

Annex G3

## Monitoring Results for Water Quality

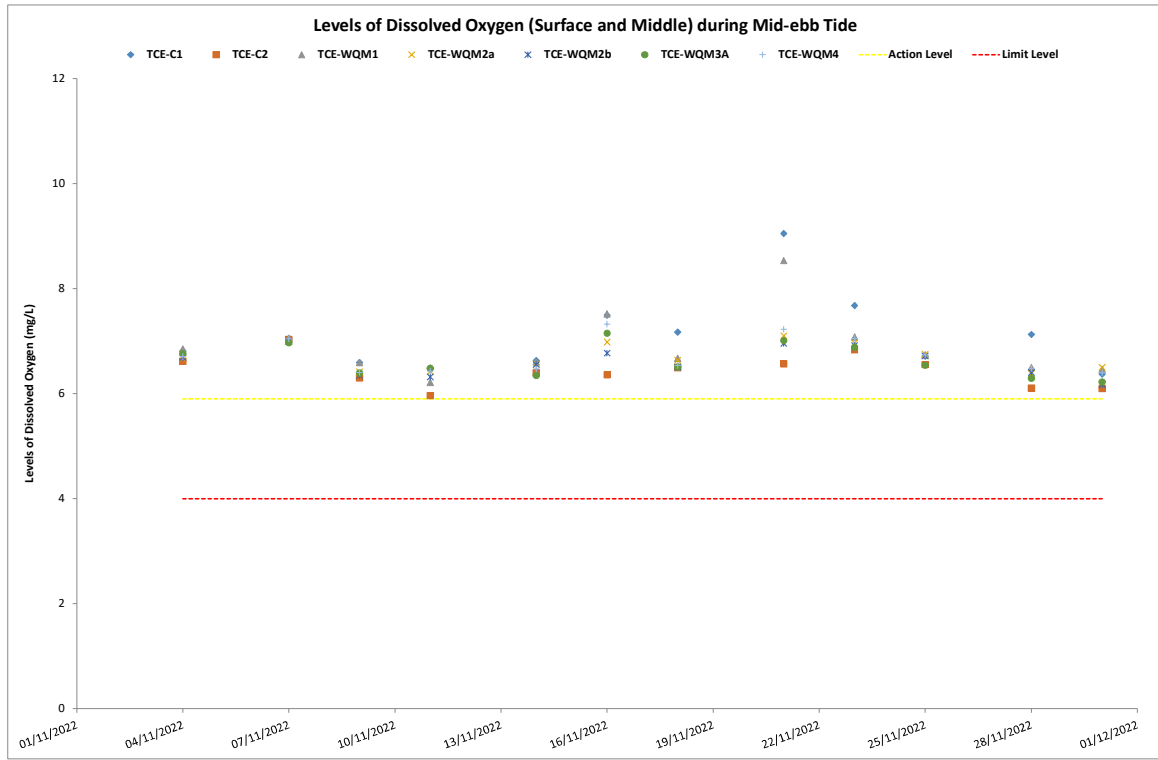


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2022

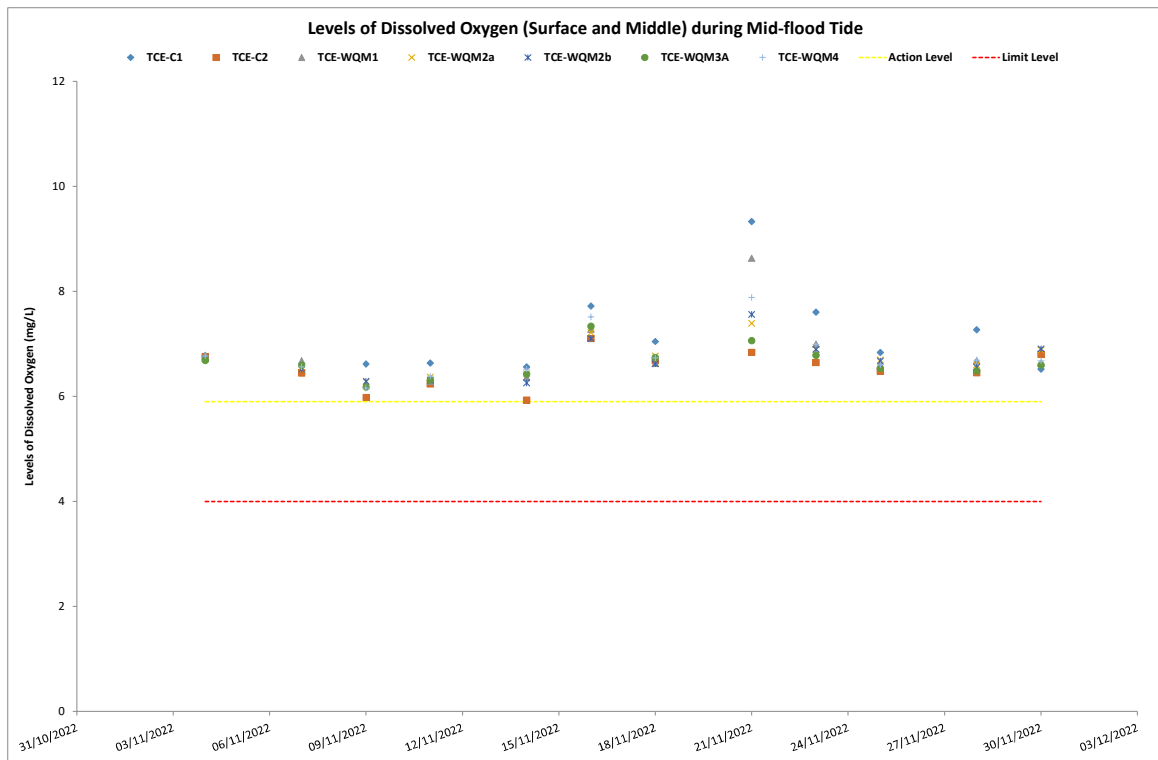


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2022

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

**Environmental  
 Resources  
 Management**



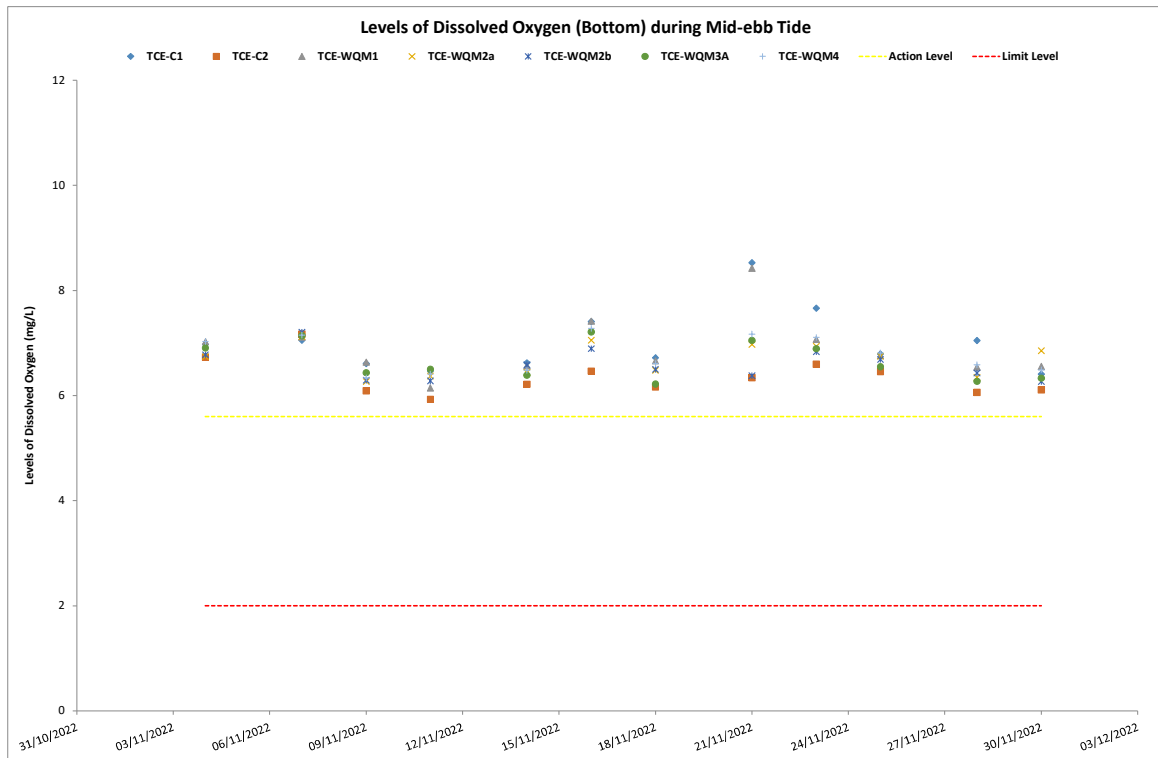


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2022

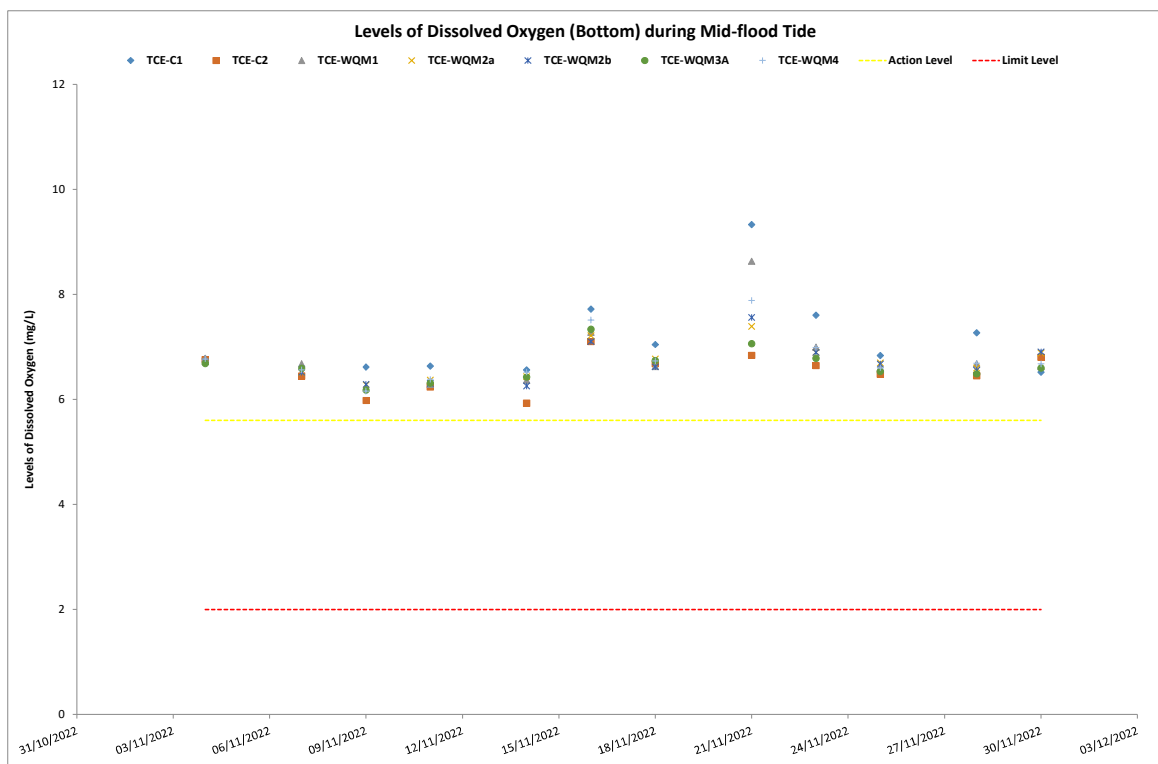


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2022

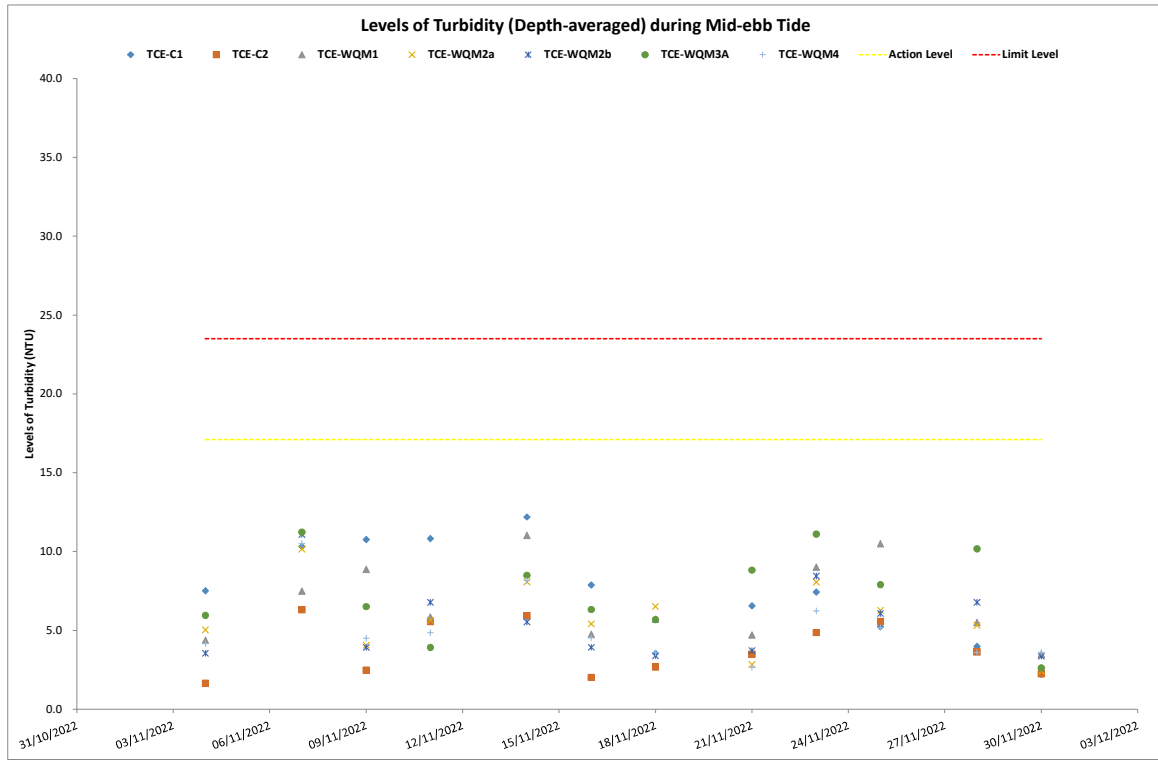


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2022

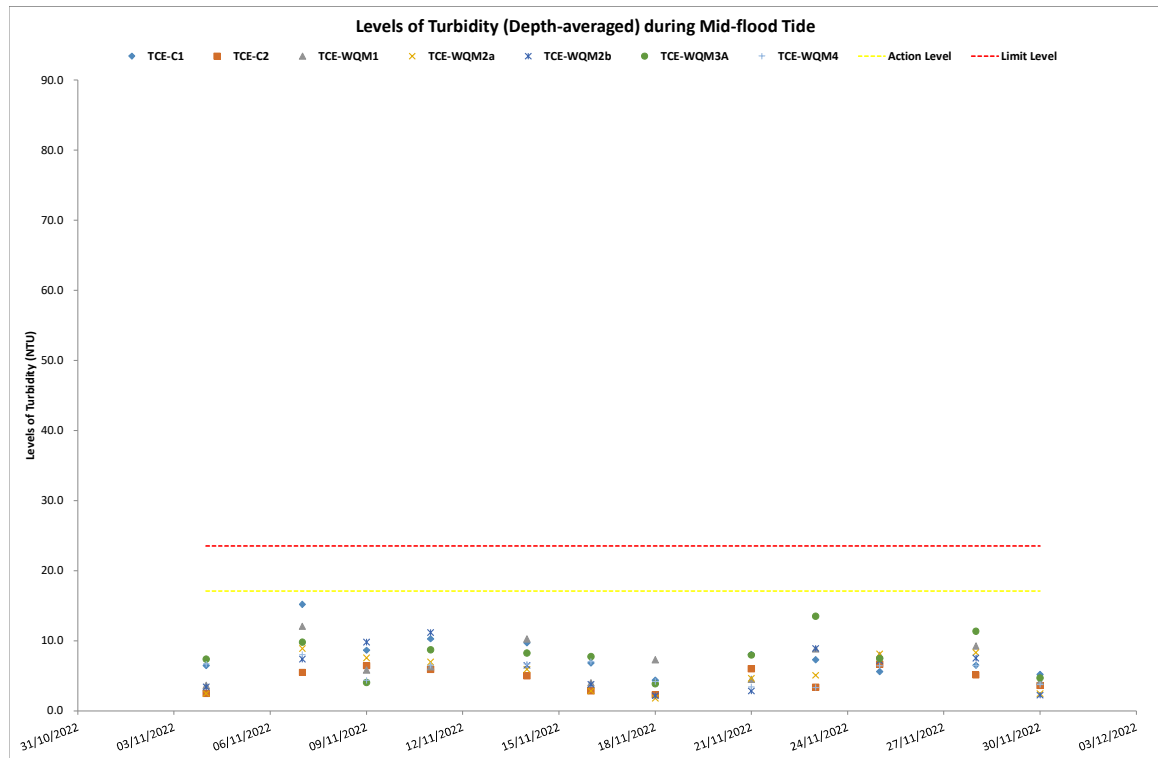


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2022

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

Date: November 2022

**Environmental  
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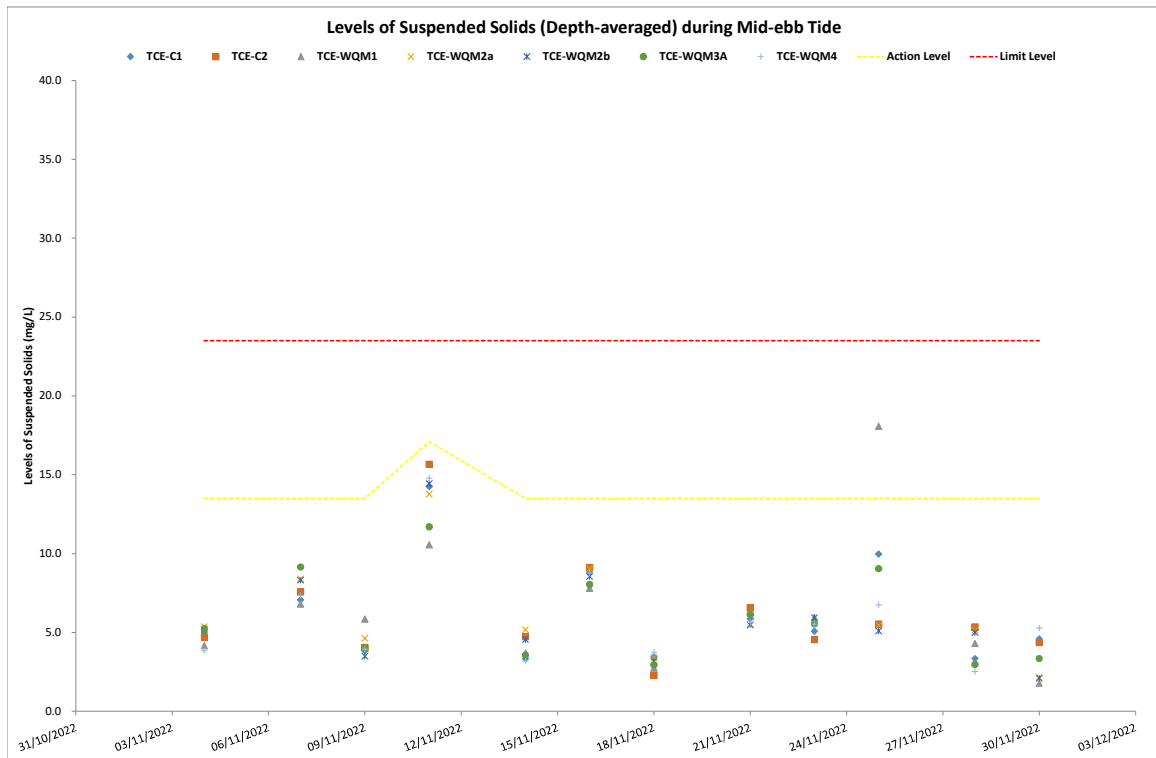


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 November 2022

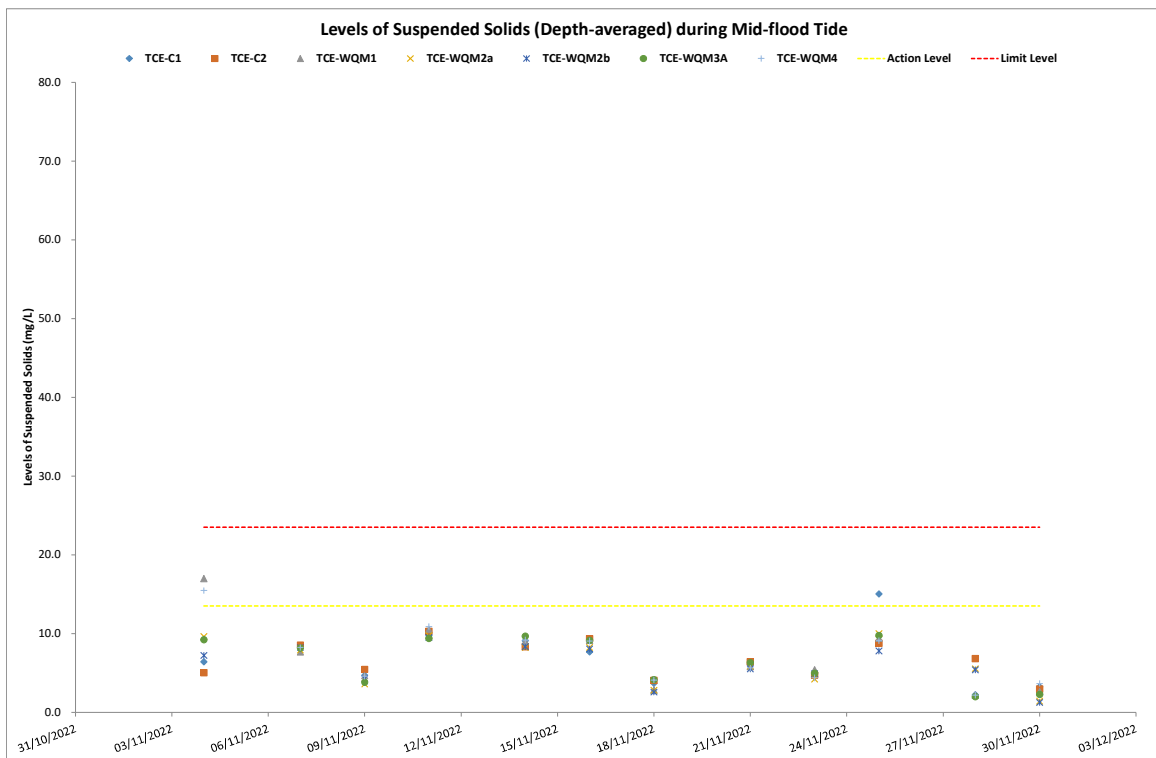


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 November 2022

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02\_Deliverable\10 Monthly EM&A Report\  
 Date: November 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)
2022-11-04	Mid-Ebb	TCE-C1	Misty	Moderate	11:30	8.2	Surface	1.0	1	22.4	8.3	32.9	6.8	94.7	7.0	4.3	6.8	7.5	5.0
									2	22.4	8.3	32.9	6.8	94.7	6.9	4.6			
							Middle	4.1	1	22.3	8.3	32.9	6.8	94.8	7.6	5.0			
							Bottom	7.2	1	22.2	8.3	33.0	6.8	94.9	7.5	4.8			
						2	22.2	8.3	33.0	7.1	98.7	8.1	5.4	7.0					
		Surface	1.0	1	22.8	8.1	32.4	6.6	92.3	1.1	4.0								
				2	22.8	8.1	32.4	6.6	92.4	1.1	4.1								
		Middle	5.4	1	22.8	8.2	32.4	6.6	93.0	1.5	4.4								
						2	22.8	8.2	32.4	6.7	93.2	1.4	4.7	6.6	1.6	4.7			
		Bottom	9.8	1	22.8	8.2	32.3	6.7	94.0	2.4	5.6								
				2	22.8	8.2	32.3	6.8	94.5	2.4	5.3								
		Surface	1.0	1	22.3	8.2	32.2	6.8	94.2	3.8	3.2								
					2	22.3	8.2	32.2	6.8	94.4	3.8	3.4	6.9	4.4	4.2				
	Middle	3.4	1	22.1	8.2	32.4	6.9	95.1	4.1	4.2									
			2	22.0	8.2	32.5	6.9	95.5	4.2	4.4									
	Bottom	5.8	1	21.8	8.2	32.7	7.0	96.4	5.2	5.0									
					2	21.7	8.2	32.7	7.1	97.0	5.3	4.8	7.0						
	Surface	1.0	1	22.8	8.2	32.6	6.7	93.3	4.0	4.3									
			2	22.8	8.2	32.6	6.7	93.3	4.0	4.7									
	Middle	3.5	1	22.8	8.2	32.6	6.7	93.9	5.0	5.2									
					2	22.8	8.2	32.7	6.7	94.1	5.1	5.6	6.7	5.0	5.4				
	Bottom	6.0	1	22.8	8.2	32.7	6.7	94.5	6.1	6.0									
			2	22.8	8.2	32.7	6.8	94.7	6.1	6.4									
	Surface	1.0	1	22.8	8.3	32.7	6.7	93.5	2.3	4.7									
				2	22.8	8.3	32.7	6.7	93.5	2.4	4.3	6.7	3.6	5.2					
Middle	4.9	1	22.8	8.3	32.7	6.7	94.1	3.7	5.1										
		2	22.8	8.3	32.7	6.7	94.2	3.6	5.4										
Bottom	8.8	1	22.7	8.3	32.8	6.8	94.7	4.6	5.8										
				2	22.7	8.3	32.8	6.8	95.1	4.7	6.1	6.8	6.0	5.2					
Surface	1.0	1	22.8	8.2	32.2	6.8	94.5	5.8	4.6										
		2	22.8	8.2	32.4	6.8	94.8	5.8	4.3										
Bottom	4.0	1	22.8	8.2	32.5	6.9	96.2	6.1	6.2										
				2	22.8	8.2	32.5	6.9	97.3	6.2	5.8	6.9	4.2	3.9					
Surface	1.0	1	22.4	8.2	32.1	6.7	93.0	3.7	3.5										
		2	22.3	8.2	32.2	6.7	93.0	3.6	3.0										
Bottom	4.0	1	22.1	8.2	32.7	6.9	95.2	4.7	4.7										
				2	22.0	8.2	32.7	7.2	99.2	4.7	4.2	7.0							
Surface	1.0	1	22.4	8.3	32.9	6.8	94.3	5.4	5.3										
		2	22.4	8.3	32.9	6.8	94.3	5.5	4.9										
Middle	3.8	1	22.4	8.3	32.9	6.8	94.4	7.0	6.1										
				2	22.4	8.3	32.9	6.8	94.5	6.9	5.7	6.8	6.5	6.4					
Bottom	6.6	1	22.4	8.3	32.9	6.8	94.5	7.0	8.0										
		2	22.4	8.3	32.9	6.8	94.6	7.1	8.6										
Surface	1.0	1	22.9	8.3	32.8	6.7	94.4	1.6	5.7										
				2	22.9	8.3	32.8	6.7	94.8	1.5	6.0	6.8	2.5	5.0					
Middle	4.6	1	22.9	8.3	32.8	6.8	95.3	2.5	4.7										
		2	22.9	8.3	32.8	6.8	95.5	2.6	5.1										
Bottom	8.2	1	22.9	8.3	32.8	6.9	96.8	3.3	4.5										
				2	22.9	8.3	32.8	6.9	97.5	3.4	4.2	6.9	3.6	17.0					
Surface	1.0	1	22.5	8.3	32.0	6.8	94.0	3.0	15.6										
		2	22.5	8.3	32.0	6.8	94.0	2.9	16.0										
Middle	3.5	1	22.4	8.3	32.0	6.8	94.1	3.1	16.9										
				2	22.4	8.3	32.1	6.8	94.2	3.1	16.7	6.8	2.5	9.6					
Bottom	6.0	1	22.3	8.3	32.2	6.8	94.5	4.8	18.3										
		2	22.3	8.3	32.2	6.9	95.1	5.0	18.5										
