

Annex G3

Monitoring Results for Water Quality

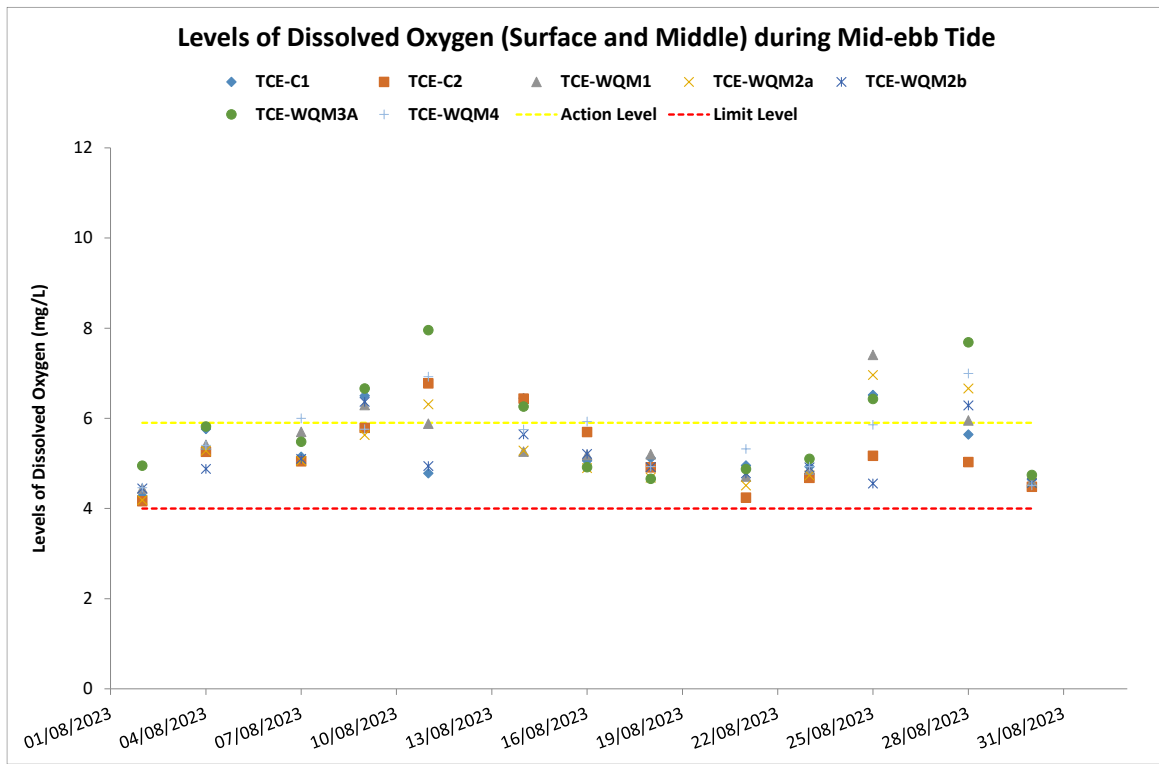


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2023

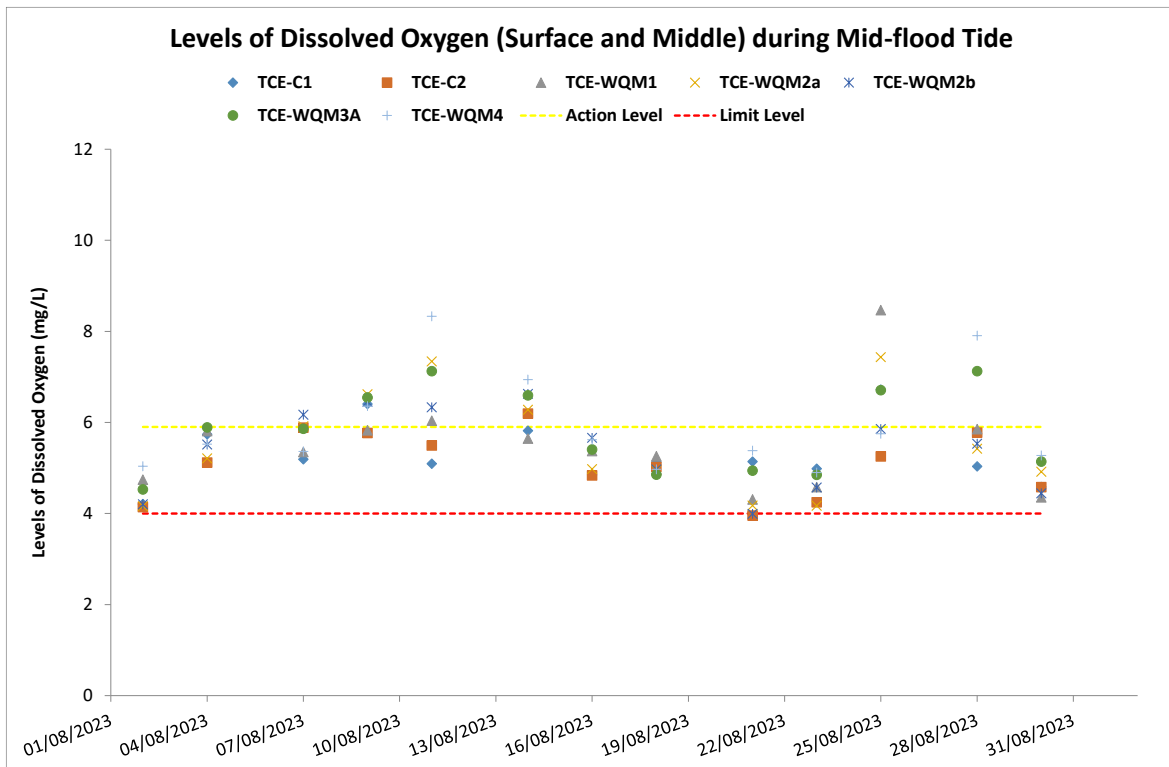


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2023

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

Environmental Resources Management



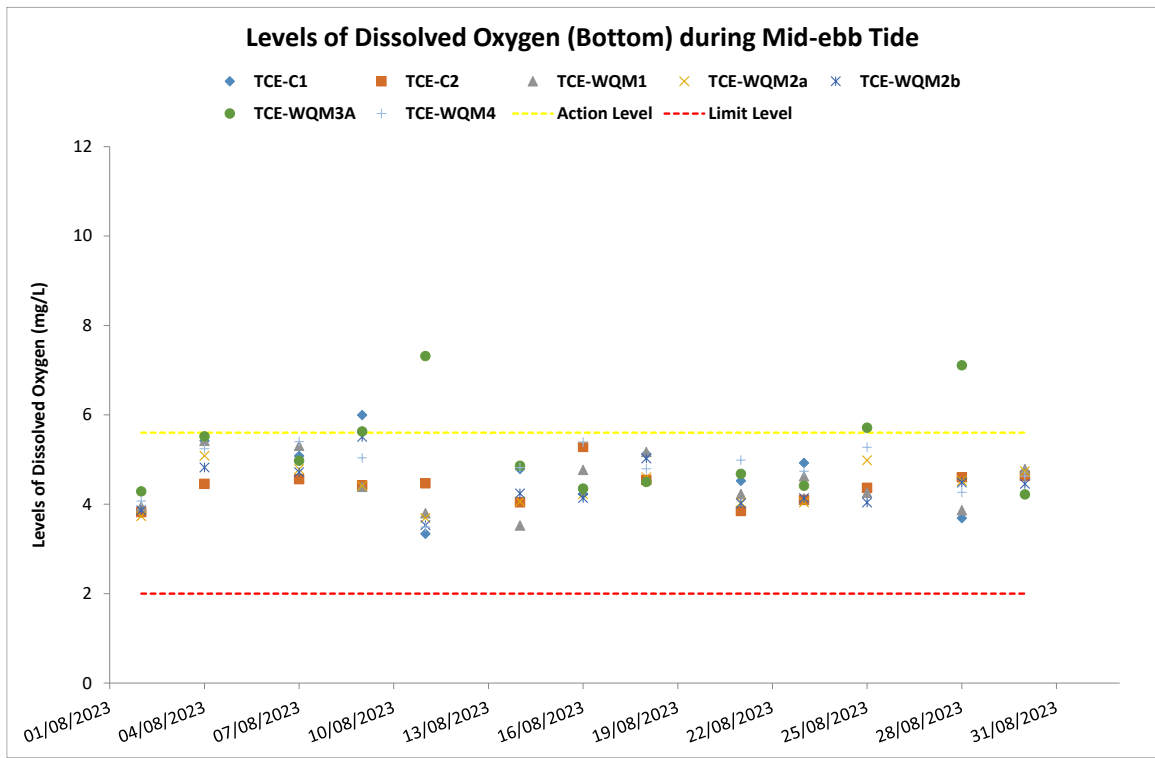


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2023

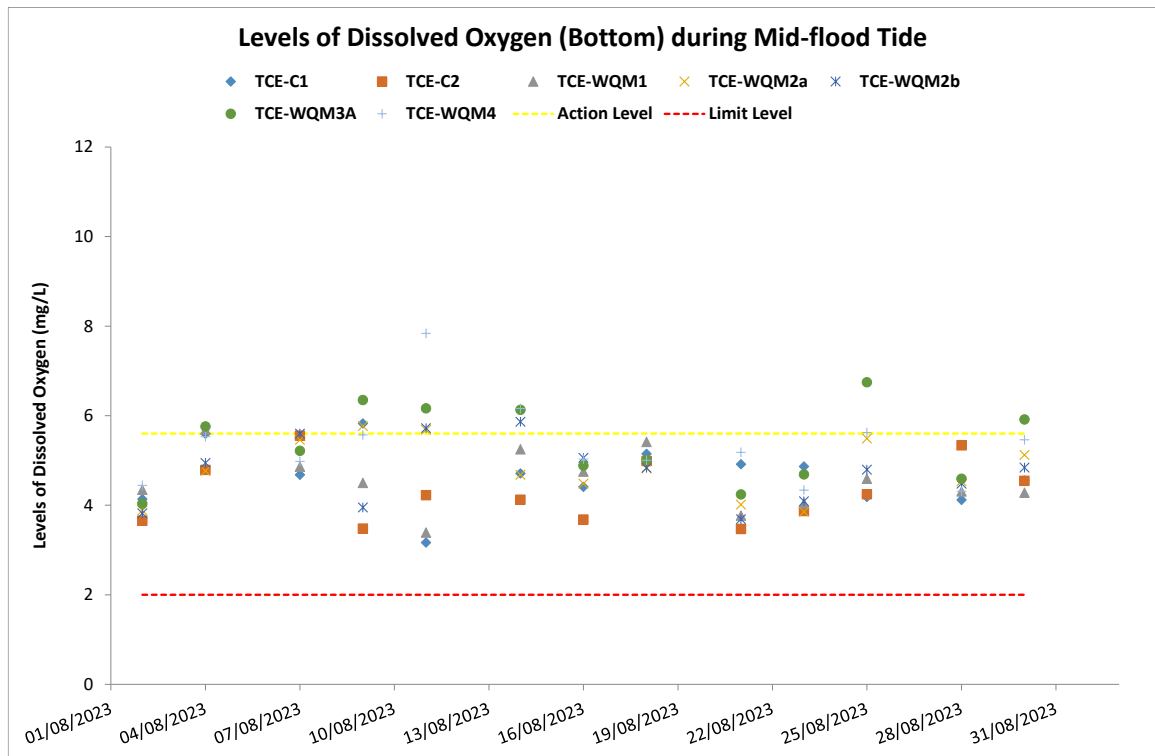


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2023

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

**Environmental
Resources
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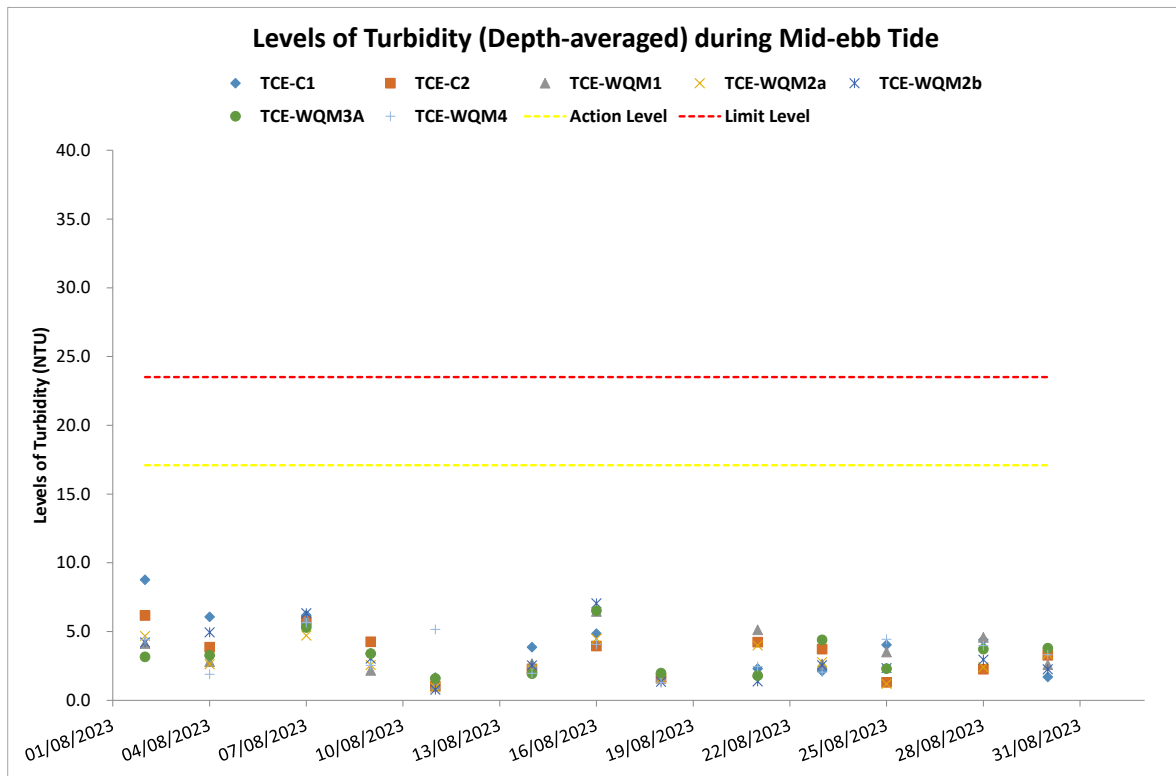


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2023

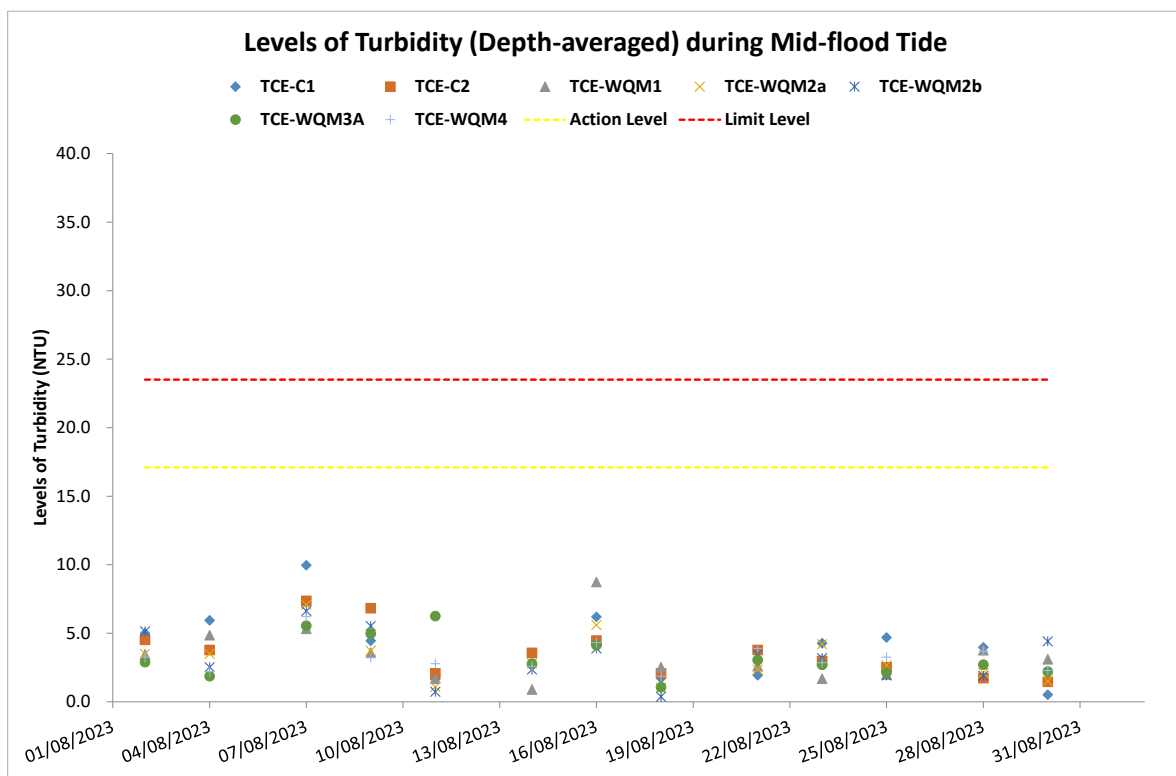
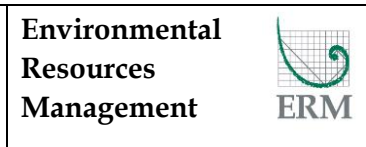


