

Annex G3

Monitoring Results for Water Quality

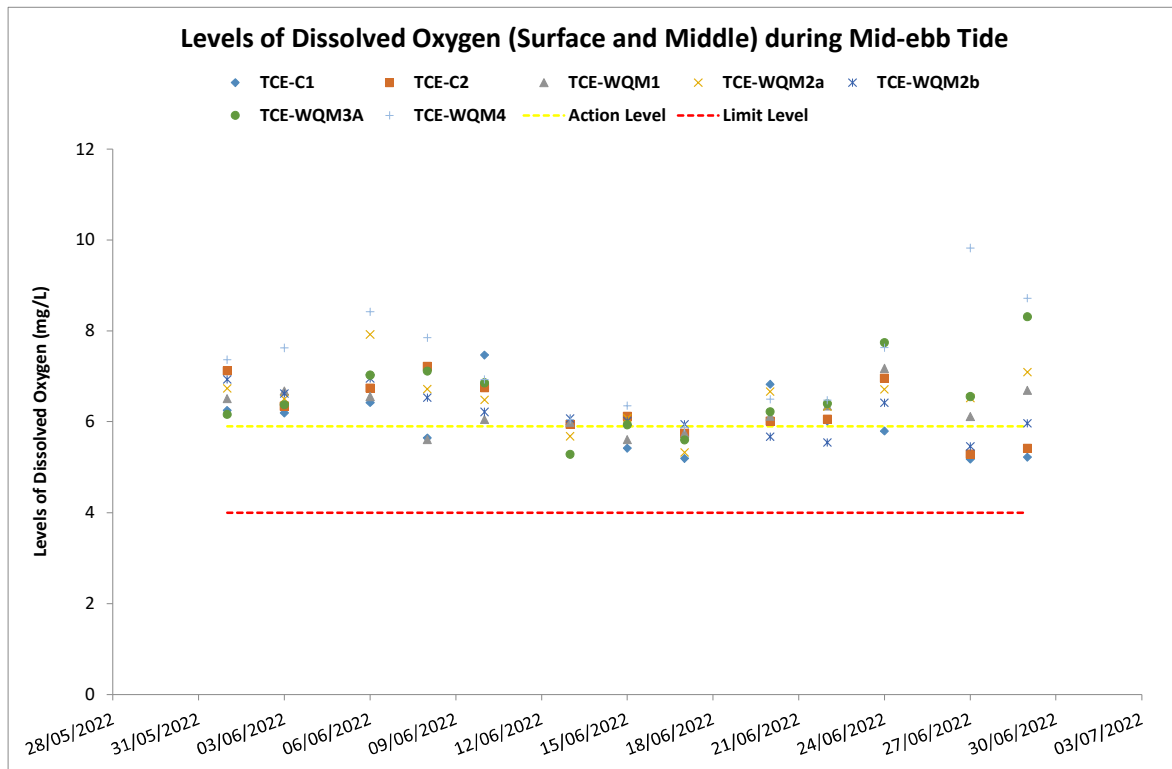


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2022

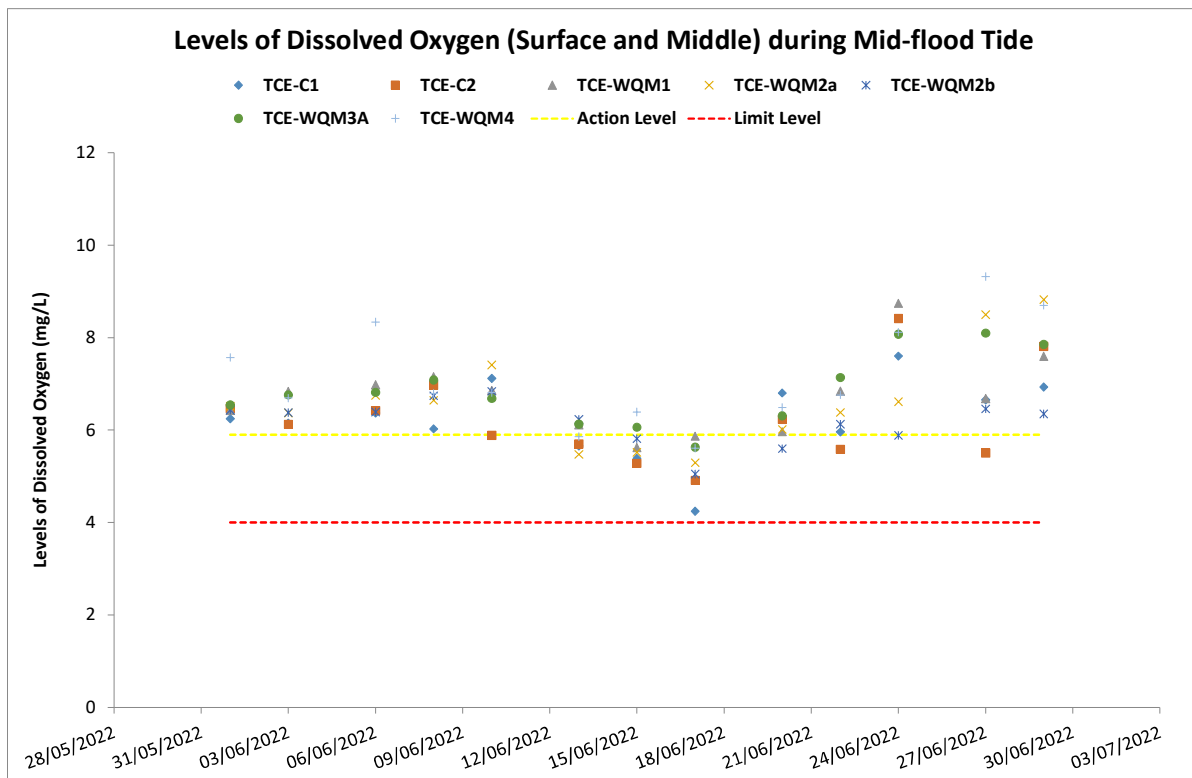


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2022

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

**Environmental
 Resources
 Management**



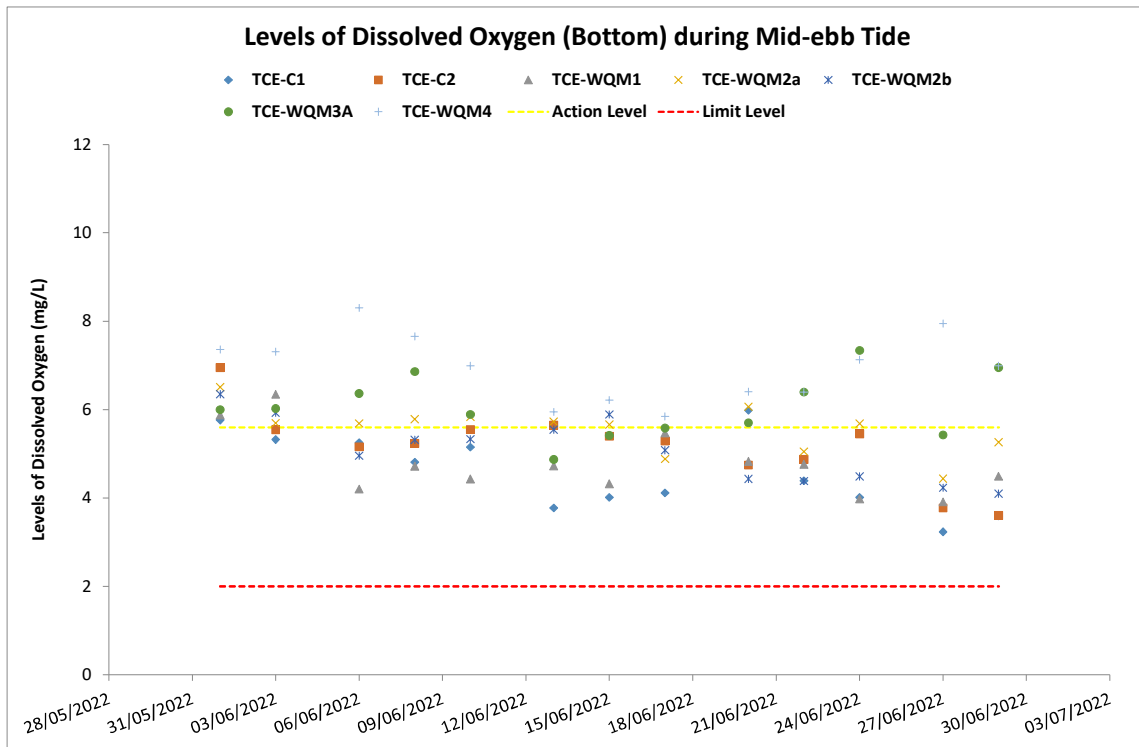


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2022

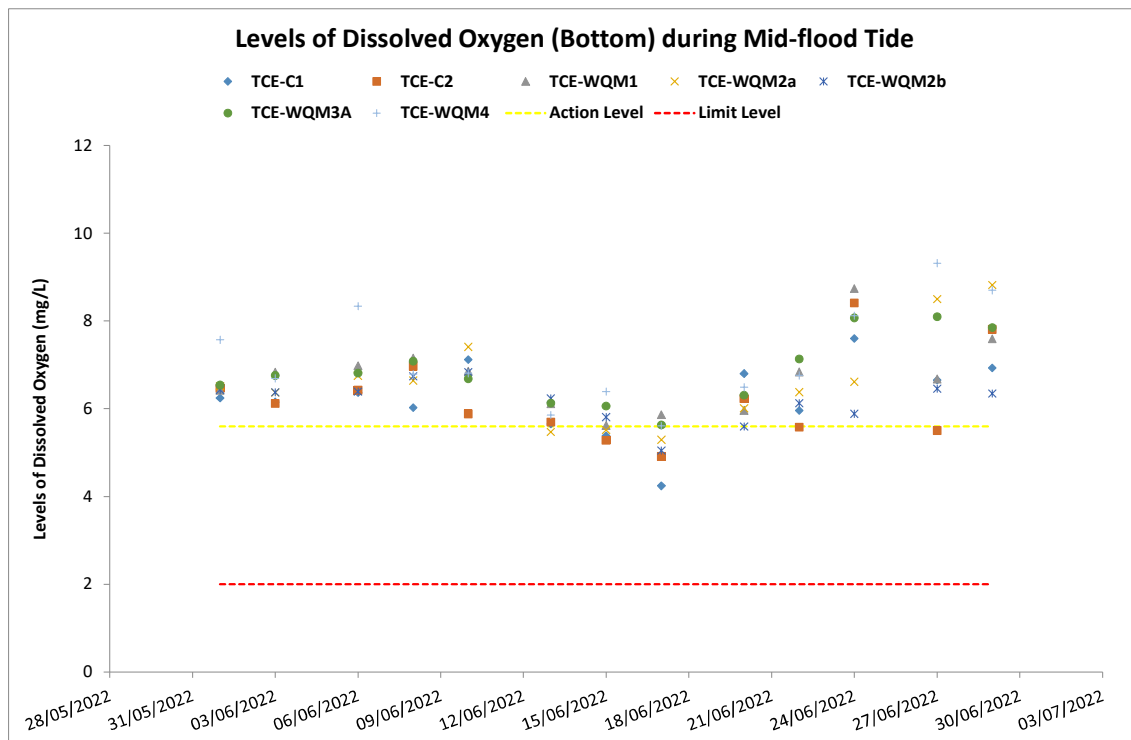


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2022

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

Date: June 2022

**Environmental
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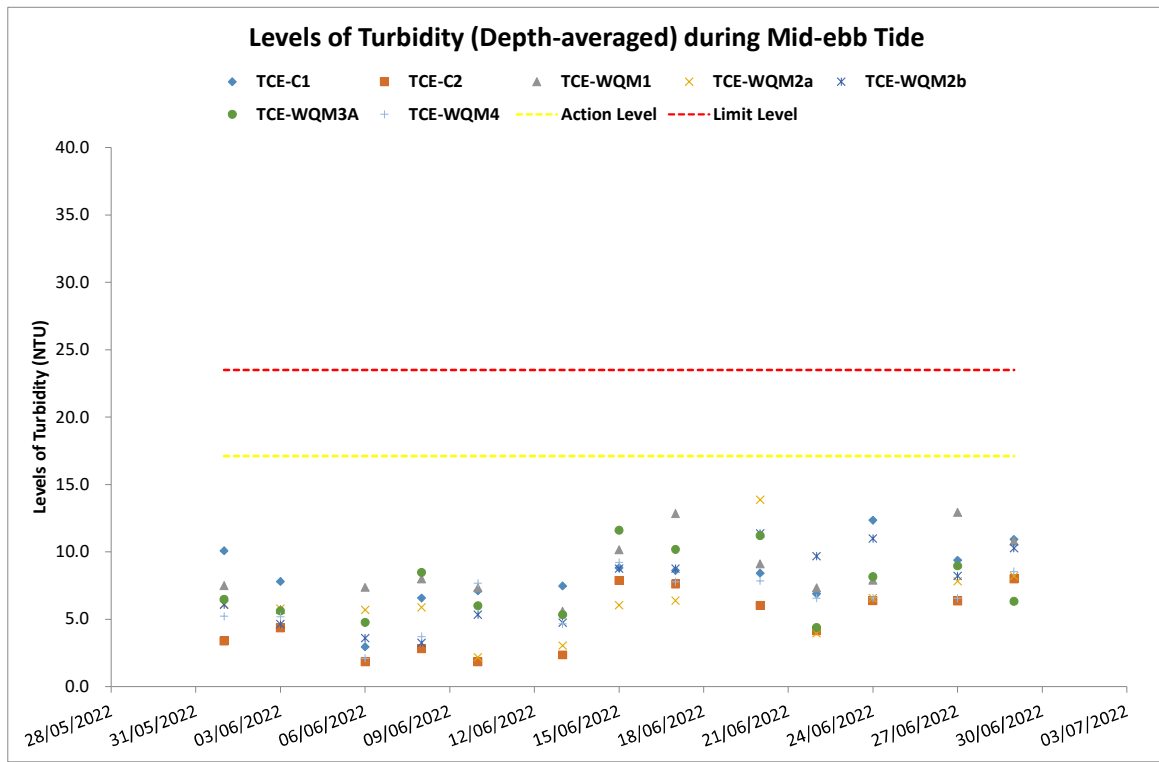


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2022

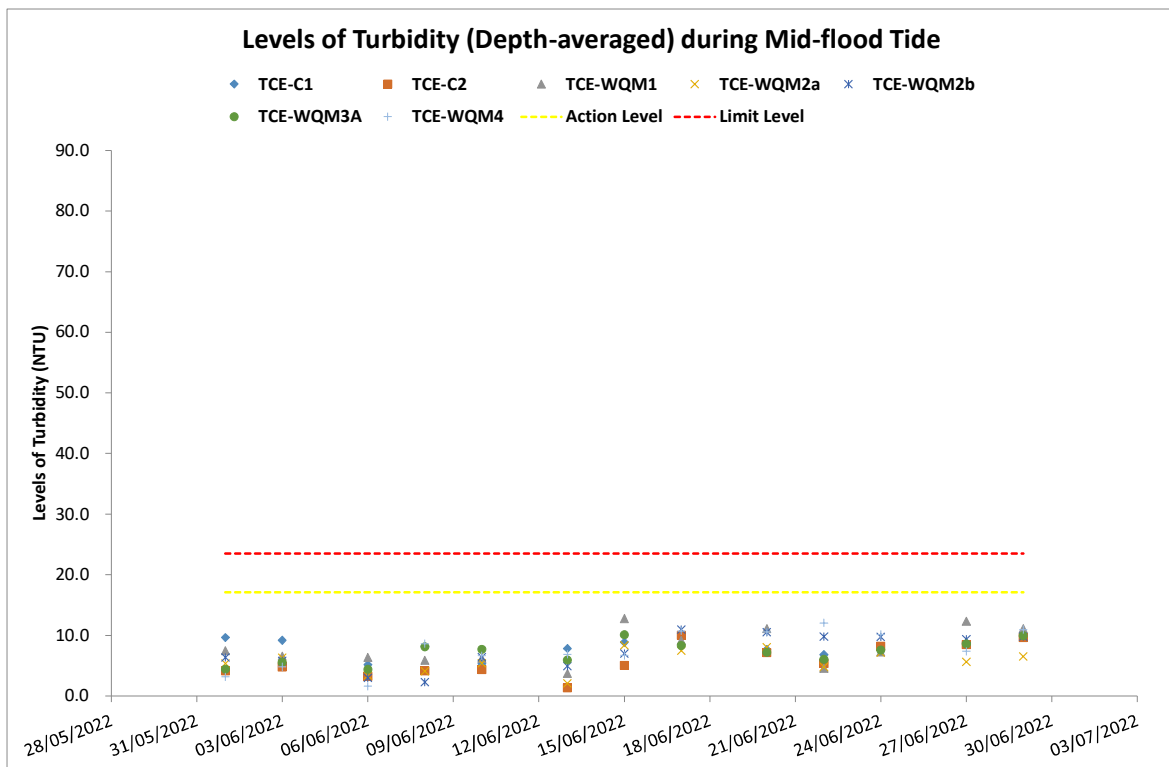


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2022

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

**Environmental
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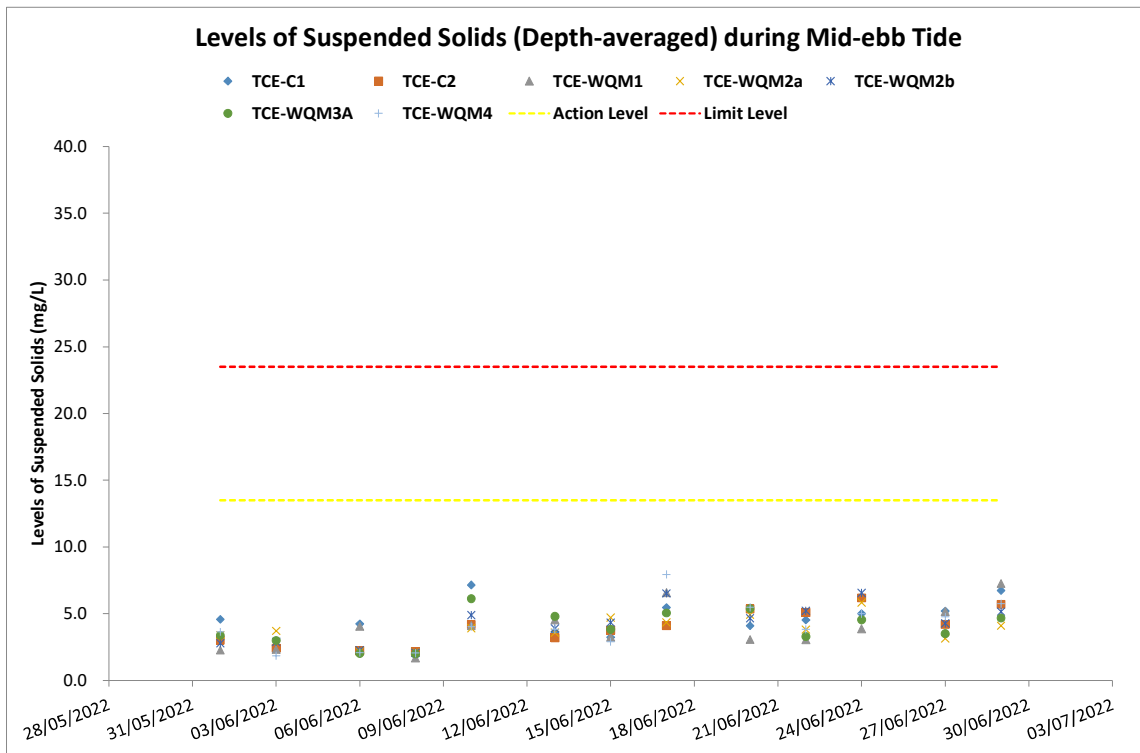


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 30 June 2022

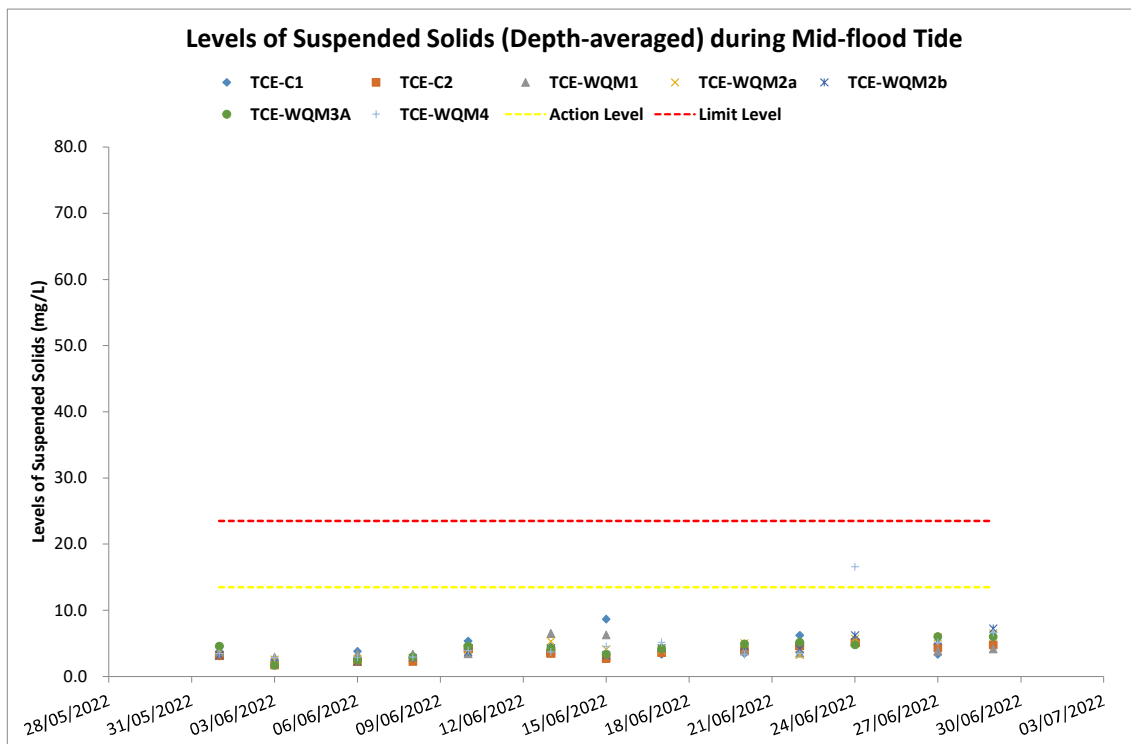


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 30 June 2022

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

Date: June 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)
2022-06-01	Mid-Ebb	TCE-C1	Rainy	Rough	12:32	8.6	Surface	1.0	1	26.5	8.0	19.1	6.7	92.2	6.6	4.1	6.3	10.1	4.6
									2	26.5	8.0	19.1	6.7	92.0	6.9	4.0			
							Middle	4.3	1	25.8	8.0	28.0	5.8	83.7	10.2	4.5			
							Bottom	7.6	1	25.4	8.0	29.4	5.8	82.9	13.5	5.2			
						2	25.4	8.0	29.4	5.8	83.0	12.8	5.0	5.8					
				2	27.3	8.0	17.7	7.3	101.5	2.9	3.4								
		Middle	6.6	1	27.2	8.0	19.8	7.0	97.9	3.8	2.9								
		Bottom	12.2	1	27.1	8.0	19.8	7.0	97.8	3.7	3.2								
						2	26.9	8.0	21.8	6.9	98.2	3.5	2.3	7.1	3.4	3.0			
				2	26.9	8.0	21.8	7.0	98.4	3.5	2.6								
				1	26.6	8.0	18.0	6.9	94.6	4.8	2.7								
				2	26.6	8.0	18.0	6.9	94.4	4.9	2.9								
					1	26.2	8.0	21.2	6.2	85.8	7.9	2.4	6.5	7.5	2.3				
			2	26.1	8.0	21.2	6.2	85.7	8.2	2.1									
			1	26.0	8.0	24.4	5.9	83.0	9.6	1.9									
			2	26.0	8.0	24.4	5.9	83.1	9.6	1.7									
					1	27.0	8.0	20.1	6.8	95.8	4.2	4.0	5.9	6.1	3.4				
			2	27.0	8.0	20.1	6.8	95.8	4.2	3.7									
			1	26.9	8.0	20.3	6.7	93.5	7.0	3.5									
			2	26.9	8.0	20.3	6.7	93.3	7.5	3.3									
					1	26.6	8.0	22.1	6.5	91.9	6.8	3.0	6.7	6.1	2.8				
			2	26.6	8.0	22.1	6.5	91.9	7.0	2.9									
			1	27.5	8.0	14.3	7.4	101.6	3.2	3.5									
			2	27.5	8.0	14.3	7.4	101.6	3.2	3.3									
				1	26.7	8.0	19.5	6.5	89.8	4.1	2.6	6.4	6.5	3.4					
		2	26.6	8.0	19.5	6.5	89.7	4.0	2.9										
		1	26.4	8.0	23.3	6.4	89.8	11.0	2.3										
		2	26.4	8.0	23.4	6.4	89.9	10.8	2.1										
				1	26.8	7.9	19.8	6.2	86.2	5.8	2.9	6.2	6.5	3.4					
		2	26.8	7.9	19.9	6.2	85.9	5.9	3.2										
		1	26.6	7.9	21.5	6.0	84.2	7.1	3.8										
		2	26.6	7.9	21.5	6.0	84.3	7.1	3.6										
				1	27.2	8.0	18.2	7.4	102.7	4.9	4.6	6.0	5.2	3.7					
		2	27.2	8.0	18.2	7.4	102.7	4.9	4.1										
		1	27.1	8.0	18.2	7.4	102.4	5.5	2.9										
		2	27.1	8.0	18.2	7.4	102.4	5.5	3.0										
2022-06-01	Mid-Flood	TCE-C1	Cloudy	Moderate	8:14	8.0	Surface	1.0	1	26.1	8.0	19.4	6.7	92.2	8.8	3.4	6.2	9.6	3.8
									2	26.1	8.0	19.5	6.7	91.9	9.1	3.0			
							Middle	4.0	1	25.5	8.0	28.6	5.8	83.3	10.0	3.9			
							Bottom	7.0	1	25.4	8.0	29.4	5.9	85.3	10.7	4.5			
						2	25.4	8.0	29.4	5.9	85.5	10.2	4.3	5.9	4.1	3.2			
				2	26.7	8.0	21.4	6.9	97.3	2.4	3.9								
				1	25.6	8.0	29.7	6.0	87.1	4.4	2.9								
				2	25.6	8.0	29.7	6.0	87.2	4.5	3.2								
						1	25.3	8.0	32.5	6.0	88.2	5.7	2.5	6.0	7.4	3.7			
				2	25.3	8.0	32.5	6.0	88.2	5.6	2.9								
				1	26.6	7.9	17.8	6.8	93.4	5.2	3.4								
				2	26.6	7.9	17.8	6.8	93.2	5.3	3.1								
						1	26.4	7.9	20.8	6.1	84.8	7.0	3.6	5.9	5.4	4.0			
				2	26.4	7.9	20.9	6.1	84.6	7.1	3.8								
				1	26.2	7.9	23.5	5.9	83.1	10.0	4.4								
				2	26.2	7.9	23.5	5.9	83.2	10.1	4.1								
						1	26.7	8.0	20.8	6.6	92.7	3.0	4.7	6.4	6.3	3.2			
				2	26.7	8.0	20.8	6.6	92.7	3.0	4.4								
				1	26.3	8.0	23.6	6.4	90.8	7.2	3.8								
				2	26.3	8.0	23.6	6.4	90.7	7.4	4.1								
						1	25.9	8.0	27.8	6.3	90.3	5.9	3.6	6.5	6.3	4.6			
				2	25.9	8.0	27.8	6.3	90.8	5.9	3.4								
				1	26.9	8.0	18.7	6.9	95.7	2.8	4.2								
				2	26.9	8.0	18.7	6.9	95.6	2.8	3.6								