Surface	1.0	1	22.8	8.2	32.5	6.7	93.6	1.6	7.0										
				2	22.8	8.2	32.5	6.7	93.6	1.6	6.7	6.7	3.4	7.2					
Middle	3.7	1	22.8	8.2	32.8	6.7	94.6	2.8	14.4										
		2	22.8	8.2	32.8	6.8	94.9	2.8	14.8										
Bottom	6.4	1	22.8	8.2	32.8	6.8	95.8	3.1	7.6										
				2	22.8	8.3	32.8	6.9	96.2	3.1	7.3	6.8	7.4	9.2					
Surface	1.0	1	22.8	8.2	32.6	6.7	93.4	2.5	9.0										
		2	22.7	8.2	32.6	6.7	93.6	2.4	8.6										
Middle	4.0	1	22.5	8.2	32.8	6.7	94.1	3.7	6.7										
				2	22.4	8.2	32.9	6.8	94.4	3.7	7.1	7.1	6.7	15.5					
Bottom	7.0	1	22.1	8.2	33.1	6.9	96.3	4.1	6.1										
		2	22.0	8.2	33.2	7.2	99.6	4.1	5.8										
Surface	1.0	1	22.9	8.2	32.3	6.7	93.7	7.9	6.0										
				2	22.9	8.2	32.4	6.7	93.9	7.9	5.5	6.7	7.4	9.2					
Bottom	4.2	1	22.9	8.2	32.5	6.8	95.5	6.8	12.9										
		2	22.9	8.2	32.6	6.9	96.6	6.9	12.5										
Surface	1.0	1	22.7	8.2	32.0	6.8	94.2	6.3	17.0										
				2	22.7	8.2	32.0	6.8	94.4	6.4	16.8	6.8	6.7	15.5					
Bottom	2.8	1	22.7	8.2	32.0	6.9	95.8	7.0	14.2										
		2	22.7	8.2	32.0	6.9	95.8	7.0	13.9										
Surface	1.0	1	22.7	8.2	32.0	6.9	95.8	7.0	13.9										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
2022-11-07	Mid-Ebb	TCE-C1	Fine	Moderate	10:32	8.6	Surface	1.0	1	22.0	8.2	31.8	7.0	96.7	9.3	6.5	7.0	10.3	7.1	
									2	22.0	8.2	31.8	7.0	96.7	9.3	6.2				
							Middle	4.3	1	22.0	8.2	31.8	7.1	96.8	10.8	6.8				
							Bottom	7.6	1	22.0	8.2	31.8	7.1	96.9	10.7	7.3				
										2	22.0	8.2	31.8	7.1	97.0	10.9	8.0	7.1		
										2	22.5	8.2	31.6	7.0	96.8	5.4	7.3			
		Middle	6.6	1	22.5	8.2	31.6	7.1	97.2	5.4	7.0									
		Bottom	12.2	1	22.5	8.2	31.6	7.1	97.9	6.4	7.5									
										2	22.5	8.2	31.6	7.2	99.2	7.2	8.1	7.2		
										2	22.5	8.2	31.6	7.2	99.9	7.2	7.9			
		Middle	4.0	1	22.0	8.2	31.0	7.1	96.5	6.9	6.7									
		Bottom	7.0	1	21.9	8.2	31.1	7.1	96.9	8.7	7.1									
										2	21.9	8.2	31.1	7.1	97.5	8.8	7.1	7.1		
										2	22.4	8.2	31.3	7.0	96.0	9.2	7.3			
		Middle	3.8	1	22.4	8.2	31.5	7.0	97.0	10.5	8.3									
		Bottom	6.6	1	22.4	8.2	31.5	7.0	97.3	10.5	7.9									
										2	22.4	8.2	31.5	7.1	98.2	10.7	10.1	7.1		
										2	22.4	8.2	31.5	7.1	98.6	10.7	9.8			
		Middle	5.2	1	22.1	8.2	31.6	7.0	96.5	11.3	8.1									
		Bottom	9.4	1	21.7	8.2	31.9	7.2	98.7	11.8	8.9									
										2	21.6	8.2	31.9	7.2	98.4	11.8	9.2	7.2		
										2	22.5	8.1	31.1	7.0	96.1	11.8	9.9			
		Middle								2	22.5	8.1	31.2	7.0	96.3	11.7	9.5			
		Bottom	3.7	1	22.5	8.1	31.3	7.1	97.9	10.7	8.8									
								2	22.5	8.2	31.4	7.2	99.0	10.7	8.4	7.1				
								2	22.3	8.1	30.8	7.0	96.6	10.1	8.2					
Middle								2	22.3	8.1	30.8	7.1	96.8	10.2	8.4					
Bottom	2.7	1	22.3	8.2	30.8	7.2	98.2	10.9	6.6											
								2	22.3	8.2	30.8	7.2	98.2	10.9	6.2	7.2				
								2	22.3	8.2	30.8	7.2	98.2	10.9	6.6					
Middle	4.2	1	21.7	8.3	31.7	6.6	90.6	15.2	8.5											
Bottom	7.4	1	21.6	8.3	31.8	6.9	94.8	15.7	8.9											
								2	21.6	8.3	31.8	6.9	94.5	15.7	9.3	6.9				
								2	22.2	8.1	31.2	6.4	88.2	4.9	9.7					
Middle	6.9	1	22.2	8.1	31.2	6.5	88.8	5.3	8.8											
Bottom	12.8	1	22.2	8.1	31.2	6.5	89.0	5.3	8.4											
								2	22.2	8.1	31.1	6.5	89.8	6.3	7.4	6.6				
								2	22.2	8.1	31.1	6.6	90.3	6.3	7.0					
Middle	3.9	1	21.5	8.2	31.2	6.7	90.9	11.8	7.6											
Bottom	6.8	1	21.2	8.2	31.5	6.8	92.2	12.9	8.1											
								2	21.1	8.2	31.5	6.9	92.8	13.0	8.2	6.9				
								2	22.2	8.2	31.4	6.5	89.1	7.8	7.3					
Middle	3.6	1	22.2	8.2	31.4	6.5	89.7	8.9	8.1											
Bottom	6.2	1	22.2	8.2	31.4	6.5	89.9	8.9	7.8											
								2	22.2	8.2	31.4	6.6	90.3	9.9	8.5	6.6				
								2	22.2	8.2	31.4	6.6	90.5	9.9	8.4					
Middle	5.6	1	22.2	8.2	31.5	6.5	89.9	7.5	7.8											
Bottom	10.2	1	22.2	8.2	31.5	6.5	90.0	7.5	8.2											
								2	22.1	8.2	31.6	6.6	90.9	8.6	7.1	6.6				
								2	22.2	8.2	31.0	6.6	90.3	9.6	9.0					
Middle								2	22.2	8.2	31.2	6.6	90.6	9.6	8.6					
Bottom	3.8	1	22.2	8.2	31.3	6.7	92.0	10.0	7.7											
								2	22.2	8.2	31.3	6.8	93.1	10.0	7.4	6.7				
								2	21.7	8.2	30.9	6.6	88.8	7.5	7.0					
Middle								2	21.7	8.2	31.0	6.6	88.8	7.5	7.3					
Bottom	3.2	1	21.5	8.2	31.4	7.0	95.4	8.5	9.4											
								2	21.4	8.2	31.5	7.0	95.0	8.5	9.2	7.0				

