
				Middle					3.4	1	21.0	8.0	29.6	7.2	95.4	1.1	2.3									
				2					21.0	8.0	29.6	7.2	95.6	1.1	2.1											
				Bottom	5.8	1	21.0	8.0	29.6	7.3	96.9	2.1	1.7	7.3												
				2	21.0	8.0	29.6	7.3	97.6	2.1	1.4															
				TCE-WQM2b	Fine	Calm	4:57	10.4	Surface	1.0	1	21.0	8.0				28.8	7.4	98.5	1.2	2.3	7.2	2.6	2.8		
				2					21.0	8.0	28.9	7.4	98.3				1.2	2.5								
				Middle					5.2	1	20.9	8.0	29.7	7.0	93.8	2.6	2.6									
				2					20.9	8.0	29.7	7.0	93.7	2.6	2.8											
				Bottom	9.4	1	20.9	8.0	29.6	7.1	95.0	4.0	3.2	7.2												
				2	21.0	8.0	29.5	7.2	95.7	3.9	3.5															
				TCE-WQM3A	Fine	Calm	5:19	4.2	Surface	1.0	1	21.4	8.0				28.1	7.6	100.8	4.0	3.0	7.6	4.8	2.6		
				2					21.4	8.0	28.1	7.6	101.0				4.1	2.7								
				Bottom					3.2	1	21.4	8.0	28.2	7.7	102.5	5.6	2.4									
				2					21.4	8.0	28.2	7.7	103.1	5.5	2.2											
				TCE-WQM4	Fine	Calm	5:28	3.8	Surface	1.0	1	21.3	8.0	28.2	7.8	104.1	1.2	3.7	7.8	1.9	3.1					
				2					21.3	8.0	28.3	7.8	104.3	1.2	3.4											
				Bottom					2.8	1	21.3	8.0	28.3	7.9	105.5	2.7	2.4									
				2					21.3	8.0	28.3	8.0	105.9	2.6	3.0											

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)	
2022-04-11	Mid-Ebb	TCE-C1	Fine	Moderate	19:49	7.2	Surface	1.0	1	21.7	8.1	29.1	9.1	122.6	2.5	1.9	8.9	2.5	2.4	
									2	21.7	8.1	29.1	9.1	122.6	2.5	1.8				
							Middle	3.6	1	21.5	8.1	29.8	8.7	116.6	2.3	2.5				
							Bottom	6.2	1	21.3	8.1	29.8	8.7	116.8	2.3	2.2				
						2	21.3	8.1	30.4	8.3	112.1	2.7	3.1	8.3						
				2	21.3	8.1	30.4	8.3	112.2	2.8	2.8									
		Surface	1.0	1	21.7	8.2	29.5	10.3	138.7	2.9	3.0									
				2	21.7	8.2	29.4	10.3	138.6	2.9	3.1									
				Middle	6.9	1	21.1	8.1	31.4	8.1	108.9	1.5	2.6	9.2						
				2	21.1	8.1	31.3	8.1	109.0	1.4	2.4									
		Bottom	12.7	1	20.9	8.0	32.0	7.5	101.7	1.2	2.4									
				2	20.9	8.0	32.0	7.5	101.7	1.2	2.1									
			TCE-WQM1	Fine	Calm	20:27	9.8	Surface	1.0	1	21.9	8.2	28.6	10.2	137.8	4.8	4.4	9.4		
					2	21.9	8.2	28.6	10.2	137.7	4.8	4.1								
			Middle	4.9	1	21.5	8.1	29.9	8.6	115.3	2.1	4.8								
			Bottom	8.8	1	21.3	8.1	29.9	8.6	115.4	2.1	4.6								
					2	21.3	8.1	30.3	8.3	112.3	2.8	5.4	8.3							
					2	21.3	8.1	30.3	8.3	112.1	2.8	5.9								
			Surface	1.0	1	21.7	8.1	29.0	9.3	125.2	3.6	5.4				8.9				
					2	21.7	8.1	29.0	9.3	125.2	3.6	5.0								
			Middle	3.5	1	21.5	8.1	29.5	8.4	112.4	3.3	4.7								
			Bottom	5.9	1	21.3	8.0	29.4	8.6	115.9	3.4	4.4								
					2	21.3	8.0	30.0	8.0	107.5	3.3	3.4	8.0							
					2	21.3	8.0	30.1	8.0	107.3	3.3	3.8								
		Surface	1.0	1	21.6	8.2	30.1	9.9	133.9	3.0	1.8	9.0								
				2	21.6	8.2	30.0	9.9	134.0	3.1	1.6									
		Middle	5.1	1	21.1	8.1	31.5	8.0	108.5	1.9	2.1									
		Bottom	9.1	1	20.9	8.0	31.5	8.0	108.5	1.9	2.1									
				2	20.9	8.0	31.9	7.5	101.5	1.3	2.3	7.5								
				2	20.9	8.0	31.9	7.5	101.4	1.3	2.3									
		Surface	1.0	1	21.4	8.1	29.7	8.3	111.1	3.3	5.0				8.3					
				2	21.4	8.1	29.7	8.3	111.2	3.4	5.4									
		Bottom	4.1	1	21.1	8.0	30.9	7.4	99.4	4.5	4.9									
				2	21.0	8.0	31.0	7.2	97.2	4.6	4.6									
		TCE-WQM3A	Fine	Calm	20:49	5.1	Surface	1.0	1	22.4	8.3	27.9	11.7	158.1	2.2	3.2	11.7			
				2	22.4	8.3	27.9	11.7	158.1	2.2	3.0									
		Bottom	3.3	1	21.5	8.1	29.8	8.8	118.0	2.5	2.5									
				2	21.5	8.1	29.8	8.8	118.1	2.6	2.8									
		TCE-WQM4	Fine	Calm	20:41	4.3	Surface	1.0	1	23.1	8.4	26.6	13.5	184.4	3.7	1.4	12.8			
				2	23.2	8.4	26.6	13.5	184.2	3.7	1.3									
		Middle	3.9	1	22.7	8.4	27.3	12.0	163.4	5.3	1.6									
		Bottom	6.8	1	21.4	8.1	30.2	8.3	112.2	3.8	2.6									
				2	21.4	8.1	30.2	8.3	112.2	3.9	2.2	8.3								
				2	21.4	8.1	30.2	8.3	112.2	3.9	2.2									
		Surface	1.0	1	22.6	8.5	24.7	13.3	178.0	6.0	2.8				11.0					
				2	22.6	8.5	24.7	13.3	177.5	6.0	2.5									
		Middle	7.5	1	20.8	8.2	31.8	8.7	117.4	2.1	3.2									
		Bottom	13.9	1	20.6	8.2	31.8	8.7	117.5	2.1	3.0									
				2	20.6	8.2	32.4	8.0	108.3	3.4	3.8	8.0								
				2	20.6	8.2	32.4	8.0	108.2	3.4	3.4									
		Surface	1.0	1	22.6	8.3	26.9	11.7	157.5	4.8	6.0				11.3					
				2	22.6	8.3	26.9	11.6	157.1	4.9	6.5									
		Middle	5.1	1	22.2	8.2	28.0	10.9	147.8	11.0	5.7									
		Bottom	9.1	1	22.2	8.2	28.0	10.9	147.7	11.0	5.2									
				2	22.3	8.2	27.7	10.6	143.7	9.6	4.5	10.6								
				2	22.3	8.2	27.7	10.6	143.7	9.6	4.7									
		Surface	1.0	1	23.0	8.4	26.1	12.7	171.4	4.8	4.5				11.9					
				2	23.0	8.4	26.1	12.7	171.4	4.8	4.8									
		Middle	3.8	1	22.4	8.3	27.7	11.1	150.2	6.1	5.7									
		Bottom	6.6	1	22.4	8.3	27.6	11.1	150.2	6.0	5.3									
				2	22.0	8.2	28.6	9.4	126.5	6.5	6.2	9.4								
				2	22.0	8.2	28.6	9.4	126.6	6.5	6.4									
		Surface	1.0	1	20.7	8.1	31.8	8.4	112.3	2.5	3.6				8.3					
				2	20.7	8.1	31.8	8.4	112.5	2.4	3.2									
		Middle	5.5	1	20.7	8.1	32.2	8.2	110.8	2.5	3.0									
		Bottom	9.9	1	20.7	8.1	32.2	8.2	110.8	2.6	2.7									
				2	20.6	8.1	32.4	8.0	107.6	4.4	2.4	8.0								
				2	20.6	8.1	32.4	8.0	107.7	4.5	2.1									
		Surface	1.0	1	22.3	8.3	27.9	10.4	141.1	5.6	5.0				10.4					
				2	22.3	8.3	27.9	10.4	140.6	5.7	5.2									
		Bottom	4.9	1	21.9	8.2	28.8	9.1	122.6	6.9	6.0									
				2	21.9	8.2	28.8	9.1	122.6	6.9	5.6									
		TCE-WQM3A	Sunny	Calm	8:15	5.9	Surface	1.0	1	22.1	8.2	28.2	9.8	132.5	5.6	4.5	9.8			
				2	22.1	8.2	28.2	9.8	132.6	5.7	4.1									
