

Annex G3

Monitoring Results for Water Quality

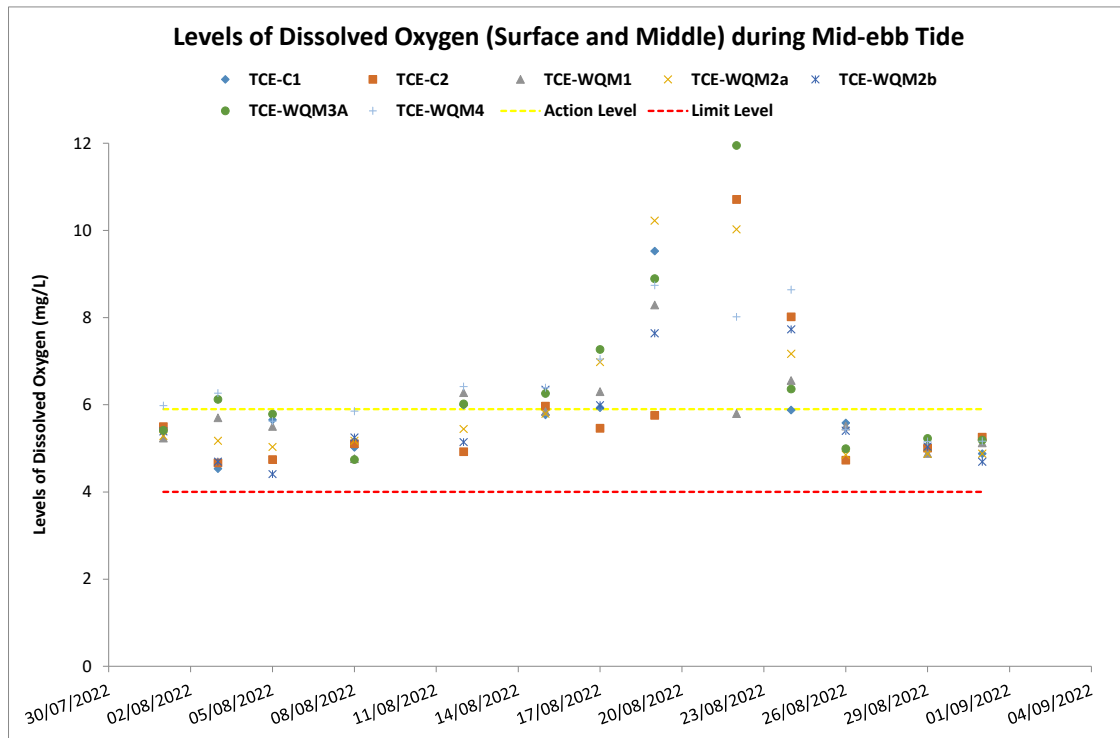


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2022

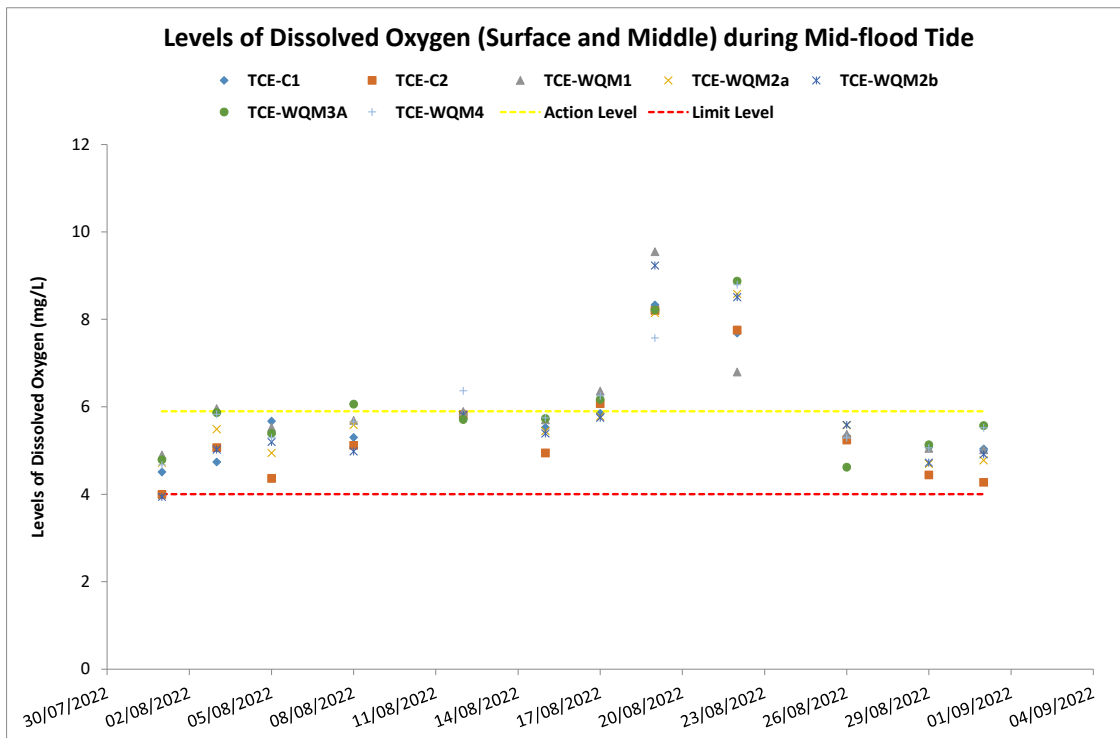


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2022

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

**Environmental
 Resources
 Management**



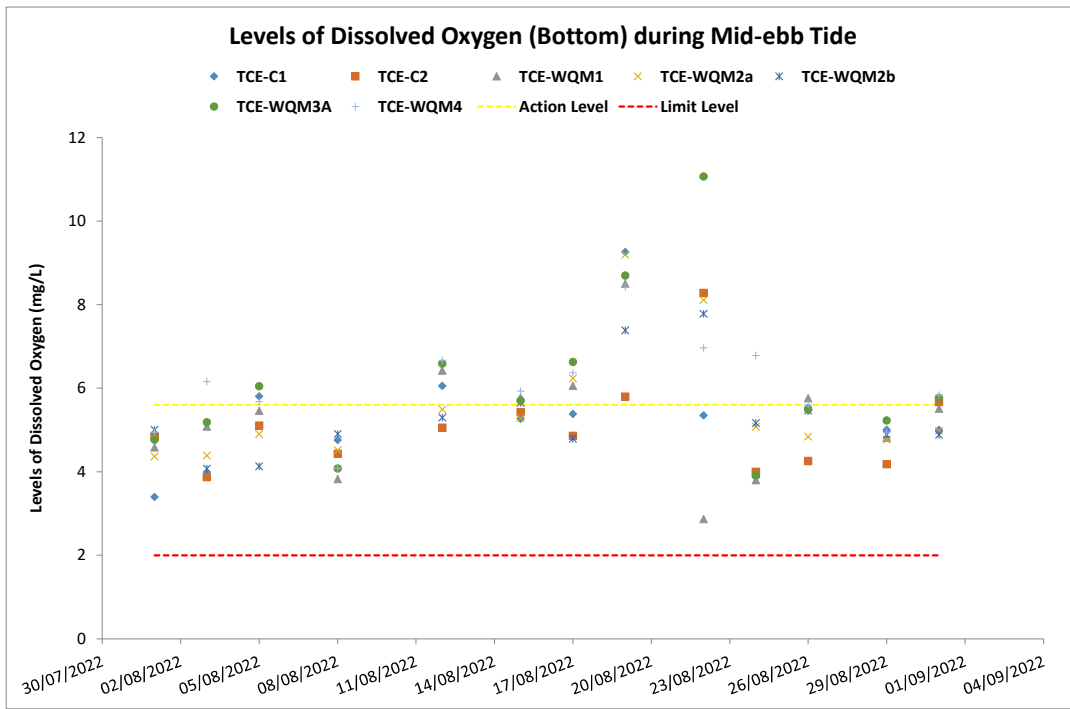


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2022

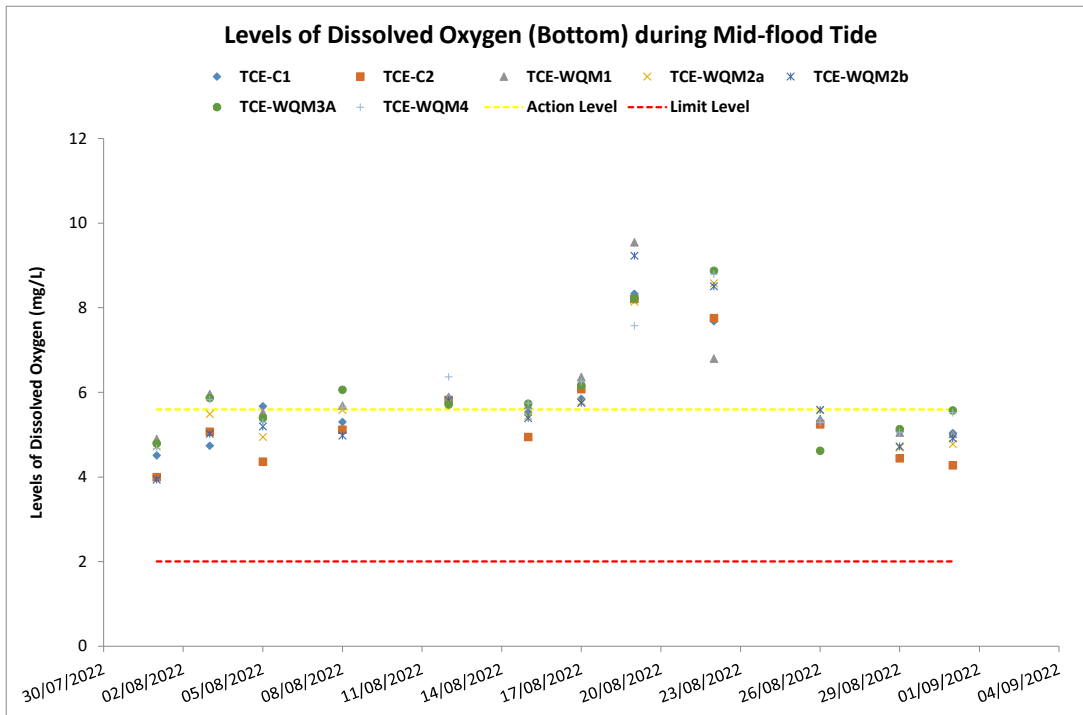


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2022

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

**Environmental
 Resources
 Management**



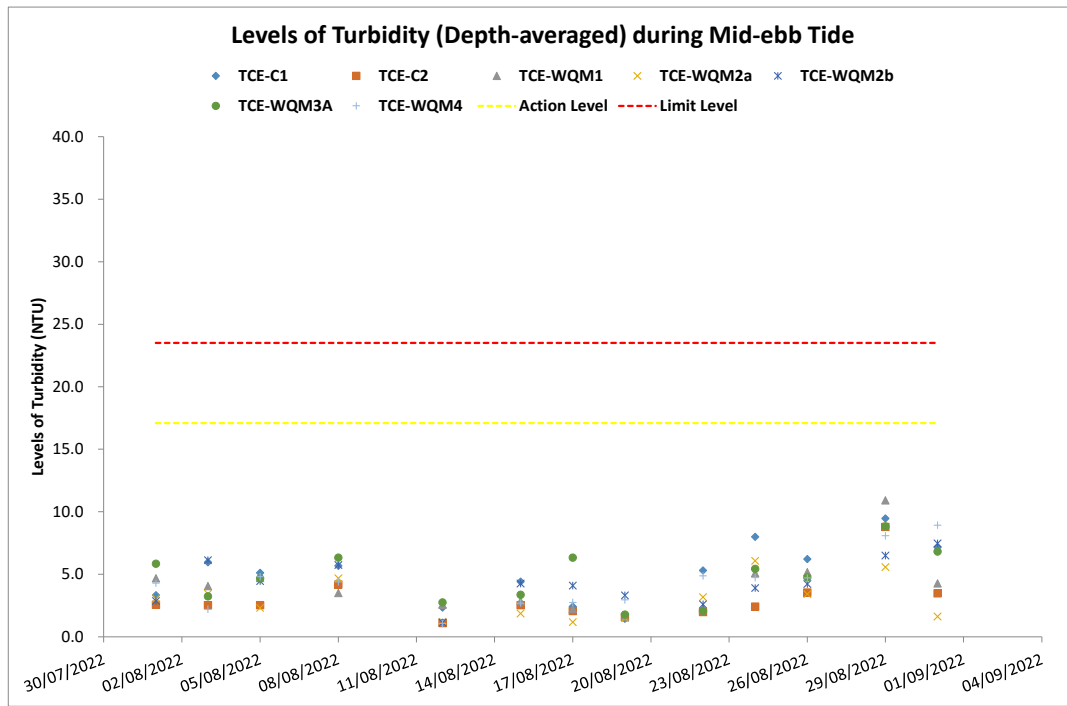


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2022

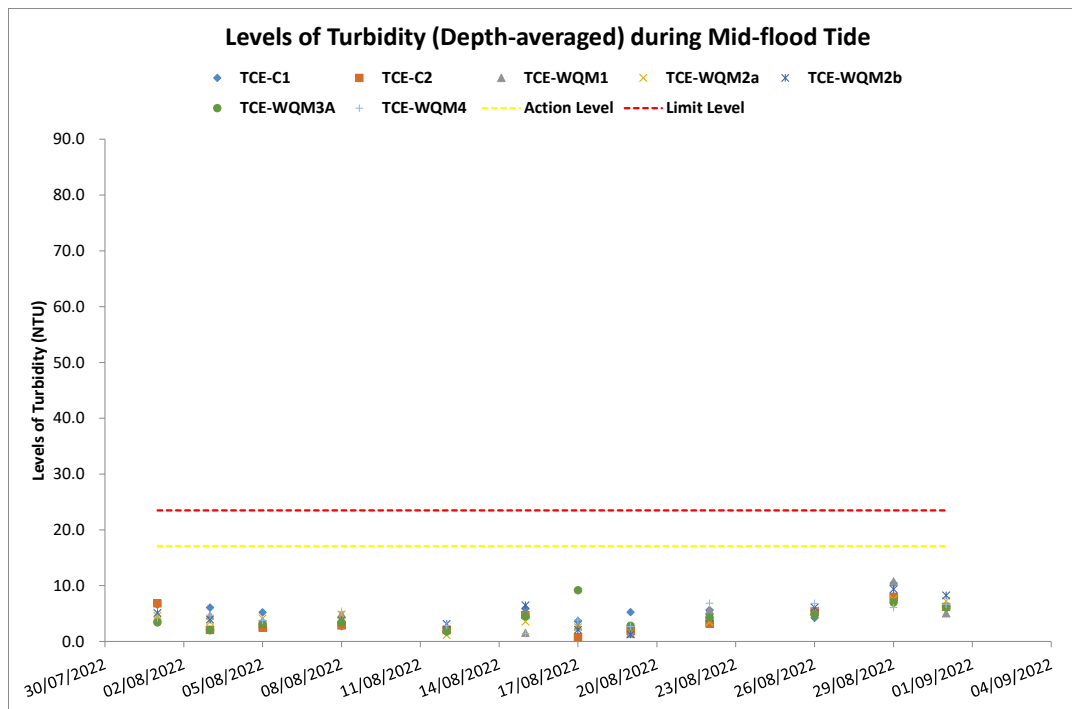


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2022

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

Date: August 2022

**Environmental
Resources
Management**



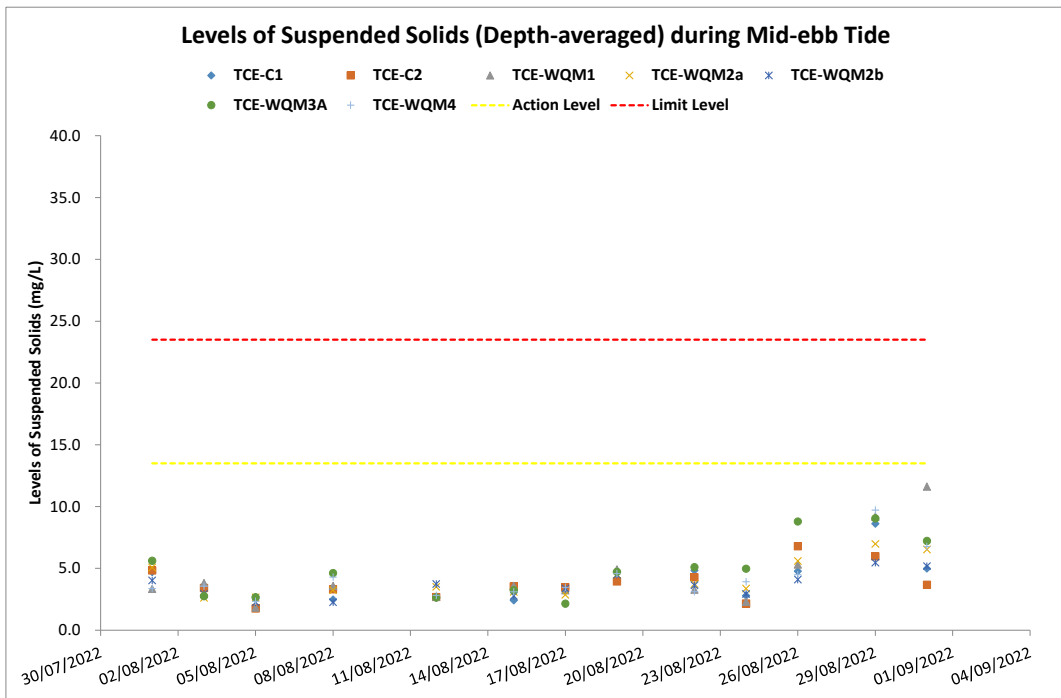