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)	
2022-11-09	Mid-Ebb	TCE-C1	Sunny	Rough	11:43	8.3	Surface	1.0	1	22.5	8.3	35.1	6.6	93.3	9.0	3.1	6.6	10.8	3.9	
									2	22.5	8.3	35.1	6.6	93.2	9.0	2.7				
							Middle	4.2	1	22.5	8.3	35.1	6.6	93.2	10.7	3.8				
							Bottom	7.3	1	22.5	8.3	35.1	6.6	93.2	10.8	3.5				
						2	22.5	8.4	35.1	6.6	93.4	12.6	4.8	6.6						
				2	22.5	8.4	35.1	6.6	93.5	12.6	5.2									
		Surface	1.0	1	23.3	8.2	35.2	6.3	88.1	1.9	2.9									
				2	23.4	8.2	35.2	6.3	88.1	1.8	3.3									
				Middle	7.3	1	22.9	8.3	35.2	6.3	86.0	2.5	3.8	6.3	2.5	4.1				
				2	22.9	8.3	35.2	6.3	86.1	2.5	4.1									
		Bottom	13.6	1	22.9	8.3	35.2	6.1	83.8	3.1	5.3									
				2	22.9	8.3	35.2	6.1	83.8	3.1	4.9									
			TCE-WQM1	Sunny	Moderate	12:37	9.6	Surface	1.0	1	22.7	8.3	35.2	6.6	91.2	7.9	6.7	6.6	8.9	5.9
			2					22.7	8.3	35.2	6.6	91.3	7.9	7.0						
	Middle	4.8	1					22.6	8.4	35.2	6.6	91.8	9.0	5.6						
	Bottom	8.6	1					22.6	8.4	35.2	6.6	92.3	9.8	4.8						
					2	22.6	8.4	35.2	6.6	92.3	9.8	5.0	6.6							
			Surface	1.0	1	23.4	8.2	35.1	6.4	91.7	3.2	3.6				6.4	4.0	4.6		
					2	23.4	8.2	35.1	6.4	91.7	3.2	4.0								
	Middle	3.8	1	23.2	8.2	35.1	6.4	90.9	3.4	4.3										
	Bottom	6.6	1	23.2	8.2	35.1	6.4	90.9	3.4	4.5										
					2	23.2	8.2	35.1	6.4	90.9	3.4	4.5	6.3							
			Surface	1.0	1	22.7	8.2	35.1	6.3	87.8	5.6	5.5				6.3	4.0	4.6		
					2	22.7	8.2	35.1	6.3	87.8	5.6	5.9								
Middle	5.4	1	22.8	8.2	35.1	6.2	88.7	3.9	3.7											
Bottom	9.8	1	22.6	8.2	35.1	6.3	88.8	4.9	3.1											
				2	22.6	8.2	35.1	6.3	88.8	4.9	2.7	6.3	3.9	3.5						
		Surface	1.0	1	23.0	8.2	35.0	6.4	89.2	4.8	4.7				6.4	6.5	4.0			
				2	23.0	8.2	35.0	6.4	89.2	4.9	4.2									
Middle	3.9	1	23.0	8.3	35.0	6.4	90.5	8.1	3.4											
Bottom	4.1	1	23.0	8.3	35.0	6.4	90.6	8.2	3.7											
				2	23.0	8.3	35.0	6.4	90.6	8.2	3.7	6.4	4.5	4.0						
		Surface	1.0	1	22.9	8.2	35.0	6.4	89.1	3.9	4.3				6.4	4.5	4.0			
				2	22.9	8.2	35.0	6.4	89.1	4.0	4.7									
Middle	3.4	1	22.8	8.2	35.0	6.3	88.5	5.0	3.6											
Bottom	3.4	1	22.8	8.2	35.0	6.3	88.5	5.1	3.2											
				2	22.8	8.2	35.0	6.3	88.5	5.1	3.2	6.3	4.5	4.0						
		Surface	1.0	1	22.6	8.2	35.2	6.6	94.1	9.2	6.3				6.6	8.6	4.7			
				2	22.6	8.2	35.2	6.6	94.1	9.3	5.8									
Middle	3.9	1	22.5	8.2	35.2	6.6	93.2	7.7	4.6											
Bottom	6.8	1	22.4	8.2	35.2	6.6	92.9	9.0	3.3											
				2	22.4	8.2	35.2	6.6	92.9	9.0	3.8	6.6								
		Surface	1.0	1	22.9	8.1	35.3	6.0	85.2	5.9	6.7				6.0	6.4	5.5			
				2	22.9	8.1	35.3	6.0	85.2	6.0	6.4									
Middle	6.7	1	22.9	8.0	35.3	6.0	85.4	6.3	5.8											
Bottom	12.4	1	22.9	8.0	35.3	6.0	85.3	6.3	5.2											
				2	22.9	8.0	35.3	6.0	85.6	7.2	4.1	6.0								
		Surface	1.0	1	22.6	8.2	35.0	6.2	88.0	5.4	5.7				6.2	5.8	4.7			
				2	22.6	8.2	35.0	6.2	88.0	5.5	5.4									
Middle	4.3	1	22.5	8.2	35.0	6.2	87.7	5.7	4.6											
Bottom	7.6	1	22.5	8.2	35.0	6.2	87.8	5.8	5.0											
				2	22.5	8.2	35.0	6.2	87.7	6.3	3.7	6.2	7.6	3.6						
		Surface	1.0	1	22.8	8.2	35.1	6.3	89.6	5.3	4.1				6.3	7.6	3.6			
				2	22.8	8.2	35.1	6.3	89.6	5.3	4.5									
Middle	3.9	1	22.6	8.2	35.1	6.3	88.7	8.0	3.8											
Bottom	6.7	1	22.6	8.2	35.1	6.3	88.7	8.0	3.5											
				2	22.6	8.2	35.0	6.3	88.8	9.4	3.0	6.3								
		Surface	1.0	1	22.6	8.2	35.0	6.3	88.8	9.4	2.8				6.3	9.8	4.3			
				2	22.6	8.2	35.0	6.3	89.0	8.5	3.2									
Middle	4.6	1	22.6	8.2	35.0	6.3	89.2	9.4	4.0											
Bottom	8.1	1	22.6	8.2	35.0	6.3	89.2	9.5	4.5											
				2	22.6	8.2	35.0	6.3	89.1	11.5	5.4	6.3	4.0	3.8						
		Surface	1.0	1	22.7	8.2	35.0	6.2	87.7	3.5	3.7				6.2	4.0	3.8			
				2	22.7	8.2	35.0	6.2	87.7	3.5	3.3									
Middle	3.1	1	22.7	8.2	35.1	6.2	88.2	4.6	4.0											
Bottom	3.1	1	22.7	8.2	35.1	6.2	88.2	4.6	4.3											
				2	22.7	8.2	35.1	6.2	88.2	4.6	4.3	6.2	4.4	4.6						
		Surface	1.0	1	22.7	8.2	35.0	6.2	87.5	4.4	4.0				6.2	4.4	4.6			
				2	22.7	8.2	35.0	6.2	87.5	4.4	3.8									
Middle	2.5	1	22.7	8.2	35.1	6.2	87.9	4.3	5.1											
Bottom	2.5	1	22.7	8.2	35.1	6.2	87.9	4.3	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)
2022-11-11	Mid-Ebb	TCE-C1	Sunny	Moderate	12:49	8.3	Surface	1.0	1	23.1	8.2	33.4	6.5	92.7	7.9	15.0	6.5	10.8	14.3
									2	23.1	8.2	33.4	6.5	92.7	7.9	14.7			
							Middle	4.2	1	23.0	8.2	34.0	6.5	91.6	6.2	14.4			
									2	23.0	8.2	34.0	6.5	91.6	6.3	14.3			
				1	23.0	8.2	33.8	6.5	91.5	18.3	13.8								
				2	23.0	8.2	33.8	6.5	91.6	18.4	13.3								
		TCE-C2	Sunny	Moderate	14:57	13.2	Surface	1.0	1	23.2	8.2	35.0	6.0	85.9	3.8	14.4	6.0	5.6	15.7
									2	23.2	8.2	35.0	6.0	85.9	3.8	14.7			
							Middle	6.6	1	23.1	8.2	35.0	5.9	84.9	5.9	15.2			
									2	23.1	8.2	35.0	5.9	85.0	5.9	15.5			
				1	23.1	8.2	35.0	5.9	84.7	7.0	16.9								
				2	23.1	8.2	35.0	5.9	84.7	6.9	17.3								
	TCE-WQM1	Sunny	Moderate	13:34	9.2	Surface	1.0	1	23.3	8.2	34.7	6.2	89.1	4.9	8.6	6.2	5.9	10.6	
								2	23.3	8.2	34.7	6.2	89.0	5.0	9.0				
						Middle	4.6	1	23.3	8.2	34.8	6.2	88.3	5.5	10.2				
								2	23.3	8.2	34.8	6.2	88.3	5.6	9.8				
			1	23.3	8.2	34.8	6.1	87.9	7.0	12.7									
			2	23.3	8.2	34.8	6.2	87.9	7.1	13.1									
	TCE-WQM2a	Sunny	Calm	14:13	7.7	Surface	1.0	1	23.3	8.2	34.3	6.4	91.9	4.3	13.3	6.4	5.6	13.8	
								2	23.3	8.2	34.3	6.4	91.9	4.3	13.0				
						Middle	3.9	1	23.2	8.2	34.3	6.4	91.4	5.0	13.4				
								2	23.2	8.2	34.3	6.4	91.4	4.9	13.8				
			1	23.1	8.2	34.4	6.4	90.8	7.6	14.3									
			2	23.1	8.2	34.4	6.4	90.8	7.7	14.8									
TCE-WQM2b	Sunny	Moderate	14:31	11.1	Surface	1.0	1	23.2	8.2	34.3	6.4	90.6	5.2	13.4	6.3	6.8	14.4		
							2	23.2	8.2	34.3	6.4	90.6	5.1	13.9					
					Middle	5.6	1	23.1	8.2	34.3	6.3	89.4	7.6	14.2					
							2	23.1	8.2	34.3	6.3	89.4	7.6	14.6					
		1	23.1	8.2	34.4	6.3	89.5	7.6	15.0										
		2	23.1	8.2	34.4	6.3	89.5	7.6	15.5										
TCE-WQM3A	Sunny	Calm	13:58	4.9	Surface	1.0	1	23.3	8.2	34.3	6.5	92.5	3.6	9.9	6.5	3.9	11.7		
							2	23.3	8.2	34.3	6.5	92.6	3.6	9.2					
					Bottom	3.9	1	23.2	8.2	34.3	6.5	92.7	4.2	13.6					
							2	23.2	8.2	34.3	6.5	92.7	4.2	14.1					
TCE-WQM4	Sunny	Calm	13:46	4.2	Surface	1.0	1	23.3	8.2	34.5	6.4	92.1	4.6	14.6	6.4	4.8	14.8		
							2	23.3	8.2	34.5	6.4	92.0	4.6	14.3					
					Bottom	3.2	1	23.2	8.2	34.6	6.4	91.6	5.0	15.0					
							2	23.2	8.2	34.6	6.4	91.6	5.1	15.2					
2022-11-11	Mid-Flood	TCE-C1	Sunny	Rough	10:25	7.9	Surface	1.0	1	23.1	8.2	33.4	6.7	94.8	8.1	9.3	6.6	10.3	9.8
									2	23.1	8.2	33.4	6.7	94.7	8.1	9.5			
							Middle	4.0	1	23.0	8.2	33.9	6.6	93.2	9.1	9.8			
									2	23.0	8.2	33.9	6.6	93.2	9.2	9.7			
				1	23.0	8.2	34.0	6.6	93.2	13.6	10.2								
				2	23.0	8.2	34.0	6.6	93.2	13.6	10.0								
		TCE-C2	Sunny	Moderate	8:23	12.9	Surface	1.0	1	23.0	8.1	34.6	6.3	89.3	5.2	9.8	6.2	5.9	10.3
									2	23.0	8.1	34.6	6.3	89.3	5.3	9.3			
							Middle	6.5	1	23.0	8.1	34.7	6.2	88.5	5.9	10.0			
									2	23.0	8.1	34.7	6.2	88.5	6.0	10.3			
				1	23.0	8.1	34.8	6.2	88.0	6.6	11.4								
				2	23.0	8.1	34.8	6.2	88.0	6.6	11.0								
		TCE-WQM1	Sunny	Calm	9:33	8.9	Surface	1.0	1	23.3	8.2	34.8	6.3	90.0	5.8	9.9	6.3	6.3	10.5
									2	23.3	8.2	34.8	6.3	90.0	5.8	9.6			
							Middle	4.5	1	23.3	8.2	34.8	6.3	89.9	5.8	10.2			
									2	23.3	8.2	34.8	6.3	89.9	5.8	10.4			
				1	23.2	8.2	34.8	6.3	89.3	7.2	11.8								
				2	23.2	8.2	34.8	6.3	89.4	7.3	11.3								
		TCE-WQM2a	Sunny	Moderate	8:59	6.8	Surface	1.0	1	23.1	8.2	34.2	6.4	90.8	5.8	8.8	6.4	7.0	9.8
									2	23.1	8.2	34.2	6.4	90.8	5.8	9.0			
							Middle	3.4	1	23.1	8.2	34.4	6.3	90.2	6.7	9.9			
									2	23.1	8.2	34.4	6.3	90.2	6.8	10.1			
				1	23.1	8.2	34.4	6.3	90.2	8.4	10.3								
				2	23.1	8.2	34.4	6.3	90.3	8.5	10.4								
TCE-WQM2b	Sunny	Moderate	8:46	9.3	Surface	1.0	1	23.1	8.2	34.2	6.3	89.8	9.6	9.0	6.3	11.2	9.5		
							2	23.1	8.2	34.2	6.3	89.8	9.6	8.6					
					Middle	4.7	1	23.1	8.2	34.3	6.3	89.5	11.5	9.4					
							2	23.1	8.2	34.3	6.3	89.5	11.4	9.8					
		1	23.1	8.2	34.3	6.3	89.4	12.5	10.2										
		2	23.1	8.2	34.3	6.3	89.4	12.5	10.0										
TCE-WQM3A	Sunny	Calm	9:11	4.1	Surface	1.0	1	23.1	8.2	34.6	6.3	90.0	8.3	9.0	6.3	8.7	9.4		
							2	23.1	8.2	34.6	6.3	90.0	8.3	9.2					
					Bottom	3.1	1	23.1	8.2	34.7	6.3	90.1	9.1	9.5					
							2	23.1	8.2	34.7	6.3	90.1	9.1	9.9					
TCE-WQM4	Sunny	Calm	9:20	3.8	Surface	1.0	1	23.1	8.2	34.6	6.4	90.9	6.2	12.0	6.4	6.5	10.9		
							2	23.1	8.2	34.6	6.4	90.9	6.2	11.5					