		Bottom	4.2	1	21.9	8.2	28.7	9.2	124.0	6.4	3.7									
				2	21.9	8.2	28.7	9.2	124.0	6.4	3.9									
		TCE-WQM4	Sunny	Calm	8:28	5.2	Surface	1.0	1	22.1	8.2	28.2	9.8	132.5	5.6	4.5	9.2			
				2	22.1	8.2	28.2	9.8	132.6	5.7	4.1									
		Bottom	4.2	1	21.9	8.2	28.7	9.2	124.0	6.4	3.7									
				2	21.9	8.2	28.7	9.2	124.0	6.4	3.9									

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)		
2022-04-13	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:26	8.0	Surface	1.0	1	22.5	8.3	26.3	9.7	130.7	1.6	1.5	8.9	3.4	1.2		
									2	22.5	8.3	26.5	9.7	130.2	1.6	1.6					
							Middle	4.0	1	21.3	8.1	31.8	8.0	109.0	2.2	1.2					
							Bottom	7.0	1	21.2	8.1	31.8	8.0	108.7	2.3	1.1					
										2	21.2	8.1	32.0	7.9	106.8	6.2	0.8	7.9			
										2	21.2	8.1	31.9	7.9	106.8	6.5	0.9				
		Surface	1.0	1	22.4	8.2	27.4	9.4	127.1	0.6	2.5										
		Middle	6.2	1	21.3	8.0	31.6	7.7	104.2	1.7	3.2										
										2	21.3	8.0	31.6	7.7	104.3	1.7	3.4	8.5	1.4	3.3	
										2	21.3	8.0	31.7	7.6	103.1	2.0	3.7				
		Bottom	11.4	1	21.3	8.0	31.7	7.6	103.1	2.0	4.2										
										2	21.3	8.0	31.7	7.6	103.1	2.0	4.2				
				TCE-WQM1	Cloudy	Moderate	11:32	8.2	Surface	1.0	1	22.9	8.3	25.9	9.4	127.0	3.5	1.9	9.2	5.2	1.5
									2	22.9	8.2	26.0	9.4	126.6	3.7	1.6					
		Middle	4.1						1	22.8	8.2	26.6	9.0	121.2	5.0	1.4					
		Bottom	7.2						1	22.8	8.2	26.6	8.9	121.0	5.1	1.5					
										2	22.8	8.2	26.9	8.7	117.3	6.8	1.3	8.6			
										2	22.8	8.2	26.9	8.6	117.1	6.9	1.4				
		Surface	1.0	1	22.4	8.2	27.0	9.2	123.9	2.6	1.5										
		Middle	3.6	1	21.6	8.0	29.9	7.5	101.6	2.6	1.6										
										2	21.6	8.0	29.9	7.5	101.6	2.7	1.4	8.4	3.2	1.5	
										2	21.5	8.0	30.6	7.4	100.6	4.6	1.5				
		Bottom	6.2	1	21.5	8.0	30.6	7.4	100.6	4.3	1.8										
										2	21.5	8.0	30.6	7.4	100.6	4.3	1.8				
			TCE-WQM2a	Cloudy	Moderate	10:58	7.2	Surface	1.0	1	22.6	8.2	26.5	9.2	123.5	1.3	2.4	8.2	3.0	2.1	
								2	22.6	8.2	26.5	9.2	123.3	1.3	2.1						
	Middle	5.4						1	21.4	8.0	31.0	7.3	98.8	3.4	2.1						
	Bottom	9.8						1	21.3	8.0	31.1	7.3	98.7	3.5	2.2						
									2	21.3	8.0	31.5	7.2	98.2	4.3	1.7	7.3				
									2	21.3	8.0	31.5	7.3	98.3	4.2	1.9					
	Surface	1.0	1	23.2	8.3	25.1	9.8	132.7	1.2	1.3											
	Middle		2	23.2	8.3	25.1	9.8	132.6	1.2	1.5											
									2	23.0	8.3	25.8	9.3	125.7	2.2	2.3	9.3	1.7	1.9		
									2	23.0	8.3	25.8	9.3	125.8	2.2	2.5					
	Bottom	3.2	1	23.0	8.3	25.8	9.3	125.8	2.2	2.5											
									2	23.0	8.3	25.8	9.3	125.8	2.2	2.5					
			TCE-WQM3A	Cloudy	Moderate	11:10	4.2	Surface	1.0	1	23.3	8.3	25.2	9.9	134.4	0.7	1.3	9.9	2.8	1.6	
								2	23.3	8.3	25.2	9.9	134.2	0.8	1.4						
	Middle							1	23.0	8.2	26.4	9.0	121.8	4.8	1.9						
	Bottom	2.8						1	23.0	8.2	26.4	9.0	121.6	5.1	1.6						
									2	23.0	8.2	26.4	9.0	121.6	5.1	1.6	9.0				
									2	23.0	8.2	26.4	9.0	121.6	5.1	1.6					
	Surface	1.0	1	22.7	8.1	27.1	10.2	138.8	6.5	2.1											
	Middle	4.1	1	22.7	8.1	27.1	10.2	138.8	6.5	2.4											
									2	22.7	8.1	32.0	9.9	138.7	7.8	2.7	10.0	8.1	2.9		
									2	22.7	8.1	32.0	9.9	138.7	7.8	2.6					
	Bottom	7.2	1	22.7	8.1	32.0	9.9	138.8	9.9	4.0											
									2	22.7	8.1	32.0	9.9	138.9	10.1	3.5					
		TCE-C2	Fine	Moderate	16:53	13.2	Surface	1.0	1	23.4	8.1	30.8	9.5	133.6	2.1	1.7	9.5	2.5	2.1		
							2	23.3	8.1	30.8	9.5	133.5	2.1	1.4							
Middle	6.6						1	23.0	8.1	31.3	9.5	133.5	2.7	2.1							
Bottom	12.2						1	23.0	8.1	31.3	9.5	133.6	2.8	2.3							
								2	23.0	8.1	31.3	9.7	136.7	2.8	2.7	9.7					
								2	23.0	8.1	31.3	9.8	137.0	2.7	2.4						
Surface	1.0	1	22.8	8.0	29.2	9.8	135.0	6.6	1.3												
Middle	3.9	1	22.8	8.0	29.9	9.8	135.4	6.9	2.7												
								2	22.8	8.0	29.9	9.8	135.4	7.0	2.4	9.8	7.1	2.4			
								2	22.8	8.0	29.9	9.8	136.2	7.7	3.3						
Bottom	6.8	1	22.8	8.0	29.9	9.8	136.3	7.6	3.6												
								2	22.8	8.0	29.9	9.8	136.3	7.6	3.6						
		TCE-WQM2a	Fine	Moderate	16:19	6.9	Surface	1.0	1	23.1	8.0	29.9	9.6	133.6	5.4	3.0	9.6	6.4	2.3		
							2	23.1	8.0	29.9	9.6	133.6	5.4	2.8							
Middle	3.5						1	23.1	8.0	30.0	9.6	133.6	6.4	2.6							
Bottom	5.9						1	23.1	8.0	30.1	9.6	134.1	7.0	2.2							
								2	23.1	8.1	30.2	9.7	135.1	7.2	1.4	9.7					
								2	23.1	8.1	30.1	9.7	135.3	7.1	1.8						
Surface	1.0	1	23.1	8.0	30.2	9.6	134.9	4.7	3.7												
Middle	5.1	1	23.1	8.1	30.4	9.8	137.5	4.6	2.6												
								2	23.1	8.1	30.4	9.8	137.7	4.7	2.3	9.7	4.7	2.6			
								2	23.1	8.1	30.5	10.0	139.4	4.6	1.9						
Bottom	9.2	1	23.1	8.1	30.4	10.0	139.7	4.7	1.7												
								2	23.1	8.1	30.4	10.0	139.7	4.7	1.7						
		TCE-WQM3A	Fine	Moderate	16:09	4.0	Surface	1.0	1	23.0	8.0	29.8	9.8	136.0	2.9	1.8	9.8	3.2	1.4		
							2	23.0	8.0	29.8	9.8	136.3	3.0	1.6							
Middle							1	22.9	8.0	29.9	9.9	137.7	3.5	1.1							
Bottom	3.0						1	22.9	8.0	29.9	9.9	138.1	3.5	1.1							
								2	22.9	8.0	29.9	9.9	137.7	3.5	1.1	9.9					
								2	22.9	8.0	29.9	9.9	137.7	3.5	1.1						
Surface	1.0	1	23.1	8.0	29.1	9.9	137.1	2.3	1.7												
Middle		2	23.1	8.0	29.1	9.9	137.5	2.4	1.9												
								2	23.0	8.0	29.6	10.0	139.0	3.2	2.6	10.0	2.8	2.1			
								2	23.0	8.0	29.6	10.0	139.3	3.2	2.3						

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged						
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)				