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2023

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



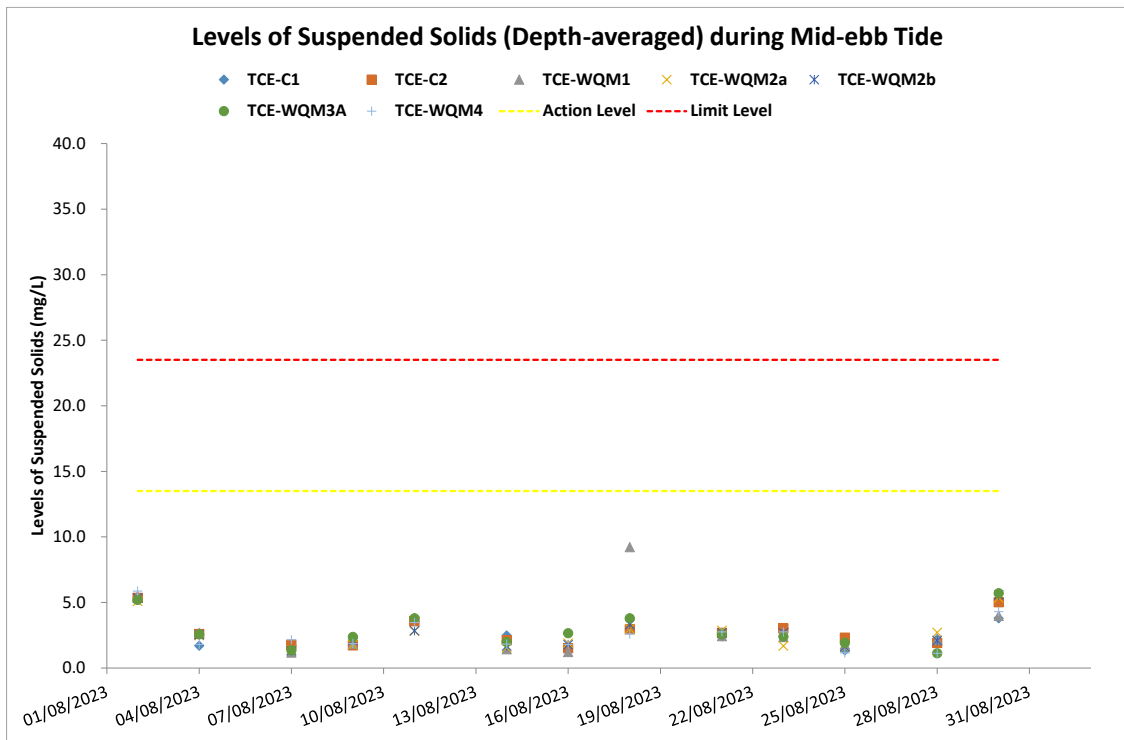


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2023

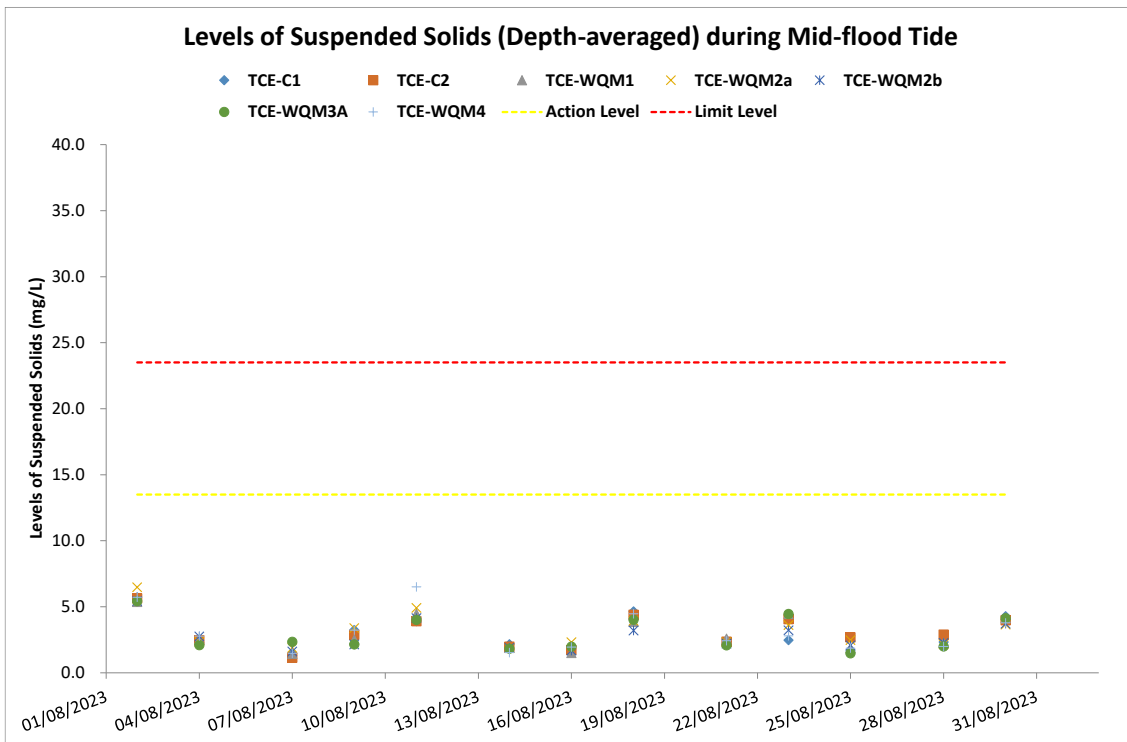


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2023

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

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Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-02	Mid-Ebb	TCE-C1	Sunny	Moderate	11:48	7.8	Surface	1.0	1	29.6	7.9	27.7	4.4	66.6	6.3	5.6	4.3	8.8	5.2
									2	29.6	7.9	27.7	4.4	66.6	6.3	6.0			
							Middle	3.9	1	29.2	7.9	27.9	4.2	64.0	9.6	5.4			
							Bottom	6.8	1	29.2	7.9	27.9	4.2	64.1	9.6	5.1			
				2	29.2	7.9	27.9	3.8	57.6	10.4	4.7								
				2	29.2	7.9	27.9	3.8	57.6	10.5	4.4								
		TCE-C2	Sunny	Calm	13:52	13.8	Surface	1.0	1	28.9	7.9	28.5	4.3	64.7	4.8	5.0	4.2	6.2	5.4
									2	28.9	7.9	28.5	4.3	64.6	4.8	4.6			
							Middle	6.9	1	28.7	7.9	28.7	4.1	61.6	5.7	5.5			
							Bottom	12.8	1	28.7	7.9	28.7	4.1	61.5	5.7	5.2			
				2	28.1	7.9	30.0	3.8	57.8	7.9	5.7								
				2	28.1	7.9	30.0	3.8	57.9	8.0	6.1								
	TCE-WQM1	Sunny	Calm	12:37	10.1	Surface	1.0	1	29.3	7.8	27.7	4.7	71.1	3.9	6.5	4.4	4.1	5.5	
								2	29.4	7.8	27.7	4.7	71.1	3.9	6.0				
						Middle	5.1	1	29.2	7.9	27.8	4.2	64.1	3.4	5.6				
						Bottom	9.1	1	29.2	7.8	27.8	4.2	64.1	3.4	5.2				
			2	29.2	7.8	28.0	4.0	60.2	5.0	4.7									
			2	29.2	7.8	28.0	4.0	60.2	5.0	5.0									
	TCE-WQM2a	Sunny	Calm	13:16	7.2	Surface	1.0	1	29.2	7.9	28.3	4.4	67.7	3.2	5.5	4.2	4.7	5.1	
								2	29.2	7.9	28.3	4.4	67.7	3.2	5.8				
						Middle	3.6	1	28.7	7.9	28.8	3.9	59.7	4.1	5.0				
						Bottom	6.2	1	28.7	7.9	28.8	3.9	59.7	4.1	5.2				
			2	28.0	7.9	30.2	3.7	56.4	6.8	4.6									
			2	28.0	7.9	30.2	3.7	56.4	6.8	4.4									
TCE-WQM2b	Sunny	Calm	13:32	9.9	Surface	1.0	1	29.6	7.9	27.9	4.5	69.6	3.4	4.8	4.4	4.2	5.4		
							2	29.7	7.9	27.8	4.6	69.8	3.4	4.5					
					Middle	5.0	1	29.2	7.9	28.2	4.3	66.2	2.8	5.2					
					Bottom	8.9	1	29.2	7.9	28.2	4.3	66.2	2.8	5.6					
		2	28.2	7.9	29.9	3.9	58.5	6.5	6.1										
		2	28.2	7.9	29.9	3.9	58.6	6.6	5.9										
TCE-WQM3A	Sunny	Calm	13:04	5.1	Surface	1.0	1	29.0	7.9	28.4	5.0	75.1	2.1	5.5	5.0	3.2	5.2		
							2	29.0	7.9	28.4	5.0	75.1	2.2	5.9					
					Bottom	4.1	1	28.8	7.9	28.8	4.3	65.4	4.1	4.6					
							2	28.8	7.9	28.8	4.3	65.4	4.2	4.8					
TCE-WQM4	Sunny	Calm	12:50	4.4	Surface	1.0	1	29.0	7.9	28.6	4.5	67.9	3.4	6.2	4.5	4.4	5.9		
							2	29.0	7.9	28.6	4.5	67.8	3.4	6.6					
					Bottom	3.4	1	28.7	7.8	29.1	4.1	61.8	5.4	5.1					
							2	28.7	7.8	29.1	4.1	62.0	5.4	5.6					
		2	28.2	7.9	29.9	3.9	58.5	6.5	6.1										
		2	28.2	7.9	29.9	3.9	58.6	6.6	5.9										
2023-08-02	Mid-Flood	TCE-C1	Fine	Moderate	7:04	7.3	Surface	1.0	1	29.6	7.8	27.6	4.2	64.8	4.1	6.2	4.2	5.0	5.7
									2	29.6	7.8	27.5	4.2	64.8	4.1	6.5			
							Middle	3.7	1	29.3	7.8	27.7	4.2	63.6	4.9	6.0			
							Bottom	6.3	1	29.3	7.8	27.6	4.2	63.6	4.9	5.6			
				2	29.2	7.8	28.1	4.1	63.0	5.9	4.8								
				2	29.2	7.8	28.1	4.1	63.1	6.0	5.2								
		TCE-C2	Fine	Moderate	5:05	13.2	Surface	1.0	1	29.1	7.9	28.0	4.6	69.8	1.9	5.2	4.1	4.5	5.6
									2	29.1	7.9	28.0	4.6	69.8	1.9	5.4			
							Middle	6.6	1	27.6	7.8	31.0	3.7	55.7	4.8	5.7			
							Bottom	12.2	1	27.6	7.8	31.0	3.7	55.7	4.7	5.4			
				2	27.2	7.9	31.8	3.7	55.0	7.0	6.2								
				2	27.2	7.9	31.8	3.7	55.1	6.9	5.9								
		TCE-WQM1	Fine	Moderate	6:13	9.2	Surface	1.0	1	29.9	7.9	27.1	5.0	77.0	1.7	6.2	4.7	3.5	5.4
									2	29.9	7.9	27.1	5.0	76.9	1.8	5.9			
							Middle	4.6	1	29.0	7.9	27.6	4.5	67.7	3.9	5.4			
							Bottom	8.2	1	29.0	7.9	27.6	4.5	67.8	3.9	5.0			
				2	28.8	7.9	28.4	4.3	66.1	4.8	5.0								
				2	28.8	7.9	28.4	4.4	66.1	4.7	4.7								
		TCE-WQM2a	Fine	Moderate	5:38	6.4	Surface	1.0	1	29.1	7.9	28.3	4.3	65.2	2.9	7.3	4.2	3.5	6.5
									2	29.1	7.9	28.3	4.3	65.2	2.9	6.9			
							Middle	3.2	1	28.6	7.9	28.9	4.0	61.2	3.2	6.5			
							Bottom	5.4	1	28.6	7.9	28.9	4.0	61.2	3.2	6.2			
				2	28.1	7.9	30.1	3.9	58.7	4.4	5.8								
				2	28.1	7.9	30.1	3.9	58.8	4.4	6.2								
TCE-WQM2b	Fine	Moderate	5:26	9.3	Surface	1.0	1	29.0	7.9	28.4	4.3	64.9	3.5	4.8	4.2	5.1	5.4		
							2	29.0	7.9	28.4	4.3	64.9	3.5	5.1					
					Middle	4.7	1	28.8	7.9	28.8	4.1	62.8	4.5	5.7					
					Bottom	8.3	1	28.8	7.9	28.8	4.1	62.8	4.5	5.4					
		2	28.0	7.9	30.2	3.8	57.7	7.5	5.6										
		2	28.0	7.9	30.2	3.8	57.8	7.5	6.0										
TCE-WQM3A	Fine	Calm	5:49	4.1	Surface	1.0	1	29.4	7.9	28.1	4.5	69.3	2.8	5.8	4.5	2.9	5.4		
							2	29.4	7.9	28.1	4.5	69.3	2.8	5.5					
					Bottom	3.1	1	28.6	7.9	29.0	4.0	61.1	3.0	5.1					
							2	28.6	7.9	29.0	4.0	61.2	3.0	5.3					
TCE-WQM4	Fine	Calm	6:01	3.9	Surface	1.0	1	29.8	7.9	27.2	5.0	77.1	2.2	5.2	5.0	3.2	5.7		
							2	29.7	7.9	27.2	5.0	77.0	2.2	5.6					
					Bottom	2.9	1	29.1	7.8	27.7	4.4	67.4	4.3	5.9					
							2	29.1	7.8	27.7	4.4	67.5	4.3	6.2					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged									
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)							
2023-08-07	Mid-Ebb	TCE-C1	Fine	Moderate	6:25	8.4	Surface	1.0	1	27.8	7.9	26.1	5.2	77.0	5.3	1.3	5.2	6.2	1.7							
							Middle	4.2	1	27.5	7.9	26.2	5.1	75.8	6.1	2.0										
							Bottom	7.4	1	27.4	7.9	26.6	5.1	75.2	7.1	2.1				5.1						
		TCE-C2	Fine	Moderate	4:20	13.9	Surface	1.0	1	27.8	7.9	26.5	5.5	82.0	3.1	3.0	5.0	5.7	1.8							
							Middle	7.0	1	26.3	7.9	29.5	4.6	67.9	6.0	1.5										
							Bottom	12.9	1	25.9	7.9	30.3	4.6	67.2	8.2	1.2				4.6						
		TCE-WQM1	Fine	Moderate	5:34	8.4	Surface	1.0	1	28.1	8.0	25.6	6.0	89.2	4.1	0.8	5.7	5.9	1.2							
							Middle	4.2	1	27.2	7.9	26.1	5.4	79.9	6.3	1.3										
							Bottom	7.4	1	27.0	8.0	26.9	5.3	78.3	7.2	1.2				5.3						
		TCE-WQM2a	Fine	Moderate	4:56	7.2	Surface	1.0	1	27.8	7.9	26.8	5.2	77.4	4.1	1.0	5.1	4.7	1.4							
							Middle	3.6	1	27.3	7.9	27.4	4.9	73.4	4.4	1.4										
							Bottom	6.2	1	26.8	7.9	28.6	4.8	70.9	5.6	1.4				4.8						
		TCE-WQM2b	Fine	Moderate	4:44	11.2	Surface	1.0	1	27.7	7.9	26.9	5.2	77.1	4.7	1.2	5.1	6.3	1.3							
							Middle	5.6	1	27.5	7.9	27.3	5.0	75.0	5.7	1.4										
							Bottom	10.2	1	26.7	7.9	28.7	4.7	69.9	8.7	1.6				4.7						