				1	26.1	8.0	25.7	6.0	85.6	7.8	3.4	6.4	4.4	3.5					
		2	26.1	8.0	25.8	6.0	85.5	7.9	3.1										
		1	25.6	8.0	30.5	5.7	83.2	8.3	2.3										
		2	25.6	8.0	30.5	5.7	83.2	8.3	2.3										
				1	27.0	7.9	18.2	6.6	91.0	4.3	4.1	7.6	3.1	4.6					
		2	27.0	7.9	18.3	6.5	90.8	4.3	4.4										
		1	26.9	7.9	19.8	6.4	89.0	4.6	4.8										
		2	27.0	7.9	19.8	6.4	89.1	4.6	5.1										
				1	27.3	8.0	17.7	7.6	105.4	2.9	3.8	6.4	4.4	3.5					
		2	27.3	8.0	17.8	7.6	105.3	2.9	3.5										
		1	27.2	8.0	18.2	7.1	98.9	3.3	3.1										
		2	27.3	8.0	18.2	7.1	98.7	3.5	3.4										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-06-03	Mid-Ebb	TCE-C1	Cloudy	Moderate	13:44	7.3	Surface	1.0	1	25.8	8.0	10.0	7.0	90.5	4.5	2.4	6.2	7.8	2.6
									2	25.8	8.0	10.1	6.9	90.0	4.4	2.1			
							Middle	3.7	1	25.3	8.0	27.3	5.5	77.6	7.9	2.4			
							Bottom	6.3	1	25.1	7.9	31.7	5.3	77.3	11.1	3.1			
				2	25.1	7.9	31.7	5.3	77.4	10.9	2.9	5.3							
				2	26.8	8.0	18.4	6.5	89.5	2.2	2.5								
		Middle	6.3	1	26.0	7.9	21.1	6.3	87.0	4.6	2.4								
		Bottom	11.6	1	25.7	7.9	21.1	6.2	86.1	4.6	2.4								
				2	25.7	7.9	29.4	5.5	80.3	6.2	2.2	5.5							
				2	25.8	7.9	29.3	5.6	80.3	6.3	2.1								
		Surface	1.0	1	26.8	8.0	17.1	7.1	97.3	4.8	1.8								
				2	26.8	8.0	17.2	7.0	96.8	4.7	1.8								
			1	26.6	8.0	19.2	6.3	88.3	5.7	2.5	6.7	5.7	2.3						
	Middle	4.0	1	26.6	8.0	20.5	6.3	88.0	5.8	2.2									
	Bottom	7.0	1	26.6	8.0	20.5	6.3	88.4	6.7	2.6									
			2	26.7	8.0	20.4	6.4	89.0	6.7	3.0									
			1	26.9	8.0	18.4	6.6	91.0	2.5	3.1	6.5	5.8	3.7						
			2	26.9	8.0	18.4	6.6	91.0	2.5	3.4									
	Middle	3.8	1	26.2	8.0	20.3	6.5	89.4	6.6	3.6									
	Bottom	6.6	1	26.0	8.0	20.4	6.4	89.0	6.6	3.8									
			2	26.1	8.0	29.9	5.7	82.9	8.3	4.1	5.7								
			2	26.1	8.0	29.8	5.7	83.4	8.4	4.3									
	Surface	1.0	1	27.0	8.0	17.3	6.7	92.2	2.6	3.4									
			2	27.0	8.0	17.4	6.7	92.2	2.5	3.5									
		1	26.2	8.0	19.1	6.6	90.7	4.1	3.0	6.6	4.6	2.9							
Middle	3.9	1	26.2	8.0	19.1	6.6	90.7	4.1	3.0										
Bottom	6.7	1	26.4	8.0	29.0	5.9	86.1	7.2	2.3										
		2	26.5	8.0	28.7	6.0	87.2	7.2	2.5										
		1	26.9	7.9	18.1	6.4	88.4	4.6	2.1	6.4	5.6	3.0							
		2	26.9	7.9	18.1	6.4	88.2	4.7	2.3										
Bottom	3.5	1	26.9	7.9	18.2	6.0	83.7	6.6	4.0										
		2	26.8	7.9	18.1	6.0	83.3	6.6	3.6										
		1	27.1	8.0	16.8	7.7	105.9	4.1	2.2	7.6	5.2	1.9							
		2	27.1	8.0	16.8	7.6	104.8	4.1	2.2										
Bottom	3.2	1	27.6	8.0	18.4	7.2	101.8	6.3	1.4										
		2	27.7	8.0	18.3	7.4	103.9	6.2	1.6										
2022-06-03	Mid-Flood	TCE-C1	Cloudy	Moderate	9:38	7.5	Surface	1.0	1	25.7	8.0	10.1	7.0	90.5	5.6	1.6	6.2	9.2	2.1
									2	25.6	8.0	10.1	6.9	89.9	5.4	1.8			
							Middle	3.8	1	25.2	8.0	31.1	5.4	77.5	9.0	2.4			
							Bottom	6.5	1	25.1	8.0	31.8	5.4	78.2	13.0	2.4			
				2	25.1	8.0	31.8	5.4	78.5	13.0	2.6	5.4							
				2	26.2	7.9	18.7	6.6	90.6	2.6	2.5								
		Middle	6.5	1	25.5	7.9	30.9	5.7	82.3	5.0	1.8								
		Bottom	12.0	1	25.4	7.9	31.1	5.7	82.2	5.1	1.6								
				2	25.4	7.9	31.6	5.7	82.8	6.7	1.1	5.7							
				2	25.4	7.9	31.6	5.7	82.8	6.7	1.1								
		Surface	1.0	1	27.0	7.9	17.7	7.1	97.7	2.7	3.5								
				2	27.0	7.9	17.7	7.0	97.6	2.7	3.4								
				1	26.7	7.9	18.2	6.6	91.8	6.6	3.0	6.8	6.6	2.9					
		Middle	4.2	1	26.7	7.9	18.2	6.6	91.2	6.6	2.9								
		Bottom	7.3	1	26.3	7.9	22.3	6.2	87.8	10.4	2.5								
				2	26.3	7.9	22.3	6.2	87.9	10.4	2.3								
				1	26.8	7.9	17.9	6.5	89.0	2.4	2.2	6.4	6.3	2.5					
				2	26.8	7.9	17.9	6.5	89.0	2.4	2.2								
		Middle	4.1	1	26.6	7.9	19.6	6.3	87.5	6.0	2.4								
		Bottom	7.1	1	26.6	7.9	19.6	6.3	87.3	6.1	2.6								
				2	26.5	7.9	22.0	5.9	82.7	10.5	2.8	5.9							
				2	26.5	7.9	22.0	5.9	83.2	10.4	3.0								
		Surface	1.0	1	26.7	7.9	17.5	6.4	88.6	3.4	1.5								
				2	26.7	7.9	17.4	6.4	88.5	3.5	1.3								
		1	26.4	7.9	20.4	6.3	87.9	6.2	2.4	6.4	5.8	2.1							
Middle	4.2	1	26.4	7.9	20.4	6.3	87.9	6.2	2.4										
Bottom	7.4	1	26.3	7.9	20.4	6.3	87.9	6.3	2.2										
		2	26.3	7.9	27.0	5.8	83.5	7.6	2.6										
		2	26.3	7.9	27.0	5.8	83.7	7.7	2.8	5.8									
		2	26.3	7.9	27.0	5.8	83.7	7.7	2.8										
Surface	1.0	1	27.0	7.9	15.1	6.8	92.3	3.1	1.6										
		2	27.0	7.9	15.1	6.8	92.3	3.2	1.5										
		1	26.8	7.9	17.3	6.1	84.2	8.0	1.8	6.1	5.6	1.7							
Bottom	3.8	1	26.8	7.9	17.3	6.1	84.2	8.0	1.8										
		2	26.9	7.9	17.2	6.1	83.7	7.9	1.8										
		2	26.9	7.9	17.2	6.1	83.7	7.9	1.8										