2022-04-15	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:32	7.6	Surface	1.0	1	22.7	8.2	27.9	7.9	107.8	1.8	10.8	7.9	6.9	9.6				
									2	22.7	8.2	27.9	7.9	107.9	1.9	11.1							
							Middle	3.8	1	22.2	8.2	29.1	7.9	107.4	3.0	9.4							
									2	22.2	8.2	29.1	7.9	107.4	3.0	9.2							
				Bottom	6.6	1	21.6	8.2	32.4	7.5	103.0	15.7	8.6	7.5									
						2	21.6	8.2	32.4	7.5	103.1	15.8	8.3										
		TCE-C2	Fine	Moderate	10:40	13.4	Surface	1.0	1	22.0	8.0	31.1	7.4				101.6	1.9	6.0	7.4	1.8	5.4	
								2	22.0	8.0	31.1	7.4	101.6				2.0	6.0					
		Middle					6.7	1	21.7	8.0	31.7	7.3	99.6	1.6	5.1								
								2	21.7	8.0	31.7	7.3	99.6	1.6	5.6								
				Bottom	12.4	1	21.7	8.0	31.8	7.2	99.0	1.9	4.9	7.2									
						2	21.7	8.0	31.8	7.2	99.0	1.9	4.5										
		TCE-WQM1	Fine	Moderate	11:52	7.9	Surface	1.0	1	23.2	8.2	26.2	7.7				104.6	4.8	8.8	7.6	7.6	7.3	
								2	23.2	8.2	26.2	7.7	104.6				4.8	8.4					
		Middle					4.0	1	22.6	8.1	27.7	7.6	102.7	6.0	7.2								
								2	22.6	8.1	27.7	7.6	102.6	5.8	6.8								
				Bottom	6.9	1	22.4	8.1	28.2	7.5	102.1	13.1	6.3	7.5									
						2	22.4	8.2	28.2	7.5	102.1	11.3	6.0										
		TCE-WQM2a	Fine	Moderate	11:19	7.2	Surface	1.0	1	22.9	8.2	26.8	7.8				106.3	3.0	5.3	7.8	2.3	4.9	
								2	22.9	8.2	26.8	7.8	106.3				3.0	5.0					
		Middle					3.6	1	22.6	8.1	27.7	7.8	105.9	1.6	4.8								
								2	22.6	8.1	27.7	7.8	105.9	1.6	4.6								
				Bottom	6.2	1	22.2	8.1	29.1	7.6	102.9	2.5	4.7	7.6									
						2	22.2	8.1	29.1	7.6	102.8	2.4	4.8										
	TCE-WQM2b	Fine	Moderate	11:07	11.7	Surface	1.0	1	22.5	8.1	27.7	7.7	104.9				2.6	5.6	7.5	3.1	4.6		
							2	22.4	8.1	27.7	7.8	104.9	2.6				5.4						
	Middle					5.9	1	21.8	8.1	31.4	7.3	100.2	3.0	4.3									
							2	21.8	8.1	31.4	7.3	100.3	3.1	4.5									
			Bottom	10.7	1	21.8	8.1	31.4	7.4	100.8	3.7	3.8	7.4										
					2	21.8	8.1	31.4	7.4	101.0	3.8	4.2											
	TCE-WQM3A	Fine	Moderate	11:30	4.5	Surface	1.0	1	23.0	8.2	26.2	7.7				104.6	7.1	4.7	7.7	7.9	5.1		
							2	23.0	8.2	26.2	7.7	104.4				7.3	4.5						
	Middle						1	23.0	8.2	26.2	7.7	104.0	8.5	5.4									
							2	23.0	8.2	26.3	7.7	104.1	8.7	5.6									
			Bottom	3.5	1	23.0	8.2	26.2	7.7	104.0	8.5	5.4	7.7										
					2	23.0	8.2	26.3	7.7	104.1	8.7	5.6											
	TCE-WQM4	Fine	Moderate	11:40	4.0	Surface	1.0	1	23.0	8.2	26.4	7.8				105.6	4.6	5.7	7.8	4.7	6.7		
							2	23.0	8.2	26.4	7.8	105.6				4.7	6.0						
	Middle						1	23.0	8.2	26.4	7.8	105.8	4.8	7.4									
							2	23.0	8.2	26.4	7.8	105.9	4.8	7.8									
			Bottom	3.0	1	23.0	8.2	26.4	7.8	105.8	4.8	7.4	7.8										
					2	23.0	8.2	26.4	7.8	105.9	4.8	7.8											
	2022-04-15	Mid-Flood	TCE-C1	Fine	Rough	16:34	8.5	Surface	1.0	1	22.9	8.2				27.0	8.6	117.0	8.7	7.3	8.5	10.3	8.2
									2	22.9	8.2	27.0				8.6	117.0	8.7	7.7				
	Middle							4.3	1	22.9	8.2	29.5	8.4	116.9	10.1	7.9							
									2	22.9	8.2	29.6	8.4	116.9	10.1	8.2							
				Bottom	7.5	1	22.9	8.2	31.8	8.3	117.0	12.2	9.1	8.3									
						2	22.9	8.2	31.8	8.3	117.1	12.3	8.8										
TCE-C2	Fine		Moderate	18:43	13.2	Surface	1.0	1	23.6	8.0	30.6	7.3	103.1				4.4	5.7	7.3	4.8	6.3		
							2	23.5	8.0	30.6	7.3	103.0	4.3				5.3						
Middle						6.6	1	23.2	8.1	31.1	7.3	103.0	4.9	6.5									
							2	23.2	8.1	31.1	7.3	103.1	5.0	6.0									
			Bottom	12.2	1	23.2	8.1	31.1	7.5	106.2	5.0	7.3	7.5										
					2	23.2	8.1	31.1	7.6	106.5	4.9	6.9											
TCE-WQM1	Fine		Moderate	17:27	8.4	Surface	1.0	1	23.0	8.1	28.1	8.2				113.2	8.9	7.2	8.2	9.3	6.3		
							2	23.0	8.1	28.1	8.2	113.2				8.9	6.9						
Middle						4.2	1	23.0	8.1	29.3	8.2	113.6	9.1	6.8									
							2	23.0	8.1	29.3	8.2	113.6	9.2	6.4									
			Bottom	7.4	1	23.0	8.1	29.7	8.2	114.4	9.9	5.0	8.2										
					2	23.0	8.1	29.7	8.2	114.5	9.9	5.4											
TCE-WQM2a	Fine		Moderate	17:57	7.2	Surface	1.0	1	23.3	8.1	29.6	8.0				111.8	7.7	4.6	8.0	8.7	5.4		
							2	23.3	8.1	29.6	8.0	111.8				7.7	4.4						
Middle						3.6	1	23.3	8.1	29.7	8.0	111.8	8.7	5.3									
							2	23.3	8.1	29.8	8.0	112.3	9.2	5.7									
			Bottom	6.2	1	23.3	8.1	29.8	8.1	113.3	9.4	6.5	8.1										
					2	23.3	8.1	29.8	8.1	113.5	9.4	6.0											
TCE-WQM2b	Fine		Moderate	18:07	10.8	Surface	1.0	1	23.3	8.1	30.1	7.4				104.4	7.0	6.3	7.5	6.9	7.0		
							2	23.3	8.1	30.1	7.5	104.5				7.0	6.6						
Middle						5.4	1	23.3	8.1	30.3	7.6	107.0	6.8	7.0									
							2	23.3	8.1	30.3	7.6	107.2	6.9	6.7									
			Bottom	9.8	1	23.3	8.1	30.3	7.8	108.9	6.9	7.4	7.8										
					2	23.3	8.1	30.3	7.8	109.2	7.0	7.8											
TCE-WQM3A	Fine		Moderate	17:47	4.7	Surface	1.0	1	23.2	8.1	27.8	8.3				114.2	5.1	6.2	8.3	5.5	6.8		
							2	23.2	8.1	28.0	8.3	114.5				5.2	6.0						
Middle							1	23.1	8.1	28.3	8.4	115.9	5.7	7.7									
							2	23.1	8.1	28.3	8.4	116.3	5.7	7.4									
			Bottom	3.7	1	23.1	8.1	28.3	8.4	115.9	5.7	7.7	8.4										
					2	23.1	8.1	28.3	8.4	116.3	5.7	7.4											
TCE-WQM4	Fine		Moderate	17:38	3.6	Surface	1.0	1	23.3	8.1	27.4	8.4				115.3	4.6	5.5	8.4	5.0	6.4		
							2	23.3	8.1	27.4	8.4	115.7				4.6	5.9						
Middle							1	23.2	8.1	29.2	8.4	117.2	5.4	6.9									
							2	23.2	8.1	29.2	8.4	117.5	5.4	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)
2022-04-18	Mid-Ebb	TCE-C1	Cloudy	Rough	12:20	8.2	Surface	1.0	1	22.1	8.0	29.7	6.7	91.4	4.6	4.9	6.7	6.0	6.0
									2	22.1	8.0	29.7	6.7	91.4	4.6	5.2			