		TCE-WQM3A	Fine	Moderate	5:06	4.5	Surface	1.0	1	27.6	7.9	26.6	5.5	81.5	5.2	1.2	5.5	5.3	1.4							
							Bottom	3.5	1	26.8	7.9	27.5	5.0	73.3	5.4	1.0										
		TCE-WQM4	Fine	Moderate	5:19	3.4	Surface	1.0	1	28.0	7.9	25.7	6.0	89.3	4.6	1.8	6.0	5.6	2.2							
							Bottom	2.4	1	27.3	7.9	26.2	5.4	79.6	6.7	2.7										
		2023-08-07	Mid-Flood	TCE-C1	Fine	Moderate	10:11	8.5	Surface	1.0	1	28.2	7.9	26.2	5.3	78.8	7.5	2.0	5.2	10.0	1.5					
									Middle	4.3	1	27.8	7.9	26.4	5.1	76.2	10.8	1.7								
									Bottom	7.5	1	27.8	7.9	26.4	4.7	69.8	11.6	1.5				4.7				
TCE-C2	Fine			Moderate	12:15	14.2	Surface	1.0	1	27.5	8.0	27.0	6.0	89.1	6.0	0.25	5.9	7.4	1.2							
							Middle	7.1	1	27.3	7.9	27.2	5.8	86.0	6.9	1.2										
							Bottom	13.2	1	26.7	7.9	28.5	5.6	82.2	9.1	1.5				5.6						
TCE-WQM1	Fine			Moderate	11:02	10.3	Surface	1.0	1	27.9	7.9	26.2	5.6	83.3	5.1	1.4	5.4	5.3	1.4							
							Middle	5.2	1	27.8	7.9	26.3	5.1	76.3	4.6	1.6										
							Bottom	9.3	1	27.8	7.9	26.5	4.9	72.4	6.2	1.1				4.9						
TCE-WQM2a	Fine			Moderate	11:32	7.5	Surface	1.0	1	27.8	7.9	26.5	4.9	72.4	6.2	1.9	5.9	7.1	1.9							
							Middle	3.8	1	27.3	7.9	27.3	5.7	84.1	6.5	2.0										
							Bottom	6.5	1	26.6	7.9	28.7	5.5	80.8	9.2	2.9				5.5						
TCE-WQM2b	Fine			Moderate	11:41	10.8	Surface	1.0	1	28.2	7.9	26.4	6.3	94.0	5.8	1.3	6.2	6.6	1.6							
							Middle	5.4	1	27.8	7.9	26.7	6.1	90.6	5.2	1.8										
							Bottom	9.8	1	26.8	7.9	28.4	5.6	82.9	8.9	1.6				5.6						
TCE-WQM3A	Fine			Moderate	11:21	4.4	Surface	1.0	1	27.6	7.9	26.9	5.9	87.3	4.5	1.9	5.9	5.6	2.4							
							Bottom	3.4	1	27.4	7.9	27.3	5.2	77.6	6.5	2.8										
TCE-WQM4	Fine			Moderate	11:13	3.5	Surface	1.0	1	27.6	7.9	27.1	5.4	80.1	5.8	2.0	5.4	6.2	1.5							
							Bottom	2.5	1	27.3	7.9	27.6	5.0	74.0	6.6	1.3										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-09	Mid-Ebb	TCE-C1	Fine	Moderate	8:15	7.3	Surface	1.0	1	30.1	8.0	25.2	6.7	101.6	2.5	1.9	6.5	3.4	2.3
									2	30.1	8.0	25.2	6.7	101.6	2.5	1.6			
							Middle	3.7	1	30.0	8.0	25.5	6.3	96.1	3.3	2.3			
							Bottom	6.3	1	30.0	8.0	25.5	6.3	96.1	3.3	2.1			
				2	30.0	7.9	25.6	6.0	91.3	4.4	3.0								
				2	30.0	7.9	25.6	6.0	91.3	4.5	2.6								
		TCE-C2	Fine	Moderate	6:12	13.2	Surface	1.0	1	29.9	8.0	24.9	6.6	99.2	2.2	1.4	5.8	4.3	1.7
				2	29.9	8.0	24.9	6.6	99.2	2.2	1.1								
		Middle	6.6	1	28.9	7.9	28.0	5.0	76.0	4.3	1.8								
		Bottom	12.2	1	28.9	7.9	28.0	5.0	75.9	4.3	1.6								
				2	27.9	7.8	30.3	4.4	66.8	6.2	2.1								
				2	27.9	7.8	30.3	4.4	66.8	6.3	2.4								
	TCE-WQM1	Fine	Calm	7:26	8.9	Surface	1.0	1	30.1	8.0	23.5	6.9	103.5	1.5	2.2	6.3	2.2	1.8	
			2	30.1	8.0	23.5	6.9	103.5	1.6	2.4									
	Middle	4.5	1	29.9	7.9	25.8	5.7	87.3	2.3	1.7									
	Bottom	7.9	1	29.9	7.9	25.8	5.7	87.3	2.3	1.9									
			2	29.3	7.8	27.4	4.4	66.7	2.7	1.5									
			2	29.3	7.8	27.4	4.4	66.7	2.7	1.3									
	TCE-WQM2a	Fine	Calm	6:50	6.6	Surface	1.0	1	29.7	8.0	24.6	6.3	94.8	1.7	2.3	5.6	2.6	1.8	
			2	29.7	8.0	24.6	6.3	94.8	1.7	2.2									
	Middle	3.3	1	29.5	7.9	26.6	5.0	75.3	2.8	1.8									
	Bottom	5.6	1	29.5	7.9	26.6	5.0	75.3	2.8	1.7									
			2	28.8	7.8	28.3	4.4	66.8	3.2	1.2									
			2	28.8	7.8	28.3	4.4	66.8	3.2	1.5									
TCE-WQM2b	Fine	Moderate	6:37	9.1	Surface	1.0	1	29.8	7.9	24.9	6.6	100.1	1.4	2.4	6.4	3.0	2.1		
		2	29.8	7.9	24.9	6.6	100.2	1.4	2.6										
Middle	4.6	1	29.5	7.9	26.0	6.1	92.4	3.2	2.1										
Bottom	8.1	1	29.5	7.9	26.0	6.1	92.4	3.2	2.1										
		2	29.1	7.9	27.2	5.5	83.4	4.4	1.6										
		2	29.1	7.9	27.2	5.5	83.4	4.5	1.9										
TCE-WQM3A	Fine	Calm	7:02	4.4	Surface	1.0	1	29.8	8.0	24.4	6.7	100.4	3.4	1.9	6.7	3.4	2.4		
		2	29.8	8.0	24.4	6.7	100.4	3.4	1.6										
Bottom	3.4	1	29.7	7.9	25.7	5.6	85.3	3.4	3.2										
		2	29.7	7.9	25.7	5.6	85.3	3.5	2.8										
TCE-WQM4	Fine	Calm	7:13	3.9	Surface	1.0	1	29.9	7.9	25.8	5.8	87.6	2.2	1.4	5.8	2.5	1.9		
		2	29.9	7.9	25.8	5.8	87.6	2.3	1.7										
Bottom	2.9	1	29.6	7.8	26.6	5.0	76.6	2.8	2.3										
		2	29.6	7.8	26.6	5.0	76.6	2.9	2.1										
2023-08-09	Mid-Flood	TCE-C1	Sunny	Moderate	12:06	7.7	Surface	1.0	1	30.1	8.0	25.2	6.5	99.4	2.1	2.4	6.4	4.4	3.3
									2	30.1	8.0	25.2	6.5	99.4	2.2	2.6			
							Middle	3.9	1	30.0	7.9	25.4	6.3	95.5	3.6	3.0			
							Bottom	6.7	1	30.0	7.9	25.4	6.3	95.5	3.6	3.4			
				2	29.9	7.9	25.9	5.8	88.7	7.6	4.3								
				2	29.9	7.9	25.9	5.8	88.7	7.6	3.8								
		TCE-C2	Sunny	Calm	14:17	13.8	Surface	1.0	1	29.9	8.1	25.3	7.3	111.2	4.5	2.4	5.8	6.8	2.9
				2	29.9	8.1	25.3	7.3	111.2	4.5	2.2								
		Middle	6.9	1	27.7	7.9	30.4	4.2	63.3	6.8	2.6								
		Bottom	12.8	1	27.7	7.9	30.4	4.2	63.2	6.8	2.8								
				2	26.1	7.9	33.4	3.5	51.8	9.2	3.4								
				2	26.1	7.9	33.4	3.5	51.8	9.1	3.9								
	TCE-WQM1	Sunny	Calm	12:53	9.2	Surface	1.0	1	30.5	7.9	25.4	6.0	92.2	2.8	2.7	5.8	3.6	2.5	
			2	30.5	7.9	25.4	6.0	92.2	2.8	2.9									
	Middle	4.6	1	30.1	7.9	25.5	5.6	85.9	3.1	2.6									
	Bottom	8.2	1	30.1	7.9	25.5	5.6	85.9	3.1	2.5									
			2	29.3	7.8	27.9	4.5	68.5	4.8	2.1									
			2	29.3	7.8	27.9	4.5	68.6	4.8	2.3									
	TCE-WQM2a	Sunny	Calm	13:40	6.9	Surface	1.0	1	30.1	8.0	24.4	7.1	107.3	2.4	2.8	6.6	3.7	3.4	
			2	30.1	8.0	24.4	7.1	107.3	2.4	2.5									
	Middle	3.5	1	29.9	7.9	25.6	6.2	93.6	3.2	3.2									
	Bottom	5.9	1	29.9	7.9	25.6	6.2	93.6	3.2	3.6									
			2	29.7	7.9	26.1	5.8	87.7	5.6	4.3									
			2	29.7	7.9	26.1	5.8	87.7	5.6	3.9									
TCE-WQM2b	Sunny	Calm	13:54	10.3	Surface	1.0	1	29.8	8.0	25.3	6.8	103.7	2.5	2.7	6.5	5.5	2.2		
		2	29.8	8.0	25.3	6.8	103.6	2.6	2.4										
Middle	5.2	1	29.3	8.0	26.3	6.1	91.7	4.6	2.2										
Bottom	9.3	1	29.3	8.0	26.3	6.1	91.7	4.6	2.1										
		2	27.9	7.8	30.2	4.0	59.6	9.5	1.8										
		2	27.9	7.8	30.2	4.0	59.6	9.5	1.7										
TCE-WQM3A	Sunny	Calm	13:23	5.6	Surface	1.0	1	30.1	8.0	25.3	6.6	99.8	4.5	1.8	6.6	5.0	2.2		
		2	30.1	8.0	25.3	6.6	99.7	4.5	1.6										
Bottom	4.6	1	30.0	8.0	25.4	6.4	96.7	5.5	2.8										
		2	30.0	8.0	25.4	6.4	96.7	5.5	2.4										
TCE-WQM4	Sunny	Calm	13:11	5.1	Surface	1.0	1	30.0	8.0	25.4	6.4	96.8	3.0	3.6	6.4	3.2	3.2		
		2	30.0	8.0	25.4	6.4	96.7	3.0	3.4										
Bottom	4.1	1	29.8	7.9	26.2	5.6	84.8	3.4	3.1										
		2	29.8	7.9	26.2	5.6	84.8	3.5	2.8										