		1	27.0	7.9	16.6	6.7	92.1	3.3	2.4	6.7	4.8	2.9							
		2	27.0	7.9	16.7	6.7	92.2	3.5	2.7										
Bottom	3.4	1	27.0	7.9	17.2	6.7	93.0	6.2	3.0										
		2	27.0	7.9	17.1	6.8	93.2	6.2	3.3										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-06-06	Mid-Ebb	TCE-C1	Cloudy	Moderate	15:50	8.3	Surface	1.0	1	26.5	8.1	8.0	7.2	94.1	3.4	3.5	6.4	3.0	4.2
									2	26.5	8.1	8.0	7.2	93.7	3.4	3.8			
							Middle	4.2	1	26.0	8.0	21.4	5.6	78.3	2.8	4.3			
							Bottom	7.3	1	25.1	8.0	28.5	5.3	74.8	2.7	4.9			
				2	25.1	8.0	28.5	5.3	75.1	2.7	4.7								
		TCE-C2	Rainy	Moderate	17:50	14.7	Surface	1.0	1	27.4	8.2	11.4	7.9	106.1	0.9	1.8	6.7	1.8	2.2
									2	27.4	8.2	11.4	7.8	105.9	0.9	1.9			
							Middle	7.4	1	26.0	8.0	22.3	5.7	79.1	1.6	2.3			
							Bottom	13.7	1	26.0	8.0	22.2	5.7	79.1	1.8	2.1			
				2	25.9	7.9	26.5	5.2	73.6	2.9	2.5								
				2	26.0	7.9	26.5	5.2	74.0	2.9	2.8								
		TCE-WQM1	Cloudy	Moderate	16:36	8.5	Surface	1.0	1	27.2	8.1	13.0	7.7	104.6	3.1	3.5	6.6	7.4	4.1
								2	27.2	8.1	13.0	7.7	104.4	3.1	3.7				
	Middle						4.3	1	26.5	7.9	18.4	5.4	74.3	5.3	4.2				
	Bottom						7.5	1	25.8	7.8	22.5	4.2	58.6	13.8	4.4				
			2	25.8	7.8	22.5	4.2	58.7	13.8	4.5									
	TCE-WQM2a	Cloudy	Moderate	17:14	7.3	Surface	1.0	1	27.3	8.1	12.4	8.0	108.6	2.0	1.7	7.9	5.7	2.2	
								2	27.3	8.1	12.4	8.0	108.6	2.0	1.6				
						Middle	3.7	1	27.2	8.1	14.0	7.8	106.4	2.1	2.1				
						Bottom	6.3	1	26.4	7.9	19.8	5.7	79.0	12.9	2.6				
			2	26.4	7.9	19.8	5.7	79.0	13.0	2.9									
	TCE-WQM2b	Cloudy	Moderate	17:26	11.0	Surface	1.0	1	27.3	8.1	11.0	7.4	99.5	1.6	1.6	7.0	3.6	2.3	
								2	27.3	8.1	11.0	7.4	99.4	1.6	1.8				
						Middle	5.5	1	26.9	8.0	13.7	6.5	88.2	2.7	2.4				
Bottom						10.0	1	25.5	7.9	26.1	5.0	70.3	6.4	2.6					
		2	25.5	7.9	27.6	4.9	70.5	6.3	3.0										
TCE-WQM3A	Cloudy	Moderate	17:04	4.0	Surface	1.0	1	27.2	8.0	13.2	7.0	95.3	4.0	2.1	7.0	4.8	2.0		
							2	27.2	8.0	13.2	7.0	95.1	4.1	2.4					
					Bottom	3.0	1	27.1	7.9	13.9	6.4	86.8	5.5	1.7					
		2	27.1	7.9	13.9	6.3	86.1	5.6	1.9										
TCE-WQM4	Cloudy	Moderate	16:48	3.8	Surface	1.0	1	27.4	8.2	13.0	8.5	115.5	2.0	1.9	8.4	2.1	2.1		
							2	27.4	8.2	13.0	8.4	115.1	2.1	1.7					
					Bottom	2.8	1	27.3	8.2	13.1	8.3	112.9	2.1	2.6					
		2	27.3	8.2	13.1	8.3	112.7	2.2	2.2										
2022-06-06	Mid-Flood	TCE-C1	Cloudy	Moderate	6:44	8.8	Surface	1.0	1	26.4	8.1	7.9	7.3	94.5	3.6	3.5	6.4	5.1	3.8
									2	26.4	8.1	7.9	7.3	94.2	3.6	3.2			
							Middle	4.4	1	26.3	8.0	25.1	5.5	78.9	2.9	4.0			
							Bottom	7.8	1	24.8	8.0	24.7	5.5	78.9	3.0	3.8			
				2	24.8	8.0	30.5	5.1	73.1	8.7	4.4								
				2	24.8	8.0	30.5	5.1	73.6	9.0	4.1								
		TCE-C2	Cloudy	Moderate	4:33	14.3	Surface	1.0	1	27.1	8.0	12.1	7.2	97.4	1.3	3.0	6.4	3.2	2.3
									2	27.0	8.0	12.1	7.2	97.1	1.4	2.7			
							Middle	7.2	1	26.3	7.9	20.4	5.6	77.9	3.0	2.4			
							Bottom	13.3	1	25.1	7.8	28.7	5.1	73.0	5.3	1.9			
				2	25.1	7.8	28.7	5.1	73.1	5.1	1.7								
		TCE-WQM1	Cloudy	Moderate	5:50	8.5	Surface	1.0	1	27.0	8.2	13.4	7.9	106.1	4.1	2.5	7.0	6.3	3.4
								2	27.0	8.2	13.4	7.9	106.1	4.1	2.8				
	Middle						4.3	1	26.3	8.0	17.0	6.1	83.6	6.7	3.2				
	Bottom						7.5	1	26.2	8.0	17.1	6.1	82.9	7.0	3.6				
			2	26.0	7.8	21.6	5.1	71.1	8.3	4.4									
			2	26.0	7.8	21.6	5.1	71.6	8.0	4.1									
	TCE-WQM2a	Cloudy	Moderate	5:16	7.3	Surface	1.0	1	27.2	8.1	13.1	7.3	99.6	1.1	3.3	6.8	3.4	2.6	
								2	27.2	8.1	13.1	7.3	99.6	1.1	3.0				
						Middle	3.7	1	26.4	7.9	16.7	6.2	85.1	1.6	2.7				
						Bottom	6.3	1	26.3	7.9	16.8	6.2	84.9	1.8	2.4				
			2	25.7	7.9	25.9	5.1	71.7	7.3	2.3									
			2	25.7	7.9	25.8	5.1	72.2	7.4	2.1									
	TCE-WQM2b	Cloudy	Moderate	5:04	12.1	Surface	1.0	1	27.4	8.0	11.8	7.3	99.1	0.9	2.8	6.4	3.0	2.2	
							2	27.4	8.0	11.8	7.3	99.1	0.9	2.5					
Middle						6.1	1	26.2	7.9	20.9	5.5	75.8	3.2	2.4					
Bottom						11.1	1	26.1	7.9	20.9	5.4	75.5	3.4	2.2					
		2	25.1	7.9	29.1	5.0	71.8	5.0	1.8										
		2	25.1	7.9	29.1	5.1	72.9	4.4	1.6										
TCE-WQM3A	Cloudy	Moderate	5:27	4.2	Surface	1.0	1	27.2	8.0	13.1	6.8	92.4	3.2	2.1	6.8	4.4	2.5		
							2	27.2	8.0	13.2	6.8	92.3	3.3	2.4					
					Bottom	3.2	1	27.1	7.9	14.0	6.7	90.9	5.4	2.8					
		2	27.1	7.9	14.0	6.7	91.1	5.6	2.6										
TCE-WQM4	Cloudy	Moderate	5:38	3.6	Surface	1.0	1	27.4	8.2	12.8	8.3	113.3	1.4	3.2	8.3	1.6	2.9		
							2	27.4	8.2	12.8	8.3	113.3	1.4	3.0					
					Bottom	2.6	1	27.4	8.2	13.3	8.4	114.6	1.8	2.8					
		2	27.4	8.2	13.3	8.4	114.7	1.8	2.7										