							Middle	4.1	1	22.1	8.0	29.7	6.7	90.9	5.8	6.0			
							Bottom	7.2	1	22.1	8.0	29.7	6.7	91.0	5.8	5.8			
				2	22.1	8.0	29.7	6.7	90.5	7.6	7.1								
				2	22.1	8.0	29.7	6.7	90.6	7.7	6.9								
		TCE-C2	Cloudy	Rough	14:52	13.3	Surface	1.0	1	22.1	8.0	30.5	6.8	93.4	4.0	8.2	6.8	4.1	8.7
				2	22.1	8.0	30.5	6.8	93.4	4.1	8.5								
		Middle	6.7	1	22.1	8.0	30.9	6.8	92.5	4.7	8.9								
		Bottom	12.3	1	22.1	8.0	30.9	6.8	92.5	4.7	8.7								
				2	22.0	8.0	31.7	6.7	92.6	3.6	8.7								
				2	22.0	8.0	31.7	6.7	92.6	3.6	9.1								
	TCE-WQM1	Cloudy	Moderate	13:13	9.9	Surface	1.0	1	22.1	8.0	30.2	6.8	93.4	5.3	16.3	6.8	5.8	17.2	
			2	22.1	8.0	30.2	6.8	93.5	5.3	16.8									
	Middle	5.0	1	22.1	8.0	30.3	6.8	93.4	4.3	17.1									
	Bottom	8.9	1	22.1	8.0	30.3	6.8	93.4	4.3	17.5									
			2	22.1	8.0	30.9	6.8	92.6	7.8	17.9									
			2	22.1	8.0	30.9	6.8	92.7	7.9	17.6									
	TCE-WQM2a	Cloudy	Moderate	13:55	7.5	Surface	1.0	1	22.2	8.0	29.8	6.8	92.7	6.1	7.1	6.8	7.3	7.7	
			2	22.2	8.0	29.8	6.8	92.7	6.1	7.0									
	Middle	3.8	1	22.2	8.0	29.9	6.7	91.9	7.6	7.7									
	Bottom	6.5	1	22.2	8.0	29.9	6.7	91.9	7.6	7.5									
			2	22.1	8.0	30.3	6.7	91.7	8.4	8.8									
			2	22.1	8.0	30.3	6.7	91.7	8.3	8.3									
TCE-WQM2b	Cloudy	Rough	14:14	10.6	Surface	1.0	1	22.1	8.0	30.5	6.8	93.4	3.9	5.8	6.8	3.5	7.2		
		2	22.1	8.0	30.5	6.8	93.4	3.9	6.0										
Middle	5.3	1	22.0	8.0	31.6	6.7	92.5	3.8	7.1										
Bottom	9.6	1	22.0	8.0	31.6	6.7	92.5	3.8	7.5										
		2	22.0	8.1	31.8	6.8	93.4	2.7	8.0										
		2	22.0	8.1	31.8	6.8	93.4	2.7	8.6										
TCE-WQM3A	Cloudy	Calm	13:41	5.1	Surface	1.0	1	22.0	8.0	31.6	6.7	92.5	4.6	6.3	6.7	5.2	6.9		
		2	22.0	8.0	31.7	6.7	92.5	4.8	6.5										
Bottom	4.1	1	22.0	8.0	31.8	6.8	93.2	5.6	7.1										
		2	22.0	8.0	31.8	6.8	93.2	5.6	7.6										
TCE-WQM4	Cloudy	Calm	13:27	4.9	Surface	1.0	1	22.1	8.0	30.2	6.8	93.2	4.5	9.8	6.8	4.1	10.1		
		2	22.1	8.0	30.2	6.8	93.2	4.5	9.4										
Bottom	3.9	1	22.1	8.0	30.3	6.8	93.3	3.8	10.9										
		2	22.1	8.0	30.3	6.8	93.3	3.7	10.4										
2022-04-18	Mid-Flood	TCE-C1	Fine	Rough	8:11	8.9	Surface	1.0	1	22.2	8.0	29.6	6.8	92.8	3.8	4.0	6.8	7.9	5.3
									2	22.2	8.0	29.6	6.8	92.7	3.8	4.5			
							Middle	4.5	1	22.1	8.0	29.7	6.7	91.6	9.4	4.8			
							Bottom	7.9	1	22.1	8.0	29.7	6.7	91.6	9.4	5.3			
				2	22.1	8.0	29.8	6.7	91.2	10.2	6.4								
				2	22.1	8.0	29.8	6.7	91.3	10.6	6.7								
		TCE-C2	Fine	Rough	6:01	15.6	Surface	1.0	1	22.0	8.1	31.1	7.1	97.9	7.3	8.3	7.1	7.8	7.6
				2	22.0	8.1	31.1	7.1	98.0	7.3	8.0								
		Middle	7.8	1	22.0	8.1	31.2	7.2	98.1	8.0	7.5								
		Bottom	14.6	1	22.0	8.1	31.2	7.2	98.1	8.0	7.8								
				2	22.0	8.1	31.2	7.2	98.2	8.2	6.9								
				2	22.0	8.1	31.2	7.2	98.3	8.1	7.2								
		TCE-WQM1	Fine	Moderate	7:26	10.3	Surface	1.0	1	22.1	8.0	29.8	6.8	92.1	3.9	18.6	6.7	6.7	18.0
				2	22.1	8.0	29.8	6.8	92.1	4.0	19.0								
		Middle	5.2	1	22.1	8.0	29.9	6.7	91.3	6.8	17.9								
		Bottom	9.3	1	22.1	8.0	29.9	6.7	91.2	6.7	18.2								
				2	22.1	8.0	29.9	6.7	90.7	9.4	17.4								
				2	22.1	8.0	29.9	6.7	90.7	9.5	17.0								
		TCE-WQM2a	Fine	Rough	6:44	8.5	Surface	1.0	1	22.0	8.1	30.8	7.0	95.5	5.2	11.2	7.0	7.9	10.5
				2	22.0	8.1	30.8	7.0	95.5	5.2	11.0								
		Middle	4.3	1	22.0	8.1	30.8	7.0	95.8	8.7	10.7								
		Bottom	7.5	1	22.0	8.1	30.8	7.0	95.8	8.8	11.1								
				2	22.0	8.1	30.8	7.0	96.3	9.6	9.6								
				2	22.0	8.1	30.8	7.1	96.3	9.7	9.4								
TCE-WQM2b	Fine	Rough	6:28	11.7	Surface	1.0	1	22.0	8.1	31.0	7.1	97.6	7.9	7.3	7.1	7.8	6.0		
		2	22.0	8.1	31.0	7.1	97.6	7.9	6.9										
Middle	5.9	1	22.0	8.1	31.2	7.1	97.8	7.9	5.9										
Bottom	10.7	1	22.0	8.1	31.2	7.1	97.8	7.9	6.3										
		2	22.0	8.1	31.2	7.1	97.7	7.8	4.7										
		2	22.0	8.1	31.2	7.1	97.7	7.8	5.0										
TCE-WQM3A	Fine	Moderate	7:00	5.5	Surface	1.0	1	22.0	8.1	30.8	7.0	95.0	6.9	6.5	7.0	9.8	6.0		
		2	22.0	8.1	30.8	7.0	95.0	7.0	6.8										
Bottom	4.5	1	22.0	8.1	30.8	6.9	95.0	12.7	5.4										
		2	22.0	8.1	30.8	6.9	95.0	12.7	5.2										
TCE-WQM4	Fine	Moderate	7:11	5.1	Surface	1.0	1	22.1	8.0	29.9	6.8	92.0	5.4	4.8	6.8	6.9	5.1		
		2	22.1	8.0	29.9	6.8	92.1	5.5	5.0										
Bottom	4.1	1	22.1	8.0	29.9	6.8	92.6	8.2	5.1										
		2	22.1	8.0	29.9	6.8	92.6	8.3	5.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-04-20	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:00	8.2	Surface	1.0	1	22.0	8.0	30.6	6.9	94.7	5.1	9.0	6.9	12.7	9.6
									2	22.0	8.0	30.7	6.9	94.6	5.8	8.6			
							Middle	4.1	1	22.1	8.0	32.0	6.8	94.0	15.8	9.2			
							Bottom	7.2	1	22.1	8.0	32.0	6.8	94.0	15.7	9.6			
				2	22.1	8.0	32.1	6.8	94.0	16.9	10.9								
				2	22.1	8.0	32.1	6.8	94.0	16.7	10.2								
		TCE-C2	Cloudy	Moderate	15:43	13.8	Surface	1.0	1	22.3	7.9	30.3	6.3	85.8	2.9	5.6	6.3	3.1	6.2
				2	22.3	7.9	30.4	6.3	85.8	2.9	5.2								
		Middle	6.9	1	22.2	8.0	30.7	6.3	86.1	3.0	6.2								
		Bottom	12.8	1	22.2	8.0	30.7	6.3	86.2	3.0	5.8								
				2	22.2	8.0	31.1	6.4	88.1	3.5	6.9								
				2	22.2	8.0	31.1	6.4	88.2	3.4	7.3								
	TCE-WQM1	Cloudy	Moderate	14:36	8.8	Surface	1.0	1	21.9	7.9	28.6	6.4	86.6	6.7	8.5	6.5	7.4	7.0	
			2	21.9	7.9	28.6	6.4	86.7	6.6	8.3									
	Middle	4.4	1	21.9	7.9	28.6	6.6	89.5	7.6	7.0									
	Bottom	7.8	1	21.9	7.9	28.6	6.7	89.7	7.7	6.6									
			2	21.7	7.9	28.8	6.8	91.5	7.8	5.8									
			2	21.7	7.9	28.8	6.8	91.5	7.8	5.8									