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)
2023-08-11	Mid-Ebb	TCE-C1	Rainy	Moderate	11:22	9.0	Surface	1.0	1	28.7	8.2	22.4	6.4	93.7	1.0	2.9	4.8	1.7	3.6
									2	28.7	8.2	22.4	6.4	93.3	0.9	2.6			
							Middle	4.5	1	26.7	7.9	29.9	3.2	47.0	1.3	3.9			
									2	26.7	7.9	29.9	3.2	47.0	1.3	3.4			
				1	26.5	7.9	30.3	3.3	49.2	2.7	4.2								
				2	26.5	7.9	30.3	3.4	49.5	2.7	4.4								
		TCE-C2	Rainy	Moderate	9:48	11.0	Surface	1.0	1	28.8	8.3	21.2	7.9	115.6	0.3	4.5	6.8	1.0	3.6
									2	28.8	8.3	21.2	7.9	115.4	0.3	4.2			
							Middle	5.5	1	27.7	8.1	26.2	5.6	82.5	1.1	3.4			
									2	27.6	8.1	26.2	5.6	82.4	1.1	3.8			
				1	27.1	8.0	27.7	4.5	65.6	1.7	2.9								
				2	27.1	8.0	27.7	4.5	65.7	1.7	2.6								
	TCE-WQM1	Rainy	Moderate	11:07	8.2	Surface	1.0	1	29.0	8.2	22.9	7.1	104.0	0.4	4.3	5.9	1.1	3.8	
								2	28.9	8.2	22.9	7.1	103.9	0.5	4.0				
						Middle	4.1	1	28.5	8.0	25.4	4.7	69.7	0.9	3.7				
								2	28.6	8.0	25.2	4.7	70.1	0.9	4.0				
			1	27.1	7.9	29.0	3.8	56.0	2.0	3.6									
			2	27.1	7.9	29.0	3.8	56.3	2.1	3.3									
	TCE-WQM2a	Rainy	Moderate	10:30	7.0	Surface	1.0	1	28.6	8.2	23.5	6.8	100.2	0.6	2.4	6.3	0.9	2.8	
								2	28.6	8.2	23.5	6.8	100.2	0.6	2.3				
						Middle	3.5	1	28.3	8.1	24.3	5.8	85.3	0.8	2.9				
								2	28.2	8.1	24.3	5.8	85.3	0.8	2.6				
			1	27.5	7.9	27.5	3.7	54.6	1.4	3.5									
			2	27.6	7.9	27.4	3.7	54.7	1.6	3.2									
TCE-WQM2b	Rainy	Moderate	10:18	10.8	Surface	1.0	1	28.2	8.1	24.8	5.6	81.8	0.2	3.6	4.9	0.8	2.9		
							2	28.2	8.1	24.8	5.6	81.6	0.2	3.2					
					Middle	5.4	1	27.9	8.0	26.0	4.3	64.0	1.0	2.6					
							2	27.9	8.0	26.0	4.3	63.5	1.0	3.0					
		1	26.9	7.9	28.3	3.5	51.8	1.1	2.2										
		2	26.8	7.9	28.5	3.5	51.9	1.1	2.5										
TCE-WQM3A	Rainy	Moderate	10:41	3.0	Surface	1.0	1	28.8	8.2	22.3	8.0	116.6	1.1	3.6	8.0	1.6	3.8		
							2	28.8	8.2	22.3	8.0	116.4	1.1	3.2					
					Bottom	2.0	1	28.7	8.2	22.7	7.3	107.6	2.0	4.4					
							2	28.7	8.2	22.7	7.3	106.9	2.1	4.0					
TCE-WQM4	Rainy	Moderate	10:50	4.0	Surface	1.0	1	28.9	8.1	22.6	6.9	101.7	3.7	2.8	6.9	5.2	3.5		
							2	28.9	8.1	22.6	6.9	101.9	3.7	3.1					
					Bottom	3.0	1	27.4	7.9	28.0	3.5	51.3	6.7	3.8					
							2	27.4	7.9	27.9	3.5	51.9	6.7	4.2					
2023-08-11	Mid-Flood	TCE-C1	Fine	Moderate	20:28	9.2	Surface	1.0	1	28.8	8.2	22.3	6.9	101.0	1.1	3.3	5.1	1.7	3.9
									2	28.9	8.2	22.3	6.9	100.8	1.1	3.0			
							Middle	4.6	1	27.0	7.9	29.0	3.3	48.9	1.5	3.8			
									2	27.0	7.9	29.1	3.3	48.9	1.4	4.1			
				1	26.6	7.9	30.3	3.2	46.6	2.4	4.8								
				2	26.6	7.9	30.3	3.2	46.8	2.4	4.4								
		TCE-C2	Fine	Moderate	21:51	11.4	Surface	1.0	1	28.5	8.1	24.1	6.8	99.6	1.1	4.6	5.5	2.1	3.9
									2	28.5	8.1	23.7	6.7	99.8	1.1	4.4			
							Middle	5.7	1	27.6	8.0	26.5	4.3	62.7	2.1	3.7			
									2	27.6	8.0	26.5	4.3	62.5	2.2	4.0			
				1	26.3	8.0	29.1	4.2	62.1	3.0	3.2								
				2	26.3	8.0	29.1	4.2	62.0	3.0	3.5								
		TCE-WQM1	Fine	Moderate	20:46	6.8	Surface	1.0	1	29.0	8.2	22.9	7.3	107.0	0.3	4.0	6.0	1.7	4.5
									2	29.0	8.2	22.9	7.2	106.8	0.3	3.8			
							Middle	3.4	1	29.0	8.0	24.1	4.8	71.7	1.4	4.4			
									2	29.0	8.0	24.1	4.8	71.7	1.4	4.4			
				1	26.9	7.9	29.4	3.4	49.8	3.3	5.2								
				2	26.9	7.9	29.4	3.4	50.4	3.3	5.0								
		TCE-WQM2a	Fine	Moderate	21:15	7.2	Surface	1.0	1	28.9	8.2	23.2	7.9	117.0	1.0	5.8	7.3	1.1	4.9
									2	28.9	8.2	23.2	7.9	117.0	1.0	5.4			
							Middle	3.6	1	28.6	8.2	23.8	6.7	99.4	1.1	5.1			
									2	28.6	8.2	23.9	6.7	99.3	1.1	4.8			
				1	27.8	8.0	25.0	5.7	83.5	1.2	4.0								
				2	27.7	8.2	24.6	5.7	82.3	1.2	4.4								
TCE-WQM2b	Fine	Moderate	21:30	10.0	Surface	1.0	1	28.5	8.1	22.8	6.5	95.0	0.1	3.4	6.3	0.7	4.2		
							2	28.4	8.1	22.8	6.5	95.0	0.1	3.7					
					Middle	5.0	1	28.3	8.1	23.4	6.2	90.3	0.8	4.4					
							2	28.3	8.1	23.5	6.2	90.3	0.8	4.0					
		1	28.2	8.1	24.2	5.7	84.0	1.3	4.6										
		2	28.2	8.1	24.3	5.7	83.8	1.3	4.8										
TCE-WQM3A	Fine	Moderate	21:07	3.4	Surface	1.0	1	28.8	8.2	23.0	7.0	103.0	5.4	4.5	7.1	6.3	4.0		
							2	28.8	8.2	23.0	7.3	106.7	5.4	4.2					
					Bottom	2.4	1	28.5	8.2	24.2	6.3	92.2	7.1	3.8					
							2	28.4	8.1	24.3	6.1	89.4	7.1	3.5					
TCE-WQM4	Fine	Moderate	20:58	3.0	Surface	1.0	1	28.9	8.3	22.7	8.3	122.5	2.2	7.2	8.3	2.8	6.5		
							2	28.9	8.3	22.7	8.3	122.8	2.2	6.9					
					Bottom	2.0	1	28.9	8.3	22.9	7.9	115.6	3.4	5.8					
							2	28.9	8.3	23.0	7.8	115.3	3.3	6.1					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-14	Mid-Ebb	TCE-C1	Cloudy	Rough	10:37	7.9	Surface	1.0	1	28.3	8.2	21.4	6.7	96.3	2.6	1.7	6.4	3.9	2.5
									2	28.3	8.2	21.4	6.7	96.3	2.6	2.2			
							Middle	4.0	1	28.3	8.1	21.7	6.2	90.4	3.6	1.9			
									2	28.3	8.1	21.7	6.2	90.4	3.6	1.8			
							Bottom	6.9	1	28.3	8.0	23.2	4.8	69.9	5.4	3.5			
									2	28.3	8.0	23.2	4.8	69.9	5.5	3.8			
				1	28.2	8.2	21.3	7.0	101.4	1.0	2.4								
				2	28.2	8.2	21.3	7.0	101.4	1.1	3.1								
		Middle	6.7	1	27.7	8.1	22.7	5.9	84.5	2.4	1.4								
				2	27.7	8.1	22.7	5.9	84.5	2.5	2.1								
		Bottom	12.3	1	25.3	8.0	29.6	4.0	58.2	3.4	1.4								
				2	25.3	8.0	29.6	4.1	58.3	3.4	2.3								
			1	28.4	8.2	21.9	6.2	90.4	2.0	0.9									
			2	28.4	8.2	21.9	6.2	90.4	2.0	1.6									
	Middle	4.7	1	27.5	8.0	24.7	4.3	62.5	2.6	1.5									
			2	27.5	8.0	24.7	4.3	62.5	2.6	1.4									
	Bottom	8.3	1	26.8	7.9	27.6	3.5	51.3	3.4	1.9									
			2	26.8	7.9	27.6	3.5	51.6	3.4	1.3									
			1	28.1	8.1	22.9	5.7	83.4	1.2	1.4									
			2	28.1	8.1	22.9	5.7	83.4	1.2	1.0									
	Middle	3.6	1	27.5	8.0	24.9	4.8	70.2	2.0	1.9									
			2	27.5	8.0	24.9	4.8	70.2	2.0	1.6									
	Bottom	6.1	1	25.8	8.0	28.9	4.1	58.6	3.4	1.7									
			2	25.8	8.0	28.9	4.1	58.6	3.5	1.8									
		1	27.9	8.1	22.5	5.7	82.9	1.6	1.9										
		2	27.9	8.1	22.5	5.7	82.9	1.6	1.2										
Middle	5.2	1	27.6	8.1	23.8	5.6	80.4	2.9	1.4										
		2	27.6	8.1	23.8	5.6	80.4	2.9	1.9										
Bottom	9.3	1	25.9	8.0	28.3	4.2	61.3	3.1	2.0										
		2	25.9	8.0	28.4	4.2	61.2	3.2	1.7										
		1	28.3	8.1	22.0	6.3	90.9	1.2	2.1										
		2	28.3	8.1	22.0	6.3	90.8	1.2	1.7										
Bottom	4.2	1	27.7	8.0	23.7	4.9	70.4	2.7	2.2										
		2	27.7	8.0	23.7	4.9	70.4	2.7	1.9										
		1	28.1	8.1	22.5	5.8	83.4	1.5	1.6										
		2	28.1	8.1	22.5	5.8	83.4	1.5	1.3										
Bottom	3.7	1	27.7	8.0	24.3	4.8	70.0	2.5	2.5										
		2	27.7	8.0	24.3	4.8	70.1	2.5	1.9										
		1	22.2	6.2	89.3	1.6	2.1	5.8	2.2										
		2	22.2	6.2	89.3	1.6	1.4	5.8	2.2										
Middle	3.8	1	27.5	8.1	23.6	5.5	79.4	2.9	2.9										
		2	27.5	8.1	23.6	5.5	79.4	2.9	2.2										
Bottom	6.5	1	26.1	8.0	27.3	4.7	68.1	3.4	1.6										
		2	26.1	8.0	27.4	4.7	68.1	3.5	2.8										
		1	27.8	8.2	21.4	6.7	97.1	2.4	2.2										
		2	27.8	8.2	21.4	6.7	97.1	2.4	1.8										
Middle	6.5	1	26.8	8.1	24.8	5.7	81.6	3.6	2.4										
		2	26.8	8.1	24.8	5.7	81.6	3.6	2.2										
Bottom	11.9	1	24.7	8.0	30.2	4.1	59.3	4.7	1.7										
		2	24.7	8.0	30.2	4.1	59.3	4.7	1.6										
		1	27.7	8.1	22.4	6.0	87.4	0.7	1.4										
		2	27.7	8.1	22.4	6.0	87.4	0.7	2.0										
Middle	4.5	1	27.3	8.0	24.2	5.3	76.2	0.9	2.0										
		2	27.3	8.0	24.2	5.3	76.2	0.9	2.0										
Bottom	7.9	1	27.4	8.0	24.0	5.3	76.2	1.1	2.2										
		2	27.4	8.0	24.0	5.3	76.3	1.1	1.8										
		1	27.9	8.2	20.0	6.9	99.5	2.1	1.7										
		2	27.9	8.2	20.0	6.9	99.5	2.1	2.1										
Middle	3.4	1	27.5	8.1	22.4	5.6	81.1	2.3	1.2										
		2	27.5	8.1	22.4	5.6	81.1	2.4	1.6										
Bottom	5.8	1	26.3	8.0	26.0	4.7	67.4	3.9	1.4										
		2	26.3	8.0	26.0	4.7	67.4	3.9	3.2										
		1	27.8	8.2	21.5	6.8	97.8	1.9	1.4										
		2	27.8	8.2	21.5	6.8	97.8	1.9	2.1										
Middle	5.0	1	27.5	8.2	22.4	6.5	93.5	2.0	1.7										
		2	27.5	8.2	22.4	6.5	93.4	2.1	1.6										
Bottom	8.9	1	26.7	8.1	25.2	5.9	84.7	3.1	2.0										
		2	26.7	8.1	25.2	5.9	84.7	3.1	2.6										
		1	27.9	8.1	20.5	6.6	94.7	2.1	2.3										
		2	27.9	8.1	20.5	6.6	94.7	2.1	1.7										
Bottom	3.8	1	27.8	8.1	21.3	6.1	88.3	3.4	1.6										
		2	27.8	8.1	21.3	6.1	88.3	3.5	1.7										
		1	27.9	8.2	20.0	6.9	99.4	2.0	1.3										
		2	27.9	8.2	20.0	6.9	99.4	2.1	1.4										
Bottom	3.2	1	27.8	8.1	21.4	6.2	88.8	3.2	1.6										
		2	27.8	8.1	21.4	6.2	88.8	3.2	1.8										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-16	Mid-Ebb	TCE-C1	Fine	Moderate	11:38	8.7	Surface	1.0	1	28.7	8.2	24.2	5.6	83.1	3.0	1.1	5.1	4.9	1.6
									2	28.7	8.2	24.2	5.6	83.1	3.0	1.2			
							Middle	4.4	1	28.0	8.1	25.5	4.5	66.5	5.5	1.4			
							Bottom	7.7	1	27.9	8.1	26.0	4.2	62.8	6.0	2.1			
				2	27.9	8.1	26.0	4.2	62.8	6.0	2.2								
		TCE-C2	Fine	Moderate	13:48	14.0	Surface	1.0	1	28.9	8.1	23.6	5.9	87.7	1.6	1.2	5.7	4.0	1.5
									2	28.9	8.1	23.6	5.9	87.6	1.6	1.4			
							Middle	7.0	1	28.3	8.1	24.5	5.5	80.7	4.3	1.3			
							Bottom	13.0	1	28.3	8.1	24.5	5.5	80.1	4.5	1.6			
				2	28.1	8.1	24.9	5.3	77.6	5.9	1.7								
				2	28.1	8.1	24.9	5.3	77.8	5.8	1.9								
		TCE-WQM1	Fine	Moderate	12:32	8.1	Surface	1.0	1	29.2	8.1	23.8	5.5	82.3	5.7	1.8	5.2	6.5	1.2
								2	29.2	8.1	23.8	5.5	82.1	5.6	1.6				
	Middle						4.1	1	28.3	8.1	25.0	4.9	71.6	6.6	1.4				
	Bottom						7.1	1	28.3	8.1	25.0	4.9	71.6	6.7	1.2				
			2	28.2	8.1	25.2	4.8	70.8	7.0	0.7									