					Bottom	2.8	1	23.1	8.2	34.6	6.3	89.2	6.8	9.9					
							2	23.1	8.2	34.6	6.3	89.4	6.9	10.2					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-11-14	Mid-Ebb	TCE-C1	Cloudy	Moderate	5:36	7.3	Surface	1.0	1	22.4	8.2	30.4	6.6	90.9	7.4	4.3	6.6	12.2	3.3
									2	22.4	8.2	30.4	6.6	90.9	7.4	4.0			
							Middle	3.7	1	22.3	8.2	30.7	6.6	90.5	13.3	3.6			
							Bottom	6.3	1	22.3	8.2	30.7	6.6	90.5	16.1	2.6			
				2	22.3	8.2	30.7	6.6	90.6	15.9	2.3								
		TCE-C2	Cloudy	Moderate	3:48	14.4	Surface	1.0	1	22.4	8.1	30.3	6.5	88.5	3.1	5.3	6.4	5.9	4.7
									2	22.4	8.1	30.3	6.5	88.4	3.1	5.4			
							Middle	7.2	1	22.4	8.1	30.4	6.3	86.5	3.6	4.5			
							Bottom	13.4	1	22.4	8.1	30.4	6.3	86.4	3.6	4.8			
				2	22.4	8.1	30.8	6.2	85.0	11.1	4.3								
		TCE-WQM1	Cloudy	Calm	4:57	8.1	Surface	1.0	1	22.8	8.1	31.0	6.6	91.7	9.1	4.4	6.6	11.0	3.7
									2	22.8	8.1	31.0	6.6	91.7	9.3	4.0			
	Middle						4.1	1	22.8	8.1	31.0	6.6	90.9	9.9	3.8				
	Bottom						7.1	1	22.7	8.1	31.1	6.6	90.8	10.0	3.6				
			2	22.7	8.1	31.1	6.6	90.6	14.0	3.3									
	TCE-WQM2a	Cloudy	Moderate	4:23	9.4	Surface	1.0	1	22.5	8.1	30.3	6.6	90.6	3.3	4.6	6.6	8.1	5.2	
								2	22.5	8.1	30.3	6.6	90.6	3.3	4.8				
						Middle	4.7	1	22.5	8.1	30.6	6.5	89.4	5.8	5.3				
						Bottom	8.4	1	22.5	8.1	30.6	6.5	89.4	5.7	5.0				
			2	22.4	8.1	30.8	6.4	88.3	15.3	5.8									
	TCE-WQM2b	Cloudy	Moderate	4:10	10.2	Surface	1.0	1	22.5	8.1	30.2	6.6	89.6	4.1	5.1	6.6	5.5	4.6	
								2	22.5	8.1	30.2	6.6	89.6	4.2	4.8				
						Middle	5.1	1	22.5	8.1	30.1	6.6	89.6	4.6	4.5				
						Bottom	9.2	1	22.5	8.1	30.1	6.6	89.7	4.7	4.6				
		2	22.5	8.1	30.2	6.6	90.0	7.7	4.3										
TCE-WQM3A	Cloudy	Calm	4:36	4.1	Surface	1.0	1	22.8	8.1	30.9	6.3	87.6	7.2	4.2	6.3	8.5	3.6		
							2	22.8	8.1	30.9	6.4	87.6	7.2	3.9					
					Bottom	3.1	1	22.8	8.1	30.9	6.4	88.1	9.7	3.2					
							2	22.8	8.1	30.9	6.4	88.2	9.9	3.0					
TCE-WQM4	Cloudy	Calm	4:45	3.3	Surface	1.0	1	22.4	8.1	30.8	6.5	88.7	7.7	3.4	6.5	8.2	3.2		
							2	22.4	8.1	30.8	6.5	88.7	7.7	3.6					
					Bottom	2.3	1	22.4	8.1	30.8	6.5	88.8	8.6	3.1					
							2	22.4	8.1	30.8	6.5	88.9	8.6	2.7					
2022-11-14	Mid-Flood	TCE-C1	Fine	Moderate	14:34	7.6	Surface	1.0	1	23.0	8.2	30.4	6.6	91.3	7.0	10.1	6.6	9.7	9.1
									2	23.0	8.2	30.4	6.6	91.3	7.0	9.7			
							Middle	3.8	1	22.9	8.2	30.6	6.6	90.8	8.2	9.0			
							Bottom	6.6	1	22.9	8.2	30.6	6.6	90.9	8.1	9.4			
									2	22.8	8.2	30.7	6.6	90.8	13.9	8.0			
									2	22.8	8.2	30.7	6.6	90.8	14.0	8.4			
		TCE-C2	Cloudy	Moderate	16:22	15.4	Surface	1.0	1	23.1	8.2	31.4	6.0	83.3	4.0	7.5	5.9	5.0	8.4
									2	23.1	8.2	31.4	6.0	83.3	4.0	7.8			
							Middle	7.7	1	23.0	8.2	31.5	5.9	82.5	5.4	8.1			
							Bottom	14.4	1	23.0	8.2	31.5	5.9	82.5	5.3	8.5			
				2	23.0	8.2	31.5	5.9	83.1	5.8	8.9								
		TCE-WQM1	Cloudy	Calm	15:09	7.8	Surface	1.0	1	23.3	8.2	31.0	6.4	89.1	8.4	8.6	6.4	10.3	9.0
									2	23.3	8.2	31.0	6.4	89.1	8.4	8.2			
							Middle	3.9	1	23.2	8.2	31.1	6.4	89.2	10.8	9.2			
							Bottom	6.8	1	23.2	8.2	31.1	6.4	89.2	10.9	9.0			
				2	23.3	8.2	31.2	6.5	90.5	11.6	9.6								
		TCE-WQM2a	Cloudy	Moderate	15:43	8.5	Surface	1.0	1	23.2	8.1	30.5	6.4	89.9	5.5	7.5	6.4	5.9	8.3
									2	23.2	8.1	30.5	6.4	89.9	5.5	7.8			
							Middle	4.3	1	23.2	8.1	30.5	6.4	89.8	5.6	8.5			
							Bottom	7.5	1	23.2	8.1	30.5	6.4	89.8	5.7	8.0			
				2	23.2	8.1	30.5	6.5	90.0	6.8	9.1								
		TCE-WQM2b	Cloudy	Moderate	15:56	11.0	Surface	1.0	1	23.2	8.1	30.7	6.3	87.5	5.4	7.6	6.3	6.5	8.3
									2	23.2	8.1	30.7	6.3	87.5	5.4	7.8			
							Middle	5.5	1	23.1	8.1	30.7	6.2	87.1	6.0	8.2			
Bottom	10.0						1	23.1	8.1	30.7	6.2	87.1	6.1	8.4					
		2	23.1	8.1	30.7	6.2	86.5	8.0	9.1										
TCE-WQM3A	Cloudy	Calm	15:33	4.3	Surface	1.0	1	23.4	8.2	30.7	6.4	90.2	6.5	9.4	6.4	8.2	9.7		
							2	23.4	8.2	30.7	6.4	90.0	6.5	9.0					
					Bottom	3.3	1	23.3	8.1	30.9	6.3	88.2	10.0	10.3					
							2	23.3	8.1	30.9	6.3	88.2	10.0	10.0					
TCE-WQM4	Cloudy	Calm	15:21	3.3	Surface	1.0	1	23.2	8.2	30.7	6.5	91.0	5.8	9.7	6.5	6.7	9.2		
							2	23.2	8.2	30.7	6.5	91.0	5.8	10.0					
					Bottom	2.3	1	23.1	8.2	30.7	6.6	91.5	7.6	8.7					
							2	23.1	8.2	30.7	6.6	91.7	7.6	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)
2022-11-16	Mid-Ebb	TCE-C1	Misty	Moderate	7:12	8.0	Surface	1.0	1	23.4	8.3	32.9	7.5	106.9	7.4	8.2	7.5	7.9	8.8
								2	23.4	8.3	32.9	7.5	106.6	7.3	8.4				
							Middle	4.0	1	23.4	8.3	32.9	7.5	106.0	7.9	8.6			
							2	23.4	8.3	32.9	7.5	105.8	7.9	8.8					
			7.0	1	23.4	8.3	32.9	7.4	105.2	8.4	9.2	7.4							
			2	23.4	8.3	32.9	7.4	105.0	8.4	9.6									
		Surface	1.0	1	23.7	8.1	32.3	6.4	90.3	1.5	8.2				6.4	2.0	9.1		
			2	23.7	8.1	32.3	6.4	90.3	1.4	8.6									
		Middle	6.4	1	23.7	8.1	32.3	6.4	90.7	1.8	9.0								
		2	23.7	8.1	32.3	6.4	90.8	1.8	8.9										
			11.8	1	23.7	8.1	32.2	6.5	91.9	2.8	9.8	6.5							
			2	23.7	8.1	32.2	6.5	92.1	2.8	10.2									
	Surface	1.0	1	23.3	8.3	32.3	7.6	106.6	4.1	7.1	7.5				4.8	7.8			
		2	23.3	8.3	32.3	7.5	106.5	4.1	7.5										
	Middle	4.1	1	23.3	8.3	32.3	7.5	105.8	4.5	7.7									
	2	23.3	8.3	32.3	7.5	105.5	4.5	7.9											
		7.2	1	23.3	8.3	32.3	7.4	104.9	5.6	8.2	7.4								
		2	23.3	8.3	32.3	7.4	104.5	5.7	8.4										
	Surface	1.0	1	23.2	8.2	31.8	7.0	97.9	4.4	8.3				7.0	5.4	9.1			
		2	23.2	8.2	31.8	7.0	97.9	4.4	8.1										
	Middle	4.5	1	23.2	8.2	31.8	7.0	98.4	5.4	9.0									
	2	23.2	8.2	31.8	7.0	98.6	5.5	9.3											
		8.0	1	23.2	8.2	31.8	7.0	99.0	6.5	9.6	7.1								
		2	23.2	8.2	31.8	7.1	99.4	6.4	10.0										
Surface	1.0	1	23.4	8.1	31.9	6.7	94.9	2.7	9.4	6.8				3.9	8.6				
	2	23.4	8.1	31.9	6.8	95.1	2.7	9.2											
Middle	5.2	1	23.4	8.1	31.8	6.8	95.8	4.0	8.6										
2	23.4	8.1	31.8	6.8	96.0	4.0	8.4												
	9.4	1	23.4	8.0	31.7	6.9	96.7	5.0	8.0	6.9									
	2	23.4	8.0	31.7	6.9	97.3	5.1	7.7											
Surface	1.0	1	23.3	8.2	31.8	7.2	100.7	6.1	7.4				7.2	6.3	8.1				
	2	23.3	8.2	31.8	7.2	100.7	6.1	7.9											
Middle	3.0	1	23.3	8.2	31.8	7.2	100.8	6.5	8.3										
2	23.3	8.2	31.8	7.3	102.2	6.5	8.6												
	1.0	1	23.3	8.2	31.8	7.3	103.2	4.1	8.6	7.3	4.5	8.8							
	2	23.3	8.2	31.8	7.3	103.1	4.0	8.2											
Surface	1.0	1	23.3	8.2	31.7	7.3	102.5	5.0	9.0				7.3						
	2	23.3	8.2	31.7	7.3	102.1	5.0	9.3											
Middle	2.6	1	23.3	8.2	31.7	7.3	102.5	5.0	9.0										
2	23.3	8.2	31.7	7.3	102.1	5.0	9.3												
2022-11-16	Mid-Flood	TCE-C1	Misty	Moderate	16:16	8.0	Surface	1.0	1	23.5	8.3	32.9	7.7	109.4	5.8	7.2	7.7	6.8	7.7
								2	23.4	8.3	32.9	7.7	109.4	5.8	6.9				
							Middle	4.0	1	23.5	8.3	32.9	7.7	109.9	7.4	7.8			
							2	23.5	8.3	32.8	7.7	110.0	7.3	7.4					
			7.0	1	23.5	8.3	32.8	7.7	109.9	7.4	8.2	7.7							
			2	23.5	8.3	32.8	7.7	109.8	7.4	8.5									
		Surface	1.0	1	23.2	8.2	31.8	7.1	99.9	1.9	10.0				7.1	2.9	9.4		
			2	23.2	8.2	31.8	7.1	99.9	1.9	10.3									
		Middle	6.1	1	23.2	8.2	31.8	7.1	99.9	2.9	9.5								
		2	23.2	8.2	31.8	7.1	99.9	2.9	9.2										
			11.2	1	23.2	8.2	31.7	7.1	99.9	3.7	8.7	7.1							
			2	23.2	8.2	31.7	7.1	99.9	3.8	8.5									
		Surface	1.0	1	23.5	8.3	31.9	7.3	103.3	3.4	9.8				7.3	4.0	9.1		
			2	23.5	8.3	31.9	7.3	103.0	3.3	9.6									
		Middle	4.3	1	23.4	8.3	31.9	7.3	102.5	3.4	9.4								
		2	23.4	8.3	31.9	7.3	102.4	3.4	9.0										
			7.6	1	23.4	8.3	31.9	7.2	102.1	5.2	8.6	7.2							
			2	23.4	8.3	31.9	7.2	102.1	5.4	8.4									
		Surface	1.0	1	23.3	8.2	31.8	7.4	103.4	1.9	7.6				7.2	2.8	8.3		
			2	23.3	8.2	31.8	7.4	103.4	1.9	7.8									
		Middle	4.1	1	23.3	8.2	31.8	7.1	99.6	3.2	8.1								
		2	23.3	8.2	31.8	7.1	99.6	3.2	8.4										
			7.2	1	23.3	8.2	31.8	7.1	100.3	3.4	8.7	7.2							
			2	23.3	8.2	31.8	7.2	100.9	3.4	8.9									
Surface	1.0	1	23.2	8.2	31.8	7.1	99.8	2.8	7.8	7.1	3.8				8.0				
	2	23.2	8.2	31.8	7.1	99.8	2.8	7.4											
Middle	5.1	1	23.2	8.2	31.8	7.1	99.8	4.0	8.1										
2	23.2	8.2	31.8	7.1	99.8	4.0	7.9												
	9.2	1	23.2	8.2	31.7	7.1	99.9	4.5	8.6	7.1									
	2	23.2	8.2	31.7	7.1	99.9	4.5	8.4											
Surface	1.0	1	23.3	8.2	31.7	7.3	103.2	8.3	8.6				7.3	7.7	9.2				
	2	23.3	8.2	31.7	7.3	103.2	8.3	8.9											
Middle	3.0	1	23.1	8.2	31.9	7.3	102.5	7.2	9.8										
2	23.1	8.2	31.9	7.3	102.0	7.3	9.3												
	1.0	1	23.5	8.3	31.8	7.5	106.2	6.6	8.7	7.5	7.0	9.1							
	2	23.5	8.3	31.8	7.5	106.1	6.8	8.4											
Surface	1.0	1	23.5	8.3	31.8	7.5	105.7	7.4	9.8										
2	23.5	8.3	31.8	7.5	105.6	7.4	9.3												