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)		
2022-06-10	Mid-Ebb	TCE-C1	Rainy	Rough	11:22	7.2	Surface	1.0	1	26.2	8.0	4.3	7.9	100.1	6.1	6.6	7.5	7.1	7.2		
									2	26.2	8.0	4.4	7.9	99.9	6.2	6.8					
							Middle	3.6	1	25.9	8.0	6.0	7.1	90.1	7.2	7.3					
							Bottom	6.2	1	25.8	7.8	22.4	5.2	71.7	8.0	7.8					
				2	25.8	7.8	22.5	5.2	71.8	8.1	7.4	5.2									
		TCE-C2	Cloudy	Moderate	9:13	13.2	Surface	1.0	1	26.4	7.9	9.2	7.2	93.4	1.1	4.7	6.7	1.8	4.2		
									2	26.4	7.9	9.2	7.1	93.3	1.1	4.4					
							Middle	6.6	1	26.1	7.8	17.3	6.4	86.5	1.7	4.3					
							Bottom	12.2	1	25.9	7.7	30.5	5.5	80.6	2.8	3.9					
				2	25.9	7.7	30.4	5.6	81.5	2.8	3.7	5.6									
		TCE-WQM1	Rainy	Moderate	10:25	6.2	Surface	1.0	1	26.4	7.9	11.5	6.6	87.6	6.0	3.6	6.1	7.3	4.1		
									2	26.4	7.9	11.5	6.6	87.3	6.0	3.8					
							Middle	3.1	1	26.1	7.9	15.5	5.5	74.2	7.1	4.3					
							Bottom	5.2	1	25.8	7.8	23.7	4.4	62.0	8.9	4.6					
				2	25.8	7.8	23.7	4.4	62.2	8.9	4.4	4.4									
		TCE-WQM2a	Cloudy	Moderate	9:52	7.4	Surface	1.0	1	26.4	7.9	12.0	6.9	91.4	1.2	3.4	6.5	2.2	3.9		
									2	26.4	7.9	12.0	6.9	91.4	1.2	3.6					
							Middle	3.7	1	26.0	7.9	19.5	6.1	83.6	2.2	4.0					
							Bottom	6.4	1	25.8	7.8	26.8	5.8	83.0	3.1	4.2					
				2	25.7	7.8	26.8	5.9	83.6	3.1	4.4	5.8									
		TCE-WQM2b	Cloudy	Moderate	9:41	10.0	Surface	1.0	1	26.3	8.0	5.2	7.0	89.3	4.2	4.2	6.2	5.3	4.9		
									2	26.2	8.0	5.2	7.0	88.6	4.2	4.4					
							Middle	5.0	1	25.9	7.9	20.6	5.5	75.2	5.6	5.0					
							Bottom	9.0	1	25.9	7.9	31.0	5.3	77.8	6.2	5.4					
				2	25.9	7.9	31.0	5.4	78.4	6.3	5.8	5.3									
		TCE-WQM3A	Cloudy	Moderate	10:03	4.4	Surface	1.0	1	26.4	7.9	9.4	7.0	91.7	5.9	6.7	6.9	6.0	6.1		
									2	26.4	7.9	9.4	6.7	87.9	5.8	6.4					
							Bottom	3.4	1	25.9	7.8	19.2	5.9	80.3	6.1	5.8					
				2	25.9	7.8	19.1	5.9	81.1	6.2	5.6	5.9									
		TCE-WQM4	Cloudy	Moderate	10:12	4.4	Surface	1.0	1	26.4	7.9	11.1	6.9	91.6	7.0	4.5	6.9	7.7	4.0		
									2	26.3	7.9	11.1	6.9	91.5	7.1	4.4					
							Bottom	3.4	1	26.0	7.8	15.6	7.0	94.5	8.3	3.4					
				2	25.9	7.7	16.3	7.0	94.8	8.3	3.8	7.0									
		2022-06-10	Mid-Flood	TCE-C1	Rainy	Rough	14:11	7.4	Surface	1.0	1	26.3	7.9	5.5	7.5	95.8	4.1	4.7	7.1	5.3	5.4
											2	26.3	7.9	5.5	7.5	95.7	4.2	4.8			
									Middle	3.7	1	26.1	7.9	9.6	6.8	87.8	5.3	5.1			
									Bottom	6.4	1	26.0	7.8	21.4	5.4	75.1	6.5	5.9			
						2	25.9	7.8	21.4	5.4	75.5	6.5	6.3	5.4							
				TCE-C2	Rainy	Moderate	16:19	14.8	Surface	1.0	1	25.8	8.0	12.6	6.6	86.7	3.8	3.4	5.9	4.3	4.2
											2	25.8	8.0	12.6	6.4	84.7	3.7	3.8			
									Middle	7.4	1	25.4	7.9	30.8	5.3	76.4	4.2	4.0			
									Bottom	13.8	1	25.6	7.9	32.4	5.4	78.8	5.1	4.8			
						2	25.7	7.9	32.4	5.4	79.4	5.0	4.9	5.4							
				TCE-WQM1	Rainy	Moderate	15:09	6.8	Surface	1.0	1	26.6	7.9	10.6	7.1	94.3	5.1	4.1	6.9	6.2	3.5
											2	26.6	7.9	10.6	7.1	94.3	5.1	3.8			
									Middle	3.4	1	26.5	7.9	12.5	6.6	88.0	6.4	3.6			
									Bottom	5.8	1	26.4	7.9	12.6	6.6	87.4	6.5	3.4			
						2	26.5	7.9	16.6	6.1	83.0	7.1	2.8	6.1							
				2	26.5	7.9	16.4	6.1	83.7	7.2	3.0										
TCE-WQM2a	Rainy			Moderate	15:42	6.2	Surface	1.0	1	26.6	8.0	10.2	7.5	99.0	4.4	4.5	7.4	5.4	4.0		
									2	26.6	8.0	10.2	7.5	99.0	4.4	4.9					
							Middle	3.1	1	26.4	8.0	10.2	7.4	96.6	5.7	4.0					
							Bottom	5.2	1	26.4	8.0	10.2	7.3	95.9	5.8	3.8					
				2	26.3	7.8	19.8	5.8	79.9	6.1	3.5	5.8									
				2	26.3	7.8	19.8	5.8	79.8	6.1	3.5										
TCE-WQM2b	Rainy			Moderate	15:53	11.0	Surface	1.0	1	26.4	7.9	7.3	7.2	93.1	5.0	2.9	6.8	6.4	3.7		
									2	26.4	7.9	7.3	7.2	93.0	5.1	3.2					
							Middle	5.5	1	26.1	7.9	12.1	6.5	85.9	6.8	3.5					
							Bottom	10.0	1	26.1	7.9	12.1	6.5	85.3	6.8	3.8					
				2	26.2	7.8	27.3	5.8	84.0	7.4	4.5	5.8									
TCE-WQM3A	Rainy			Moderate	15:33	4.2	Surface	1.0	1	26.4	7.9	12.0	6.7	89.0	7.2	4.3	6.7	7.7	4.6		
									2	26.4	7.9	12.0	6.7	88.6	7.1	4.5					
							Bottom	3.2	1	26.5	7.8	17.9	6.3	86.9	8.2	4.7					
				2	26.5	7.8	17.6	6.4	89.1	8.3	4.9	6.4									
TCE-WQM4	Rainy			Moderate	15:21	3.6	Surface	1.0	1	26.5	7.9	12.1	6.8	90.7	6.1	3.2	6.8	6.6	3.9		
									2	26.5	7.9	12.2	6.8	90.6	6.1	3.5					
							Bottom	2.6	1	26.6	7.9	13.9	6.7	90.7	7.1	4.3					
				2	26.6	7.9	13.9	6.7	90.9	7.2	4.6	6.7									