			2	28.2	8.1	25.2	4.8	70.8	7.0	0.6									
	TCE-WQM2a	Fine	Moderate	13:00	6.8	Surface	1.0	1	28.2	8.2	24.8	5.0	74.1	3.7	1.3	4.9	4.5	1.9	
								2	28.2	8.2	24.8	5.0	74.1	3.7	1.6				
						Middle	3.4	1	27.8	8.3	25.4	4.8	69.8	4.1	1.9				
						Bottom	5.8	1	27.8	8.3	25.4	4.8	69.8	4.1	1.7				
			2	26.3	8.3	28.6	4.2	61.4	6.0	2.6									
			2	26.3	8.3	28.6	4.2	61.6	5.4	2.3									
	TCE-WQM2b	Fine	Moderate	13:13	11.3	Surface	1.0	1	29.1	8.2	22.7	5.9	86.6	1.7	1.4	5.2	7.1	1.8	
							2	29.0	8.2	22.7	5.9	86.4	1.7	1.3					
Middle						5.7	1	27.2	8.3	26.7	4.6	66.6	7.2	1.7					
Bottom						10.3	1	26.8	8.3	27.5	4.1	60.9	12.0	2.2					
		2	26.8	8.3	27.6	4.1	60.9	12.3	2.2										
TCE-WQM3A	Fine	Moderate	12:52	4.5	Surface	1.0	1	28.6	8.2	23.7	4.9	72.4	4.8	3.2	4.9	6.5	2.7		
							2	28.6	8.2	23.7	4.9	72.3	4.8	2.8					
					Bottom	3.5	1	27.8	8.1	25.4	4.4	63.7	8.3	2.2					
							2	27.8	8.1	25.4	4.4	63.8	8.3	2.4					
TCE-WQM4	Fine	Moderate	12:43	3.4	Surface	1.0	1	29.4	8.1	23.0	5.9	88.2	2.4	1.3	5.9	4.1	1.8		
							2	29.4	8.1	23.0	5.9	88.2	2.4	1.4					
					Bottom	2.4	1	29.4	8.1	23.1	5.4	80.8	5.8	2.1					
							2	29.4	8.1	23.1	5.4	80.8	5.7	2.4					
		2	28.2	8.1	24.5	5.3	77.9	3.1	1.6										
		2	28.2	8.1	24.6	5.2	77.1	3.5	1.4										
TCE-C1	Fine	Moderate	7:22	9.1	Surface	1.0	1	28.2	8.1	24.5	5.3	77.9	3.1	1.6	4.8	6.2	1.8		
							2	28.2	8.1	24.6	5.2	77.1	3.5	1.4					
					Middle	4.6	1	27.7	8.0	25.7	4.5	65.6	5.4	1.9					
					Bottom	8.1	1	27.7	8.0	25.7	4.4	65.4	5.5	1.7					
		2	27.5	8.0	26.3	4.4	65.0	9.8	2.1										
		2	27.5	8.0	26.3	4.4	65.1	9.9	2.2										
TCE-C2	Fine	Moderate	5:06	14.1	Surface	1.0	1	27.8	8.1	24.1	5.2	76.5	1.5	2.4	4.8	4.5	1.7		
							2	27.8	8.1	24.2	5.2	76.4	1.5	2.2					
					Middle	7.1	1	26.4	8.0	27.5	4.5	64.7	1.6	1.8					
					Bottom	13.1	1	26.4	8.0	27.5	4.4	64.7	1.6	1.6					
		2	24.9	8.0	30.6	3.7	53.0	10.5	1.3										
		2	24.8	8.0	30.8	3.7	53.3	10.3	1.1										
TCE-WQM1	Fine	Moderate	6:25	8.5	Surface	1.0	1	28.7	8.2	23.9	5.6	83.2	7.1	1.9	5.4	8.7	1.5		
							2	28.7	8.2	23.9	5.6	83.1	7.1	1.7					
					Middle	4.3	1	28.2	8.2	24.7	5.1	76.0	9.0	1.5					
					Bottom	7.5	1	28.1	8.2	24.8	5.1	76.0	8.2	1.4					
		2	28.0	8.1	25.0	4.8	70.2	10.7	1.2										
		2	28.0	8.1	25.0	4.8	70.2	10.4	1.3										
TCE-WQM2a	Fine	Moderate	5:53	7.0	Surface	1.0	1	28.1	8.2	24.1	5.1	74.9	2.6	3.0	5.0	5.6	2.3		
							2	28.1	8.2	24.1	5.1	74.9	2.6	2.8					
					Middle	3.5	1	27.7	8.3	24.7	4.9	71.2	3.6	2.4					
					Bottom	6.0	1	27.7	8.3	24.7	4.9	71.1	3.8	2.1					
		2	25.8	8.3	28.9	4.5	65.1	10.4	1.7										
		2	25.8	8.3	28.9	4.5	65.2	10.6	1.9										
TCE-WQM2b	Fine	Moderate	5:40	10.6	Surface	1.0	1	28.9	8.1	22.3	6.2	91.8	1.2	1.1	5.7	3.9	1.7		
							2	28.9	8.1	22.3	6.2	91.7	1.2	1.3					
					Middle	5.3	1	27.6	7.9	24.8	5.1	74.9	2.8	1.6					
					Bottom	9.6	1	27.6	7.9	24.8	5.1	74.8	2.8	1.8					
		2	27.4	7.8	25.5	5.1	74.0	7.8	2.1										
		2	27.4	7.8	25.5	5.1	74.2	7.6	2.2										
TCE-WQM3A	Fine	Moderate	6:03	4.5	Surface	1.0	1	28.6	8.1	22.8	5.4	79.6	3.0	2.3	5.4	4.1	2.0		
							2	28.6	8.1	22.8	5.4	79.5	3.0	2.7					
					Bottom	3.5	1	27.9	8.1	24.5	4.9	71.7	5.3	1.6					
							2	27.9	8.1	24.5	4.9	71.9	5.2	1.3					
TCE-WQM4	Fine	Moderate	6:13	4.1	Surface	1.0	1	28.9	8.1	22.5	5.6	83.1	2.6	1.6	5.6	4.3	2.0		
							2	28.9	8.1	22.6	5.6	83.1	2.6	1.7					
					Bottom	3.1	1	28.7	8.1	23.4	5.0	74.6	6.0	2.0					
							2	28.7	8.1	23.4	5.0	74.6	6.1	2.5					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
2023-08-18	Mid-Ebb	TCE-C1	Misty	Moderate	12:41	9.0	Surface	1.0	1	28.9	8.1	24.1	5.1	76.0	1.1	3.3	5.1	1.7	3.8		
									2	28.9	8.1	24.0	5.1	76.0	1.1	3.0					
							Middle	4.5	1	28.8	8.1	24.1	5.1	76.0	1.4	3.6					
									2	28.8	8.1	24.2	5.1	76.0	1.5	3.9					
							Bottom	8.0	1	28.9	8.1	24.0	5.1	76.3	2.6	4.3					
									2	28.9	8.1	24.0	5.1	76.4	2.6	4.5					
		TCE-C2	Misty	Moderate	14:33	10.6	Surface	1.0	1	28.4	8.2	24.0	5.0	73.4	0.2	2.2	4.9	1.6	3.0		
									2	28.3	8.2	24.1	5.0	73.3	0.2	2.4					
							Middle	5.3	1	28.1	8.2	24.6	4.8	70.8	1.5	2.7					
									2	28.1	8.2	24.6	4.8	70.8	1.4	3.0					
							Bottom	9.6	1	27.0	8.3	27.0	4.5	66.2	3.1	3.5					
									2	27.0	8.3	27.0	4.6	66.5	3.1	3.9					
		TCE-WQM1	Misty	Moderate	13:24	7.8	Surface	1.0	1	29.0	8.1	23.2	5.2	77.5	1.0	8.3	5.2	1.7	9.2		
									2	29.0	8.1	23.2	5.2	77.5	1.0	8.1					
							Middle	3.9	1	28.7	8.1	24.1	5.2	76.3	1.8	9.0					
									2	28.7	8.1	24.1	5.2	76.3	1.8	9.5					
							Bottom	6.8	1	28.6	8.1	24.4	5.2	76.3	2.4	10.4					
									2	28.6	8.1	24.4	5.2	76.4	2.4	10.0					
		TCE-WQM2a	Misty	Moderate	13:58	7.6	Surface	1.0	1	28.2	8.2	24.7	4.8	70.5	1.0	2.5	4.7	1.6	3.0		
									2	28.2	8.2	24.7	4.8	70.5	1.0	2.2					
							Middle	3.8	1	28.0	8.2	25.3	4.6	67.3	1.6	3.2					
									2	28.0	8.2	25.3	4.6	67.3	1.5	2.8					
							Bottom	6.6	1	27.7	8.2	25.7	4.6	67.4	2.3	3.8					
									2	27.7	8.2	25.7	4.6	67.5	2.3	3.5					
	TCE-WQM2b	Misty	Moderate	14:11	9.2	Surface	1.0	1	28.1	8.2	24.6	4.9	72.4	1.0	2.6	4.9	1.3	3.3			
								2	28.1	8.2	24.6	4.9	72.4	1.0	2.4						
						Middle	4.6	1	28.0	8.2	24.8	4.9	71.9	1.4	3.3						
								2	28.0	8.2	24.8	4.9	71.9	1.3	3.6						
						Bottom	8.2	1	28.0	8.2	24.9	5.0	73.7	1.7	3.8						
								2	28.0	8.2	24.9	5.0	73.9	1.7	4.2						
	TCE-WQM3A	Misty	Moderate	13:48	3.8	Surface	1.0	1	28.5	8.1	23.8	4.7	68.6	0.9	4.4	4.7	2.0	3.8			
								2	28.5	8.1	23.8	4.7	68.5	1.0	4.8						
						Bottom	2.8	1	28.1	8.1	24.9	4.5	66.1	3.0	2.8						
								2	28.1	8.1	24.9	4.5	66.2	3.0	3.2						
						Surface	1.0	1	29.0	8.1	23.7	4.9	73.1	1.1	2.4				4.9	1.3	2.6
								2	29.0	8.1	23.7	4.9	73.1	1.1	2.0						
	Bottom	3.4	1	28.9	8.1	23.8	4.8	71.0	1.5	2.8											
			2	28.9	8.1	23.8	4.8	71.1	1.5	3.2											
	Surface	1.0	1	28.9	8.1	24.0	5.1	76.0	1.1	4.3	5.1	1.7	4.7								
			2	28.9	8.1	24.0	5.1	76.0	1.1	4.1											
	Middle	4.5	1	28.8	8.1	24.1	5.1	76.0	1.4	4.7											
			2	28.8	8.1	24.1	5.1	76.0	1.5	4.5											
	Bottom	8.0	1	28.9	8.1	24.1	5.2	76.3	2.6	5.3											
			2	28.9	8.1	24.1	5.2	76.4	2.6	5.0											
	TCE-C2	Rainy	Moderate	7:37	10.0	Surface	1.0	1	27.9	8.0	25.0	5.2	76.1	1.0	3.4	5.0	2.1	4.4			
								2	27.9	8.0	25.1	5.1	75.2	1.0	3.0						
						Middle	5.0	1	27.5	7.9	26.0	4.9	71.4	2.0	4.5						
								2	27.4	7.9	26.1	4.9	71.5	2.0	4.3						
Bottom						9.0	1	27.2	7.9	27.0	5.0	72.9	3.2	5.4							
							2	27.2	7.9	26.9	5.0	73.3	3.2	5.8							
TCE-WQM1	Rainy	Moderate	8:56	8.2	Surface	1.0	1	28.9	8.1	24.0	5.2	77.1	1.3	4.8	5.3	2.5	3.9				
							2	28.9	8.1	24.1	5.2	77.2	1.3	4.3							
					Middle	4.1	1	28.8	8.1	24.2	5.3	78.4	2.6	4.0							
							2	28.8	8.1	24.2	5.3	78.6	2.5	3.6							
					Bottom	7.2	1	28.8	8.1	24.2	5.4	80.0	3.7	3.3							
							2	28.8	8.1	24.2	5.4	80.3	3.8	3.2							
TCE-WQM2a	Rainy	Moderate	8:19	8.2	Surface	1.0	1	28.1	8.1	24.5	5.2	75.6	0.8	4.5	5.0	1.0	3.9				
							2	28.1	8.1	24.5	5.2	75.6	0.8	4.8							
					Middle	4.1	1	27.7	8.0	25.6	4.8	69.9	1.1	4.0							
							2	27.7	8.0	25.6	4.8	69.9	1.1	3.7							
					Bottom	7.2	1	27.6	8.0	25.7	4.8	70.7	1.2	3.1							
							2	27.7	8.0	25.6	4.8	70.9	1.2	3.5							
TCE-WQM2b	Rainy	Moderate	8:07	10.8	Surface	1.0	1	28.1	8.1	24.6	5.2	75.7	0.0	2.4	5.0	0.4	3.2				
							2	28.1	8.1	24.7	5.2	75.5	0.0	2.7							
					Middle	5.4	1	27.7	8.0	25.6	4.8	70.0	0.1	3.2							
							2	27.7	8.0	25.6	4.8	70.0	0.1	3.0							
					Bottom	9.8	1	27.6	8.0	25.8	4.8	70.8	1.0	3.8							
							2	27.7	8.0	25.6	4.8	71.0	1.0	4.1							
TCE-WQM3A	Rainy	Moderate	8:30	4.0	Surface	1.0	1	27.8	8.2	24.9	4.9	70.9	1.0	3.6	4.9	1.1	4.0				
							2	27.7	8.2	25.0	4.9	70.9	1.0	3.2							
					Bottom	3.0	1	26.9	8.2	27.3	5.0	73.0	1.1	4.5							
							2	26.9	8.2	27.3	5.0	73.4	1.1	4.8							
					Surface	1.0	1	28.5	8.1	23.7	5.0	73.0	1.4	5.6				5.0	1.9	4.5	
							2	28.5	8.1	23.7	5.0	73.1	1.5	5.3							
Bottom	3.0	1	28.4	8.1	24.2	5.0	73.5	2.3	3.7												
		2	28.4	8.1	24.2	5.0	73.7	2.3	3.3												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-21	Mid-Ebb	TCE-C1	Fine	Rough	14:06	7.9	Surface	1.0	1	28.4	8.0	23.9	5.0	73.9	1.3	2.3	5.0	2.3	2.4
									2	28.4	8.0	23.9	5.0	73.8	1.3	2.2			
							Middle	4.0	1	28.4	8.0	23.9	4.9	71.8	2.6	2.2			
							Bottom	6.9	1	27.9	7.9	24.8	4.5	66.2	3.0	2.8			
				2	27.9	7.9	24.8	4.5	66.2	3.0	2.6								
		TCE-C2	Fine	Moderate	16:14	13.1	Surface	1.0	1	26.4	8.2	28.3	4.4	63.5	2.5	2.5	4.2	4.2	2.7
									2	26.4	8.2	28.3	4.4	63.5	2.6	2.3			
							Middle	6.6	1	25.8	8.1	29.2	4.1	59.5	3.7	2.8			
							Bottom	12.1	1	25.1	8.1	29.2	4.1	59.5	3.8	2.6			
				2	25.1	8.1	30.3	3.9	55.4	6.4	3.1								
				2	25.1	8.1	30.3	3.9	55.4	6.4	2.8								
		TCE-WQM1	Fine	Calm	14:57	10.1	Surface	1.0	1	28.5	8.0	23.9	5.0	73.6	3.8	3.1	4.7	5.1	2.4
								2	28.5	8.0	23.9	5.0	73.6	3.8	2.7				
	Middle						5.1	1	28.5	8.0	23.9	4.4	64.2	5.2	2.2				
	Bottom						9.1	1	28.5	8.0	23.9	4.4	64.2	5.1	2.5				
			2	28.3	7.9	24.1	4.2	61.5	6.4	2.1									
			2	28.3	7.9	24.1	4.2	61.5	6.4	2.0									
	TCE-WQM2a	Fine	Moderate	15:34	7.4	Surface	1.0	1	28.4	8.1	23.8	4.9	72.6	3.1	3.5	4.5	4.0	2.9	
								2	28.4	8.1	23.8	4.9	72.6	3.1	3.2				
						Middle	3.7	1	26.7	8.2	27.1	4.1	59.4	5.7	2.7				