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)		
2022-11-18	Mid-Ebb	TCE-C1	Sunny	Rough	9:03	7.4	Surface	1.0	1	23.3	8.3	30.0	7.3	101.2	1.6	2.6	7.2	3.5	3.5		
									2	23.3	8.3	30.0	7.3	101.2	1.6	2.9					
							Middle	3.7	1	23.2	8.3	30.3	7.1	98.5	2.7	3.1					
							Bottom	6.4	1	23.1	8.3	30.9	6.7	93.7	6.3	4.6					
				2	23.1	8.3	30.9	6.7	93.7	6.4	4.2										
		TCE-C2	Sunny	Moderate	7:04	12.2	Surface	1.0	1	23.6	8.2	29.3	8.2	29.3	6.6	92.6	2.0	1.6	6.5	2.7	2.3
									2	23.6	8.2	29.3	6.6	92.6	2.0	1.8					
							Middle	6.1	1	23.7	8.2	29.9	6.4	89.1	2.6	2.2					
							Bottom	11.2	1	23.5	8.2	29.9	6.4	89.1	2.7	2.4					
				2	23.5	8.2	30.3	6.2	86.4	3.4	3.0										
		TCE-WQM1	Sunny	Moderate	8:23	8.9	Surface	1.0	1	23.7	8.2	30.2	8.2	30.2	6.7	94.0	4.4	2.3	6.7	5.7	2.8
									2	23.7	8.2	30.2	6.7	94.0	4.4	2.0					
	Middle						4.5	1	23.4	8.2	30.3	6.7	93.1	6.2	2.5						
	Bottom						7.9	1	23.5	8.3	30.3	6.7	93.3	6.2	2.9						
			2	23.5	8.3	30.3	6.7	93.3	6.5	3.6											
	TCE-WQM2a	Sunny	Moderate	7:47	6.7	Surface	1.0	1	23.8	8.3	29.8	8.3	29.8	6.7	93.4	8.8	4.5	6.6	6.5	3.4	
								2	23.8	8.3	29.8	6.7	93.4	8.8	4.3						
						Middle	3.4	1	23.6	8.3	30.0	6.6	92.7	3.9	3.2						
						Bottom	5.7	1	23.6	8.3	30.0	6.6	92.7	3.9	3.5						
			2	23.6	8.4	30.6	6.5	91.2	6.8	2.5											
	TCE-WQM2b	Sunny	Moderate	7:32	9.9	Surface	1.0	1	23.7	8.2	29.5	8.2	29.5	6.5	91.2	2.9	4.0	6.5	3.4	3.2	
								2	23.7	8.2	29.5	6.5	91.3	3.0	4.4						
						Middle	5.0	1	23.6	8.2	29.6	6.5	90.7	3.5	2.8						
						Bottom	8.9	1	23.6	8.2	29.6	6.5	90.7	3.5	3.2						
		2	23.6	8.3	29.6	6.5	90.8	3.7	2.5												
TCE-WQM3A	Sunny	Calm	8:01	4.1	Surface	1.0	1	23.7	8.2	29.7	8.2	29.7	6.5	91.0	3.4	3.4	6.5	5.7	3.0		
							2	23.7	8.2	29.7	6.5	91.0	3.4	3.6							
					Bottom	3.1	1	23.6	8.2	30.2	6.2	87.4	8.0	2.6							
							2	23.6	8.2	30.2	6.2	87.3	8.0	2.2							
TCE-WQM4	Sunny	Calm	8:11	3.8	Surface	1.0	1	23.9	8.2	30.2	8.2	30.2	6.5	92.0	2.4	3.3	6.5	3.6	3.8		
							2	23.8	8.2	30.2	6.5	92.1	2.4	3.0							
					Bottom	2.8	1	23.7	8.2	30.3	6.6	92.8	4.8	4.6							
							2	23.6	8.2	30.3	6.6	92.8	4.7	4.1							
2022-11-18	Mid-Flood	TCE-C1	Sunny	Moderate	14:14	8.2	Surface	1.0	1	23.3	8.3	30.1	7.3	101.1	1.4	4.0	7.0	4.4	3.7		
									2	23.3	8.3	30.1	7.3	101.1	1.4	4.4					
							Middle	4.1	1	23.1	8.3	30.9	6.8	95.5	4.5	3.5					
							Bottom	7.2	1	23.0	8.3	31.0	6.8	94.6	7.2	3.3					
				2	23.0	8.3	31.0	6.8	94.6	7.2	3.0										
		TCE-C2	Sunny	Moderate	16:05	13.5	Surface	1.0	1	24.1	8.2	29.8	8.2	29.8	6.8	94.9	1.5	4.9	6.7	2.3	4.1
									2	24.1	8.2	29.8	6.8	94.9	1.5	4.6					
							Middle	6.8	1	23.5	8.2	30.2	6.6	93.1	2.7	4.3					
							Bottom	12.5	1	23.4	8.2	30.8	6.3	88.6	2.6	3.2					
				2	23.4	8.2	30.8	6.3	88.6	2.6	3.4										
		TCE-WQM1	Sunny	Calm	14:54	9.6	Surface	1.0	1	24.2	8.2	30.0	8.2	30.0	6.6	92.8	5.8	2.2	6.6	7.3	2.9
									2	24.2	8.2	30.0	6.6	92.8	5.8	2.4					
	Middle						4.8	1	23.8	8.3	30.2	6.7	94.1	4.8	3.0						
	Bottom						8.6	1	23.5	8.3	30.3	6.7	93.4	11.4	3.3						
			2	23.5	8.3	30.3	6.7	93.4	11.4	3.4											
	TCE-WQM2a	Sunny	Moderate	15:28	7.9	Surface	1.0	1	23.9	8.2	29.5	8.2	29.5	6.8	95.2	1.7	2.1	6.8	1.8	2.8	
								2	23.9	8.2	29.5	6.8	95.2	1.7	2.3						
						Middle	4.0	1	23.8	8.2	29.7	6.8	94.9	1.8	3.0						
						Bottom	6.9	1	23.8	8.2	29.6	6.8	94.9	1.8	2.5						
			2	23.9	8.2	29.8	6.7	94.5	1.9	3.5											
	TCE-WQM2b	Sunny	Moderate	15:43	10.3	Surface	1.0	1	24.1	8.2	29.3	8.2	29.3	6.7	93.7	1.7	2.7	6.6	2.2	2.6	
								2	24.1	8.2	29.3	6.7	93.8	1.7	3.0						
						Middle	5.2	1	23.9	8.2	29.5	6.6	92.3	2.4	2.4						
						Bottom	9.3	1	23.8	8.2	29.5	6.6	92.5	2.4	2.2						
		2	23.8	8.2	29.5	6.6	92.5	2.4	2.5												
TCE-WQM3A	Sunny	Calm	15:18	5.2	Surface	1.0	1	23.8	8.2	30.0	8.2	30.0	6.7	94.8	3.6	3.8	6.7	3.9	4.2		
							2	23.8	8.2	30.0	6.7	94.8	3.9	3.5							
					Bottom	4.2	1	23.7	8.2	30.1	6.7	93.8	4.0	4.5							
							2	23.7	8.2	30.1	6.7	93.8	4.0	4.8							
TCE-WQM4	Sunny	Calm	15:06	4.4	Surface	1.0	1	23.8	8.2	30.0	8.2	30.0	6.7	94.6	3.5	4.4	6.7	4.2	4.1		
							2	23.8	8.2	30.0	6.7	94.6	3.6	5.1							
					Bottom	3.4	1	23.7	8.2	30.2	6.6	93.2	4.8	3.3							
							2	23.7	8.2	30.2	6.6	93.1	4.8	3.7							