	TCE-WQM2a	Cloudy	Moderate	15:08	7.6	Surface	1.0	1	22.2	7.9	28.3	6.3	84.7	6.8	9.6	6.2	10.7	8.8	
			2	22.2	7.9	28.3	6.3	84.7	6.8	9.6									
	Middle	3.8	1	22.2	7.9	29.4	6.2	84.4	11.4	8.9									
	Bottom	6.6	1	22.2	7.9	29.4	6.2	84.5	11.9	8.8									
			2	22.2	7.9	29.7	6.3	85.3	13.9	7.6									
			2	22.2	7.9	29.7	6.3	85.3	13.5	8.0									
TCE-WQM2b	Cloudy	Moderate	15:20	11.9	Surface	1.0	1	22.2	7.9	29.3	6.2	84.8	7.1	8.6	6.2	8.9	7.7		
		2	22.2	7.9	29.5	6.2	84.8	7.1	8.6										
Middle	6.0	1	22.1	7.9	30.7	6.3	85.7	8.8	7.4										
Bottom	10.9	1	22.1	7.9	30.8	6.3	85.9	9.3	7.7										
		2	22.1	7.9	31.0	6.4	88.1	10.7	6.9										
		2	22.1	7.9	31.0	6.4	88.3	10.5	7.1										
TCE-WQM3A	Cloudy	Moderate	14:58	5.4	Surface	1.0	1	22.1	8.0	28.3	6.2	84.2	16.7	9.7	6.2	16.0	9.2		
		2	22.1	8.0	28.3	6.2	84.3	16.9	9.7										
Bottom	4.4	1	22.1	8.0	28.3	6.3	85.1	15.2	8.4										
		2	22.1	8.0	28.3	6.3	85.2	15.1	9.1										
TCE-WQM4	Cloudy	Moderate	14:47	4.3	Surface	1.0	1	22.1	7.9	28.4	6.4	86.3	6.9	6.8	6.4	7.3	9.0		
		2	22.1	7.9	28.4	6.4	86.3	7.0	7.4										
Bottom	3.3	1	22.0	7.9	28.4	6.4	86.8	7.5	10.6										
		2	22.0	7.9	28.4	6.5	87.0	7.6	11.0										
		2	22.1	7.9	28.4	6.4	86.8	7.5	10.6										
		2	22.1	7.9	28.4	6.4	86.8	7.5	10.6										
2022-04-20	Mid-Flood	TCE-C1	Cloudy	Moderate	10:19	8.4	Surface	1.0	1	22.0	8.0	30.6	6.9	94.9	4.9	7.8	6.9	11.3	7.1
									2	22.0	8.0	30.6	6.9	94.8	5.2	8.2			
							Middle	4.2	1	22.1	8.0	31.8	6.8	94.1	13.5	7.3			
							Bottom	7.4	1	22.1	8.0	31.8	6.8	94.1	13.0	7.7			
				2	22.1	8.0	32.1	6.8	94.1	15.7	6.0								
				2	22.1	8.0	32.1	6.8	94.1	15.3	5.8								
		TCE-C2	Cloudy	Moderate	8:17	13.8	Surface	1.0	1	22.2	8.0	28.6	6.2	84.0	14.0	18.3	6.2	13.3	19.5
				2	22.2	8.0	28.6	6.2	84.0	14.3	18.0								
		Middle	6.9	1	22.2	8.0	28.7	6.2	84.1	13.6	19.4								
		Bottom	12.8	1	22.2	8.0	28.7	6.2	84.2	13.2	19.0								
				2	22.1	8.0	28.7	6.3	84.9	12.6	20.9								
				2	22.1	8.0	28.7	6.3	85.1	12.2	21.4								
	TCE-WQM1	Cloudy	Moderate	9:34	8.4	Surface	1.0	1	21.9	7.9	28.4	6.3	84.4	8.9	7.4	6.3	7.7	6.2	
			2	21.9	7.9	28.4	6.3	84.5	8.8	6.9									
	Middle	4.2	1	21.9	7.9	28.5	6.4	85.7	6.7	6.0									
	Bottom	7.4	1	21.9	7.9	28.5	6.4	85.7	6.8	5.8									
			2	21.9	7.9	28.6	6.4	86.4	7.6	5.3									
			2	21.9	7.9	28.6	6.4	86.5	7.7	5.6									
	TCE-WQM2a	Cloudy	Moderate	9:00	7.4	Surface	1.0	1	22.1	7.9	28.2	6.3	85.2	5.1	9.8	6.3	7.8	8.2	
			2	22.1	7.9	28.2	6.3	85.2	5.1	9.4									
	Middle	3.7	1	22.1	7.9	28.2	6.3	85.1	5.2	8.0									
	Bottom	6.4	1	22.1	7.9	28.3	6.3	84.5	4.8	8.2									
			2	22.1	7.9	28.5	6.3	84.8	13.5	7.0									
			2	22.1	7.9	28.5	6.3	84.9	13.3	6.5									
TCE-WQM2b	Cloudy	Moderate	8:47	10.5	Surface	1.0	1	22.2	7.9	28.6	6.2	83.8	13.1	17.9	6.2	12.9	16.5		
		2	22.2	7.9	28.6	6.2	83.8	13.2	17.3										
Middle	5.3	1	22.2	7.9	28.6	6.2	83.6	12.2	16.7										
Bottom	9.5	1	22.2	7.9	28.6	6.2	83.6	12.3	16.2										
		2	22.2	8.0	28.6	6.2	83.7	13.4	15.6										
		2	22.2	8.0	28.6	6.2	83.8	13.4	15.0										
TCE-WQM3A	Cloudy	Moderate	9:12	5.0	Surface	1.0	1	22.1	7.9	28.3	6.2	83.1	6.9	5.9	6.2	7.9	7.4		
		2	22.1	7.9	28.3	6.2	83.1	6.9	6.3										
Bottom	4.0	1	22.1	7.9	28.4	6.2	84.2	8.7	8.5										
		2	22.1	7.9	28.4	6.2	84.3	8.9	9.0										
TCE-WQM4	Cloudy	Moderate	9:21	4.4	Surface	1.0	1	22.1	7.9	28.4	6.4	85.8	5.4	8.3	6.4	6.2	9.1		
		2	22.1	7.9	28.4	6.4	85.8	5.5	8.7										
Bottom	3.4	1	22.1	7.9	28.5	6.4	86.9	6.8	9.4										
		2	22.1	7.9	28.5	6.4	87.0	7.0	9.8										

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)
2022-04-22	Mid-Ebb	TCE-C1	Fine	Calm	15:38	7.8	Surface	1.0	1	22.4	8.1	32.1	7.4	102.1	4.2	2.1	7.3	5.2	2.9
									2	22.4	8.1	32.3	7.3	101.8	4.2	2.3			
							Middle	3.9	1	22.2	8.1	32.8	7.3	101.3	5.1	2.6			
							Bottom	6.8	1	22.2	8.1	32.9	7.3	101.3	5.1	2.9			
				2	22.2	8.1	33.1	7.4	102.3	6.2	3.4								
				2	22.2	8.1	33.1	7.4	102.7	6.2	3.9								
		TCE-C2	Fine	Calm	18:00	11.8	Surface	1.0	1	22.3	8.0	32.1	6.5	90.3	1.7	6.6	6.5	2.4	5.7
									2	22.2	8.0	32.2	6.5	90.1	1.7	6.2			
							Middle	5.9	1	22.2	8.0	32.3	6.5	90.3	2.2	5.5			
							Bottom	10.8	1	22.2	8.0	32.3	6.5	90.4	2.2	5.7			
				2	22.2	8.0	32.3	6.7	92.7	3.4	4.9								
				2	22.2	8.0	32.3	7.0	96.7	3.4	5.2								
	TCE-WQM1	Fine	Calm	16:56	8.2	Surface	1.0	1	22.8	8.0	29.8	6.9	95.1	3.2	2.5	6.9	4.1	3.3	
								2	22.8	8.0	29.8	6.9	95.1	3.1	2.9				
						Middle	4.1	1	22.9	8.0	29.8	6.9	95.5	4.1	3.0				
						Bottom	7.2	1	22.9	8.0	29.8	6.9	95.7	4.1	3.4				
			2	22.9	8.0	29.7	7.0	96.1	5.0	3.7									
			2	22.9	8.0	29.7	7.0	96.2	5.0	4.0									
	TCE-WQM2a	Fine	Calm	17:26	8.2	Surface	1.0	1	22.6	8.0	29.7	6.7	91.9	4.9	3.4	6.7	6.1	3.7	
								2	22.6	8.0	29.7	6.7	91.9	4.9	3.1				
						Middle	4.1	1	22.4	8.0	30.5	6.6	91.3	6.4	3.8				
						Bottom	7.2	1	22.4	8.0	30.6	6.6	91.3	6.5	3.5				
			2	22.3	8.0	31.0	6.7	91.5	7.1	4.0									
			2	22.3	8.0	31.0	6.7	91.9	7.1	4.1									
TCE-WQM2b	Fine	Calm	17:36	10.0	Surface	1.0	1	22.8	8.0	29.3	6.9	94.4	3.4	4.2	6.7	4.4	5.1		
							2	22.8	8.0	29.4	6.8	94.0	3.2	4.5					
					Middle	5.0	1	22.3	8.0	31.0	6.6	91.4	4.1	4.8					
					Bottom	9.0	1	22.3	8.0	31.1	6.6	91.2	4.1	5.1					
		2	22.3	8.0	31.1	6.7	91.8	5.9	6.1										
		2	22.3	8.0	31.1	6.7	92.1	5.8	5.7										
TCE-WQM3A	Fine	Calm	17:16	4.0	Surface	1.0	1	23.2	8.0	28.2	7.5	103.7	2.9	4.4	7.5	3.1	4.0		