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 August 2022

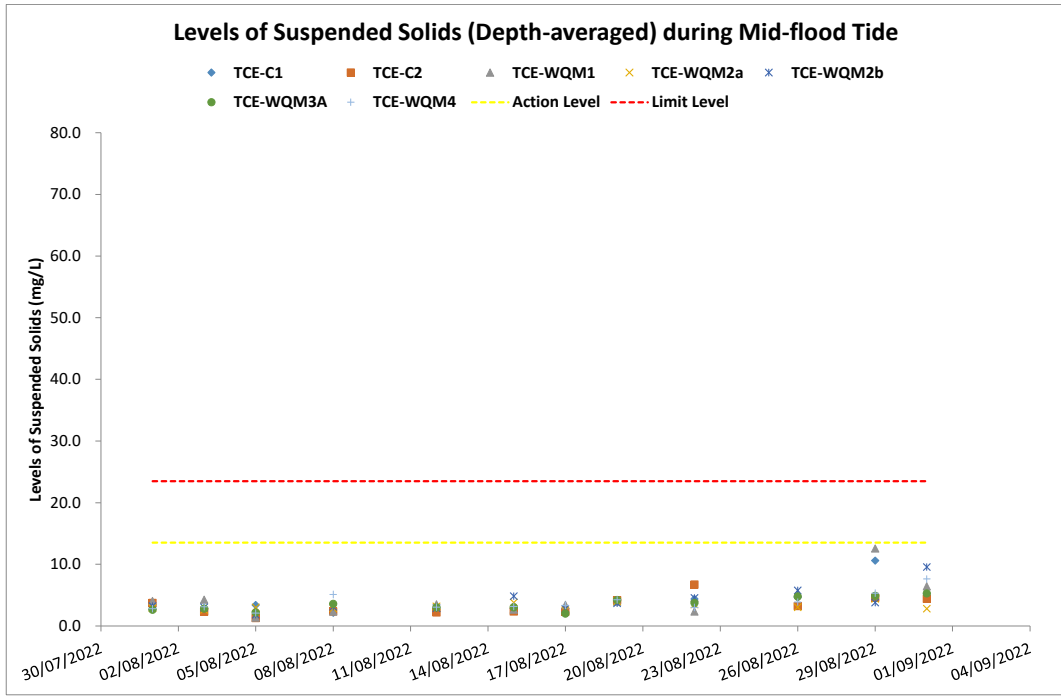


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 August 2022

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

**Environmental
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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)
2022-08-01	Mid-Ebb	TCE-C1	Sunny	Calm	13:41	8.6	Surface	1.0	1	29.2	8.2	20.1	6.4	92.8	3.1	3.7	5.4	3.3	4.7
									2	29.2	8.2	20.2	6.4	92.6	3.1	4.0			
							Middle	4.3	1	26.3	8.1	30.6	4.4	64.9	2.8	4.4			
							Bottom	7.6	1	25.2	8.1	30.6	4.4	64.8	2.8	4.8			
						2	25.2	8.1	33.5	3.4	49.8	4.1	5.8	3.4					
				2	29.0	8.1	24.3	5.5	81.8	2.6	4.2								
		Middle	7.3	1	29.0	8.1	24.3	5.5	81.5	2.7	4.9								
		Bottom	13.5	1	29.0	8.1	24.3	5.5	81.5	2.8	4.7								
						2	28.1	8.1	26.1	4.8	71.7	2.4	5.6	4.8					
				2	28.9	8.2	22.6	5.8	85.4	3.4	3.6								
		Middle	4.8	1	28.2	8.1	24.9	4.7	68.9	5.1	3.3								
		Bottom	8.5	1	28.2	8.1	24.9	4.7	68.8	5.0	3.4								
						2	28.2	8.1	25.2	4.6	67.6	5.6	2.8	4.6					