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)
2022-11-21	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:13	7.6	Surface	1.0	1	23.5	8.5	31.0	9.4	132.4	3.8	5.2	9.1	6.6	5.9
									2	23.5	8.5	31.0	9.4	131.5	3.7	5.1			
							Middle	3.8	1	23.2	8.5	31.9	8.7	122.6	6.0	5.7			
							Bottom	6.6	1	23.2	8.5	31.9	8.7	122.4	6.1	6.1			
				2	23.2	8.5	31.9	8.6	120.2	9.9	6.4	8.5							
				2	23.2	8.5	31.9	8.5	119.4	9.9	6.8								
				2	23.6	8.1	30.1	6.8	94.8	1.9	6.2	6.6	3.5	6.6					
				2	23.6	8.1	30.1	6.8	94.7	1.9	6.0								
		Middle	7.8	1	23.5	8.1	30.8	6.4	89.3	2.1	6.7								
		Bottom	14.5	1	23.5	8.1	30.8	6.4	89.3	2.1	6.4								
				2	23.5	8.1	30.8	6.3	89.0	6.5	7.2	6.3							
				2	23.5	8.1	30.8	6.3	89.1	6.4	6.9								
			2	24.1	8.4	30.2	8.6	121.0	4.3	5.8	8.5	4.7	6.3						
			2	24.1	8.4	30.2	8.6	120.9	4.4	5.5									
	Middle	4.3	1	24.1	8.3	30.2	8.5	120.3	4.5	6.2									
	Bottom	7.5	1	24.1	8.3	30.2	8.5	120.2	4.5	6.4									
			2	24.0	8.3	30.2	8.4	119.1	5.3	6.9	8.4								
			2	24.0	8.3	30.2	8.4	119.0	5.3	6.7									
			2	23.8	8.2	30.0	7.1	100.4	2.9	4.8	7.1	2.8	5.5						
			2	23.8	8.2	30.0	7.1	100.4	2.9	4.4									
	Middle	3.9	1	23.8	8.2	30.0	7.1	99.3	2.7	5.4									
	Bottom	6.7	1	23.8	8.2	30.0	7.1	99.2	2.7	5.8									
			2	23.8	8.2	30.1	7.0	97.9	3.0	6.0	7.0								
			2	23.8	8.2	30.1	7.0	97.9	3.0	6.4									
		2	23.8	8.2	29.9	7.1	100.3	2.9	6.2	7.0	3.7	5.5							
		2	23.8	8.2	29.9	7.1	100.1	3.1	5.9										
Middle	6.0	1	23.8	8.2	30.1	6.8	95.3	3.7	5.4										
Bottom	11.0	1	23.8	8.2	30.1	6.8	95.2	3.7	5.6										
		2	23.6	8.2	30.9	6.4	89.7	4.4	5.2	6.4									
		2	23.6	8.2	30.9	6.4	89.9	4.5	4.7										
		2	23.9	8.2	30.0	7.0	98.7	9.0	7.0	7.0									
		2	23.9	8.2	30.0	7.0	98.7	9.0	7.0										
		2	23.9	8.2	30.0	7.1	99.2	8.7	5.8	7.1									
		2	23.9	8.2	30.0	7.1	99.3	8.6	5.2										
		2	23.9	8.2	29.9	7.2	101.7	2.1	5.1	7.2									
		2	23.9	8.2	29.9	7.2	101.6	2.2	4.8										
		2	23.9	8.2	30.0	7.2	100.9	3.2	6.1	7.2									
		2	23.9	8.2	30.0	7.2	100.9	3.1	6.5										
2022-11-21	Mid-Flood	TCE-C1	Cloudy	Moderate	15:23	7.0	Surface	1.0	1	23.5	8.5	31.0	9.7	136.3	3.3	5.0	9.3	8.1	6.1
									2	23.5	8.5	31.0	9.7	135.9	3.2	5.3			
							Middle	3.5	1	23.3	8.5	31.5	9.0	126.4	3.1	6.3			
							Bottom	6.0	1	23.2	8.5	31.6	9.0	126.0	3.2	5.9			
				2	23.2	8.5	31.9	8.6	120.7	17.8	7.1	8.6							
				2	23.2	8.5	31.9	8.6	120.2	17.8	6.7								
				2	23.7	8.2	30.2	7.1	99.2	2.7	6.0	6.8	6.0	6.4					
				2	23.7	8.2	30.2	7.1	99.1	2.7	5.8								
		Middle	7.1	1	23.7	8.2	30.5	6.6	93.1	3.5	6.2								
		Bottom	13.1	1	23.7	8.2	30.4	6.6	93.2	3.5	6.6								
				2	23.6	8.2	30.9	6.4	89.9	11.8	6.8	6.4							
				2	23.6	8.2	30.9	6.4	90.1	11.9	7.1								
				2	24.1	8.4	30.3	8.6	122.0	4.2	5.1	8.6	4.5	5.8					
				2	24.1	8.4	30.3	8.6	122.1	4.1	5.4								
		Middle	4.0	1	24.0	8.4	30.3	8.6	122.0	4.4	5.8								
		Bottom	7.0	1	24.0	8.4	30.3	8.6	122.1	4.5	5.6								
				2	23.9	8.4	30.4	8.6	121.1	4.9	6.6	8.6							
				2	23.9	8.4	30.4	8.6	120.8	5.0	6.3								
				2	23.9	8.2	30.0	7.5	105.5	3.1	6.4	7.4	4.6	5.9					
				2	23.9	8.2	30.0	7.5	105.5	3.1	6.8								
		Middle	3.3	1	24.0	8.2	30.1	7.3	102.9	4.7	6.1								
		Bottom	5.5	1	24.0	8.2	30.1	7.3	102.7	4.8	5.8								
				2	23.9	8.2	30.1	7.1	100.2	6.0	5.2	7.1							
				2	23.9	8.2	30.1	7.1	100.4	6.1	4.9								
			2	23.9	8.2	29.4	7.6	107.1	2.1	6.2	7.6	2.8	5.5						
			2	23.9	8.2	29.4	7.6	107.0	2.1	6.6									
	Middle	5.3	1	23.9	8.2	29.6	7.5	105.3	2.7	5.3									
	Bottom	9.6	1	23.9	8.2	29.5	7.5	105.2	2.7	5.7									
			2	23.8	8.2	29.8	7.4	103.5	3.8	4.5	7.4								
			2	23.8	8.2	29.8	7.4	103.5	3.7	4.8									
			2	23.9	8.2	29.8	7.1	99.3	8.8	7.0	7.1								
			2	23.9	8.2	29.8	7.1	99.4	8.9	6.6									
			2	23.9	8.2	29.8	7.1	99.3	7.0	6.1	7.1								
			2	23.9	8.2	29.9	7.1	99.4	7.1	5.6									
			2	24.0	8.3	30.1	7.9	111.3	3.2	6.3	7.9								
			2	24.0	8.3	30.1	7.9	111.4	3.2	6.2									
			2	24.0	8.3	30.1	7.8	110.1	3.6	5.2	7.8								
			2	24.0	8.3	30.1	7.8	109.8	3.7	4.8									