							2	23.2	8.0	28.2	7.5	103.8	3.0	4.1					
					Bottom	3.0	1	23.2	8.0	28.4	7.7	105.4	3.3	3.5					
		2	23.2	8.0	28.3	7.7	106.1	3.3	3.8										
TCE-WQM4	Fine	Calm	17:06	3.4	Surface	1.0	1	23.1	8.0	29.9	7.5	104.5	4.7	4.4	7.5	5.1	4.0		
							2	23.1	8.0	29.9	7.6	104.9	4.7	4.1					
					Bottom	2.4	1	23.0	8.0	30.0	7.8	107.7	5.4	3.8					
		2	23.0	8.0	30.0	7.8	108.4	5.4	3.7										
2022-04-22	Mid-Flood	TCE-C1	Fine	Calm	10:06	7.8	Surface	1.0	1	22.5	8.1	33.5	7.6	106.9	3.5	6.1	7.6	4.3	5.4
									2	22.4	8.1	33.5	7.6	106.7	3.4	5.9			
							Middle	3.9	1	22.4	8.1	33.7	7.6	106.6	4.2	5.2			
							Bottom	6.8	1	22.7	8.1	33.6	7.6	106.8	4.2	5.4			
				2	22.7	8.1	33.5	7.7	108.3	5.1	4.9								
				2	22.7	8.1	33.5	7.7	108.7	5.1	4.6								
		TCE-C2	Fine	Calm	8:10	12.0	Surface	1.0	1	22.6	8.0	33.4	7.6	107.0	1.1	6.0	7.6	1.6	5.1
									2	22.6	8.0	33.4	7.6	107.0	1.1	5.6			
							Middle	6.0	1	22.4	8.0	33.6	7.5	105.4	1.7	5.3			
							Bottom	11.0	1	22.4	8.0	33.6	7.5	105.1	1.7	5.1			
				2	22.3	8.0	33.8	7.4	103.6	2.0	4.6								
				2	22.3	8.0	33.8	7.4	103.7	2.1	4.2								
	TCE-WQM1	Fine	Calm	9:05	9.0	Surface	1.0	1	22.1	8.1	33.8	7.4	102.8	3.2	3.0	7.4	4.4	4.2	
								2	22.1	8.1	33.8	7.4	102.8	3.2	3.4				
						Middle	4.5	1	22.1	8.1	33.9	7.4	103.0	4.3	4.3				
						Bottom	8.0	1	22.1	8.1	33.9	7.4	103.1	4.3	4.5				
			2	22.1	8.1	33.8	7.5	104.3	5.7	5.2									
			2	22.1	8.1	33.8	7.5	104.5	5.7	4.9									
	TCE-WQM2a	Fine	Calm	8:33	6.8	Surface	1.0	1	22.6	8.1	33.1	7.8	109.4	1.4	6.7	7.8	2.4	5.6	
								2	22.6	8.1	33.1	7.8	109.4	1.4	6.3				
						Middle	3.4	1	22.5	8.1	33.4	7.7	108.1	2.3	5.8				
						Bottom	5.8	1	22.4	8.1	33.4	7.7	108.0	2.4	5.3				
			2	22.4	8.1	33.6	7.7	108.0	3.3	5.0									
			2	22.4	8.1	33.6	7.7	108.1	3.4	4.6									
TCE-WQM2b	Fine	Calm	8:22	10.4	Surface	1.0	1	22.5	8.1	33.2	7.8	109.0	1.4	3.6	7.7	2.4	5.0		
							2	22.5	8.1	33.2	7.8	108.9	1.4	4.1					
					Middle	5.2	1	22.4	8.1	33.6	7.6	107.0	2.2	4.9					
					Bottom	9.4	1	22.4	8.1	33.6	7.7	107.2	2.2	4.5					
		2	22.5	8.1	33.4	7.8	108.6	3.7	6.3										
		2	22.5	8.1	33.3	7.8	108.8	3.8	6.3										
TCE-WQM3A	Fine	Calm	8:44	4.8	Surface	1.0	1	22.6	8.1	33.2	7.8	109.2	1.3	6.4	7.8	1.7	7.0		
							2	22.6	8.1	33.2	7.8	109.2	1.3	6.4					
					Bottom	3.8	1	22.5	8.0	33.3	7.8	108.8	2.1	7.3					
		2	22.5	8.0	33.3	7.8	108.7	2.1	7.8										
TCE-WQM4	Fine	Calm	8:53	3.8	Surface	1.0	1	22.7	8.1	32.9	7.8	109.8	1.2	5.9	7.8	1.3	5.2		
							2	22.7	8.1	33.0	7.8	109.8	1.2	5.4					
					Bottom	2.8	1	22.5	8.0	33.3	7.8	109.5	1.3	5.0					
		2	22.5	8.0	33.3	7.8	109.5	1.4	4.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-04-25	Mid-Ebb	TCE-C1	Fine	Moderate	11:30	8.5	Surface	1.0	1	24.6	8.0	25.7	7.7	106.5	3.5	4.4	7.4	14.5	4.8
									2	24.6	8.0	25.7	7.7	106.5	3.5	4.1			
							Middle	4.3	1	24.5	8.0	26.2	7.1	98.9	6.5	4.9			
							Bottom	7.5	1	24.5	8.0	26.2	7.1	98.8	6.4	4.6			
				2	24.5	8.0	26.2	7.1	99.2	33.5	5.3								
				2	24.5	8.0	26.2	7.1	99.3	33.6	5.6								
				1	23.5	8.0	27.3	6.9	95.1	1.0	3.8								
				2	23.4	8.0	27.3	6.9	94.3	1.0	4.1								
	TCE-C2	Cloudy	Moderate	9:38	12.8	Surface	1.0	1	23.5	8.0	27.3	6.9	95.1	1.0	3.8	6.4	0.8	4.6	
								2	23.4	8.0	27.3	6.9	94.3	1.0	4.1				
						Middle	6.4	1	23.2	8.0	30.3	5.9	82.7	1.0	4.5				
						Bottom	11.8	1	23.2	8.0	30.3	5.9	82.5	1.1	4.8				
			2	23.3	8.1	30.5	6.1	85.3	0.5	5.0									
			2	23.3	8.1	30.5	6.1	85.5	0.5	5.3									
	TCE-WQM1	Fine	Moderate	10:55	8.2	Surface	1.0	1	24.5	8.0	26.1	7.2	100.0	3.5	6.4	7.1	4.7	5.0	
								2	24.5	8.0	26.2	7.2	99.9	3.5	6.0				
						Middle	4.1	1	24.4	7.9	26.3	7.0	96.7	5.1	4.8				
						Bottom	7.2	1	24.4	7.9	26.3	7.0	96.6	5.2	4.6				
			2	24.5	8.0	26.5	6.9	95.6	5.3	4.2									
			2	24.5	8.0	26.5	6.9	95.6	5.4	4.0									
	TCE-WQM2a	Cloudy	Moderate	10:24	7.5	Surface	1.0	1	24.4	7.9	26.9	6.7	93.3	8.5	3.2	6.4	5.6	3.9	
								2	24.4	7.9	26.9	6.7	93.3	8.5	3.5				
						Middle	3.8	1	23.6	7.9	28.5	6.0	83.4	2.1	3.8				
						Bottom	6.5	1	23.6	7.9	28.6	6.0	83.4	2.1	4.1				
		2	23.7	7.9	28.7	6.0	84.0	6.0	4.6										
		2	23.7	7.9	28.7	6.0	84.0	6.4	4.4										
TCE-WQM2b	Cloudy	Moderate	10:12	11.8	Surface	1.0	1	24.6	8.1	22.8	8.9	121.1	1.7	4.9	7.9	4.0	5.6		
							2	24.5	8.1	22.8	8.8	120.4	1.7	4.6					
					Middle	5.9	1	24.2	8.0	26.2	6.9	95.3	2.5	5.3					
					Bottom	10.8	1	24.2	8.0	26.2	6.9	95.0	2.5	5.6					
		2	23.2	8.0	29.9	5.8	81.1	7.7	6.3										
		2	23.2	8.0	29.9	5.8	81.1	7.6	6.8										
TCE-WQM3A	Fine	Moderate	10:35	4.4	Surface	1.0	1	24.6	8.0	26.1	7.2	100.1	4.5	6.0	7.2	6.9	5.1		
							2	24.5	8.0	26.2	7.2	100.0	4.8	5.7					
					Bottom	3.4	1	24.4	8.0	26.4	6.7	93.7	9.1	4.6					
							2	24.4	8.0	26.4	6.7	93.7	9.0	4.0					
TCE-WQM4	Fine	Moderate	10:45	3.7	Surface	1.0	1	24.8	8.0	26.1	7.4	104.1	5.1	4.3	7.4	4.6	5.0		
							2	24.8	8.0	26.1	7.5	104.2	4.8	4.0					
					Bottom	2.7	1	24.8	8.0	26.2	7.3	101.8	4.1	6.0					
							2	24.8	8.0	26.2	7.3	102.1	4.3	5.7					
		2	23.2	8.0	29.9	5.8	81.1	7.7	6.3										
		2	23.2	8.0	29.9	5.8	81.1	7.6	6.8										
2022-04-25	Mid-Flood	TCE-C1	Fine	Moderate	12:45	8.0	Surface	1.0	1	24.6	8.0	25.8	7.5	105.0	4.3	6.1	7.4	8.2	5.5
									2	24.6	8.0	25.8	7.5	105.0	4.5	6.5			
							Middle	4.0	1	24.5	8.0	26.1	7.2	100.0	9.8	5.4			
									2	24.5	8.0	26.1	7.2	100.0	9.7	5.8			