				2	28.7	8.1	25.2	5.4	80.1	3.1	4.1								
		Middle	3.7	1	28.0	8.1	26.4	5.2	76.7	3.2	5.3								
		Bottom	6.4	1	26.8	8.1	28.4	4.4	64.0	2.8	5.9								
						2	26.8	8.1	28.4	4.4	64.0	2.9	5.6	4.4	3.1	5.1			
				2	28.8	8.1	24.6	5.4	80.8	3.3	4.8								
		Middle	5.4	1	28.7	8.1	24.8	5.3	79.2	3.1	3.7								
		Bottom	9.7	1	28.1	8.1	26.3	5.0	74.0	2.3	3.5								
						2	28.1	8.1	26.3	5.0	74.1	2.2	3.8	5.0					
				2	28.8	8.1	24.5	5.4	80.4	4.8	6.1								
		Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2								
		Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3								
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.3	8.1	24.8	5.0	73.0	5.1	3.8	5.0	4.3	3.4					
		2	28.8	8.1	24.5	5.4	80.3	4.8	5.9										
Middle		1	28.2	8.1	25.7	4.8	70.4	6.9	5.2										
Bottom	4.2	1	28.2	8.1	25.7	4.8	70.5	6.9	5.3										
				2	28.2	8.1	22.9	6.0	88.1	3.5	3.2	6.0							
		2	28.8	8.1	22.9	6.0	88.0	3.5	2.9										
Middle		1	28.3	8.1	24.8	5.0	72.9	5.1	3.6										
Bottom	3.8	1	28.3	8.1	24.8	5.0	73.0	5.1	3.8										
				2	28.														