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-06-13	Mid-Ebb	TCE-C1	Cloudy	Rough	11:07	8.2	Surface	1.0	1	26.2	7.9	12.2	6.3	83.8	4.9	3.0	5.9	7.5	3.7
									2	26.2	7.9	12.2	6.3	83.8	4.9	3.3			
							Middle	4.1	1	25.7	7.9	15.2	5.6	74.1	5.7	3.6			
							Bottom	7.2	1	24.8	7.9	28.3	3.8	53.3	11.8	4.2			
				2	24.8	7.9	28.2	3.8	53.4	11.8	4.0								
		TCE-C2	Cloudy	Rough	12:44	14.5	Surface	1.0	1	26.2	7.9	13.5	6.0	80.6	2.1	2.4	5.9	2.3	3.2
									2	26.2	7.9	13.5	6.0	80.6	2.1	2.5			
							Middle	7.3	1	26.1	7.9	14.7	5.9	78.4	2.4	3.2			
							Bottom	13.5	1	25.9	7.9	14.7	5.9	78.4	2.4	3.5			
				2	25.9	7.9	16.1	5.6	76.0	2.5	4.0								
		TCE-WQM1	Cloudy	Moderate	11:40	10.6	Surface	1.0	1	26.1	7.9	13.2	6.2	81.8	4.2	3.6	6.0	5.6	4.6
									2	26.1	7.9	13.2	6.2	81.9	4.2	3.8			
	Middle						5.3	1	26.0	7.9	13.7	5.8	77.5	4.4	4.4				
	Bottom						9.6	1	25.3	7.9	20.9	4.7	64.7	8.3	5.5				
			2	25.3	7.9	20.9	4.7	64.9	8.2	5.2									
	TCE-WQM2a	Cloudy	Rough	12:11	8.2	Surface	1.0	1	26.3	7.9	16.5	5.8	78.5	3.2	3.0	5.7	3.0	3.6	
								2	26.3	7.9	16.5	5.8	78.5	3.2	3.1				
						Middle	4.1	1	26.0	7.9	17.3	5.6	75.9	2.1	3.6				
						Bottom	7.2	1	25.8	7.9	17.2	5.6	76.0	2.1	3.3				
			2	25.8	7.9	18.8	5.7	77.9	3.9	4.0									
	TCE-WQM2b	Cloudy	Rough	12:23	10.6	Surface	1.0	1	26.3	7.9	12.8	6.2	82.2	3.6	4.5	6.1	4.7	3.9	
								2	26.3	7.9	12.8	6.2	82.1	3.7	4.4				
						Middle	5.3	1	26.2	7.9	13.3	6.0	79.7	3.9	3.8				
						Bottom	9.6	1	25.9	7.9	13.3	6.0	79.7	3.9	4.1				
		2	25.9	7.9	16.5	5.5	74.8	6.6	3.4										
TCE-WQM3A	Cloudy	Moderate	12:01	5.8	Surface	1.0	1	26.0	7.9	15.6	5.3	71.2	4.9	4.4	5.3	5.3	4.8		
							2	26.0	7.9	15.6	5.3	71.1	4.8	4.3					
					Bottom	4.8	1	25.5	7.9	21.8	4.9	67.3	5.8	5.0					
							2	25.5	7.9	21.8	4.9	67.4	5.9	5.5					
TCE-WQM4	Cloudy	Moderate	11:51	5.2	Surface	1.0	1	26.2	7.9	13.7	6.1	80.9	4.5	3.6	6.1	4.7	3.8		
							2	26.2	7.9	13.7	6.1	80.9	4.5	3.3					
					Bottom	4.2	1	26.1	7.9	14.0	6.0	79.6	4.8	4.0					
							2	26.1	7.9	14.1	6.0	79.5	4.8	4.4					
2022-06-13	Mid-Flood	TCE-C1	Fine	Rough	6:02	7.6	Surface	1.0	1	25.6	7.9	18.5	6.1	84.0	5.6	3.9	5.7	7.8	4.5
									2	25.6	7.9	18.5	6.1	83.8	5.6	3.5			
							Middle	3.8	1	25.0	7.9	25.3	5.2	71.6	7.4	4.4			
							Bottom	6.6	1	24.6	7.9	25.3	5.2	72.0	7.4	4.7			
				2	24.6	7.9	30.0	4.2	60.7	10.5	5.3								
		TCE-C2	Fine	Rough	3:49	13.8	Surface	1.0	1	25.9	7.9	14.5	5.8	77.8	1.8	3.2	5.7	1.3	3.5
									2	25.9	7.9	14.5	5.8	77.8	1.8	2.9			
							Middle	6.9	1	25.7	7.9	18.0	5.6	75.8	1.1	3.6			
							Bottom	12.8	1	25.3	7.9	23.1	5.0	69.4	1.1	3.8			
				2	25.3	7.9	23.1	5.0	69.5	1.1	4.1								
		TCE-WQM1	Fine	Moderate	5:13	9.9	Surface	1.0	1	26.2	7.9	20.4	6.1	83.9	3.6	5.8	6.1	3.7	6.5
									2	26.1	7.9	20.4	6.1	83.8	3.6	6.0			
	Middle						5.0	1	26.1	7.9	11.9	6.2	81.5	3.6	6.6				
	Bottom						8.9	1	24.6	7.9	30.0	3.5	50.3	3.9	7.1				
			2	24.6	7.9	30.0	3.5	50.3	3.9	7.3									
	TCE-WQM2a	Fine	Moderate	4:34	6.9	Surface	1.0	1	26.0	7.9	16.7	5.6	75.3	2.5	4.8	5.5	2.1	5.3	
								2	26.0	7.9	16.7	5.6	75.3	2.5	4.4				
						Middle	3.5	1	25.9	7.9	17.0	5.4	73.0	2.4	5.0				
						Bottom	5.9	1	25.2	7.9	17.1	5.4	72.9	2.4	5.4				
			2	25.2	7.9	25.6	4.8	67.4	1.3	6.3									
	TCE-WQM2b	Fine	Rough	4:22	10.2	Surface	1.0	1	26.1	7.9	11.7	6.2	82.3	3.1	4.6	6.2	4.9	4.3	
								2	26.1	7.9	11.7	6.2	82.4	3.1	4.9				
						Middle	5.1	1	26.1	7.9	12.6	6.2	82.5	2.5	4.1				
						Bottom	9.2	1	25.3	7.8	22.0	4.3	59.7	9.2	3.9				
		2	25.3	7.8	22.0	4.3	59.8	9.2	3.6										
TCE-WQM3A	Fine	Moderate	4:47	4.9	Surface	1.0	1	26.3	7.9	12.8	6.1	81.7	2.6	3.8	6.1	5.9	4.2		
							2	26.3	7.9	12.8	6.1	81.7	2.6	3.5					
					Bottom	3.9	1	26.1	7.9	13.8	5.9	78.5	9.3	4.6					
							2	26.1	7.9	13.8	5.9	78.7	9.3	5.0					
TCE-WQM4	Fine	Moderate	5:00	4.2	Surface	1.0	1	25.9	7.9	13.5	5.9	77.8	5.4	3.1	5.9	6.9	3.7		
							2	25.9	7.9	13.5	5.9	77.8	5.3	3.4					
					Bottom	3.2	1	25.7	7.9	16.5	5.1	68.6	8.4	4.4					
							2	25.7	7.9	16.6	5.1	68.4	8.4	4.0					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-06-15	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:56	8.5	Surface	1.0	1	26.8	7.8	11.9	6.5	86.1	5.8	2.9	5.4	8.8	3.2
									2	26.8	7.8	11.9	6.4	86.1	5.8	3.2			
							Middle	4.3	1	25.4	7.9	26.1	4.4	61.9	8.7	3.6			
							Bottom	7.5	1	25.3	7.9	26.0	4.4	61.9	8.7	3.7			
				2	25.0	7.9	32.1	4.0	58.3	12.0	3.2	4.0							
				2	25.0	7.8	32.1	4.0	58.4	12.0	2.8								
		Surface	1.0	1	26.6	7.8	12.9	6.4	85.1	5.9	3.3				6.1	7.9	3.8		
				2	26.5	7.8	13.0	6.3	84.9	5.9	3.5								
		Middle	6.8	1	26.1	7.9	15.3	5.9	79.2	7.5	3.7								
		Bottom	12.6	1	26.1	7.9	15.3	5.9	79.3	7.9	4.0								
				2	25.8	7.8	23.3	5.4	75.6	10.3	3.9	5.4							
				2	25.8	7.8	23.3	5.4	75.8	9.9	4.2								
	Surface	1.0	1	26.5	7.8	13.2	6.2	82.7	6.9	2.7	5.6				10.2	3.3			
			2	26.4	7.9	13.2	6.2	82.6	6.3	2.9									
	Middle	4.1	1	25.6	7.8	19.3	5.1	69.0	10.4	3.4									
	Bottom	7.1	1	25.6	7.8	19.3	5.0	68.8	10.3	3.0									
			2	25.4	7.8	26.5	4.3	61.1	13.2	3.6	4.3								
			2	25.4	7.8	26.4	4.3	61.2	13.8	3.9									
	Surface	1.0	1	26.5	7.9	15.0	6.2	83.5	5.4	4.2				6.1	6.1	4.7			
			2	26.5	7.9	15.0	6.2	83.5	5.4	4.3									
	Middle	3.6	1	26.2	7.9	17.0	6.0	81.6	5.5	4.5									
	Bottom	6.2	1	26.2	7.9	17.0	6.0	81.6	5.5	4.8									
			2	25.9	7.9	19.8	5.7	78.0	7.3	5.0	5.7								
			2	25.9	7.9	19.8	5.7	77.9	7.3	5.4									
Surface	1.0	1	26.5	7.8	10.9	6.2	81.4	6.0	4.7	6.0				8.7	4.3				
		2	26.4	7.8	11.0	6.1	81.0	6.2	5.0										
Middle	5.6	1	26.2	7.8	14.4	5.9	79.0	8.6	4.2										
Bottom	10.2	1	26.2	7.8	14.5	5.9	79.0	9.1	4.5										
		2	26.2	7.8	15.2	5.9	79.3	11.2	3.9	5.9									
		2	26.2	7.8	15.2	5.9	79.4	11.4	3.7										
Surface	1.0	1	26.3	7.9	14.6	5.9	79.9	9.4	3.1				5.9	11.6	3.8				
		2	26.3	7.9	14.7	5.9	79.8	9.8	3.5										
Bottom	3.1	1	26.0	7.8	21.5	5.3	73.8	13.9	4.4										
		2	26.0	7.8	21.5	5.5	76.9	13.4	4.3										
		2	26.4	7.8	13.0	6.4	84.9	7.2	3.0	6.4	9.2	2.9							
		2	26.4	7.8	13.0	6.3	84.6	7.7	3.2										
Bottom	2.7	1	26.2	7.8	13.9	6.2	83.1	11.0	2.6										
		2	26.2	7.8	13.9	6.2	83.2	11.0	2.8										
2022-06-15	Mid-Flood	TCE-C1	Cloudy	Moderate	7:33	8.5	Surface	1.0	1	26.8	7.9	12.0	6.4	85.2	6.5	10.6	5.4	8.9	8.7
									2	26.8	7.9	12.0	6.4	84.9	6.7	10.4			
							Middle	4.3	1	25.2	7.8	25.1	4.4	62.0	9.5	9.2			
							Bottom	7.5	1	25.2	7.8	25.1	4.4	61.8	9.5	8.8			
				2	25.0	7.8	32.0	4.2	61.1	10.9	6.8	4.2							
				2	25.0	7.8	32.0	4.2	61.2	10.1	6.3								
		Surface	1.0	1	25.9	7.9	17.7	5.7	77.8	3.6	3.2				5.3	5.1	2.8		
				2	25.9	7.9	17.7	5.7	77.7	3.6	3.2								
		Middle	6.7	1	25.3	7.9	26.7	4.8	68.5	4.7	2.7								
		Bottom	12.3	1	25.3	7.9	26.7	4.8	68.5	4.8	2.9								
				2	25.0	7.9	32.1	4.4	64.2	6.7	2.5	4.4							
				2	25.0	7.9	32.2	4.4	64.3	6.9	2.2								
	Surface	1.0	1	26.1	7.8	14.0	5.7	76.5	11.5	4.8	5.6				12.8	6.3			
			2	26.1	7.8	14.0	5.7	76.4	11.8	5.0									
	Middle	4.1	1	25.9	7.8	15.3	5.5	73.9	12.7	5.9									
	Bottom	7.2	1	25.9	7.8	15.2	5.5	73.8	12.6	6.3									
			2	25.7	7.8	21.0	4.9	67.0	14.1	7.6	4.9								
			2	25.7	7.8	21.1	4.9	67.1	14.0	8.0									
	Surface	1.0	1	26.2	7.9	15.2	5.9	80.0	5.7	3.3				5.5	8.4	4.1			
			2	26.2	7.9	15.2	5.9	80.0	5.7	3.6									
	Middle	3.8	1	25.5	7.9	25.5	5.1	71.7	7.3	4.2									
	Bottom	6.6	1	25.5	7.9	25.5	5.1	71.9	7.8	3.9									
			2	25.5	7.9	27.4	5.1	72.4	11.9	4.8	5.1								
			2	25.5	7.9	27.4	5.1	72.6	11.8	4.6									
Surface	1.0	1	26.3	7.8	15.2	6.0	81.4	4.4	2.9	5.8				7.0	3.2				
		2	26.3	7.8	15.2	6.0	81.5	4.5	2.5										
Middle	5.2	1	26.1	7.9	18.6	5.6	76.5	5.1	3.4										
Bottom	9.4	1	26.1	7.9	18.8	5.6	76.5	5.1	3.0										
		2	25.5	7.9	25.9	4.9	68.7	11.4	3.6	4.9									
		2	25.4	7.9	26.3	4.9	68.8	11.6	3.9										
Surface	1.0	1	26.3	7.8	12.4	6.1	80.5	8.3	3.1				6.1	10.1	3.4				
		2	26.2	7.8	12.3	6.1	80.4	8.5	2.8										
Bottom	3.7	1	26.2	7.8	13.2	6.0	80.0	11.8	3.7										
		2	26.2	7.8	13.2	6.0	80.0	11.8	3.9										
		2	26.3	7.8	12.6	6.4	85.0	6.1	4.3	6.4	6.7	4.5							
		2	26.3	7.8	12.7	6.4	85.0	6.1	4.2										
Bottom	2.9	1	26.2	7.8	12.9	6.4	85.0	7.3	4.6										
		2	26.2	7.8	12.9	6.4	85.0	7.4	5.0										