							Bottom	7.0	1	24.6	8.0	26.1	7.2	100.3	10.1	4.8			
									2	24.6	8.0	26.1	7.2	100.3	10.6	4.4			
									1	25.3	8.1	24.6	9.2	128.2	1.5	3.8			
									2	25.3	8.1	24.6	9.2	128.2	1.5	4.2			
		TCE-C2	Sunny	Moderate	14:45	13.0	Surface	1.0	1	25.3	8.1	24.6	9.2	128.2	1.5	3.8	8.0	1.7	4.6
									2	25.3	8.1	24.6	9.2	128.2	1.5	4.2			
							Middle	6.5	1	23.8	8.0	28.4	6.9	95.8	0.6	4.4			
							Bottom	12.0	1	23.7	8.0	28.5	6.9	95.6	0.7	4.7			
				2	23.2	8.0	30.1	6.2	85.7	3.1	5.0								
				2	23.2	8.0	30.1	6.2	85.8	3.2	5.2								
		TCE-WQM1	Sunny	Moderate	13:36	8.3	Surface	1.0	1	24.6	8.0	26.1	7.3	101.8	3.3	4.9	7.1	4.7	5.7
									2	24.6	8.0	26.1	7.3	101.8	3.3	5.1			
							Middle	4.2	1	24.5	7.9	26.6	6.8	95.5	3.7	5.5			
							Bottom	7.3	1	24.5	7.9	26.6	6.8	95.4	3.9	6.1			
				2	24.5	8.0	26.9	6.7	93.8	7.0	6.4								
				2	24.5	8.0	26.9	6.7	93.8	6.9	6.0								
		TCE-WQM2a	Sunny	Moderate	14:09	7.7	Surface	1.0	1	25.0	8.0	25.7	7.6	106.7	5.8	4.5	7.3	4.0	5.6
									2	25.0	8.0	25.7	7.6	106.7	5.8	4.3			
							Middle	3.9	1	24.5	8.0	27.0	6.9	96.3	2.3	5.9			
							Bottom	6.7	1	24.5	8.0	27.0	6.9	96.2	2.3	5.5			
		2	24.1	8.0	27.6	6.6	91.9	4.0	6.4										
		2	24.1	8.0	27.7	6.6	92.1	3.8	6.8										
TCE-WQM2b	Sunny	Moderate	14:21	11.3	Surface	1.0	1	26.1	8.2	21.5	10.1	140.8	1.2	6.9	8.6	4.4	6.2		
							2	26.1	8.2	21.5	10.1	140.5	1.3	6.7					
					Middle	5.7	1	24.5	8.0	25.5	7.2	99.8	2.4	6.1					
					Bottom	10.3	1	24.5	8.0	25.5	7.2	99.6	2.7	6.4					
		2	23.4	8.0	29.4	6.1	84.5	9.4	5.4										
		2	23.4	8.0	29.4	6.1	84.7	9.2	5.9										
TCE-WQM3A	Sunny	Moderate	13:59	4.4	Surface	1.0	1	24.8	8.0	26.1	7.3	101.8	3.3	4.2	7.3	4.9	4.7		
							2	24.8	8.0	26.1	7.3	101.8	3.3	4.5					
					Bottom	3.4	1	24.6	8.0	26.4	7.1	98.9	6.4	4.8					
							2	24.6	8.0	26.4	7.1	98.6	6.7	5.2					
TCE-WQM4	Sunny	Moderate	13:48	3.6	Surface	1.0	1	25.0	8.0	26.2	7.5	105.5	2.0	5.9	7.5	4.4	6.1		
							2	25.0	8.0	26.2	7.5	105.4	2.1	5.6					
					Bottom	2.6	1	24.9	8.0	26.5	7.1	99.9	6.7	6.5					
							2	24.9	8.0	26.5	7.1	99.8	6.9	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)
2022-04-27	Mid-Ebb	TCE-C1	Fine	Calm	13:05	7.8	Surface	1.0	1	25.8	8.1	26.8	7.5	107.3	3.5	1.5	7.5	4.5	2.2
									2	25.7	8.1	26.8	7.5	107.6	3.7	1.8			
							Middle	3.9	1	24.4	8.1	29.7	7.4	105.4	4.3	2.1			
							Bottom	6.8	1	24.3	8.1	29.7	7.5	105.5	4.3	2.3			
				2	24.3	8.1	29.8	7.5	106.2	5.4	2.7								
				2	24.3	8.1	29.8	7.5	106.3	5.4	3.0								
		TCE-C2	Fine	Calm	10:48	12.0	Surface	1.0	1	25.3	8.0	26.6	7.3	103.5	0.6	2.8	7.0	1.1	1.9
									2	25.3	8.0	26.6	7.3	103.3	0.6	2.4			
							Middle	6.0	1	23.9	8.0	29.7	6.8	95.3	1.1	1.9			
							Bottom	11.0	1	23.9	8.0	29.8	6.8	95.3	1.1	1.7			
				2	23.8	7.9	30.4	6.8	95.8	1.7	1.4								
				2	23.8	7.9	30.3	6.8	96.0	1.7	1.2								
	TCE-WQM1	Fine	Calm	12:05	8.2	Surface	1.0	1	25.3	8.0	26.9	7.3	103.8	4.1	2.6	7.3	5.1	2.8	
								2	25.3	8.0	26.9	7.3	103.8	4.1	2.2				
						Middle	4.1	1	25.3	8.0	27.0	7.4	104.4	5.1	2.8				
						Bottom	7.2	1	25.3	8.0	27.0	7.4	104.5	5.1	3.0				
			2	25.2	8.0	27.1	7.4	105.1	6.1	3.1									
			2	25.2	8.0	27.1	7.4	105.3	6.2	3.3									
	TCE-WQM2a	Fine	Calm	11:32	6.6	Surface	1.0	1	24.6	8.0	27.7	7.1	100.1	2.0	3.4	7.1	2.4	3.1	
								2	24.6	8.0	27.7	7.1	100.1	2.0	3.8				
						Middle	3.3	1	24.6	8.0	27.8	7.1	99.5	2.1	3.2				
						Bottom	5.6	1	24.6	8.0	27.8	7.1	99.5	2.1	2.9				
			2	24.5	8.0	27.9	7.1	99.2	3.1	2.7									
			2	24.5	8.1	27.9	7.1	99.2	3.1	2.7									
TCE-WQM2b	Fine	Calm	11:20	10.0	Surface	1.0	1	25.1	8.1	24.0	7.9	110.1	1.1	1.9	7.7	1.6	1.3		
							2	25.1	8.1	23.9	7.9	109.6	1.1	1.8					
					Middle	5.0	1	25.0	8.1	25.5	7.5	105.0	1.4	1.4					
					Bottom	9.0	1	25.0	8.1	25.5	7.5	105.1	1.3	1.3					
		2	25.0	8.1	25.5	7.5	105.5	2.4	0.8										
		2	25.0	8.1	25.5	7.5	105.5	2.4	0.6										
TCE-WQM3A	Fine	Calm	11:43	4.8	Surface	1.0	1	25.1	8.0	26.4	7.4	104.3	5.3	1.3	7.4	5.7	2.3		
							2	25.1	8.0	26.5	7.4	104.1	5.5	1.4					
					Bottom	3.8	1	24.8	8.0	27.1	6.9	96.8	6.1	3.1					
		2	24.8	8.0	27.1	6.9	97.4	6.1	3.3										
TCE-WQM4	Fine	Calm	11:53	4.0	Surface	1.0	1	25.6	8.0	27.4	7.6	107.8	3.2	1.8	7.6	3.7	2.1		
							2	25.6	8.0	27.4	7.6	107.8	3.2	1.9					
					Bottom	3.0	1	25.5	8.0	27.5	7.6	108.1	4.1	2.4					
		2	25.5	8.0	27.5	7.6	108.2	4.1	2.2										
2022-04-27	Mid-Flood	TCE-C1	Fine	Calm	15:07	7.8	Surface	1.0	1	25.7	8.0	27.3	7.4	105.4	1.1	1.8	7.3	2.5	2.2
									2	25.7	8.0	27.3	7.4	105.4	1.1	1.6			
							Middle	3.9	1	24.3	8.0	28.6	7.2	101.7	2.7	2.1			
							Bottom	6.8	1	24.3	8.0	28.8	7.2	101.5	2.7	2.3			
				2	24.0	8.1	30.2	7.1	100.9	3.9	2.6								
				2	24.0	8.1	30.2	7.1	100.9	3.8	3.0								
		TCE-C2	Fine	Calm	17:38	12.0	Surface	1.0	1	24.9	8.0	27.3	7.0	98.9	1.8	1.5	6.7	3.1	2.5
									2	24.9	8.0	27.3	7.0	98.8	1.9	1.2			
							Middle	6.0	1	23.3	8.0	31.7	6.4	90.6	3.3	2.3			
							Bottom	11.0	1	23.3	8.0	31.7	6.4	90.6	3.3	2.6			
				2	23.4	8.0	31.7	6.5	91.3	4.1	3.4								
				2	23.4	8.0	31.7	6.5	91.5	4.1	3.9								
	TCE-WQM1	Fine	Calm	16:02	8.4	Surface	1.0	1	26.1	8.0	27.1	7.5	108.2	1.8	3.6	7.4	2.7	3.2	
								2	26.1	8.0	27.1	7.5	108.0	1.8	3.4				
						Middle	4.2	1	25.8	8.0	27.2	7.2	103.6	2.9	3.1				
						Bottom	7.4	1	25.8	8.0	27.2	7.2	103.6	3.0	3.5				
			2	25.4	8.0	27.6	7.1	101.0	3.3	3.0									
			2	25.4	8.0	27.6	7.1	101.1	3.3	2.7									