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)
2022-08-03	Mid-Ebb	TCE-C1	Fine	Moderate	14:50	8.5	Surface	1.0	1	27.8	8.0	21.9	5.1	73.7	1.8	2.2	4.5	6.0	2.8
									2	27.8	8.0	21.9	5.1	73.1	1.8	2.3			
							Middle	4.3	1	25.8	8.0	28.4	4.0	57.3	4.1	2.8			
							Bottom	7.5	1	25.8	8.0	28.5	4.0	57.2	4.7	2.5			
				2	25.8	8.0	28.7	4.0	57.0	11.6	3.6								
				2	25.8	8.0	28.7	4.0	57.0	11.8	3.2								
		TCE-C2	Fine	Moderate	16:51	13.0	Surface	1.0	1	27.5	8.1	24.2	5.6	81.3	0.5	3.9	4.7	2.5	3.4
									2	27.5	8.1	24.2	5.6	80.9	0.5	4.2			
							Middle	6.5	1	24.8	8.0	30.1	3.7	53.3	2.7	3.5			
							Bottom	12.0	1	24.8	8.0	30.1	3.7	53.4	2.7	3.4			
				2	24.6	8.0	30.4	3.9	55.0	4.4	2.7								
				2	24.6	8.0	30.4	3.9	55.5	4.5	2.8								
	TCE-WQM1	Fine	Moderate	15:42	8.2	Surface	1.0	1	28.5	8.1	22.2	6.0	87.0	2.6	3.6	5.7	4.1	3.8	
								2	28.5	8.1	22.2	6.0	87.0	2.7	3.4				
						Middle	4.1	1	28.2	8.0	22.8	5.4	79.1	4.3	3.9				
						Bottom	7.2	1	28.2	8.0	22.9	5.4	79.2	4.4	3.7				
			2	27.9	8.0	23.7	5.1	73.9	5.2	4.0									
			2	27.9	8.0	23.8	5.1	74.0	5.3	4.3									
	TCE-WQM2a	Fine	Moderate	16:15	7.2	Surface	1.0	1	27.7	8.0	23.5	5.5	79.5	2.1	2.1	5.2	3.4	2.6	
								2	27.7	8.0	23.5	5.5	79.5	2.1	2.4				
						Middle	3.6	1	27.0	8.0	24.7	4.9	70.0	2.5	2.8				
						Bottom	6.2	1	26.9	8.0	24.8	4.9	69.8	2.8	2.6				
			2	26.2	8.0	27.1	4.4	63.0	5.5	3.0									
			2	26.2	8.0	27.1	4.4	63.3	5.7	2.9									
TCE-WQM2b	Fine	Moderate	16:26	11.7	Surface	1.0	1	27.8	8.0	23.3	5.5	79.0	1.0	3.4	4.7	6.1	2.9		
							2	27.8	8.0	23.3	5.4	78.8	1.0	3.6					
					Middle	5.9	1	25.5	8.0	28.5	4.0	56.8	6.8	3.0					
					Bottom	10.7	1	25.5	8.0	28.7	3.9	56.6	7.1	2.7					
		2	25.1	8.0	29.6	4.1	58.3	10.4	2.4										
		2	25.1	8.0	29.6	4.1	58.5	10.5	2.5										
TCE-WQM3A	Fine	Moderate	16:04	4.2	Surface	1.0	1	28.4	8.1	22.0	6.1	89.1	1.2	3.0	6.1	3.2	2.8		
							2	28.4	8.1	22.0	6.1	89.0	1.2	2.9					
					Bottom	3.2	1	27.8	8.0	23.5	5.2	75.2	5.3	2.6					
		2	27.8	8.0	23.5	5.2	75.4	5.4	2.5										
TCE-WQM4	Fine	Moderate	15:53	3.8	Surface	1.0	1	28.3	8.1	22.2	6.3	91.1	1.6	3.8	6.3	2.2	3.6		
							2	28.3	8.1	22.2	6.3	91.0	1.6	4.1					
					Bottom	2.8	1	28.3	8.1	22.3	6.2	89.5	2.8	3.4					
		2	28.3	8.1	22.3	6.2	89.5	2.8	3.0										
2022-08-03	Mid-Flood	TCE-C1	Fine	Moderate	10:46	8.0	Surface	1.0	1	27.8	8.0	22.3	5.2	75.4	2.8	3.5	4.7	6.1	2.9
									2	27.8	8.0	22.2	5.2	75.1	2.9	3.3			
							Middle	4.0	1	26.1	8.0	27.7	4.3	61.4	5.5	2.7			
							Bottom	7.0	1	26.1	8.0	27.8	4.2	61.2	5.8	3.1			
				2	25.8	8.0	28.7	4.3	61.9	9.5	2.1								
				2	25.8	8.0	28.7	4.3	62.0	10.0	2.4								
		TCE-C2	Fine	Moderate	8:52	13.6	Surface	1.0	1	28.1	8.0	21.8	5.6	80.2	0.9	2.9	5.1	2.1	2.3
									2	28.1	8.0	21.8	5.5	80.0	0.9	2.7			
							Middle	6.8	1	26.7	7.9	25.7	4.6	66.3	0.6	2.5			
							Bottom	12.6	1	26.7	7.9	25.6	4.6	66.3	0.6	2.2			
				2	25.0	7.9	29.6	3.8	53.7	4.8	1.7								
				2	25.0	7.9	29.6	3.8	53.8	4.9	1.9								
	TCE-WQM1	Fine	Moderate	10:03	8.6	Surface	1.0	1	28.4	8.0	22.1	6.0	87.4	2.2	4.0	6.0	4.7	4.3	
								2	28.4	8.0	22.1	6.0	87.3	2.2	3.8				
						Middle	4.3	1	28.2	8.0	22.3	5.9	85.8	3.4	4.2				
						Bottom	7.6	1	28.1	8.0	22.3	5.9	85.5	3.6	4.4				
			2	27.7	8.0	24.3	5.2	75.9	8.3	4.7									
			2	27.7	8.0	24.3	5.2	76.0	8.4	4.5									
	TCE-WQM2a	Fine	Moderate	9:30	6.8	Surface	1.0	1	28.1	8.0	22.6	5.7	82.2	1.2	3.2	5.5	3.6	2.6	
								2	28.1	8.0	22.6	5.7	82.2	1.2	3.0				
						Middle	3.4	1	27.8	8.0	23.4	5.3	77.1	1.2	2.7				
						Bottom	5.8	1	27.8	8.0	23.5	5.3	77.0	1.2	2.5				
			2	27.6	8.0	23.9	5.1	73.7	8.2	2.3									
			2	27.6	8.0	23.9	5.1	73.8	8.2	2.0									
TCE-WQM2b	Fine	Moderate	9:16	11.4	Surface	1.0	1	27.7	8.0	23.2	5.2	75.2	1.1	2.7	5.0	4.0	3.0		
							2	27.7	8.0	23.2	5.2	75.2	1.1	2.4					