						Bottom	6.4	1	26.7	8.2	27.1	4.1	59.4	5.7	3.0				
			2	26.1	8.2	28.5	4.0	58.6	3.2	2.5									
			2	26.1	8.2	28.5	4.0	58.6	3.2	2.3									
	TCE-WQM2b	Fine	Moderate	15:49	9.7	Surface	1.0	1	28.3	8.1	24.1	5.1	74.7	1.4	2.1	4.8	1.4	2.7	
							2	28.3	8.1	24.1	5.1	74.7	1.4	2.3					
Middle						4.9	1	27.6	8.2	25.6	4.5	65.5	1.5	2.8					
Bottom						8.7	1	27.6	8.2	25.6	4.5	65.4	1.5	2.5					
		2	25.9	8.2	28.9	4.0	58.2	1.3	3.0										
		2	25.9	8.2	28.9	4.0	58.3	1.3	3.4										
TCE-WQM3A	Fine	Calm	15:24	5.3	Surface	1.0	1	28.4	8.0	23.7	4.9	71.5	1.2	2.2	4.9	1.8	2.6		
							2	28.4	8.0	23.7	4.9	71.5	1.2	2.4					
					Bottom	4.3	1	28.2	8.0	23.9	4.7	68.5	2.4	2.9					
		2	28.2	8.0	23.9	4.7	68.5	2.4	2.8										
TCE-WQM4	Fine	Calm	15:13	4.8	Surface	1.0	1	28.4	8.0	23.7	5.3	77.8	1.2	3.9	5.3	2.5	2.8		
							2	28.4	8.0	23.7	5.3	77.8	1.2	2.6					
					Bottom	3.8	1	28.1	7.9	24.1	5.0	73.1	3.7	2.1					
		2	28.1	7.9	24.1	5.0	73.1	3.7	2.4										
2023-08-21	Mid-Flood	TCE-C1	Cloudy	Moderate	10:18	7.4	Surface	1.0	1	28.6	8.0	23.1	5.2	75.8	1.0	1.8	5.1	1.9	2.1
									2	28.6	8.0	23.1	5.2	75.8	1.0	1.7			
							Middle	3.7	1	28.5	8.0	23.2	5.1	74.9	2.2	2.1			
							Bottom	6.4	1	28.5	8.0	23.2	5.1	74.9	2.2	2.3			
				2	27.9	8.0	24.5	4.9	71.8	2.6	2.6								
				2	27.9	7.9	24.6	4.9	71.9	2.6	2.3								
		TCE-C2	Cloudy	Moderate	8:09	12.4	Surface	1.0	1	26.3	8.0	28.1	4.1	58.8	2.9	1.5	4.0	3.8	2.4
									2	26.3	8.0	28.1	4.0	58.6	2.9	1.8			
							Middle	6.2	1	24.7	8.1	30.8	3.9	55.7	3.7	2.2			
							Bottom	11.4	1	24.7	8.1	30.8	3.9	55.8	3.6	2.4			
				2	24.7	8.1	30.9	3.5	49.8	4.8	2.9								
				2	24.7	8.1	30.9	3.5	49.8	4.8	3.4								
	TCE-WQM1	Cloudy	Moderate	9:18	9.6	Surface	1.0	1	27.9	8.2	24.7	4.6	66.6	1.2	2.3	4.3	2.6	2.6	
								2	27.9	8.2	24.7	4.6	66.5	1.2	2.1				
						Middle	4.8	1	27.0	8.2	26.7	4.1	59.2	2.3	2.6				
						Bottom	8.6	1	27.0	8.2	26.7	4.1	59.2	2.3	2.4				
			2	26.2	8.2	28.4	3.8	54.6	4.3	2.9									
			2	26.2	8.2	28.4	3.8	54.7	4.3	3.2									
	TCE-WQM2a	Cloudy	Moderate	8:41	6.8	Surface	1.0	1	27.6	8.2	25.4	4.5	65.6	1.7	3.0	4.2	2.3	2.3	
								2	27.6	8.2	25.4	4.5	65.6	1.7	2.8				
						Middle	3.4	1	25.6	8.2	29.3	3.9	55.8	1.8	2.5				
						Bottom	5.8	1	25.6	8.2	29.3	3.9	55.8	1.9	2.2				
			2	25.5	8.2	29.6	4.0	57.9	3.5	1.6									
			2	25.5	8.2	29.6	4.0	57.9	3.5	1.8									
TCE-WQM2b	Cloudy	Moderate	8:29	9.3	Surface	1.0	1	26.8	8.0	27.3	4.2	60.7	1.4	1.8	4.0	3.5	2.2		
							2	26.8	8.0	27.2	4.2	60.6	1.5	1.9					
					Middle	4.7	1	25.8	8.0	29.1	3.8	55.4	3.1	2.3					
					Bottom	8.3	1	25.8	8.0	29.1	3.8	55.3	3.2	2.1					
		2	25.2	8.1	30.0	3.7	53.2	5.8	2.5										
		2	25.2	8.1	30.0	3.7	53.2	5.8	2.7										
TCE-WQM3A	Cloudy	Moderate	8:55	5.1	Surface	1.0	1	28.5	8.1	23.6	4.9	72.5	2.3	1.7	4.9	3.1	2.1		
							2	28.5	8.1	23.6	4.9	72.5	2.3	1.9					
					Bottom	4.1	1	26.8	8.1	27.2	4.2	61.7	3.8	2.2					
		2	26.8	8.1	27.2	4.2	61.7	3.9	2.5										
TCE-WQM4	Cloudy	Moderate	9:06	4.2	Surface	1.0	1	29.0	8.0	23.1	5.4	79.4	3.4	2.8	5.4	3.9	2.4		
							2	29.0	8.0	23.1	5.4	79.4	3.5	2.5					
					Bottom	3.2	1	28.5	8.1	23.8	5.2	76.3	4.3	2.3					
		2	28.5	8.1	23.8	5.2	76.3	4.3	2.1										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-23	Mid-Ebb	TCE-C1	Sunny	Moderate	15:11	8.1	Surface	1.0	1	27.9	7.9	22.9	5.0	71.7	2.0	3.4	4.9	2.1	3.0
									2	27.9	7.9	22.9	5.0	71.7	2.0	3.9			
							Middle	4.1	1	27.9	7.9	23.0	4.9	71.2	2.1	2.8			
							Bottom	7.1	1	27.9	7.9	23.0	4.9	71.3	2.4	2.5			
				2	27.9	7.9	23.0	4.9	71.4	2.4	2.2								
		TCE-C2	Sunny	Moderate	17:19	13.2	Surface	1.0	1	27.7	7.9	24.8	4.9	71.1	2.1	2.5	4.7	3.7	3.0
									2	27.7	7.9	24.8	4.9	71.1	2.1	2.2			
							Middle	6.6	1	26.3	7.9	27.2	4.5	64.7	3.4	3.2			
							Bottom	12.2	1	25.0	7.9	27.2	4.5	64.7	3.4	2.9			
				2	25.0	7.9	29.6	4.1	58.6	5.7	3.9								
				2	25.0	7.9	29.6	4.1	58.6	5.7	3.4								
		TCE-WQM1	Sunny	Calm	16:02	9.8	Surface	1.0	1	28.2	7.9	23.3	5.0	73.4	1.0	2.8	4.9	2.6	2.4
								2	28.2	7.9	23.3	5.0	73.4	1.0	3.0				
	Middle						4.9	1	28.0	7.9	23.7	4.7	68.4	3.3	2.4				
	Bottom						8.8	1	27.6	7.9	23.7	4.7	68.4	3.3	2.6				
			2	27.6	7.9	24.5	4.6	67.3	3.6	1.5									
			2	27.6	7.9	24.5	4.6	67.3	3.6	1.9									
	TCE-WQM2a	Sunny	Calm	16:40	7.3	Surface	1.0	1	28.3	7.9	22.9	5.2	75.3	1.5	1.1	4.7	2.8	1.7	
								2	28.3	7.9	22.9	5.2	75.3	1.5	1.2				
						Middle	3.7	1	27.2	7.9	24.8	4.3	62.3	1.5	1.8				
						Bottom	6.3	1	26.3	7.9	24.8	4.3	62.3	1.5	1.6				
			2	26.3	7.9	26.9	4.0	58.2	5.4	2.3									
			2	26.3	7.9	26.9	4.0	58.3	5.4	2.1									
	TCE-WQM2b	Sunny	Moderate	16:54	10.2	Surface	1.0	1	28.4	7.9	22.0	5.3	77.2	1.2	1.9	4.9	2.6	2.7	
							2	28.4	7.9	22.0	5.3	77.2	1.2	1.6					
Middle						5.1	1	27.2	7.9	24.5	4.5	65.2	1.1	2.7					
Bottom						9.2	1	27.2	7.9	24.5	4.5	65.2	1.2	2.4					
		2	25.9	7.9	27.6	4.1	59.4	5.3	4.0										
		2	25.9	7.9	27.6	4.1	59.5	5.4	3.6										
TCE-WQM3A	Sunny	Calm	16:26	4.7	Surface	1.0	1	28.2	7.9	23.0	5.1	74.3	2.9	2.0	5.1	4.4	2.4		
							2	28.2	7.9	23.0	5.1	74.3	2.9	2.3					
					Bottom	3.7	1	26.7	7.9	26.0	4.4	63.8	5.9	2.5					
							2	26.7	7.9	26.0	4.4	63.7	5.9	2.8					
TCE-WQM4	Sunny	Calm	16:16	4.1	Surface	1.0	1	28.0	7.9	22.8	4.9	71.6	1.7	3.3	4.9	2.0	2.8		
							2	28.0	7.9	22.8	4.9	71.6	1.7	3.5					
					Bottom	3.1	1	27.7	7.9	23.6	4.7	68.7	2.4	2.2					
							2	27.7	7.9	23.6	4.7	68.7	2.4	2.0					
2023-08-23	Mid-Flood	TCE-C1	Sunny	Moderate	11:55	7.8	Surface	1.0	1	28.1	7.9	22.5	5.0	72.9	2.0	3.1	5.0	4.3	2.5
									2	28.1	7.9	22.5	5.0	72.9	2.0	3.6			
							Middle	3.9	1	28.0	7.9	22.7	4.9	71.6	3.9	2.2			
							Bottom	6.8	1	27.9	7.9	22.7	4.9	71.6	3.9	2.6			
				2	27.9	7.9	23.1	4.9	70.5	6.8	1.5								
				2	27.9	7.9	23.1	4.9	70.6	6.8	1.8								
		TCE-C2	Sunny	Calm	9:43	12.9	Surface	1.0	1	26.8	7.9	25.6	4.4	64.1	0.9	2.8	4.2	3.0	4.1
									2	26.8	7.9	25.6	4.4	64.1	0.9	3.2			
							Middle	6.5	1	26.0	7.9	27.6	4.1	58.3	1.2	3.8			
							Bottom	11.9	1	24.7	7.9	27.6	4.1	58.3	1.2	4.2			
				2	24.7	7.9	30.2	3.9	55.2	6.8	5.0								
				2	24.7	7.9	30.2	3.9	55.3	6.9	5.4								
	TCE-WQM1	Sunny	Calm	11:01	8.6	Surface	1.0	1	27.9	7.9	23.2	4.8	70.1	1.7	5.6	4.6	1.7	4.5	
								2	27.9	7.9	23.2	4.8	70.1	1.7	5.2				
						Middle	4.3	1	27.3	7.9	24.6	4.3	62.5	1.2	4.3				
						Bottom	7.6	1	27.3	7.9	24.6	4.3	62.5	1.2	4.6				
			2	27.0	7.9	25.4	4.0	58.4	2.2	3.6									
			2	27.0	7.9	25.4	4.0	58.4	2.2	3.4									
	TCE-WQM2a	Sunny	Calm	10:20	6.7	Surface	1.0	1	26.8	7.9	25.3	4.3	61.8	3.3	3.0	4.2	4.2	3.6	
								2	26.8	7.9	25.3	4.3	61.8	3.3	3.2				
						Middle	3.4	1	26.3	7.9	26.5	4.1	58.3	5.3	3.7				
						Bottom	5.7	1	26.3	7.9	26.5	4.1	58.3	5.3	3.4				
			2	25.6	7.9	28.2	3.9	55.3	4.0	4.1									
			2	25.6	7.9	28.2	3.9	55.4	4.0	4.3									
TCE-WQM2b	Sunny	Calm	10:08	9.6	Surface	1.0	1	27.3	7.9	24.5	4.7	68.6	2.4	2.3	4.6	3.2	3.2		
							2	27.3	7.9	24.5	4.7	68.6	2.4	2.0					
					Middle	4.8	1	26.8	7.9	25.6	4.4	63.5	3.1	3.7					
					Bottom	8.6	1	26.8	7.9	25.6	4.4	63.5	3.1	3.3					
		2	26.0	7.9	27.5	4.1	58.8	4.1	4.2										
		2	26.0	7.9	27.5	4.1	58.9	4.1	3.8										
TCE-WQM3A	Sunny	Calm	10:33	4.6	Surface	1.0	1	27.5	7.9	23.6	4.9	70.3	1.3	3.5	4.9	2.7	4.5		
							2	27.5	7.9	23.6	4.9	70.3	1.3	3.2					
					Bottom	3.6	1	26.6	7.9	25.8	4.7	67.8	4.1	5.7					
							2	26.6	7.9	25.8	4.7	67.8	4.2	5.4					
TCE-WQM4	Sunny	Calm	10:46	3.7	Surface	1.0	1	27.7	7.9	23.3	4.9	70.8	2.0	2.4	4.9	2.9	2.8		
							2	27.7	7.9	23.3	4.9	70.8	1.9	2.2					
					Bottom	2.7	1	26.7	7.9	25.6	4.3	62.6	3.8	3.5					
							2	26.7	7.9	25.6	4.3	62.6	3.8	3.1					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged												
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)										
2023-08-25	Mid-Ebb	TCE-C1	Sunny	Moderate	8:40	9.0	Surface	1.0	1	28.9	8.1	25.3	8.1	121.0	2.5	1.1	6.5	4.0	1.4										
									2	28.8	8.1	25.3	8.1	120.7	2.6	1.7													
							Middle	4.5	1	27.6	7.9	28.0	4.9	73.1	4.0	1.1													
									2	27.6	7.9	28.0	4.9	73.0	4.0	1.7													
							Bottom	8.0	1	27.5	7.8	28.8	4.3	63.9	5.5	1.3													
									2	27.5	7.8	28.8	4.3	64.0	5.6	1.2													
		TCE-C2	Sunny	Moderate	7:08	11.0	Surface	1.0	1	28.4	7.9	25.2	5.6	83.4	1.1	1.4	5.2	1.3	2.3										
									2	28.4	7.9	25.2	5.6	83.4	1.1	1.6													
							Middle	5.5	1	27.5	7.8	27.4	4.7	69.5	1.2	2.6													
									2	27.5	7.8	27.4	4.7	69.4	1.2	3.5													
							Bottom	10.0	1	26.9	7.8	29.2	4.4	64.5	1.6	2.0													
									2	26.9	7.8	29.2	4.4	64.5	1.6	2.8													
		TCE-WQM1	Sunny	Moderate	8:13	8.2	Surface	1.0	1	29.2	8.2	25.1	9.2	138.2	1.9	1.0	7.4	3.5	1.8										
									2	29.2	8.2	25.2	9.2	138.1	1.9	3.3													
							Middle	4.1	1	28.3	7.9	25.8	5.6	82.9	3.6	1.2													
									2	28.2	7.9	25.9	5.6	82.7	3.7	2.7													
							Bottom	7.2	1	27.1	7.8	29.4	4.3	63.0	5.0	2.1													
									2	27.1	7.8	29.4	4.3	63.3	5.0	2.0													
		TCE-WQM2a	Sunny	Moderate	7:45	8.0	Surface	1.0	1	28.8	8.0	25.0	7.0	104.1	1.0	1.5	7.0	1.2	1.6										
									2	28.8	8.0	25.0	7.0	104.1	1.0	2.0													
							Middle	4.0	1	28.8	8.0	24.9	6.9	103.2	1.2	1.7													