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)
2022-06-17	Mid-Ebb	TCE-C1	Fine	Moderate	13:36	8.8	Surface	1.0	1	25.7	7.9	8.5	6.1	78.7	6.9	5.0	5.2	8.6	5.5
									2	25.6	7.9	8.5	6.1	78.3	7.0	4.6			
							Middle	4.4	1	25.2	7.9	28.4	4.3	61.0	8.6	5.4			
							Bottom	7.8	1	25.1	7.8	31.6	4.1	59.7	10.3	6.1			
				2	25.1	7.8	31.6	4.1	59.8	10.4	6.4	4.1							
				2	26.6	7.7	8.9	6.0	78.7	6.3	4.6								
		Middle	6.8	1	26.1	7.8	13.2	5.5	72.8	7.9	4.2								
		Bottom	12.6	1	26.1	7.8	13.2	5.5	72.8	7.9	4.3								
				2	25.9	7.8	16.7	5.3	71.5	8.7	3.5	5.3							
				2	25.8	7.8	16.7	5.3	71.2	8.7	3.3								
		Surface	1.0	1	26.2	7.7	10.3	5.9	77.5	10.3	6.0								
				2	26.2	7.7	10.3	5.9	77.3	10.2	6.2								
			1	26.2	7.7	11.8	5.6	73.9	13.4	6.4	5.8								
			2	26.2	7.7	11.8	5.6	73.8	13.5	6.7									
	Bottom	7.1	1	26.2	7.6	13.3	5.5	72.8	14.8	7.2									
			2	26.2	7.6	13.3	5.5	72.9	14.8	7.0									
			1	26.3	7.8	12.4	5.4	72.1	5.3	3.6	5.3								
			2	26.3	7.8	12.4	5.4	72.1	5.3	3.3									
	Middle	3.9	1	26.0	7.8	12.8	5.2	69.3	6.0	4.6									
	Bottom	6.8	1	25.9	7.8	12.9	5.2	68.9	6.0	4.2									
			2	25.6	7.8	21.0	4.9	67.4	8.0	5.4	4.9								
			2	25.6	7.8	21.0	4.9	67.4	7.9	5.0									
	Surface	1.0	1	26.4	7.7	8.9	6.0	78.8	5.7	7.5									
			2	26.4	7.7	8.9	6.0	78.5	5.8	7.3									
		1	26.4	7.7	9.2	5.9	76.8	7.2	6.7	5.9									
		2	26.4	7.7	9.2	5.9	76.7	7.1	6.4										
Bottom	9.7	1	25.7	7.8	17.1	5.1	68.6	13.4	5.8										
		2	25.6	7.8	18.2	5.1	68.5	13.3	5.4										
		1	26.3	7.6	10.0	5.6	73.5	9.5	3.9	5.6									
		2	26.3	7.6	10.2	5.6	73.5	9.5	4.4										
Bottom	2.7	1	26.4	7.4	13.0	5.6	74.2	10.8	6.1										
		2	26.4	7.4	12.0	5.6	74.4	10.8	5.8										
		1	26.4	7.6	8.5	5.9	76.5	6.6	7.5	5.9									
		2	26.4	7.6	8.5	5.9	76.5	6.7	7.8										
Bottom	3.2	1	26.4	7.6	9.5	5.9	76.5	8.9	8.4										
		2	26.4	7.6	9.5	5.9	76.6	8.9	8.1										
2022-06-17	Mid-Flood	TCE-C1	Fine	Moderate	9:41	9.1	Surface	1.0	1	25.3	7.8	27.7	4.5	64.2	8.1	2.8	4.2	10.3	3.3
									2	25.3	7.8	27.3	4.5	64.5	8.1	2.6			
							Middle	4.6	1	25.1	7.8	31.3	4.0	57.4	10.6	3.5			
							Bottom	8.1	1	25.1	7.8	31.3	4.0	57.3	10.6	3.3			
				2	25.1	7.8	31.6	4.0	58.0	12.4	4.0	4.0							
				2	25.1	7.8	31.6	4.0	58.2	12.0	3.8								
		Surface	1.0	1	26.0	7.7	14.7	5.3	70.3	5.4	2.8								
				2	26.0	7.8	14.8	5.2	69.8	5.4	3.2								
				1	25.1	7.9	29.2	4.6	65.8	8.8	3.9	4.9							
				2	25.0	7.9	29.3	4.6	65.8	8.7	3.7								
		Bottom	12.8	1	24.9	7.9	32.8	4.5	66.0	15.9	4.0								
				2	24.9	7.9	32.8	4.5	66.0	15.8	4.2								
			1	26.4	7.6	9.9	5.9	77.7	6.6	5.1	5.9								
			2	26.4	7.6	9.9	5.9	77.5	6.6	5.3									
	Middle	4.2	1	26.4	7.7	10.0	5.8	76.5	7.2	4.7									
	Bottom	7.3	1	26.4	7.7	10.1	5.8	76.4	7.3	4.4									
			2	26.1	7.6	14.4	5.1	68.8	13.6	3.5	5.1								
			2	26.1	7.6	14.4	5.1	68.7	13.6	3.9									
	Surface	1.0	1	26.2	7.7	8.9	5.4	70.5	7.0	3.6									
			2	26.2	7.7	8.9	5.4	70.5	7.0	3.2									
			1	26.1	7.6	14.2	5.2	69.1	7.4	4.2	5.3								
			2	26.1	7.6	14.2	5.2	69.1	7.5	4.0									
	Bottom	6.9	1	26.1	7.5	14.4	5.1	68.7	7.9	4.3									
			2	26.1	7.5	14.4	5.1	68.8	7.9	4.6									
		1	26.2	7.7	8.7	5.5	71.5	8.1	4.6	5.1									
		2	26.1	7.8	8.7	5.5	71.3	8.2	4.5										
Middle	5.5	1	25.7	7.8	22.4	4.6	63.9	10.1	4.3										
Bottom	9.9	1	25.6	7.8	22.4	4.6	63.9	10.1	4.4										
		2	25.2	7.8	30.5	4.4	64.0	14.5	4.0	4.4									
		2	25.2	7.8	30.5	4.4	64.0	14.6	3.8										
Surface	1.0	1	26.2	7.5	7.6	5.6	72.7	8.0	3.4										
		2	26.2	7.5	7.6	5.6	72.5	8.1	3.8										
		1	26.2	7.3	7.7	5.5	71.4	8.6	4.7	5.5									
		2	26.2	7.3	7.7	5.5	71.3	8.6	5.0										
Bottom	2.9	1	26.2	7.3	7.7	5.5	71.4	8.6	4.7										
		2	26.2	7.3	7.7	5.5	71.3	8.6	5.0										
		1	26.2	7.5	7.9	5.6	72.6	9.6	5.8	5.6									
		2	26.2	7.5	7.9	5.6	72.5	9.7	5.3										
Bottom	3.5	1	26.3	7.5	9.4	5.5	71.4	11.8	4.9										
		2	26.3	7.5	9.4	5.5	71.4	11.8	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)		
2022-06-20	Mid-Ebb	TCE-C1	Fine	Moderate	7:30	7.7	Surface	1.0	1	26.0	7.7	6.2	7.0	89.2	7.2	4.6	6.8	8.4	4.1		
									2	26.0	7.7	6.3	7.0	89.1	7.1	4.8					
							Middle	3.9	1	26.0	7.7	8.6	6.7	86.2	8.5	4.0					
							Bottom	6.7	1	25.9	7.6	12.6	6.0	79.0	9.7	3.3					
				2	25.9	7.6	12.6	6.0	79.1	9.7	3.7										
		TCE-C2	Fine	Moderate	5:42	13.5	Surface	1.0	1	26.1	7.8	6.3	6.6	6.6	84.1	4.9	5.0	6.0	6.0	5.4	
									2	26.1	7.8	6.3	6.6	83.9	5.0	4.6					
							Middle	6.8	1	25.9	7.8	19.3	5.4	75.0	6.1	5.2					
							Bottom	12.5	1	25.8	7.8	19.2	5.5	75.1	6.2	5.5					
				2	25.2	7.9	29.7	4.7	68.2	7.0	5.8										
		TCE-WQM1	Fine	Moderate	6:55	8.2	Surface	1.0	1	26.4	7.7	9.5	6.4	6.4	83.7	6.1	2.7	6.1	9.1	3.1	
									2	26.4	7.7	9.4	6.4	83.7	6.1	2.5					
							Middle	4.1	1	26.3	7.7	11.2	5.9	77.5	7.4	2.9					
							Bottom	7.2	1	26.2	7.7	11.3	5.8	76.8	7.5	3.2					
				2	26.0	7.7	17.6	4.8	65.7	13.8	3.7										
		TCE-WQM2a	Fine	Moderate	6:21	6.6	Surface	1.0	1	26.3	7.7	8.4	6.7	6.7	87.2	8.5	5.4	6.7	13.9	4.9	
									2	26.3	7.7	8.4	6.7	87.2	8.5	5.7					
							Middle	3.3	1	26.2	7.7	9.1	6.6	86.4	14.7	4.9					
							Bottom	5.6	1	26.2	7.6	9.2	6.6	86.0	14.8	5.0					
				2	26.2	7.6	12.2	6.2	82.1	18.3	4.2										
		TCE-WQM2b	Fine	Moderate	6:09	12.2	Surface	1.0	1	26.0	7.7	6.5	6.3	6.3	80.7	9.3	5.3	5.7	11.4	4.7	
									2	26.0	7.7	6.5	6.3	80.5	9.3	5.5					
							Middle	6.1	1	25.7	7.8	18.2	5.0	68.3	10.1	4.6					
							Bottom	11.2	1	25.3	7.8	28.4	4.4	63.3	14.8	4.0					
			2	25.3	7.8	28.3	4.4	63.3	14.8	3.6											
	TCE-WQM3A	Fine	Moderate	6:33	3.5	Surface	1.0	1	26.3	7.6	9.0	6.2	6.2	81.1	7.2	6.0	6.2	11.2	5.4		
								2	26.3	7.6	9.0	6.2	81.0	7.3	5.8						
						Bottom	2.5	1	26.2	7.6	10.4	5.8	76.5	15.1	4.7						
								2	26.2	7.6	10.5	5.6	73.2	15.2	5.0						
	TCE-WQM4	Fine	Moderate	6:43	3.6	Surface	1.0	1	26.3	7.7	9.3	6.5	6.5	84.9	7.4	6.2	6.5	7.8	5.5		
								2	26.3	7.6	9.5	6.5	84.8	7.3	6.0						
						Bottom	2.6	1	26.3	7.6	9.1	6.4	83.6	8.3	4.7						
								2	26.3	7.7	9.1	6.4	83.4	8.4	5.0						
	2022-06-20	Mid-Flood	TCE-C1	Fine	Moderate	10:03	7.8	Surface	1.0	1	26.0	7.7	6.7	7.0	89.3	6.8	3.2	6.8	7.7	3.5	
										2	26.0	7.7	6.6	7.0	88.9	6.8	3.0				
								Middle	3.9	1	26.0	7.7	8.1	6.6	85.6	7.8	3.5				
								Bottom	6.8	1	26.0	7.7	8.0	6.6	85.2	7.8	3.3				
					2	25.9	7.7	8.7	6.4	82.8	8.3	4.1									
			TCE-C2	Fine	Moderate	12:00	13.7	Surface	1.0	1	26.2	7.9	7.6	6.9	6.9	88.4	5.9	3.2	6.2	7.2	3.9
										2	26.2	7.9	7.6	6.8	88.2	5.8	3.5				
								Middle	6.9	1	25.5	7.9	21.9	5.6	77.7	6.7	3.9				
								Bottom	12.7	1	25.3	7.9	28.4	5.1	72.6	8.9	4.3				
					2	25.3	7.9	28.9	5.0	72.0	8.9	4.7									
			TCE-WQM1	Fine	Moderate	10:49	7.4	Surface	1.0	1	26.4	7.8	10.0	6.3	6.3	82.2	6.8	4.4	6.0	11.1	3.9
										2	26.4	7.8	10.0	6.3	82.1	6.8	4.8				
								Middle	3.7	1	25.9	7.8	11.4	5.7	75.0	12.0	3.7				
								Bottom	6.4	1	25.8	7.8	11.4	5.6	73.6	12.0	3.9				
					2	25.5	7.7	24.0	4.2	59.2	14.6	3.3									
TCE-WQM2a			Fine	Moderate	11:23	7.8	Surface	1.0	1	26.3	7.7	9.1	6.5	6.5	85.0	6.8	5.7	6.0	8.1	5.0	
									2	26.3	7.7	9.1	6.5	85.0	6.8	5.4					
							Middle	3.9	1	26.0	7.7	13.9	5.5	73.6	7.7	5.1					
							Bottom	6.8	1	26.0	7.7	13.9	5.5	73.4	7.8	5.0					
				2	25.9	7.7	16.6	5.3	71.4	9.6	4.3										
TCE-WQM2b			Fine	Moderate	11:33	12.3	Surface	1.0	1	26.1	7.8	8.0	6.2	6.2	80.1	7.9	3.5	5.6	10.5	4.6	
									2	26.1	7.8	7.9	6.2	79.8	7.8	3.8					
							Middle	6.2	1	25.5	7.8	22.3	5.0	69.2	8.3	4.7					
							Bottom	11.3	1	25.4	7.8	22.3	5.0	69.5	8.2	4.3					
			2	25.4	7.8	29.5	4.9	71.0	15.4	5.8											
TCE-WQM3A		Fine	Moderate	11:12	3.6	Surface	1.0	1	26.3	7.6	9.2	6.3	6.3	82.5	7.1	5.2	6.3	7.2	4.9		
								2	26.3	7.6	9.2	6.3	82.2	7.0	5.6						
						Bottom	2.6	1	26.2	7.6	9.5	6.2	81.1	7.4	4.6						
								2	26.2	7.6	9.5	6.2	81.1	7.4	4.2						
TCE-WQM4		Fine	Moderate	11:00	3.6	Surface	1.0	1	26.3	7.7	8.6	6.5	6.5	84.4	9.0	2.9	6.5	10.5	3.3		
								2	26.3	7.7	8.6	6.5	84.3	9.1	3.2						
						Bottom	2.6	1	26.2	7.6	9.9	6.1	80.2	12.0	3.5						
								2	26.2	7.6	10.5	6.1	80.3	12.1	3.6						