					Middle	5.7	1	27.3	8.0	24.4	4.8	69.9	2.8	3.1					
					Bottom	10.4	1	27.3	8.0	24.4	4.8	69.9	2.6	2.8					
		2	26.1	7.9	27.4	3.9	56.7	8.1	3.4										
		2	26.1	7.9	27.4	3.9	56.7	8.1	3.6										
TCE-WQM3A	Fine	Moderate	9:41	3.9	Surface	1.0	1	28.3	8.0	22.0	5.9	85.3	1.2	2.8	5.9	2.0	2.8		
							2	28.3	8.0	22.0	5.9	84.9	1.3	3.0					
					Bottom	2.9	1	28.2	8.0	22.2	5.6	81.9	2.8	2.7					
		2	28.2	8.0	22.3	5.6	81.8	2.8	2.7										
TCE-WQM4	Fine	Moderate	9:52	3.3	Surface	1.0	1	28.2	8.0	22.2	5.8	84.6	3.0	2.6	5.8	4.8	3.1		
							2	28.2	8.0	22.2	5.8	84.4	3.2	2.8					
					Bottom	2.3	1	28.1	8.0	22.5	5.8	83.9	6.3	3.7					
		2	28.0	8.0	22.5	5.8	84.1	6.6	3.3										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-08-05	Mid-Ebb	TCE-C1	Rainy	Moderate	16:15	7.2	Surface	1.0	1	27.4	7.7	21.2	5.8	82.0	4.1	3.2	5.7	5.1	2.7
									2	27.3	7.7	21.4	5.7	81.5	4.1	3.0			
							Middle	3.6	1	27.2	7.6	21.8	5.6	80.1	5.2	2.5			
							Bottom	6.2	1	27.2	7.6	22.0	5.5	78.3	5.2	2.8			
				2	27.1	7.4	23.4	5.8	82.9	6.0	2.2								
				2	27.1	7.4	23.6	5.8	83.9	6.0	2.4								
		TCE-C2	Rainy	Moderate	17:49	13.0	Surface	1.0	1	26.3	7.8	26.8	5.1	72.8	1.4	2.2	4.7	2.5	1.8
									2	26.2	7.8	26.9	4.9	70.9	1.5	2.6			
							Middle	6.5	1	26.1	7.5	29.5	4.5	64.9	2.7	1.6			
							Bottom	12.0	1	26.1	7.5	29.5	4.5	65.9	2.8	1.8			
				2	26.0	7.5	29.5	5.0	72.9	3.4	1.1								
				2	26.0	7.4	29.2	5.2	75.4	3.4	1.2								
	TCE-WQM1	Rainy	Moderate	16:42	8.2	Surface	1.0	1	27.5	7.6	25.2	5.7	82.9	3.7	1.6	5.5	4.7	1.8	
								2	27.5	7.5	25.3	5.6	81.6	3.8	1.4				
						Middle	4.1	1	27.4	7.3	25.6	5.4	79.2	4.8	1.9				
						Bottom	7.2	1	27.4	7.3	25.7	5.4	79.8	4.7	1.8				
			2	27.3	7.1	25.8	5.5	80.0	5.6	2.1									
			2	27.4	7.0	25.3	5.5	80.4	5.7	2.2									
	TCE-WQM2a	Rainy	Moderate	17:13	6.4	Surface	1.0	1	27.1	7.8	24.5	5.4	77.9	1.1	2.3	5.0	2.3	2.7	
								2	27.1	7.8	24.5	5.4	77.9	1.1	2.1				
						Middle	3.2	1	27.0	7.7	26.7	4.7	68.1	2.1	2.5				
						Bottom	5.4	1	27.0	7.7	26.8	4.7	68.1	2.1	2.8				
			2	26.9	7.5	27.0	4.8	70.0	3.8	3.2									
			2	27.0	7.5	26.8	5.0	72.8	3.7	3.0									
	TCE-WQM2b	Rainy	Moderate	17:25	9.0	Surface	1.0	1	26.7	7.8	25.4	4.8	69.3	3.7	1.9	4.4	4.5	2.3	
								2	26.6	7.8	25.6	4.8	68.4	3.6	1.8				
						Middle	4.5	1	26.3	7.8	29.2	4.0	59.0	4.3	2.2				
						Bottom	8.0	1	26.3	7.8	29.3	4.0	58.8	4.3	2.3				
			2	26.2	7.6	29.6	4.1	60.0	5.4	2.8									
			2	26.2	7.6	29.6	4.2	60.6	5.4	2.6									
	TCE-WQM3A	Rainy	Moderate	17:03	5.0	Surface	1.0	1	27.4	7.6	24.3	5.8	83.6	4.3	3.2	5.8	4.7	2.7	
								2	27.4	7.6	24.4	5.8	84.1	4.3	3.0				
						Bottom	4.0	1	27.4	7.3	24.6	6.0	86.2	5.0	2.3				
								2	27.4	7.2	24.4	6.1	88.2	5.0	2.2				
			2	27.4	7.7	25.0	5.6	81.9	4.4	2.6									
			2	27.4	7.7	25.0	5.6	81.8	4.4	2.4									
TCE-WQM4	Rainy	Moderate	16:53	4.0	Surface	1.0	1	27.4	7.4	25.3	5.7	82.3	5.2	2.2	6.0	4.8	2.4		
							2	27.4	7.4	25.3	5.7	83.0	5.2	2.2					
					Bottom	3.0	1	27.4	7.4	25.3	5.7	82.3	5.2	2.2					
							2	27.4	7.4	25.3	5.7	83.0	5.2	2.2					
		2	27.4	7.7	25.0	5.6	81.9	4.4	2.6										
		2	27.4	7.7	25.0	5.6	81.8	4.4	2.4										
2022-08-05	Mid-Flood	TCE-C1	Rainy	Moderate	13:22	7.0	Surface	1.0	1	27.5	7.8	20.3	5.9	84.2	4.0	4.1	5.7	5.2	3.4
									2	27.5	7.8	20.3	5.9	84.1	4.0	3.9			
							Middle	3.5	1	27.3	7.8	22.4	5.4	77.4	5.6	3.4			
							Bottom	6.0	1	27.3	7.7	22.5	5.4	77.2	5.6	3.5			
				2	27.3	7.7	23.1	5.3	76.5	6.1	2.8								
				2	27.3	7.7	23.1	5.3	76.6	6.1	2.7								
		TCE-C2	Rainy	Moderate	11:24	13.2	Surface	1.0	1	26.5	7.9	28.1	4.6	66.4	1.3	1.6	4.4	2.5	1.3
									2	26.5	7.9	28.3	4.5	65.8	1.3	1.9			
							Middle	6.6	1	26.3	7.9	29.0	4.3	62.8	2.5	1.4			
							Bottom	12.2	1	26.3	7.9	29.2	4.1	59.3	2.5	1.2			
				2	26.2	7.8	29.6	4.1	59.9	3.6	0.9								
				2	26.2	7.8	29.5	4.1	60.1	3.5	0.7								