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)
2022-11-23	Mid-Ebb	TCE-C1	Cloudy	Moderate	10:46	7.7	Surface	1.0	1	23.2	8.5	31.1	7.7	107.4	5.0	4.5	7.7	7.4	5.1
									2	23.2	8.5	31.2	7.7	107.5	5.1	4.4			
							Middle	3.9	1	23.1	8.5	31.6	7.7	107.7	5.5	6.2			
							Bottom	6.7	1	23.1	8.5	31.9	7.7	107.7	11.9	5.3			
				2	23.1	8.5	31.9	7.7	107.6	11.5	4.5								
		TCE-C2	Cloudy	Moderate	12:51	13.7	Surface	1.0	1	23.6	8.2	30.6	7.0	98.8	3.3	5.7	6.8	4.9	4.6
									2	23.5	8.2	30.6	7.0	98.7	3.3	5.1			
							Middle	6.9	1	23.5	8.2	30.8	6.6	93.2	3.9	4.4			
							Bottom	12.7	1	23.5	8.2	30.8	6.6	93.0	4.2	4.1			
				2	23.4	8.2	31.1	6.6	92.6	7.2	4.4								
		TCE-WQM1	Cloudy	Moderate	11:44	8.4	Surface	1.0	1	23.3	8.4	30.9	7.1	99.2	6.9	7.3	7.1	9.0	6.0
									2	23.3	8.4	30.9	7.1	99.2	7.1	6.3			
	Middle						4.2	1	23.3	8.4	31.0	7.1	99.2	8.2	4.9				
	Bottom						7.4	1	23.3	8.4	31.0	7.1	99.2	9.2	4.7				
			2	23.3	8.4	31.1	7.1	99.0	11.2	6.7									
	TCE-WQM2a	Cloudy	Moderate	12:20	7.5	Surface	1.0	1	23.5	8.3	30.4	7.0	98.4	8.2	6.9	7.0	8.1	5.6	
								2	23.5	8.3	30.4	7.0	98.4	8.2	5.7				
						Middle	3.8	1	23.5	8.2	30.4	6.9	96.7	4.7	6.3				
						Bottom	6.5	1	23.5	8.2	30.4	6.9	96.7	4.8	6.7				
			2	23.5	8.2	30.4	6.9	97.3	10.9	3.5									
	TCE-WQM2b	Cloudy	Moderate	12:31	11.4	Surface	1.0	1	23.6	8.3	30.4	7.0	98.3	5.1	8.2	6.9	8.4	5.9	
								2	23.6	8.3	30.5	7.0	98.0	5.5	6.8				
						Middle	5.7	1	23.5	8.2	30.5	6.8	95.9	9.0	4.9				
						Bottom	10.4	1	23.5	8.2	30.5	6.8	95.9	9.2	6.2				
		2	23.5	8.2	30.5	6.8	95.8	11.0	4.7										
TCE-WQM3A	Cloudy	Moderate	12:09	4.8	Surface	1.0	1	23.5	8.2	30.3	6.9	96.4	9.9	4.0	6.9	11.1	5.6		
							2	23.5	8.2	30.3	6.9	96.4	10.0	10.2					
					Bottom	3.8	1	23.5	8.3	30.3	6.9	96.5	12.2	3.6					
							2	23.5	8.3	30.3	6.9	96.6	12.4	4.4					
TCE-WQM4	Cloudy	Moderate	11:57	4.2	Surface	1.0	1	23.5	8.3	30.3	7.1	98.7	6.1	4.5	7.1	6.2	5.5		
							2	23.5	8.3	30.3	7.1	98.7	6.2	4.2					
					Bottom	3.2	1	23.4	8.3	30.4	7.1	99.2	6.3	5.9					
							2	23.3	8.3	30.4	7.1	99.3	6.3	7.5					
2022-11-23	Mid-Flood	TCE-C1	Rainy	Moderate	8:19	7.2	Surface	1.0	1	23.2	8.5	31.1	7.6	106.6	5.7	3.8	7.6	7.3	4.5
									2	23.2	8.5	31.2	7.6	106.7	5.9	3.8			
							Middle	3.6	1	23.2	8.5	31.6	7.6	106.5	6.4	4.7			
							Bottom	6.2	1	23.2	8.5	31.6	7.6	106.4	6.5	6.7			
				2	23.2	8.5	31.9	7.5	105.4	9.4	4.1								
		TCE-C2	Cloudy	Moderate	6:35	13.3	Surface	1.0	1	23.4	8.1	30.6	6.7	93.5	2.8	5.8	6.6	3.4	4.7
									2	23.4	8.1	30.6	6.7	93.4	2.7	4.0			
							Middle	6.7	1	23.4	8.1	30.6	6.6	92.7	3.5	5.3			
							Bottom	12.3	1	23.4	8.1	30.6	6.6	92.7	3.6	4.1			
				2	23.4	8.1	30.6	6.6	92.5	3.9	4.5								
		TCE-WQM1	Rainy	Moderate	7:41	8.0	Surface	1.0	1	23.4	8.3	30.5	7.0	97.8	7.3	6.5	7.0	8.8	5.4
									2	23.4	8.3	30.5	7.0	97.8	7.2	5.5			
	Middle						4.0	1	23.4	8.3	30.5	7.0	97.9	8.4	5.7				
	Bottom						7.0	1	23.4	8.3	30.5	7.0	97.9	8.9	6.7				
			2	23.3	8.3	30.5	7.1	98.5	10.3	4.1									
	TCE-WQM2a	Cloudy	Moderate	7:10	7.2	Surface	1.0	1	23.5	8.2	30.4	6.9	96.7	4.2	4.5	6.9	5.1	4.2	
								2	23.5	8.2	30.4	6.9	96.7	4.2	4.4				
						Middle	3.6	1	23.5	8.2	30.4	6.9	96.5	4.3	4.6				
						Bottom	6.2	1	23.5	8.2	30.3	6.9	96.4	4.3	3.8				
			2	23.5	8.2	30.3	6.8	95.7	6.7	4.2									
	TCE-WQM2b	Cloudy	Moderate	6:59	11.4	Surface	1.0	1	23.5	8.2	30.4	6.9	96.9	6.5	4.3	6.9	8.9	4.9	
								2	23.5	8.2	30.4	6.9	96.8	6.6	3.4				
						Middle	5.7	1	23.5	8.2	30.4	6.9	96.4	7.9	5.0				
						Bottom	10.4	1	23.5	8.2	30.4	6.9	96.4	8.7	4.5				
		2	23.5	8.2	30.4	6.9	96.9	11.6	4.4										
TCE-WQM3A	Cloudy	Moderate	7:20	4.7	Surface	1.0	1	23.5	8.2	30.3	6.8	95.0	13.6	4.6	6.8	13.5	5.0		
							2	23.5	8.2	30.3	6.8	94.9	13.6	5.5					
					Bottom	3.7	1	23.5	8.2	30.3	6.8	94.7	13.3	5.9					
							2	23.5	8.2	30.3	6.8	94.7	13.6	3.9					
TCE-WQM4	Cloudy	Moderate	7:29	3.5	Surface	1.0	1	23.4	8.2	30.3	7.0	97.7	3.4	4.0	7.0	3.3	4.4		
							2	23.4	8.2	30.3	7.0	97.8	3.4	4.4					
					Bottom	2.5	1	23.4	8.2	30.3	7.1	99.2	3.3	5.3					
							2	23.4	8.2	30.3	7.1	99.3	3.3	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)						
2022-11-25	Mid-Ebb	TCE-C1	Cloudy	Rough	12:19	7.6	Surface	1.0	1	23.2	8.2	30.7	6.7	93.6	4.2	10.8	6.7	5.2	10.0						
									2	23.2	8.2	30.8	6.7	93.6	4.2	11.2									
							Middle	3.8	1	23.2	8.2	30.8	6.7	93.8	5.2	9.9									
									2	23.2	8.2	30.8	6.7	93.9	5.2	9.5									
							Bottom	6.6	1	23.2	8.2	30.9	6.8	94.9	6.3	9.1									
									2	23.2	8.2	30.9	6.8	94.9	6.3	9.3									
		TCE-C2	Cloudy	Rough	14:17	15.6	Surface	1.0	1	23.5	8.2	30.7	6.7	93.5	3.3	5.2	6.6	5.6	5.5						
									2	23.5	8.2	30.7	6.7	93.5	3.3	5.3									
							Middle	7.8	1	23.2	8.1	31.1	6.4	90.1	4.7	5.4									
									2	23.2	8.1	31.1	6.4	90.1	4.7	5.6									
							Bottom	14.6	1	23.2	8.1	31.1	6.5	90.3	8.8	5.7									
									2	23.2	8.1	31.1	6.5	90.4	8.8	6.0									
		TCE-WQM1	Cloudy	Moderate	13:04	8.8	Surface	1.0	1	23.1	8.2	30.9	6.7	94.0	11.5	16.1	6.7	10.5	18.1						
									2	23.1	8.2	30.9	6.7	94.0	11.6	16.3									
							Middle	4.4	1	23.1	8.2	30.9	6.7	94.1	10.0	17.7									
									2	23.1	8.2	30.9	6.7	94.1	10.1	18.1									
							Bottom	7.8	1	23.1	8.2	30.9	6.8	94.3	9.9	20.3									
									2	23.1	8.2	30.9	6.8	94.3	9.9	19.9									
		TCE-WQM2a	Cloudy	Rough	13:40	7.2	Surface	1.0	1	23.4	8.2	30.6	6.7	94.2	4.6	5.8	6.8	6.3	5.5						
									2	23.4	8.2	30.6	6.7	94.2	4.6	6.0									
							Middle	3.6	1	23.3	8.2	30.6	6.8	94.6	5.1	5.5									
									2	23.3	8.2	30.6	6.8	94.6	5.1	5.4									
							Bottom	6.2	1	23.2	8.2	30.6	6.8	94.1	9.1	4.8									
									2	23.2	8.2	30.6	6.8	94.1	9.2	5.2									
TCE-WQM2b	Cloudy	Rough	13:53	12.8	Surface	1.0	1	23.5	8.2	30.6	6.8	94.8	3.4	4.1	6.7	6.1	5.1								
							2	23.5	8.2	30.6	6.8	94.8	3.4	3.8											
					Middle	6.4	1	23.3	8.2	30.6	6.7	93.2	6.2	4.7											
							2	23.3	8.2	30.6	6.7	93.2	6.2	5.0											
					Bottom	11.8	1	23.3	8.2	30.6	6.7	93.5	8.6	6.2											
							2	23.3	8.2	30.6	6.7	93.5	8.7	6.8											
TCE-WQM3A	Cloudy	Moderate	13:29	4.8	Surface	1.0	1	23.3	8.1	30.6	6.5	91.4	6.3	7.3	6.5	7.9	9.1								
							2	23.3	8.1	30.6	6.5	91.4	6.4	8.0											
					Bottom	3.8	1	23.2	8.1	30.6	6.6	91.4	9.4	10.2											
							2	23.2	8.1	30.6	6.6	91.4	9.5	10.7											
					TCE-WQM4	Cloudy	Moderate	13:17	4.3	Surface	1.0	1	23.4	8.1				30.6	6.7	94.3	5.3	7.4	6.7	5.2	6.8
											2	23.4	8.1	30.6				6.7	94.4	5.3	7.6				
Bottom	3.3	1	23.2	8.2	30.6					6.8	95.0	5.0	6.2												
		2	23.2	8.2	30.6					6.8	95.3	5.1	5.8												
		1	23.1	8.2	30.8					6.8	95.3	4.9	14.6												
		2	23.1	8.2	30.8					6.8	95.3	5.0	14.2												
2022-11-25	Mid-Flood	TCE-C1	Cloudy	Moderate	9:12	7.7	Surface	1.0	1	23.1	8.2	30.8	6.8	95.3	4.9	14.6	6.8	5.6	15.1						
									2	23.1	8.2	30.8	6.8	95.3	5.0	14.2									
							Middle	3.9	1	23.0	8.2	30.8	6.8	95.2	5.4	14.9									
									2	23.0	8.2	30.8	6.8	95.2	5.5	15.2									
							Bottom	6.7	1	23.0	8.2	30.8	6.8	95.3	6.4	15.9									
									2	23.0	8.2	30.8	6.8	95.3	6.4	15.5									
		TCE-C2	Cloudy	Rough	7:10	14.5	Surface	1.0	1	23.3	8.2	30.6	6.5	91.2	5.3	8.0	6.5	6.6	8.8						
									2	23.3	8.2	30.6	6.5	91.2	5.2	8.5									
							Middle	7.3	1	23.2	8.2	30.8	6.4	90.0	4.8	9.0									
									2	23.2	8.2	30.8	6.4	90.0	4.8	8.7									
							Bottom	13.5	1	23.2	8.1	30.8	6.4	89.7	9.9	9.2									
									2	23.2	8.1	30.8	6.4	89.7	9.9	9.3									
		TCE-WQM1	Cloudy	Moderate	8:20	8.2	Surface	1.0	1	23.0	8.2	30.7	6.6	91.9	7.6	8.8	6.6	7.9	9.4						
									2	23.0	8.2	30.7	6.6	91.9	7.6	8.3									
							Middle	4.1	1	23.0	8.2	30.7	6.6	91.7	7.6	9.7									
									2	23.0	8.2	30.7	6.6	91.7	7.7	9.4									
							Bottom	7.2	1	23.0	8.2	30.7	6.6	91.8	8.5	10.3									
									2	23.0	8.2	30.7	6.6	91.9	8.5	10.0									
		TCE-WQM2a	Cloudy	Moderate	7:48	6.9	Surface	1.0	1	23.1	8.2	30.6	6.7	93.3	7.4	10.8	6.7	8.1	10.0						
									2	23.1	8.2	30.6	6.7	93.3	7.4	10.4									
							Middle	3.5	1	23.1	8.2	30.6	6.7	93.3	8.5	10.0									
									2	23.1	8.2	30.6	6.7	93.3	8.4	10.3									
							Bottom	5.9	1	23.1	8.2	30.6	6.7	93.8	8.4	9.5									
									2	23.1	8.2	30.6	6.7	93.9	8.4	9.1									
TCE-WQM2b	Cloudy	Moderate	7:35	8.9	Surface	1.0	1	23.2	8.1	30.6	6.7	93.2	6.2	8.5	6.7	7.1	7.8								
							2	23.2	8.1	30.6	6.7	93.2	6.2	8.2											
					Middle	4.5	1	23.2	8.1	30.6	6.7	92.9	6.9	8.0											
							2	23.2	8.1	30.6	6.7	92.9	7.0	7.7											
					Bottom	7.9	1	23.2	8.1	30.6	6.7	93.7	8.3	7.5											
							2	23.2	8.1	30.6	6.7	93.7	8.3	7.0											
TCE-WQM3A	Cloudy	Moderate	7:58	4.3	Surface	1.0	1	23.2	8.1	30.6	6.5	91.1	7.4	9.9	6.5	7.5	9.8								
							2	23.2	8.1	30.6	6.5	91.1	7.5	10.5											
					Bottom	3.3	1	23.2	8.1	30.6	6.6	91.5	7.5	9.1											
							2	23.2	8.1	30.6	6.6	91.7	7.5	9.6											
					TCE-WQM4	Cloudy	Moderate	8:07	3.5	Surface	1.0	1	23.1	8.1				30.6	6.6	91.9	6.3	9.9	6.6	6.4	9.1
											2	23.1	8.1	30.6				6.6	91.9	6.4	9.5				
Bottom	2.5	1	23.1	8.1	30.6					6.6	92.5	6.5	8.7												
		2	23.1	8.1	30.6					6.6	92.5	6.5	8.3												