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)	
2022-06-22	Mid-Ebb	TCE-C1	Fine	Moderate	10:05	8.2	Surface	1.0	1	25.9	7.8	3.9	6.4	79.8	9.5	2.9	6.0	6.9	4.5	
									2	25.8	7.8	3.9	6.4	79.7	9.2	3.0				
							Middle	4.1	1	25.4	7.8	8.2	5.7	72.7	5.9	4.2				
							Bottom	7.2	1	25.1	7.9	22.0	4.4	60.4	5.4	6.2				
				2	25.1	7.9	22.0	4.4	60.6	5.5	6.4									
		TCE-C2	Fine	Moderate	8:13	13.7	Surface	1.0	1	26.0	7.8	5.2	6.7	84.4	5.9	4.4	6.1	4.2	5.1	
									2	26.0	7.8	5.3	6.7	84.3	5.6	4.6				
							Middle	6.9	1	25.7	7.8	17.2	5.5	73.9	3.6	5.2				
							Bottom	12.7	1	25.1	7.8	17.1	5.5	73.8	3.7	4.9				
				2	25.1	7.8	24.2	4.9	67.6	3.1	5.6									
				2	25.1	7.8	24.1	4.9	67.9	3.1	5.9									
		TCE-WQM1	Fine	Moderate	9:25	8.0	Surface	1.0	1	26.3	7.9	7.8	6.8	87.5	5.1	3.5	6.3	7.3	3.1	
									2	26.3	7.9	7.8	6.7	87.3	5.3	3.3				
							Middle	4.0	1	25.9	7.9	10.0	6.0	77.6	6.4	3.1				
							Bottom	7.0	1	25.5	7.8	17.2	4.8	64.1	11.0	2.7				
				2	25.5	7.8	17.3	4.8	64.3	10.0	2.8									
		TCE-WQM2a	Fine	Moderate	8:52	7.5	Surface	1.0	1	26.4	7.9	7.5	6.8	87.4	4.1	4.4	6.3	3.9	3.8	
									2	26.4	7.9	7.5	6.8	87.4	4.1	4.7				
							Middle	3.8	1	25.7	7.9	9.9	5.9	76.7	4.0	3.7				
							Bottom	6.5	1	25.5	7.9	9.8	5.9	76.4	4.0	3.6				
				2	25.5	7.9	16.4	5.1	67.8	3.7	3.1									
				2	25.5	7.9	16.5	5.1	67.7	3.9	3.4									
		TCE-WQM2b	Fine	Moderate	8:40	11.5	Surface	1.0	1	25.8	7.8	5.4	6.2	78.6	9.0	5.8	5.5	9.7	5.2	
									2	25.7	7.8	5.4	6.2	78.4	9.0	5.6				
	Middle						5.8	1	25.4	7.8	13.4	4.9	64.5	7.9	5.3					
	Bottom						10.5	1	24.8	8.0	28.2	4.4	62.0	11.9	4.9					
			2	24.8	8.0	28.1	4.4	62.2	12.0	4.6										
	TCE-WQM3A	Fine	Moderate	9:04	3.8	Surface	1.0	1	26.3	7.9	8.2	6.4	83.1	4.1	2.9	6.4	4.4	3.3		
								2	26.3	7.9	8.2	6.4	83.0	4.1	3.2					
						Bottom	2.8	1	26.2	7.9	8.8	6.4	83.0	4.6	3.7					
								2	26.2	7.9	8.8	6.4	83.1	4.8	3.4					
	TCE-WQM4	Fine	Moderate	9:14	3.3	Surface	1.0	1	26.2	7.9	8.2	6.5	83.9	4.7	4.3	6.5	6.6	3.8		
								2	26.2	7.9	8.2	6.5	83.8	4.8	4.3					
						Bottom	2.3	1	26.1	7.9	9.7	6.4	83.4	8.2	3.5					
								2	26.1	7.9	9.7	6.4	83.5	8.5	3.2					
	2022-06-22	Mid-Flood	TCE-C1	Fine	Moderate	12:04	8.4	Surface	1.0	1	26.1	7.6	3.8	6.4	80.8	10.3	5.7	6.0	6.8	6.2
										2	26.1	7.6	3.8	6.4	80.8	10.3	5.4			
								Middle	4.2	1	25.5	7.7	8.7	5.5	70.8	6.2	6.2			
								Bottom	7.4	1	25.0	7.8	22.4	4.0	55.6	4.0	6.7			
					2	25.0	7.8	22.4	4.0	55.6	4.0	7.0								
			TCE-C2	Fine	Moderate	14:03	13.6	Surface	1.0	1	26.6	7.9	6.0	6.7	86.2	6.3	6.0	5.6	5.3	4.7
										2	26.6	7.9	6.0	6.7	86.2	6.3	5.6			
								Middle	6.8	1	24.8	8.0	26.2	4.5	62.7	4.4	4.6			
								Bottom	12.6	1	24.5	8.0	30.8	4.5	65.0	5.3	3.8			
					2	24.5	8.0	30.8	4.6	65.1	5.4	3.5								
			TCE-WQM1	Fine	Moderate	12:45	8.1	Surface	1.0	1	26.8	7.9	7.7	6.9	89.7	3.7	2.9	6.8	4.5	3.5
										2	26.7	7.9	7.7	6.9	89.7	3.7	3.2			
								Middle	4.1	1	26.3	7.9	8.3	6.8	88.4	4.0	3.3			
Bottom								7.1	1	26.0	7.8	12.6	5.5	73.2	6.0	4.0				
				2	26.0	7.8	12.7	5.5	73.1	5.9	4.2									
TCE-WQM2a			Fine	Moderate	13:23	6.8	Surface	1.0	1	26.0	7.8	7.9	6.4	83.0	4.6	3.0	6.4	4.8	3.2	
									2	26.0	7.8	7.9	6.4	83.0	4.6	2.8				
							Middle	3.4	1	26.0	7.8	8.3	6.3	81.6	4.4	3.3				
							Bottom	5.8	1	25.8	7.8	11.8	5.7	74.7	5.2	3.7				
				2	25.8	7.8	11.8	5.7	74.7	5.5	3.4									
TCE-WQM2b			Fine	Moderate	13:33	11.6	Surface	1.0	1	26.6	7.8	5.0	6.6	85.1	9.9	3.6	6.1	9.8	4.2	
									2	26.6	7.8	5.1	6.6	85.0	9.7	3.8				
							Middle	5.8	1	25.6	7.8	11.2	5.6	73.3	6.7	4.1				
							Bottom	10.6	1	25.0	7.8	24.5	4.7	65.1	12.7	4.9				
			2	25.0	7.8	24.5	4.7	65.3	12.2	4.5										
TCE-WQM3A		Fine	Moderate	13:13	3.1	Surface	1.0	1	26.8	7.9	7.2	7.1	92.8	4.5	4.7	7.1	6.0	5.2		
								2	26.8	7.9	7.2	7.1	93.0	4.6	4.8					
						Bottom	2.1	1	26.6	7.9	7.3	7.2	94.1	7.2	5.4					
								2	26.6	7.9	7.3	7.3	94.2	7.7	5.8					
TCE-WQM4		Fine	Moderate	13:02	3.4	Surface	1.0	1	26.2	7.8	7.5	6.8	87.3	12.6	2.6	6.8	12.0	3.5		
								2	26.2	7.8	7.5	6.8	87.3	12.2	2.8					
						Bottom	2.4	1	26.2	7.9	7.7	6.9	88.6	11.8	4.4					
								2	26.2	7.9	7.7	6.9	88.6	11.6	4.1					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-06-24	Mid-Ebb	TCE-C1	Sunny	Moderate	11:20	7.2	Surface	1.0	1	26.8	7.8	12.2	6.1	81.2	7.4	4.3	5.8	12.3	5.0
									2	26.8	7.8	12.2	6.1	81.1	7.4	4.6			
							Middle	3.6	1	26.3	7.8	14.8	5.5	74.5	6.9	4.8			
							Bottom	6.2	1	25.2	7.8	30.4	4.0	57.7	22.7	5.5			
				2	25.2	7.8	30.4	4.0	58.1	22.8	5.8								
		TCE-C2	Sunny	Moderate	9:16	13.6	Surface	1.0	1	26.9	7.9	6.3	7.3	95.3	8.2	5.9	7.0	6.4	6.2
									2	26.9	7.9	6.3	7.3	95.2	8.2	5.7			
							Middle	6.8	1	26.7	7.9	9.8	6.6	86.8	6.0	6.3			
							Bottom	12.6	1	25.9	7.9	21.3	5.5	75.7	5.0	6.6			
				2	25.9	7.9	21.3	5.5	75.8	5.0	6.4								
		TCE-WQM1	Sunny	Calm	10:33	8.1	Surface	1.0	1	28.0	8.0	8.0	7.9	106.0	5.9	3.5	7.2	7.9	3.9
									2	28.0	8.0	8.0	7.9	105.8	6.0	3.6			
	Middle						4.1	1	27.2	7.9	12.6	6.4	86.6	7.0	3.8				
	Bottom						7.1	1	25.4	7.8	26.2	4.0	56.2	10.8	4.0				
			2	25.4	7.8	26.2	4.0	56.4	10.7	4.4									
	TCE-WQM2a	Sunny	Moderate	9:59	6.9	Surface	1.0	1	27.4	8.0	8.7	7.6	100.1	6.1	7.1	6.7	6.6	5.8	
								2	27.4	8.0	8.7	7.6	100.1	6.1	6.8				
						Middle	3.5	1	26.5	7.8	13.1	5.9	78.6	5.9	5.5				
						Bottom	5.9	1	26.3	7.8	15.4	5.7	76.8	7.7	5.0				
			2	26.3	7.8	15.4	5.7	76.9	7.7	4.7									
	TCE-WQM2b	Sunny	Moderate	9:45	10.4	Surface	1.0	1	26.8	7.7	6.7	6.7	87.4	10.4	5.9	6.4	11.0	6.6	
								2	26.8	7.7	6.7	6.7	87.3	10.3	5.7				
						Middle	5.2	1	26.3	7.7	9.1	6.1	79.5	9.1	6.6				
						Bottom	9.4	1	25.4	7.8	23.3	4.5	62.6	13.5	7.3				
		2	25.4	7.8	23.8	4.5	62.7	13.5	7.1										
TCE-WQM3A	Sunny	Calm	10:10	3.8	Surface	1.0	1	27.7	8.0	7.7	7.8	102.9	8.3	3.6	7.7	8.2	4.6		
							2	27.7	8.0	7.7	7.7	102.7	8.3	3.8					
					Bottom	2.8	1	27.6	8.0	8.2	7.3	97.5	8.0	5.2					
		2	27.6	8.0	8.2	7.3	97.4	8.1	5.6										
TCE-WQM4	Sunny	Calm	10:20	3.3	Surface	1.0	1	27.4	8.0	9.6	7.6	101.8	7.0	3.7	7.6	6.6	5.0		
							2	27.4	8.0	9.5	7.6	101.8	7.0	4.0					
					Bottom	2.3	1	27.3	7.9	10.8	7.1	95.5	6.2	6.3					
		2	27.3	7.9	10.8	7.1	95.5	6.2	6.0										
2022-06-24	Mid-Flood	TCE-C1	Sunny	Moderate	14:45	8.9	Surface	1.0	1	27.9	8.0	8.8	8.1	107.8	7.7	4.6	7.6	7.6	5.2
									2	27.9	8.0	8.8	8.0	107.7	7.7	4.4			
							Middle	4.5	1	27.4	8.0	10.3	7.2	96.2	7.0	5.1			
							Bottom	7.9	1	25.2	7.8	29.3	4.0	57.8	8.2	5.6			
				2	25.2	7.8	29.3	4.0	57.9	8.2	6.1								
		TCE-C2	Sunny	Moderate	17:05	14.1	Surface	1.0	1	28.2	8.1	7.3	8.5	113.8	6.6	3.9	8.4	8.2	5.1
									2	28.3	8.1	7.3	8.5	113.8	6.6	4.1			
							Middle	7.1	1	28.1	8.1	7.4	8.3	110.9	6.6	5.0			
							Bottom	13.1	1	28.2	8.1	7.4	8.3	111.0	6.6	5.5			
				2	24.8	7.9	33.6	4.7	68.3	11.4	6.0								
		TCE-WQM1	Sunny	Calm	15:37	7.8	Surface	1.0	1	28.4	8.3	7.9	9.3	124.5	7.2	4.4	8.7	7.2	5.4
									2	28.4	8.3	7.9	9.3	124.5	7.3	4.1			
	Middle						3.9	1	27.9	8.1	8.9	8.2	110.0	8.5	5.7				
	Bottom						6.8	1	26.1	7.8	20.5	4.8	67.1	6.1	6.3				
			2	26.1	7.8	20.5	4.9	67.3	6.1	6.5									
	TCE-WQM2a	Sunny	Moderate	16:19	7.6	Surface	1.0	1	27.3	7.9	9.5	7.3	97.1	7.8	5.4	6.6	7.1	5.7	
								2	27.3	7.9	9.5	7.3	97.1	7.8	5.2				
						Middle	3.8	1	26.4	7.8	14.2	5.9	79.7	6.1	5.9				
						Bottom	6.6	1	26.4	7.8	14.2	5.9	79.7	6.1	5.6				
			2	26.1	7.8	17.1	5.5	75.0	7.5	6.2									
	TCE-WQM2b	Sunny	Moderate	16:34	11.8	Surface	1.0	1	27.2	7.8	9.3	6.7	88.6	7.9	5.6	5.9	9.7	6.2	
								2	27.2	7.8	9.3	6.7	88.5	8.0	5.5				
						Middle	5.9	1	26.0	7.8	19.2	5.1	70.1	8.9	6.1				
						Bottom	10.8	1	26.1	7.8	19.3	5.1	70.1	9.0	6.5				
		2	25.5	7.9	26.0	4.6	64.7	12.3	7.0										
TCE-WQM3A	Sunny	Calm	16:06	4.2	Surface	1.0	1	28.0	8.1	7.7	8.1	107.6	7.5	4.0	8.1	7.6	4.8		
							2	28.0	8.1	7.7	8.1	107.7	7.5	4.4					
					Bottom	3.2	1	27.4	8.2	8.4	8.0	106.4	7.6	5.2					
		2	27.4	8.2	8.4	8.0	106.4	7.7	5.5										
TCE-WQM4	Sunny	Calm	15:52	4.1	Surface	1.0	1	27.9	8.0	7.9	8.1	108.2	9.1	18.7	8.1	10.2	16.6		
							2	27.9	8.0	7.9	8.1	108.3	9.1	18.4					
					Bottom	3.1	1	27.8	8.0	8.3	7.9	105.8	11.3	14.5					
		2	27.8	8.0	8.3	7.9	105.8	11.3	14.8										