		TCE-WQM1	Rainy	Moderate	12:33	6.4	Surface	1.0	1	27.5	7.7	24.7	5.7	82.9	2.4	1.9	5.5	3.7	1.4
									2	27.5	7.7	24.7	5.6	81.6	2.4	1.7			
							Middle	3.2	1	27.5	7.7	24.9	5.4	79.0	3.8	1.6			
							Bottom	5.4	1	27.5	7.6	25.0	5.4	79.8	3.8	1.4			
				2	27.6	7.4	24.9	5.5	80.2	4.9	0.9								
				2	27.6	7.4	24.7	5.4	80.1	4.9	0.8								
		TCE-WQM2a	Rainy	Moderate	12:00	7.4	Surface	1.0	1	27.2	7.8	25.5	5.0	72.4	3.1	3.4	4.9	4.1	3.0
									2	27.2	7.8	25.5	5.0	72.4	3.1	3.7			
							Middle	3.7	1	27.2	7.8	25.6	5.0	72.2	4.2	2.9			
							Bottom	6.4	1	27.2	7.8	25.7	4.9	70.6	4.2	3.2			
				2	27.3	7.4	26.8	4.5	66.5	5.1	2.2								
				2	27.3	7.4	26.8	4.6	67.4	5.1	2.6								
	TCE-WQM2b	Rainy	Moderate	11:48	9.8	Surface	1.0	1	27.0	7.6	23.7	5.5	78.8	2.0	1.2	5.2	3.2	1.8	
								2	27.0	7.5	23.7	5.5	78.1	2.1	1.4				
						Middle	4.9	1	27.1	7.3	26.4	4.9	71.4	3.0	1.7				
						Bottom	8.8	1	27.1	7.2	26.3	4.9	71.7	3.1	2.0				
			2	27.4	7.0	26.0	5.4	78.2	4.3	2.2									
			2	27.4	7.0	25.7	5.5	79.9	4.4	2.5									
	TCE-WQM3A	Rainy	Moderate	12:11	4.4	Surface	1.0	1	27.5	7.6	24.9	5.4	78.5	2.3	2.7	5.4	3.2	2.2	
								2	27.5	7.6	24.9	5.4	78.4	2.3	3.0				
						Bottom	3.4	1	27.6	7.3	24.9	5.6	82.2	4.1	1.6				
								2	27.6	7.3	24.8	5.8	83.7	4.0	1.4				
	TCE-WQM4	Rainy	Moderate	12:20	4.4	Surface	1.0	1	27.3	7.8	25.0	5.3	76.9	3.1	1.4	5.3	3.8	2.1	
								2	27.3	7.7	25.0	5.3	76.7	3.1	1.4				
Bottom						3.4	1	27.4	7.5	25.0	5.2	75.9	4.4	2.6					
							2	27.5	7.5	24.9	5.3	77.2	4.4	3.0					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
2022-08-08	Mid-Ebb	TCE-C1	Rainy	Rough	10:52	8.2	Surface	1.0	1	26.7	7.9	23.4	5.2	74.3	1.8	3.2	5.0	5.7	2.5		
									2	26.7	7.9	23.4	5.2	74.1	1.8	3.7					
							Middle	4.1	1	26.4	7.9	24.6	4.8	68.8	6.4	2.2					
									2	26.4	7.9	24.6	4.8	68.9	6.3	2.4					
							Bottom	7.2	1	26.4	7.9	24.8	4.8	68.0	8.9	1.8					
									2	26.4	7.9	24.8	4.8	68.0	8.8	1.6					
		TCE-C2	Cloudy	Rough	8:17	14.8	Surface	1.0	1	26.6	7.9	24.1	5.4	76.6	2.5	2.6	5.1	4.2	3.3		
									2	26.6	7.9	24.2	5.4	76.5	2.6	2.4					
							Middle	7.4	1	26.2	7.9	25.7	4.9	69.2	3.4	3.0					
									2	26.1	7.9	25.8	4.9	69.2	3.4	3.4					
							Bottom	13.8	1	25.5	7.9	27.3	4.4	63.2	6.6	4.4					
									2	25.5	7.9	27.3	4.4	63.1	6.5	4.1					
		TCE-WQM1	Rainy	Moderate	10:03	9.6	Surface	1.0	1	27.0	7.9	23.5	5.0	71.4	1.8	2.8	4.8	3.5	3.6		
									2	27.0	7.9	23.5	5.0	71.3	1.8	3.0					
							Middle	4.8	1	26.7	7.9	24.3	4.6	65.1	2.9	3.4					
									2	26.7	7.9	24.3	4.6	65.1	2.9	3.8					
							Bottom	8.6	1	26.2	7.9	25.9	3.8	54.7	5.8	4.1					
									2	26.2	7.9	25.9	3.8	54.9	5.8	4.4					
		TCE-WQM2a	Rainy	Rough	9:24	7.1	Surface	1.0	1	26.8	7.8	23.7	5.4	77.5	2.1	2.8	5.2	4.7	3.2		
									2	26.8	7.8	23.7	5.4	77.5	2.1	2.4					
							Middle	3.6	1	26.6	7.8	24.6	4.9	70.4	3.5	3.5					
									2	26.5	7.7	24.6	4.9	70.4	3.5	3.3					
							Bottom	6.1	1	26.2	7.7	25.6	4.5	64.4	8.4	3.8					
									2	26.2	7.7	25.6	4.5	64.5	8.5	3.6					
	TCE-WQM2b	Cloudy	Rough	8:44	11.6	Surface	1.0	1	26.7	7.9	24.0	5.4	77.4	3.2	1.8	5.2	5.7	2.3			
								2	26.6	7.9	24.0	5.4	77.3	3.3	1.9						
						Middle	5.8	1	26.4	7.9	24.9	5.1	72.5	4.5	2.4						
								2	26.4	7.9	24.9	5.1	72.4	4.6	2.2						
						Bottom	10.6	1	26.2	7.9	25.7	4.9	70.1	9.4	2.5						
								2	26.2	7.9	25.7	4.9	70.1	9.5	2.8						
	TCE-WQM3A	Rainy	Moderate	9:35	5.7	Surface	1.0	1	27.0	7.8	23.3	4.7	67.8	3.1	4.1	4.7	6.3	4.6			
								2	27.0	7.8	23.3	4.7	67.8	3.1	4.4						
						Bottom	4.7	1	26.6	7.8	24.5	4.1	58.4	9.5	4.8						
								2	26.6	7.8	24.6	4.1	58.4	9.6	5.2						
						Surface	1.0	1	27.3	7.9	22.9	5.9	84.1	3.7	4.6				5.9	4.4	4.3
								2	27.3	7.9	22.9	5.9	84.0	3.7	4.9						
	Bottom	4.1	1	26.3	7.8	25.5	4.1	58.4	5.1	3.7											
			2	26.3	7.8	25.5	4.1	58.6	5.1	4.0											