## Water Quality Monitoring for Tung Chung New Town Extension (East)

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)
2022-11-30	Mid-Ebb	TCE-C1	Fine	Moderate	7:14	8.2	Surface	1.0	1	23.7	8.2	34.3	6.4	91.5	1.4	3.6	6.4	2.2	4.6
									2	23.7	8.2	34.3	6.4	91.6	1.5	3.9			
							Middle	4.1	1	23.8	8.2	34.2	6.4	91.9	2.2	4.5			
									2	23.8	8.2	34.2	6.4	92.0	2.1	4.9			
							Bottom	7.2	1	23.8	8.2	34.1	6.4	92.2	3.0	5.5			
									2	23.9	8.2	34.1	6.4	92.4	3.1	5.2			
		TCE-C2	Fine	Moderate	5:07	12.8	Surface	1.0	1	23.7	8.1	33.6	6.1	87.5	1.6	4.0	6.1	2.2	4.4
									2	23.7	8.1	33.6	6.1	87.5	1.5	3.9			
							Middle	6.4	1	23.7	8.1	33.6	6.1	87.4	2.2	4.4			
									2	23.7	8.1	33.6	6.1	87.4	2.2	4.3			
							Bottom	11.8	1	23.7	8.1	33.5	6.1	87.5	3.0	5.0			
									2	23.7	8.1	33.5	6.1	87.6	2.9	4.6			
		TCE-WQM1	Fine	Moderate	6:18	8.5	Surface	1.0	1	23.9	8.2	34.1	6.4	92.4	2.5	1.2	6.5	3.5	1.8
									2	23.9	8.2	34.1	6.4	92.6	2.5	1.4			
							Middle	4.3	1	23.7	8.2	34.4	6.5	93.5	3.5	1.9			
									2	23.6	8.2	34.5	6.5	93.9	3.5	1.7			
							Bottom	7.5	1	23.5	8.2	34.7	6.6	94.0	4.4	2.2			
									2	23.4	8.1	34.7	6.6	94.1	4.5	2.3			
		TCE-WQM2a	Fine	Moderate	5:47	7.2	Surface	1.0	1	23.5	8.1	33.6	6.4	91.7	1.3	1.8	6.5	2.4	2.2
									2	23.5	8.1	33.6	6.4	91.7	1.3	1.8			
							Middle	3.6	1	23.3	8.0	33.8	6.5	93.0	2.5	2.2			
									2	23.2	8.0	33.8	6.6	93.8	2.5	2.1			
							Bottom	6.2	1	23.0	8.0	33.8	6.8	95.6	3.4	2.4			
									2	23.0	7.9	33.5	7.0	98.2	3.4	2.6			
TCE-WQM2b	Fine	Moderate	5:35	10.4	Surface	1.0	1	23.7	8.2	33.7	6.2	88.3	3.0	2.3	6.2	3.4	2.1		
							2	23.7	8.2	33.7	6.2	88.3	3.0	2.6					
					Middle	5.2	1	23.7	8.1	33.7	6.2	88.6	3.1	2.1					
							2	23.7	8.1	33.7	6.2	88.8	3.0	2.2					
					Bottom	9.4	1	23.8	8.1	33.6	6.3	89.6	4.0	1.8					
							2	23.8	8.1	33.6	6.3	90.1	4.1	1.6					
TCE-WQM3A	Fine	Moderate	5:57	4.0	Surface	1.0	1	23.8	8.2	33.5	6.2	89.2	2.5	2.5	6.2	2.6	3.4		
							2	23.8	8.2	33.5	6.2	89.3	2.6	2.2					
					Bottom	3.0	1	23.8	8.2	33.8	6.3	90.9	2.7	4.4					
							2	23.8	8.2	33.9	6.3	91.1	2.7	4.3					
					Surface	1.0	1	24.1	8.2	33.7	6.4	92.0	3.2	4.7					
							2	24.0	8.2	33.8	6.4	92.5	3.2	5.1					
TCE-WQM4	Fine	Moderate	6:06	3.8	Surface	1.0	1	23.9	8.2	34.0	6.5	93.3	4.1	5.8	6.5	3.6	5.3		
							2	23.9	8.2	34.1	6.5	93.8	4.0	5.5					
					Bottom	2.8	1	23.6	8.2	34.5	6.5	93.1	4.2	2.9					
							2	23.6	8.2	34.5	6.5	93.2	4.1	2.7					
					Middle	4.0	1	23.5	8.2	34.5	6.5	93.7	5.3	3.2					
							2	23.5	8.2	34.5	6.6	94.1	5.3	3.3					
2022-11-30	Mid-Flood	TCE-C1	Fine	Moderate	12:21	8.0	Surface	1.0	1	23.6	8.2	34.5	6.5	93.1	4.2	2.9	6.5	5.2	3.2
									2	23.6	8.2	34.5	6.5	93.2	4.1	2.7			
							Middle	4.0	1	23.5	8.2	34.5	6.5	93.7	5.3	3.2			
									2	23.5	8.2	34.5	6.6	94.1	5.3	3.3			
							Bottom	7.0	1	23.5	8.2	34.5	6.6	95.1	6.1	3.5			
									2	23.5	8.2	34.5	6.6	94.8	6.1	3.8			
		TCE-C2	Fine	Moderate	14:20	9.8	Surface	1.0	1	23.7	8.3	34.5	6.8	97.8	2.7	3.7	6.8	3.6	3.0
									2	23.7	8.3	34.5	6.8	97.8	2.7	3.4			
							Middle	4.9	1	23.7	8.3	34.5	6.8	97.8	3.5	3.2			
									2	23.7	8.3	34.5	6.8	98.0	3.6	2.7			
							Bottom	8.8	1	23.7	8.3	34.5	6.8	98.5	4.6	2.2			
									2	23.7	8.3	34.5	6.9	98.7	4.6	2.6			
		TCE-WQM1	Fine	Moderate	13:16	8.8	Surface	1.0	1	23.9	8.2	34.3	6.6	95.2	2.9	3.5	6.6	4.2	2.6
									2	23.8	8.2	34.3	6.6	95.2	3.0	3.8			
							Middle	4.4	1	23.8	8.2	34.3	6.6	95.3	4.1	2.8			
									2	23.8	8.1	34.3	6.7	96.1	4.2	2.3			
							Bottom	7.8	1	23.8	8.1	34.3	6.9	99.8	5.4	1.8			
									2	23.8	8.1	34.4	6.9	99.5	5.5	1.6			
		TCE-WQM2a	Fine	Moderate	13:46	8.4	Surface	1.0	1	23.7	8.3	34.5	6.9	98.7	1.0	1.9	6.9	2.5	1.4
									2	23.7	8.3	34.5	6.9	98.7	1.0	1.6			
							Middle	4.2	1	23.7	8.2	34.5	6.9	99.5	2.9	1.4			
									2	23.8	8.2	34.4	6.9	99.7	2.9	1.4			
							Bottom	7.4	1	23.8	8.2	34.4	6.9	100.1	3.4	1.1			
									2	23.8	8.2	34.4	7.0	100.3	3.5	1.2			
TCE-WQM2b	Fine	Moderate	13:56	10.2	Surface	1.0	1	23.7	8.3	34.4	6.9	99.4	1.1	1.7	6.9	2.2	1.3		
							2	23.7	8.3	34.4	6.9	99.4	1.2	1.6					
					Middle	5.1	1	23.7	8.3	34.4	6.9	99.5	2.4	1.4					
							2	23.8	8.3	34.4	6.9	99.5	2.5	1.2					
					Bottom	9.2	1	23.8	8.3	34.4	6.9	99.5	3.1	0.9					
							2	23.8	8.3	34.4	6.9	99.5	3.1	0.8					
TCE-WQM3A	Fine	Moderate	13:37	4.0	Surface	1.0	1	23.6	8.3	34.5	6.6	94.8	4.3	1.8	6.6	4.7	2.3		
							2	23.6	8.3	34.5	6.6	94.6	4.4	1.6					
					Bottom	3.0	1	23.7	8.3	34.4	6.6	95.3	5.0	3.0					
							2	23.7	8.3	34.4	6.6	95.6	5.0	2.7					
					Surface	1.0	1	23.7	8.2	34.4	6.7	96.1	3.4	4.1					
							2	23.7	8.2	34.4	6.7	96.0	3.3	3.8					
TCE-WQM4	Fine	Moderate	13:27	4.0	Surface	1.0	1	23.7	8.2	34.4	6.7	96.6	4.3	3.5	6.7	3.8	3.7		
							2	23.7	8.2	34.4	6.7	96.6	4.3	3.5					
					Bottom	3.0	1	23.8	8.2	34.3	6.7	96.6	4.3	3.5					
							2	23.8	8.2	34.3	6.7	96.6	4.3	3.5					
					Surface	1.0	1	23.7	8.2	34.4	6.7	96.1	3.4	4.1					
							2	23.7	8.2	34.4	6.7	96.0	3.3	3.8					
		2	23.7	8.2	34.4	6.6	95.6	5.0	2.7										
		2	23.8	8.2	34.3	6.9	100.1	4.2	3.3										