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)			
2022-06-27	Mid-Ebb	TCE-C1	Fine	Moderate	13:25	7.9	Surface	1.0	1	26.0	7.9	13.0	5.7	75.1	5.4	4.8	5.2	9.4	5.2			
									2	26.0	8.0	13.0	5.6	74.6	5.4	4.4						
							Middle	4.0	1	25.6	7.9	27.3	4.7	67.3	7.9	5.1						
									2	25.6	7.9	27.6	4.7	67.5	8.0	5.3						
							Bottom	6.9	1	24.9	7.9	33.7	3.2	47.3	14.7	5.6						
									2	24.9	7.9	33.7	3.2	47.4	14.8	6.0						
		TCE-C2	Fine	Moderate	11:22	13.7	Surface	1.0	1	26.8	8.0	16.5	6.5	89.3	5.4	3.7	5.3	6.4	4.2			
									2	26.8	8.0	16.1	6.5	89.2	5.4	3.8						
							Middle	6.9	1	24.9	7.9	32.3	4.1	59.0	5.3	4.2						
									2	24.9	7.9	32.2	4.1	59.2	5.2	4.4						
							Bottom	12.7	1	24.7	7.9	34.1	3.8	55.0	8.4	4.6						
									2	24.7	7.9	34.1	3.8	55.2	8.5	4.5						
		TCE-WQM1	Fine	Moderate	12:43	8.0	Surface	1.0	1	26.9	8.2	12.3	7.3	98.1	9.5	4.8	6.1	12.9	5.2			
									2	26.8	8.2	12.4	7.2	96.1	9.8	4.6						
							Middle	4.0	1	25.9	7.9	18.3	5.0	68.5	13.3	5.0						
									2	25.8	8.0	18.2	4.9	66.9	13.2	5.3						
							Bottom	7.0	1	25.7	7.8	24.6	3.9	55.0	15.8	5.7						
									2	25.7	7.8	24.6	3.9	55.2	15.9	5.6						
		TCE-WQM2a	Fine	Moderate	12:06	7.5	Surface	1.0	1	27.6	8.2	11.7	7.8	105.4	5.3	3.8	6.5	7.8	3.1			
									2	27.6	8.2	11.7	7.8	105.4	5.3	3.5						
							Middle	3.8	1	25.7	7.9	25.1	5.3	74.3	7.2	3.0						
									2	25.6	7.9	25.3	5.2	73.9	7.1	3.4						
							Bottom	6.5	1	25.3	7.9	29.9	4.4	63.9	11.0	2.4						
									2	25.3	7.9	29.8	4.4	64.0	11.0	2.7						
		TCE-WQM2b	Fine	Moderate	11:53	11.5	Surface	1.0	1	26.5	8.0	16.2	5.9	81.0	5.8	4.8	5.5	8.2	4.3			
									2	26.5	8.0	16.2	5.9	80.8	5.8	4.6						
							Middle	5.8	1	25.6	7.9	24.5	5.0	70.3	8.1	4.4						
									2	25.6	7.9	24.5	5.0	69.9	8.1	4.3						
							Bottom	10.5	1	25.3	7.9	29.2	4.2	60.7	10.8	3.8						
									2	25.3	7.9	29.2	4.2	60.9	10.8	3.8						
		TCE-WQM3A	Fine	Moderate	12:19	3.6	Surface	1.0	1	26.9	8.0	13.1	6.6	88.4	7.3	3.2	6.6	9.0	3.5			
									2	26.8	8.0	13.1	6.5	88.1	7.3	3.3						
							Bottom	2.6	1	26.5	7.9	16.3	5.4	74.0	10.5	3.7						
									2	26.5	7.9	16.3	5.4	74.0	10.7	3.8						
							Surface	1.0	1	27.6	8.4	10.3	9.9	132.3	6.2	4.0				9.8	6.6	4.8
									2	27.6	8.4	10.3	9.8	131.5	6.2	4.0						
		Bottom	2.8	1	27.3	8.2	11.4	7.9	105.8	6.9	5.3											
				2	27.3	8.2	11.2	8.0	107.6	6.9	5.8											
		Surface	1.0	1	27.8	8.1	8.1	7.8	103.3	6.5	2.6	6.7	8.7	3.3								
				2	27.8	8.1	8.1	7.7	103.0	6.4	2.8											
		Middle	4.0	1	25.9	8.0	15.7	5.6	74.9	7.8	3.3											
				2	25.8	8.0	15.8	5.5	74.2	7.8	3.5											
		Bottom	7.0	1	25.0	7.9	32.6	4.3	62.7	11.9	3.8											
				2	25.0	7.9	32.4	4.6	66.4	11.9	4.0											
		TCE-C2	Fine	Moderate	19:42	14.0	Surface	1.0	1	26.7	8.0	15.7	6.4	87.2	6.4	4.6	5.5	8.5	4.4			
									2	26.6	8.0	15.5	6.4	87.1	6.4	5.0						
							Middle	7.0	1	25.6	8.0	24.5	4.6	64.7	8.4	4.5						
									2	25.6	8.0	24.5	4.6	64.6	8.4	4.2						
Bottom	13.0						1	25.2	8.0	30.7	4.6	65.9	10.7	4.1								
							2	25.3	8.0	30.7	4.6	66.1	10.6	3.8								
TCE-WQM1	Fine	Moderate	18:36	8.3	Surface	1.0	1	27.8	8.4	12.7	8.9	122.9	7.2	4.3	6.7	12.3	3.9					
							2	27.8	8.4	12.8	9.0	122.7	7.2	4.4								
					Middle	4.2	1	25.6	7.9	21.7	4.5	61.6	13.2	3.8								
							2	25.6	7.9	21.4	4.4	60.4	13.3	4.1								
					Bottom	7.3	1	25.4	7.9	27.2	4.0	57.5	16.4	3.4								
							2	25.4	7.9	27.2	4.1	57.8	16.6	3.1								
TCE-WQM2a	Fine	Moderate	19:09	7.6	Surface	1.0	1	27.8	8.4	13.9	9.5	130.0	5.1	6.4	8.5	5.6	5.9					
							2	27.8	8.4	13.9	9.5	130.0	5.1	6.4								
					Middle	3.8	1	26.7	8.2	15.7	7.6	103.5	5.8	5.9								
							2	26.6	8.2	15.7	7.5	102.1	5.7	6.2								
					Bottom	6.6	1	26.5	8.0	20.0	6.3	86.8	6.1	5.2								
							2	26.5	8.1	19.8	6.3	87.3	6.1	5.4								
TCE-WQM2b	Fine	Moderate	19:20	11.9	Surface	1.0	1	27.2	8.0	9.1	6.9	91.5	7.6	4.2	6.5	9.4	5.4					
							2	27.2	8.0	9.5	6.9	91.4	7.5	4.6								
					Middle	6.0	1	26.8	8.0	12.6	6.1	81.3	9.4	5.8								
							2	26.8	8.0	12.6	6.0	80.4	9.5	5.6								
					Bottom	10.9	1	25.4	8.0	28.2	4.7	67.4	11.1	6.1								
							2	25.4	8.0	28.2	4.8	67.9	11.1	6.3								
TCE-WQM3A	Fine	Moderate	18:58	3.9	Surface	1.0	1	27.2	8.2	14.2	8.1	110.0	7.5	6.4	8.1	8.6	6.0					
							2	27.2	8.3	14.1	8.1	110.5	7.6	6.3								
					Bottom	2.9	1	26.6	8.0	16.2	6.7	91.6	9.7	5.8								
							2	26.6	8.0	16.2	6.8	92.0	9.6	5.6								
					Surface	1.0	1	27.4	8.3	12.5	9.4	126.9	6.8	4.6				9.3	7.4	5.2		
							2	27.3	8.3	12.5	9.3	125.3	6.8	4.9								
Bottom	3.1	1	27.0	8.3	14.1	8.7	117.4	8.0	5.7													
		2	27.0	8.3	14.0	8.6	117.2	7.9	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)
2022-06-29	Mid-Ebb	TCE-C1	Fine	Moderate	14:39	8.3	Surface	1.0	1	26.7	8.1	14.5	6.6	88.9	6.6	5.7	5.2	10.9	6.8
									2	26.7	8.1	14.5	6.5	88.2	6.6	5.9			
							Middle	4.2	1	25.0	7.9	30.7	4.0	57.0	10.7	6.9			
							Bottom	7.3	1	24.8	7.9	33.7	3.6	52.4	15.6	7.6			
				2	24.8	7.9	33.7	3.6	52.7	15.6	7.9								
		TCE-C2	Fine	Moderate	12:21	13.7	Surface	1.0	1	26.6	8.0	21.6	6.5	91.7	5.3	5.2	5.4	8.0	5.7
									2	26.6	8.0	21.5	6.5	91.7	5.3	4.8			
							Middle	6.9	1	25.4	7.8	30.7	4.3	62.5	6.1	5.6			
							Bottom	12.7	1	24.8	7.8	33.8	3.6	52.7	12.6	6.3			
				2	24.8	7.8	33.8	3.6	52.8	12.6	6.5								
		TCE-WQM1	Fine	Moderate	13:40	7.8	Surface	1.0	1	27.2	8.2	15.7	7.7	107.0	8.3	6.6	6.7	10.8	7.3
									2	27.1	8.2	15.7	7.7	106.8	8.3	6.8			
	Middle						3.9	1	26.4	8.0	20.2	5.7	78.8	11.0	7.0				
	Bottom						6.8	1	26.3	8.0	20.0	5.7	79.3	11.1	7.4				
			2	25.9	7.9	25.2	4.5	63.6	13.1	7.8									
	TCE-WQM2a	Fine	Moderate	13:04	6.9	Surface	1.0	1	27.1	8.1	17.2	7.3	100.9	5.0	4.6	7.1	8.2	4.1	
								2	27.1	8.1	17.2	7.3	100.9	5.0	4.8				
						Middle	3.5	1	26.7	8.1	19.3	6.9	97.6	7.8	4.4				
						Bottom	5.9	1	26.5	8.1	19.7	6.9	96.3	7.7	4.0				
			2	25.8	8.0	28.8	5.3	75.9	11.9	3.5									
	TCE-WQM2b	Fine	Moderate	12:50	11.0	Surface	1.0	1	27.1	8.1	17.6	7.1	98.6	5.8	4.5	6.0	10.3	5.2	
								2	27.0	8.1	17.7	7.1	98.1	5.9	4.7				
						Middle	5.5	1	25.6	7.9	27.8	4.9	69.7	10.8	5.0				
						Bottom	10.0	1	25.5	7.9	27.9	4.8	68.9	10.9	5.3				
		2	25.2	7.9	31.7	4.1	59.6	14.1	5.8										
TCE-WQM3A	Fine	Moderate	13:15	3.5	Surface	1.0	1	27.3	8.2	15.1	8.3	115.4	5.8	5.2	8.3	6.3	4.7		
							2	27.2	8.2	15.0	8.3	115.1	5.8	5.0					
					Bottom	2.5	1	27.0	8.1	17.4	7.0	96.3	6.8	4.1					
							2	27.0	8.1	17.5	6.9	96.1	6.9	4.4					
TCE-WQM4	Fine	Moderate	13:27	3.8	Surface	1.0	1	27.5	8.3	15.2	8.7	122.4	6.8	6.1	8.7	8.5	5.8		
							2	27.5	8.3	15.2	8.7	121.9	6.8	5.9					
					Bottom	2.8	1	27.0	8.1	18.1	7.0	97.2	10.2	5.4					
							2	27.0	8.1	18.2	7.0	97.1	10.3	5.6					
2022-06-29	Mid-Flood	TCE-C1	Fine	Moderate	18:56	8.5	Surface	1.0	1	26.7	8.2	17.2	7.8	108.5	5.7	5.2	6.9	10.3	4.8
									2	26.6	8.2	17.3	7.6	104.6	5.8	5.4			
							Middle	4.3	1	26.4	8.0	23.4	6.1	86.4	7.9	5.0			
							Bottom	7.5	1	26.5	8.0	23.3	6.2	87.7	7.8	4.6			
				2	24.9	7.9	32.9	3.7	53.7	17.4	4.2								
		TCE-C2	Fine	Moderate	20:47	14.6	Surface	1.0	1	27.3	8.3	16.7	9.2	130.2	6.7	6.4	7.8	9.6	4.8
									2	27.2	8.3	16.9	9.2	128.4	6.8	6.0			
							Middle	7.3	1	26.1	8.1	22.8	6.5	91.7	8.2	4.8			
							Bottom	13.6	1	26.1	8.1	22.8	6.3	90.2	8.1	4.6			
				2	25.5	8.0	30.0	5.0	72.1	14.0	3.6								
		TCE-WQM1	Fine	Moderate	19:40	8.2	Surface	1.0	1	28.4	8.5	14.9	10.5	149.3	7.1	4.5	7.6	11.1	4.2
									2	28.4	8.5	14.9	10.4	147.1	7.1	4.8			
	Middle						4.1	1	25.9	8.0	23.4	4.8	67.1	12.1	4.3				
	Bottom						7.2	1	25.9	8.0	23.4	4.8	66.9	12.0	4.1				
			2	25.8	8.0	26.4	4.7	67.0	14.1	3.7									
	TCE-WQM2a	Fine	Moderate	20:13	7.2	Surface	1.0	1	27.6	8.4	17.1	10.0	141.3	5.1	6.1	8.8	6.5	6.5	
								2	27.6	8.4	17.1	10.0	141.3	5.1	5.9				
						Middle	3.6	1	26.8	8.2	20.2	7.6	107.5	6.7	6.7				
						Bottom	6.2	1	26.8	8.2	20.1	7.6	108.0	6.5	6.4				
			2	26.6	8.1	23.4	6.7	95.4	7.9	7.0									
	TCE-WQM2b	Fine	Moderate	20:25	11.4	Surface	1.0	1	27.0	8.2	14.7	7.6	104.0	5.5	8.5	6.3	9.8	7.2	
								2	26.8	8.1	14.6	7.6	102.6	5.5	8.4				
						Middle	5.7	1	26.1	8.0	21.7	5.2	71.9	9.3	7.3				
						Bottom	10.4	1	26.1	8.0	21.7	5.1	71.6	9.3	7.0				
		2	26.0	8.0	24.5	5.2	73.3	14.5	5.9										
TCE-WQM3A	Fine	Moderate	20:02	3.8	Surface	1.0	1	27.1	8.2	17.7	7.9	110.2	9.7	6.5	7.9	9.9	6.0		
							2	27.1	8.2	17.6	7.9	110.1	9.7	6.9					
					Bottom	2.8	1	26.9	8.1	23.0	6.5	93.0	10.1	5.5					
							2	26.9	8.1	22.9	6.7	95.9	10.1	5.2					
TCE-WQM4	Fine	Moderate	19:51	4.1	Surface	1.0	1	27.4	8.3	17.3	8.7	122.6	7.9	4.8	8.7	11.0	6.6		
							2	27.4	8.3	17.4	8.7	122.5	7.8	5.1					
					Bottom	3.1	1	27.5	8.3	17.1	9.0	126.9	14.1	8.2					
							2	27.5	8.3	17.3	9.0	127.4	14.1	8.4					