	TCE-WQM2a	Fine	Calm	16:50	8.0	Surface	1.0	1	25.7	8.0	25.4	7.6	107.9	1.4	2.1	7.4	3.4	2.8	
								2	25.7	8.0	25.4	7.6	107.9	1.4	2.4				
						Middle	4.0	1	24.9	8.0	26.9	7.1	99.8	3.7	2.6				
						Bottom	7.0	1	24.9	8.0	26.9	7.1	99.7	3.7	2.9				
			2	24.8	8.0	27.2	7.1	99.4	5.1	3.2									
			2	24.8	8.0	27.2	7.1	99.4	5.1	3.4									
TCE-WQM2b	Fine	Calm	17:04	11.0	Surface	1.0	1	25.4	8.0	26.0	7.5	105.9	3.0	1.6	7.2	5.9	2.9		
							2	25.3	8.0	26.1	7.5	105.8	3.1	1.9					
					Middle	5.5	1	24.6	8.0	27.7	6.9	96.3	6.0	3.1					
					Bottom	10.0	1	24.5	8.0	27.8	6.8	96.1	6.0	2.8					
		2	24.2	8.0	28.8	6.8	95.7	8.7	4.2										
		2	24.2	8.0	28.8	6.8	95.9	8.5	3.9										
TCE-WQM3A	Fine	Calm	16:37	3.8	Surface	1.0	1	25.6	8.0	26.0	7.5	105.7	3.2	20.5	7.5	3.9	18.0		
							2	25.6	8.0	26.0	7.5	105.7	3.2	20.9					
					Bottom	2.8	1	25.6	8.1	26.1	7.4	105.0	4.7	15.4					
		2	25.6	8.1	26.1	7.4	105.0	4.7	15.0										
TCE-WQM4	Fine	Calm	16:22	4.0	Surface	1.0	1	25.7	8.0	25.6	7.6	107.8	2.6	2.4	7.6	3.2	3.1		
							2	25.7	8.0	25.6	7.6	107.8	2.6	2.8					
					Bottom	3.0	1	25.5	8.0	26.1	7.5	106.0	3.8	3.5					
		2	25.5	8.0	26.1	7.5	106.0	3.8	3.8										

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)
2022-04-29	Mid-Ebb	TCE-C1	Fine	Moderate	12:58	7.8	Surface	1.0	1	26.4	8.0	25.8	7.2	102.8	1.2	2.6	7.2	2.4	4.2
									2	25.2	8.0	26.5	7.3	102.8	1.3	3.0			
							Middle	3.9	1	25.0	8.0	26.8	7.3	102.4	2.5	4.6			
							Bottom	6.8	1	24.2	8.0	30.2	7.2	102.5	3.4	5.0			
				2	24.3	8.0	30.2	7.2	102.7	3.3	5.5								
		TCE-C2	Fine	Moderate	10:59	11.2	Surface	1.0	1	24.7	7.9	28.1	6.4	90.6	1.0	2.9	6.3	1.4	2.4
									2	24.6	7.9	28.2	6.4	90.5	1.0	3.1			
							Middle	5.6	1	24.0	7.9	30.8	6.3	88.6	1.1	2.2			
							Bottom	10.2	1	24.0	7.9	30.8	6.3	88.6	1.2	2.5			
				2	24.0	7.9	30.8	6.3	88.9	2.0	1.7								
		TCE-WQM1	Fine	Moderate	12:18	8.4	Surface	1.0	1	25.8	8.0	26.1	7.0	99.3	1.1	1.6	7.0	2.1	2.4
									2	25.9	8.0	26.1	7.0	99.4	1.0	1.7			
	Middle						4.2	1	25.9	8.0	26.1	7.0	99.8	2.2	2.4				
	Bottom						7.4	1	25.9	8.0	26.1	7.0	99.8	2.1	2.2				
			2	25.9	8.0	26.1	7.4	105.1	3.1	3.2									
	TCE-WQM2a	Fine	Moderate	11:42	6.6	Surface	1.0	1	25.0	7.9	27.7	6.6	93.0	1.0	1.6	6.6	1.1	2.2	
								2	25.0	7.9	27.7	6.6	93.0	1.0	1.8				
						Middle	3.3	1	24.8	7.9	28.2	6.6	93.2	1.2	2.1				
						Bottom	5.6	1	24.7	7.9	28.3	6.6	93.3	1.1	2.3				
			2	24.7	7.9	28.6	6.6	94.0	1.2	2.8									
	TCE-WQM2b	Fine	Moderate	11:32	10.0	Surface	1.0	1	25.5	7.9	25.5	6.7	93.9	2.0	2.6	6.7	2.1	2.2	
								2	25.5	7.9	25.5	6.7	93.9	2.0	2.9				
						Middle	5.0	1	25.4	7.9	25.9	6.7	94.3	2.1	2.1				
						Bottom	9.0	1	25.4	7.9	25.9	6.7	94.4	2.1	2.4				
		2	25.4	7.9	25.8	6.8	95.9	2.2	1.5										
TCE-WQM3A	Fine	Moderate	11:54	5.0	Surface	1.0	1	25.6	8.0	26.1	6.8	96.1	3.5	2.2	6.8	4.0	2.0		
							2	25.6	8.0	26.1	6.8	96.1	3.7	2.5					
					Bottom	4.0	1	25.6	8.0	26.3	6.8	96.8	4.4	1.8					
							2	25.6	8.0	26.3	6.8	97.0	4.6	1.4					
TCE-WQM4	Fine	Moderate	12:05	3.8	Surface	1.0	1	26.1	7.9	26.5	6.8	97.5	3.0	1.9	6.8	3.7	2.2		
							2	26.0	8.0	26.5	6.8	97.7	3.1	1.5					
					Bottom	2.8	1	26.0	8.0	26.5	6.9	99.2	4.4	2.4					
							2	26.0	8.0	26.4	7.0	99.6	4.4	2.9					
2022-04-29	Mid-Flood	TCE-C1	Fine	Moderate	16:47	7.8	Surface	1.0	1	25.5	8.0	25.9	7.2	101.2	1.0	3.4	7.1	1.3	2.8
									2	25.5	8.0	26.0	7.1	100.9	1.0	3.1			
							Middle	3.9	1	25.4	8.0	26.5	7.1	101.1	1.1	2.9			
							Bottom	6.8	1	25.4	8.0	26.5	7.2	101.2	1.1	2.6			
				2	25.6	8.0	27.5	7.0	99.5	1.8	2.4								
		TCE-C2	Fine	Moderate	19:18	12.2	Surface	1.0	1	25.1	8.2	30.3	8.8	126.7	1.1	4.7	8.7	1.6	4.2
									2	25.2	8.2	30.4	8.8	126.6	1.0	4.9			
							Middle	6.1	1	25.2	8.2	30.9	8.7	126.1	1.6	4.0			
							Bottom	11.2	1	25.2	8.2	31.1	8.6	125.3	1.5	4.4			
				2	25.3	8.1	31.2	8.5	123.7	2.3	3.7								
		TCE-WQM1	Fine	Moderate	17:41	8.4	Surface	1.0	1	25.4	8.2	31.2	8.5	123.3	2.4	3.4	8.5	2.4	3.9
									2	25.4	8.1	26.6	8.4	118.4	1.9	3.1			
	Middle						4.2	1	25.4	8.1	26.7	8.6	121.2	1.8	3.4				
	Bottom						7.4	1	25.4	8.1	29.9	8.2	117.8	2.2	3.8				
			2	25.4	8.1	30.1	8.1	117.8	2.2	4.1									
	TCE-WQM2a	Fine	Moderate	18:30	7.0	Surface	1.0	1	25.5	8.1	30.4	8.1	117.9	3.1	4.3	8.1	1.4	3.2	
								2	25.6	8.1	30.3	8.1	118.1	3.2	4.6				
						Middle	3.5	1	25.0	8.1	28.8	9.0	127.6	1.0	4.0				
						Bottom	6.0	1	24.2	8.1	32.3	8.4	120.8	1.1	3.4				
			2	24.2	8.1	32.3	8.4	121.0	1.2	3.1									
	TCE-WQM2b	Fine	Moderate	18:44	10.2	Surface	1.0	1	24.3	8.1	32.1	8.4	120.4	2.2	2.6	8.4	1.7	4.3	
								2	24.4	8.1	32.1	8.4	120.5	2.1	2.3				
						Middle	5.1	1	25.1	8.2	29.7	8.8	126.8	1.0	4.9				
						Bottom	9.2	1	25.1	8.2	29.8	8.8	126.8	1.1	4.6				
		2	25.1	8.2	30.2	8.8	126.7	1.5	4.4										
TCE-WQM3A	Fine	Moderate	18:17	3.6	Surface	1.0	1	25.2	8.2	31.3	8.7	126.6	2.5	3.9	8.6	1.4	3.1		
							2	25.2	8.2	31.1	8.7	126.6	2.4	3.7					
					Middle	2.6	1	25.2	8.2	29.8	8.6	124.4	1.4	3.5					
					Bottom	2.6	1	25.4	8.2	29.9	8.6	124.3	1.5	3.3					
		2	25.4	8.2	30.0	8.6	124.1	1.4	2.6										
TCE-WQM4	Fine	Moderate	18:01	4.0	Surface	1.0	1	25.4	8.2	30.1	8.6	124.1	1.4	3.0	8.6	1.8	3.7		
							2	25.4	8.2	30.1	8.6	124.1	1.4	3.0					
					Middle	3.0	1	25.5	8.1	29.5	8.4	121.0	1.5	3.1					
					Bottom	3.0	1	25.6	8.1	29.4	8.4	121.1	1.6	3.0					
		2	23.2	8.1	34.3	8.0	113.6	2.1	4.5										
		2	23.2	8.1	34.3	8.0	113.4	2.2	4.0										