	Surface	1.0	1	26.8	8.0	23.2	5.5	78.9	1.3	2.6	5.3	2.8	2.1								
			2	26.8	8.0	23.2	5.5	78.9	1.3	2.5											
	Middle	3.9	1	26.6	7.9	24.1	5.1	72.2	2.5	2.2											
			2	26.6	7.9	24.1	5.1	72.2	2.5	2.0											
	Bottom	6.8	1	26.4	7.9	24.7	4.8	69.0	4.5	1.8											
			2	26.4	7.9	24.7	4.8	69.1	4.5	1.6											
	TCE-C2	Rainy	Rough	17:43	13.4	Surface	1.0	1	27.3	7.9	22.3	5.6	80.6	1.2	3.0	5.1	2.9	2.4			
								2	27.3	7.9	22.3	5.6	80.5	1.2	2.8						
						Middle	6.7	1	26.5	7.9	24.6	4.6	65.6	2.8	2.3						
								2	26.5	7.9	24.5	4.6	65.7	2.8	2.5						
Bottom						12.4	1	26.0	7.9	25.9	4.3	60.9	4.6	1.9							
							2	26.0	7.9	26.0	4.3	60.8	4.6	1.7							
TCE-WQM1	Rainy	Rough	16:24	8.2	Surface	1.0	1	27.8	8.0	22.3	6.4	92.5	2.7	2.8	5.7	4.9	2.4				
							2	27.8	8.0	22.3	6.4	92.4	2.8	3.0							
					Middle	4.1	1	26.9	7.9	23.9	5.0	71.4	2.1	2.5							
							2	26.9	7.9	23.9	5.0	71.1	2.2	2.2							
					Bottom	7.2	1	26.3	7.9	25.6	4.0	57.4	9.8	1.7							
							2	26.3	7.9	25.6	4.0	57.6	9.8	1.9							
TCE-WQM2a	Cloudy	Rough	17:04	6.9	Surface	1.0	1	27.1	7.9	23.7	5.9	84.6	3.7	2.3	5.6	4.8	2.9				
							2	27.1	7.9	23.7	5.9	84.6	3.7	2.5							
					Middle	3.5	1	26.8	7.9	24.2	5.3	75.5	4.7	3.0							
							2	26.8	7.9	24.3	5.3	75.5	4.7	2.8							
					Bottom	5.9	1	26.4	7.9	25.2	4.9	69.4	5.9	3.4							
							2	26.4	7.9	25.1	4.9	69.7	6.0	3.2							
TCE-WQM2b	Rainy	Rough	17:15	10.7	Surface	1.0	1	27.1	7.9	22.7	5.2	74.1	2.4	4.0	5.0	3.8	3.1				
							2	27.1	7.9	22.7	5.2	74.1	2.4	3.6							
					Middle	5.4	1	26.9	7.9	23.6	4.8	68.2	3.8	3.3							
							2	26.9	7.9	23.6	4.8	68.2	3.8	3.0							
					Bottom	9.7	1	24.9	7.9	28.5	3.5	49.7	5.3	2.2							
							2	24.9	7.9	28.5	3.5	49.8	5.3	2.6							
TCE-WQM3A	Cloudy	Rough	16:49	4.6	Surface	1.0	1	27.1	8.0	23.6	6.1	87.0	2.9	4.0	6.1	3.4	3.6				
							2	27.1	8.0	23.6	6.1	86.9	3.0	3.9							
					Bottom	3.6	1	27.2	7.9	23.7	5.5	78.8	3.9	3.1							
							2	27.2	7.9	23.7	5.5	78.8	3.9	3.4							
					Surface	1.0	1	27.3	7.9	23.6	5.7	81.3	5.8	5.7				5.7	5.4	5.1	
							2	27.3	7.9	23.6	5.7	81.2	5.8	5.3							
Bottom	3.2	1	26.6	7.9	24.8	4.4	63.2	4.9	4.6												
		2	26.6	7.9	24.9	4.4	63.3	4.9	4.8												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged				
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)		
2022-08-12	Mid-Ebb	TCE-C1	Rainy	Moderate	13:53	7.2	Surface	1.0	1	26.6	8.1	24.9	6.0	86.3	1.1	2.3	6.0	2.3	2.6		
									2	26.6	8.1	24.7	6.0	86.2	1.1	2.1					
							Middle	3.6	1	26.6	8.1	27.5	6.0	86.7	2.7	2.7					
									2	26.6	8.1	27.5	6.0	86.7	2.8	2.5					
							Bottom	6.2	1	26.6	8.1	27.7	6.0	87.7	3.2	3.2					
									2	26.6	8.1	27.6	6.1	88.6	3.2	2.9					
		TCE-C2	Rainy	Moderate	11:41	12.8	Surface	1.0	1	25.6	7.9	26.5	4.9	70.1	1.0	2.4	4.9	1.1	2.7		
									2	25.6	7.9	26.6	4.9	69.9	1.0	2.2					
							Middle	6.4	1	25.5	7.9	26.9	4.9	70.0	1.1	2.8					
									2	25.5	7.9	26.9	4.9	70.2	1.1	2.6					
							Bottom	11.8	1	25.5	7.9	26.8	5.0	71.8	1.1	3.0					
									2	25.6	7.9	26.8	5.1	72.1	1.2	3.1					
		TCE-WQM1	Rainy	Moderate	13:18	6.0	Surface	1.0	1	26.4	7.9	22.4	6.2	87.8	1.8	3.4	6.3	2.5	2.7		
									2	26.4	7.9	22.4	6.3	88.0	1.7	3.1					
							Middle	3.0	1	26.4	7.9	22.4	6.3	88.6	2.2	2.5					
									2	26.4	7.9	22.4	6.3	88.9	2.1	2.8					
							Bottom	5.0	1	26.4	7.9	22.4	6.4	90.1	3.7	2.3					
									2	26.4	7.9	22.4	6.4	90.6	3.8	2.1					
		TCE-WQM2a	Rainy	Moderate	12:46	7.0	Surface	1.0	1	26.0	7.8	23.6	5.5	77.3	1.1	3.1	5.4	1.2	3.5		
									2	26.0	7.8	23.6	5.5	77.3	1.1	3.3					
							Middle	3.5	1	25.9	7.8	25.5	5.4	76.6	1.2	3.6					
									2	25.9	7.8	25.4	5.4	76.7	1.2	3.4					
							Bottom	6.0	1	26.0	7.8	25.2	5.5	77.8	1.4	3.7					
									2	26.0	7.8	25.1	5.5	78.1	1.3	4.0					
	TCE-WQM2b	Rainy	Moderate	12:02	9.6	Surface	1.0	1	25.6	7.9	26.5	5.1	72.8	1.0	2.6	5.1	1.1	3.7			