									2	28.8	8.0	24.9	6.9	103.2	1.1	1.2													
							Bottom	7.0	1	27.9	7.9	27.1	5.0	74.0	1.5	1.2													
									2	28.0	7.9	27.1	5.0	74.1	1.4	1.7													
		TCE-WQM2b	Sunny	Moderate	7:33	10.8	Surface	1.0	1	28.8	7.9	23.0	5.3	77.8	1.7	1.2	4.6	2.3	1.6										
									2	28.8	7.9	23.0	5.3	77.7	1.7	1.2													
							Middle	5.4	1	26.1	7.8	30.8	3.8	56.1	2.2	1.1													
									2	26.1	7.8	30.8	3.8	56.2	2.2	1.7													
							Bottom	9.8	1	25.7	7.9	31.7	4.0	59.2	3.1	3.5													
									2	25.7	7.9	31.7	4.0	59.2	3.1	1.0													
		TCE-WQM3A	Sunny	Moderate	7:54	3.8	Surface	1.0	1	28.8	7.9	25.1	6.4	95.6	1.6	1.4	6.4	2.3	1.9										
									2	28.7	7.9	25.2	6.4	95.6	1.6	4.0													
							Bottom	2.8	1	28.2	7.9	26.1	5.7	84.8	3.0	1.2													
									2	28.2	7.9	26.1	5.7	84.5	3.0	1.1													
							TCE-WQM4	Sunny	Moderate	8:03	3.4	Surface	1.0	1	28.4	7.9				26.0	5.9	87.0	3.4	0.9	5.9	4.4	1.2		
														2	28.4	7.9				26.0	5.9	87.0	3.5	0.9					
		Bottom	2.4	1	28.0	7.9						26.9	5.3	78.3	5.4	1.1													
				2	28.0	7.9						26.9	5.3	78.3	5.4	1.1													
		2023-08-25	Mid-Flood	TCE-C1	Misty	Moderate						17:48	8.0	Surface	1.0	1	28.9	8.1	25.3	8.0	119.2	3.1	1.0	6.7				4.7	1.7
																2	28.9	8.1	25.4	8.0	119.0	3.1	2.9						
							Middle	4.0	1	28.0	7.9			27.2	5.5	81.3	5.0	2.0											
									2	27.9	7.9			27.3	5.5	81.1	4.9	1.9											
							Bottom	7.0	1	27.3	7.8			28.9	4.2	62.0	6.1	1.2											
									2	27.3	7.8			28.9	4.2	62.2	6.0	1.0											
				TCE-C2	Rainy	Moderate	19:40	10.6	Surface	1.0	1	28.1	7.9	26.2	5.8	85.7	1.6	2.8	5.3	2.5	2.7								
											2	28.1	7.9	26.3	5.8	85.5	1.6	3.6											
									Middle	5.3	1	27.3	7.8	27.9	4.7	69.6	2.5	2.2											
											2	27.3	7.8	28.0	4.7	69.6	2.6	2.9											
Bottom	9.6								1	26.6	7.8	29.7	4.3	62.5	3.4	2.2													
									2	26.6	7.8	29.7	4.2	62.5	3.4	2.4													
TCE-WQM1	Misty			Moderate	18:31	7.8	Surface	1.0	1	29.3	8.2	25.1	9.8	146.6	1.0	1.4	8.5	2.0	1.9										
									2	29.3	8.2	25.1	9.8	146.7	1.0	1.2													
							Middle	3.9	1	28.7	8.1	25.4	7.2	106.6	2.0	2.1													
									2	28.7	8.1	25.4	7.2	106.5	1.9	1.5													
							Bottom	6.8	1	27.5	7.8	28.3	4.6	68.1	3.0	2.3													
									2	27.5	7.8	28.3	4.6	68.1	3.0	2.7													
TCE-WQM2a	Misty			Moderate	19:05	7.6	Surface	1.0	1	28.9	8.1	25.2	7.7	114.8	1.7	3.5	7.4	2.7	2.5										
									2	28.9	8.1	25.2	7.7	114.8	1.7	2.7													
							Middle	3.8	1	28.5	8.0	25.4	7.2	106.4	2.4	2.7													
									2	28.5	8.0	25.5	7.2	106.2	2.4	2.1													
							Bottom	6.6	1	27.9	7.9	26.5	5.5	81.2	4.0	1.8													
									2	27.9	7.9	26.5	5.5	81.2	3.8	2.0													
TCE-WQM2b	Rainy			Moderate	19:18	9.0	Surface	1.0	1	28.2	7.9	26.1	6.0	89.5	1.5	2.6	5.9	1.9	2.1										
									2	28.2	7.9	26.1	6.0	89.6	1.5	2.5													
							Middle	4.5	1	27.8	7.9	26.9	5.7	84.0	1.8	1.7													
									2	27.8	7.9	26.9	5.7	83.9	1.8	2.1													
							Bottom	8.0	1	27.2	7.9	28.4	4.8	70.9	2.5	1.5													
									2	27.2	7.9	28.4	4.8	70.5	2.5	2.1													
TCE-WQM3A	Misty			Moderate	18:55	3.8	Surface	1.0	1	28.8	8.0	25.1	6.7	99.8	1.9	1.1	6.7	2.1	1.5										
									2	28.8	8.0	25.1	6.7	99.8	1.9	1.4													
							Bottom	2.8	1	28.8	8.0	25.2	6.7	100.3	2.3	1.8													
									2	28.7	8.0	25.2	6.8	100.4	2.3	1.6													
							TCE-WQM4	Misty	Moderate	18:44	3.6	Surface	1.0	1	28.2	7.9				26.4	5.8	85.4	2.5	1.4	5.8	3.3	1.9		
														2	28.2	7.9				26.4	5.8	85.4	2.6	2.9					
Bottom	2.6			1	28.0	7.9						26.8	5.6	83.2	4.0	1.3													
				2	28.0	7.9						26.9	5.6	83.6	4.0	1.9													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-08-28	Mid-Ebb	TCE-C1	Fine	Moderate	9:03	8.0	Surface	1.0	1	28.7	8.2	23.3	7.6	111.5	3.6	2.8	5.6	4.4	2.2
									2	28.7	8.2	23.2	7.6	111.3	3.6	2.5			
							Middle	4.0	1	26.5	7.9	29.3	3.7	54.6	4.6	2.3			
							Bottom	7.0	1	26.3	7.9	29.3	3.7	54.6	4.6	2.0			
						2	26.3	7.9	30.2	3.7	54.1	5.0	1.9	3.7					
				2	26.3	7.9	30.2	3.7	54.3	5.0	1.7								
		Surface	1.0	1	27.9	7.9	25.4	5.4	78.7	1.7	2.1								
				2	27.9	7.9	25.5	5.3	78.5	1.6	2.4								
						1	27.5	7.9	26.2	4.7	69.2	2.1	1.8	5.0	2.3	1.9			
				2	27.5	7.9	26.3	4.7	68.9	2.1	1.9								
		Middle	5.3	1	27.5	7.9	26.2	4.7	69.2	2.1	1.8								
		Bottom	9.6	1	27.2	7.9	27.5	4.6	67.6	3.0	1.6								
					2	27.3	7.9	27.5	4.6	67.8	3.1	1.7	4.6						
			2	27.3	7.9	27.5	4.6	67.8	3.1	1.7									
	Surface	1.0	1	29.1	8.2	23.6	8.1	120.5	3.1	1.6									
			2	29.1	8.2	23.6	8.1	120.4	3.2	1.8									
					1	27.0	7.9	28.4	3.8	55.6	5.6	2.1	6.0	4.6	2.2				
			2	27.1	7.9	28.2	3.8	56.2	5.7	2.2									
	Middle	3.8	1	27.1	7.9	28.4	3.8	55.6	5.6	2.1									
	Bottom	6.6	1	26.6	7.9	29.6	3.9	56.7	5.0	2.5									
					2	26.6	7.9	29.6	3.9	57.1	5.0	2.8	3.9						
			2	26.6	7.9	29.6	3.9	57.1	5.0	2.8									
	Surface	1.0	1	28.4	8.1	25.5	7.2	106.4	1.4	2.4									
			2	28.4	8.1	25.5	7.2	106.4	1.4	2.1									
				1	27.8	8.1	26.3	6.2	90.5	2.4	2.5	6.7	2.4	2.7					
		2	27.7	8.1	26.3	6.1	90.3	2.5	2.7										
Middle	3.9	1	27.8	8.1	26.3	6.2	90.5	2.4	2.5										
Bottom	6.8	1	27.1	7.9	28.3	4.5	66.8	3.3	3.5										
				2	27.1	7.9	28.3	4.5	66.6	3.3	3.1	4.5							
		2	27.1	7.9	28.3	4.5	66.6	3.3	3.1										
Surface	1.0	1	28.3	8.0	23.8	6.3	92.9	2.3	2.5										
		2	28.3	8.0	23.7	6.4	93.0	2.3	2.2										
				1	28.1	8.0	24.4	6.2	91.2	2.5	2.1	6.3	3.0	2.1					
		2	28.1	8.0	24.5	6.2	91.2	2.6	2.3										
Middle	4.5	1	28.1	8.0	24.4	6.2	91.2	2.5	2.1										
Bottom	8.0	1	26.9	7.9	28.6	4.5	65.9	4.0	1.9										
				2	26.9	7.9	28.6	4.5	66.1	4.0	1.6	4.5							
		2	26.9	7.9	28.6	4.5	66.1	4.0	1.6										
Surface	1.0	1	28.8	8.1	24.2	7.7	114.0	3.0	1.4										
		2	28.8	8.1	24.2	7.7	113.8	3.0	1.6										
				1	28.6	8.1	24.7	7.1	105.2	4.4	0.6	7.7	3.7	1.1					
		2	28.6	8.1	24.8	7.1	105.2	4.5	0.9										
Bottom	3.0	1	28.6	8.1	24.7	7.1	105.2	4.4	0.6										
		2	28.6	8.1	24.8	7.1	105.2	4.5	0.9										
				1	28.6	8.1	24.8	7.0	103.5	3.1	1.2	7.0	4.0	1.1					
		2	28.5	8.1	24.8	7.0	103.3	3.0	1.1										
Surface	1.0	1	28.6	8.1	24.8	7.0	103.5	3.1	1.2										
		2	28.5	8.1	24.8	7.0	103.3	3.0	1.1										
				1	27.6	7.9	27.3	4.3	63.2	4.9	1.0	4.3							
		2	27.6	7.9	27.4	4.3	62.8	4.9	1.2										
Bottom	2.6	1	27.6	7.9	27.3	4.3	63.2	4.9	1.0										
		2	27.6	7.9	27.4	4.3	62.8	4.9	1.2										
2023-08-28	Mid-Flood	TCE-C1	Fine	Moderate	4:54	9.0	Surface	1.0	1	28.0	8.0	25.5	5.4	79.4	3.0	2.7	5.0	4.0	2.3
									2	28.0	8.0	25.5	5.4	79.5	3.0	3.0			
							Middle	4.5	1	27.5	7.9	26.8	4.7	68.7	3.9	2.5			
							Bottom	8.0	1	26.5	7.9	29.6	4.1	60.4	5.1	1.7			
						2	26.5	7.9	29.6	4.1	60.7	5.1	1.9	4.1					
				2	26.5	7.9	29.6	4.1	60.7	5.1	1.9								
		Surface	1.0	1	28.0	7.9	24.5	6.1	89.3	1.3	2.3								
				2	28.0	7.9	24.5	6.1	89.3	1.3	2.6								
						1	27.5	7.9	26.7	5.5	80.2	1.8	3.0	5.8	1.7	2.9			
				2	27.5	7.9	26.8	5.5	80.2	1.8	2.7								
		Middle	5.4	1	27.5	7.9	26.7	5.5	80.2	1.8	3.0								
		Bottom	9.8	1	27.4	7.8	27.5	5.3	78.7	2.1	3.2								
						2	27.4	7.8	27.5	5.3	78.8	2.1	3.6	5.3					
				2	27.4	7.8	27.5	5.3	78.8	2.1	3.6								
		Surface	1.0	1	28.9	8.2	23.9	7.8	115.5	3.0	2.5								
				2	28.9	8.2	23.9	7.8	114.8	3.0	2.8								
						1	26.8	7.9	29.1	3.9	57.9	3.8	2.2	5.9	3.8	2.3			
				2	26.8	7.9	29.1	3.9	57.9	3.7	2.4								
		Middle	4.0	1	26.8	7.9	29.1	3.9	57.9	3.8	2.2								
		Bottom	7.0	1	26.8	7.9	29.2	4.3	63.2	4.6	1.7								
						2	26.8	7.9	29.2	4.3	63.9	4.5	1.9	4.3					
				2	26.8	7.9	29.2	4.3	63.9	4.5	1.9								
		Surface	1.0	1	28.0	8.0	26.2	6.0	88.5	2.0	2.9								
				2	28.0	8.0	26.2	6.0	88.5	2.0	2.5								
					1	27.3	7.9	28.0	4.9	71.6	2.1	2.1	5.4	2.1	2.2				
			2	27.3	7.9	27.9	4.9	71.7	2.0	2.2									
	Middle	4.1	1	27.3	7.9	28.0	4.9	71.6	2.1	2.1									
	Bottom	7.2	1	26.8	7.9	29.0	4.5	66.8	2.3	1.8									
					2	26.8	7.9	29.1	4.5	66.7	2.3	1.5	4.5						
			2	26.8	7.9	29.1	4.5	66.7	2.3	1.5									
	Surface	1.0	1	28.5	8.0	21.8	6.2	90.7	1.3	2.6									
			2	28.4	8.0	21.8	6.2	90.6	1.3	2.9									
					1	27.7	7.9	24.9	4.8	70.3	1.9	2.1	5.5	1.9	2.3				
			2	27.6	7.9	24.9	4.8	70.3	2.0	2.3									
	Middle	5.4	1	27.7	7.9	24.9	4.8	70.3	1.9	2.1									
	Bottom	9.8	1	27.2	7.9	27.6	4.5	65.6	2.5	1.8									
					2	27.2	7.9	27.6	4.5	65.9	2.4	1.9	4.5						
			2	27.2	7.9	27.6	4.5	65.9	2.4	1.9									
	Surface	1.0	1	28.4	8.1	24.7	7.1	105.3	2.1	1.7									
			2	28.4	8.1	24.7	7.1	105.0	2.1	1.9									
					1	27.6	7.9	27.4	4.6	67.8	3.3	2.1	7.1	2.7	2.0				
			2	27.6	7.9	27.4	4.6	67.9	3.3	2.3									
	Bottom	2.6	1	27.6	7.9	27.4	4.6	67.8	3.3	2.1									
			2	27.6	7.9	27.4	4.6	67.9	3.3	2.3									
					1	29.0	8.2	24.1	7.9	117.5	3.3	2.2	7.9	3.7	2.0				
			2	29.0	8.2	24.1	7.9	117.0	3.2	2.4									
	Surface	1.0	1	29.0	8.2	24.1	7.9	117.5	3.3	2.2									
			2	29.0	8.2	24.1	7.9	117.0	3.2	2.4									
				1	27.4	8.1	28.3	4.4	65.6	4.1	1.8	4.3							
		2	27.3	7.9	28.5	4.2	56.4	4.1	1.6										
Bottom	3.8	1	27.4	8.1	28.3	4.4	65.6	4.1	1.8										
		2	27.3	7.9	28.5	4.2	56.4	4.1	1.6										

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)
2023-08-30	Mid-Ebb	TCE-C1	Fine	Rough	10:46	8.2	Surface	1.0	1	27.2	8.1	25.2	4.6	67.2	1.2	3.2	4.6	1.7	3.8
									2	27.2	8.1	25.2	4.6	67.2	1.2	3.3			
							Middle	4.1	1	27.1	8.1	25.2	4.7	67.4	1.9	4.0			
							Bottom	7.2	1	27.1	8.1	25.3	4.7	67.4	1.8	3.4			
				2	27.1	8.1	25.3	4.7	68.5	2.0	3.5								
				2	27.1	8.1	25.3	4.7	68.6	2.0	5.4								
		TCE-C2	Fine	Rough	12:38	10.4	Surface	1.0	1	27.2	8.1	25.2	4.5	65.0	2.6	5.0	4.5	3.3	5.0
									2	27.2	8.1	25.2	4.5	65.0	2.5	5.3			
							Middle	5.2	1	26.9	8.1	25.6	4.5	64.7	3.2	5.8			
							Bottom	9.4	1	26.9	8.1	25.6	4.5	64.8	3.2	5.3			
				2	26.7	8.1	26.0	4.6	66.9	4.1	6.1								
				2	26.7	8.1	26.0	4.6	67.1	4.1	2.6								
	TCE-WQM1	Fine	Rough	11:29	7.8	Surface	1.0	1	27.8	8.0	23.5	4.6	66.4	1.4	4.4	4.6	2.6	4.0	
								2	27.8	8.0	23.6	4.6	66.4	1.5	3.3				
						Middle	3.9	1	27.6	8.0	24.0	4.6	67.2	3.0	3.6				
						Bottom	6.8	1	27.6	8.0	24.0	4.6	67.4	3.0	4.1				
			2	27.8	8.0	23.7	4.8	69.4	3.3	4.5									
			2	27.8	8.0	23.6	4.8	69.6	3.3	4.0									
	TCE-WQM2a	Fine	Rough	12:03	7.2	Surface	1.0	1	26.9	8.1	25.7	4.5	65.3	3.0	5.8	4.6	3.4	5.3	
								2	26.9	8.1	25.7	4.5	65.3	3.0	5.8				
						Middle	3.6	1	26.6	8.2	26.3	4.6	67.0	3.0	5.8				
						Bottom	6.2	1	26.6	8.2	26.3	4.6	67.1	3.1	4.1				
			2	26.5	8.2	26.6	4.7	68.2	4.1	5.6									
			2	26.5	8.2	26.6	4.8	68.6	4.1	4.9									
TCE-WQM2b	Fine	Rough	12:16	9.0	Surface	1.0	1	27.4	8.1	24.2	4.6	67.1	1.6	5.0	4.6	2.3	5.6		
							2	27.4	8.1	24.2	4.6	67.1	1.7	5.3					
					Middle	4.5	1	27.1	8.1	24.9	4.5	64.8	2.2	6.5					
					Bottom	8.0	1	27.1	8.1	24.8	4.5	64.8	2.1	5.6					
		2	26.4	8.2	26.5	4.5	64.1	3.0	5.5										
		2	26.4	8.2	26.5	4.5	64.4	3.0	5.5										
TCE-WQM3A	Fine	Moderate	11:53	4.8	Surface	1.0	1	27.9	8.0	23.3	4.8	69.0	3.2	4.1	4.7	3.8	5.7		
							2	27.9	8.0	23.5	4.7	68.8	3.2	6.5					
					Bottom	3.8	1	27.5	8.0	24.3	4.2	61.1	4.3	6.6					
		2	27.5	8.0	24.1	4.2	61.4	4.4	5.6										
		2	27.5	8.0	24.1	4.2	61.4	4.4	5.6										
TCE-WQM4	Fine	Moderate	11:42	4.2	Surface	1.0	1	27.7	8.0	23.5	4.5	65.4	3.1	3.6	4.5	3.3	4.3		
							2	27.7	8.0	23.6	4.5	65.5	3.0	3.3					
					Bottom	3.2	1	27.7	8.0	23.7	4.6	67.0	3.8	6.4					
		2	27.8	8.0	23.6	4.7	67.4	3.4	3.9										
2023-08-30	Mid-Flood	TCE-C1	Fine	Rough	7:08	9.0	Surface	1.0	1	27.3	8.0	24.5	4.7	67.4	0.1	2.8	4.6	0.5	4.3
									2	27.3	8.0	24.4	4.7	67.3	0.1	4.3			
							Middle	4.5	1	26.3	8.0	26.9	4.5	65.1	0.2	5.3			
							Bottom	8.0	1	26.3	8.0	26.9	4.5	65.1	0.2	4.4			
				2	26.2	8.0	27.1	4.6	65.6	1.2	5.5								
				2	26.3	8.0	27.0	4.6	65.7	1.2	3.4								
		TCE-C2	Fine	Rough	5:37	11.2	Surface	1.0	1	26.9	8.1	25.6	4.6	67.1	1.0	3.6	4.6	1.5	4.0
									2	26.9	8.1	25.6	4.6	67.0	0.9	4.3			
							Middle	5.6	1	26.3	8.1	27.0	4.5	65.2	1.3	3.6			
							Bottom	10.2	1	26.3	8.1	27.0	4.5	65.2	1.3	4.6			
				2	26.2	8.0	27.2	4.5	65.5	2.1	3.6								
				2	26.2	7.9	27.2	4.6	65.6	2.1	4.2								
	TCE-WQM1	Fine	Rough	6:42	8.4	Surface	1.0	1	27.5	8.0	24.4	4.4	63.6	1.5	3.6	4.4	3.1	4.2	
								2	27.4	8.0	24.4	4.4	63.5	1.6	5.9				
						Middle	4.2	1	27.2	8.0	24.6	4.3	62.7	3.0	4.2				
						Bottom	7.4	1	27.2	8.0	24.7	4.3	62.6	3.0	3.3				
			2	26.9	8.0	25.4	4.3	61.9	4.8	4.5									
			2	26.9	8.0	25.5	4.3	61.9	4.8	3.5									
	TCE-WQM2a	Fine	Rough	6:13	8.0	Surface	1.0	1	27.0	8.1	25.5	4.9	70.3	1.0	2.7	4.9	1.5	3.7	
								2	27.0	8.1	25.5	4.9	70.3	1.0	3.9				
						Middle	4.0	1	26.9	8.1	25.8	5.0	72.0	1.7	3.5				
						Bottom	7.0	1	26.9	8.1	25.8	5.0	72.1	1.7	4.6				
			2	26.8	8.1	25.9	5.1	73.9	1.8	3.0									
			2	26.8	8.1	25.9	5.1	74.3	1.8	4.2									
TCE-WQM2b	Fine	Rough	6:02	10.4	Surface	1.0	1	27.1	8.0	25.0	4.4	63.6	3.5	3.4	4.4	4.4	3.7		
							2	27.1	8.1	25.0	4.4	63.6	3.5	3.5					
					Middle	5.2	1	26.9	8.1	25.5	4.5	64.8	4.3	5.2					
					Bottom	9.4	1	26.9	8.1	25.5	4.5	64.9	4.3	3.6					
		2	26.8	8.0	25.8	4.8	69.6	5.4	3.2										
		2	26.8	8.0	25.8	4.9	70.3	5.4	3.4										
TCE-WQM3A	Fine	Moderate	6:23	3.6	Surface	1.0	1	27.6	8.0	24.0	5.1	74.3	1.5	4.0	5.1	2.2	4.1		
							2	27.5	8.0	24.1	5.2	74.6	1.4	4.1					
					Bottom	2.6	1	27.2	8.1	24.9	5.9	84.7	3.0	4.6					
		2	27.2	8.1	25.0	6.0	86.5	2.9	3.8										
TCE-WQM4	Fine	Moderate	6:32	3.0	Surface	1.0	1	28.1	8.0	23.0	5.3	76.6	1.5	3.3	5.3	2.3	3.8		
							2	28.1	8.0	23.1	5.3	76.7	1.6	4.0					
					Bottom	2.0	1	27.8	8.0	23.4	5.4	78.9	3.0	3.6					
		2	27.8	8.0	23.4	5.5	79.5	3.0	4.2										