								2	25.6	7.9	26.5	5.1	72.9	1.0	3.0						
						Middle	4.8	1	25.7	7.9	26.5	5.2	73.3	1.1	3.7						
								2	25.7	7.9	26.5	5.2	73.6	1.2	4.0						
						Bottom	8.6	1	25.9	7.9	26.3	5.3	75.2	1.2	4.4						
								2	25.9	7.9	26.2	5.3	75.8	1.2	4.7						
	TCE-WQM3A	Rainy	Moderate	12:57	4.6	Surface	1.0	1	26.5	7.8	21.4	5.9	82.5	2.3	2.8	6.0	2.7	2.7			
								2	26.5	7.8	21.5	6.2	86.3	2.4	3.1						
						Bottom	3.6	1	26.4	7.8	21.8	6.5	91.2	3.1	2.4						
								2	26.4	7.9	21.6	6.7	93.5	3.2	2.3						
						Surface	1.0	1	26.3	7.9	21.9	6.4	89.6	1.0	2.2				6.4	1.1	2.8
								2	26.3	7.9	22.0	6.4	90.3	1.0	2.5						
	Bottom	4.0	1	26.2	7.9	22.4	6.6	93.1	1.1	3.4											
			2	26.2	7.9	22.3	6.7	94.0	1.1	3.2											
	Surface	1.0	1	26.4	7.9	21.4	5.9	82.5	1.5	2.6	5.9	2.3	2.3								
			2	26.4	7.9	21.4	5.9	82.5	1.5	2.9											
	Middle	3.5	1	26.4	7.9	23.5	5.8	82.5	2.1	2.4											
			2	26.4	7.9	23.7	5.8	82.5	2.1	2.2											
	Bottom	6.0	1	26.4	7.9	23.7	5.8	82.6	3.2	1.8											
			2	26.4	7.9	23.7	5.8	82.7	3.2	2.0											
	TCE-C2	Rainy	Moderate	20:21	12.8	Surface	1.0	1	26.3	7.9	23.2	5.8	81.5	1.1	2.4	5.8	2.1	2.2			
								2	26.3	7.9	23.2	5.8	81.5	1.0	2.6						
						Middle	6.4	1	26.3	7.9	23.2	5.9	82.8	2.1	2.1						
								2	26.3	7.9	23.2	5.9	83.0	2.1	2.3						
Bottom						11.8	1	26.3	7.9	23.2	6.0	84.8	3.1	1.8							
							2	26.3	7.9	23.2	6.1	85.4	3.1	1.9							
TCE-WQM1	Rainy	Moderate	19:10	8.4	Surface	1.0	1	26.3	7.9	20.4	5.9	82.5	1.3	4.6	5.9	2.4	3.5				
							2	26.4	7.9	20.3	5.9	82.5	1.2	4.1							
					Middle	4.2	1	26.4	7.9	22.9	5.9	82.6	2.4	3.4							
							2	26.4	7.9	22.9	5.9	82.7	2.5	3.8							
					Bottom	7.4	1	26.4	7.9	23.0	5.9	83.5	3.5	2.4							
							2	26.4	7.9	23.0	5.9	83.6	3.4	2.7							
TCE-WQM2a	Rainy	Moderate	19:48	6.2	Surface	1.0	1	26.2	7.9	23.3	5.8	81.8	1.0	2.9	5.8	1.1	3.2				
							2	26.2	7.9	23.3	5.8	81.8	1.0	2.8							
					Middle	3.1	1	26.1	7.9	23.7	5.8	81.8	1.1	3.3							
							2	26.1	7.9	23.8	5.8	82.2	1.2	3.1							
					Bottom	5.2	1	26.1	7.9	23.9	6.3	88.5	1.3	3.4							
							2	26.1	7.9	23.9	6.4	90.2	1.3	3.6							
TCE-WQM2b	Rainy	Moderate	20:01	8.2	Surface	1.0	1	26.3	7.9	23.2	5.8	81.8	2.1	2.4	5.8	3.2	2.9				
							2	26.3	7.9	23.3	5.8	81.8	2.0	2.1							
					Middle	4.1	1	26.3	7.9	23.3	5.8	82.2	3.2	2.6							
							2	26.3	7.9	23.3	5.8	82.5	3.3	2.9							
					Bottom	7.2	1	26.3	7.9	23.3	6.2	87.4	4.2	3.5							
							2	26.3	7.9	23.3	6.2	87.9	4.2	3.8							
TCE-WQM3A	Rainy	Moderate	19:39	5.0	Surface	1.0	1	26.3	7.9	21.4	5.7	79.7	1.0	2.4	5.7	1.8	3.0				
							2	26.3	7.9	21.2	5.7	79.7	1.0	2.5							
					Bottom	4.0	1	26.3	7.9	23.0	6.3	88.4	2.6	3.4							
							2	26.3	7.9	23.0	6.3	88.4	2.6	3.7							
					Surface	1.0	1	26.3	7.9	21.7	6.4	89.1	2.3	3.5				6.4	2.9	3.1	
							2	26.3	7.9	21.8	6.4	89.4	2.2	3.9							
Bottom	3.2	1	26.3	7.9	22.2	6.5	91.2	3.5	2.5												
		2	26.3	7.9	22.2	6.6	92.4	3.5	2.3												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-08-15	Mid-Ebb	TCE-C1	Sunny	Calm	13:43	8.3	Surface	1.0	1	28.1	8.1	21.6	6.0	86.1	2.0	3.2	5.8	4.4	2.4
									2	28.0	8.1	21.6	6.0	86.1	2.1	2.8			
							Middle	4.2	1	27.4	8.1	26.5	5.6	81.5	3.1	2.6			
							Bottom	7.3	1	27.2	8.1	27.9	5.3	77.6	8.1	1.9			
				2	27.2	8.1	27.9	5.3	77.6	8.0	1.6								
		TCE-C2	Sunny	Calm	15:36	12.4	Surface	1.0	1	28.4	8.0	21.3	6.3	91.7	1.6	3.8	6.0	2.5	3.5
									2	28.4	8.0	21.3	6.3	91.7	1.5	4.2			
							Middle	6.2	1	27.7	8.0	22.9	5.6	81.0	2.9	3.4			
							Bottom	11.4	1	27.7	8.0	22.9	5.6	80.9	3.0	3.7			
				2	27.5	8.0	23.4	5.4	78.4	3.1	3.2								
		TCE-WQM1	Sunny	Calm	14:25	9.7	Surface	1.0	1	28.3	8.0	22.0	5.9	85.3	2.4	3.3	5.8	2.8	3.6
									2	28.3	8.0	22.0	5.9	85.3	2.4	3.0			
	Middle						4.9	1	28.2	8.0	22.0	5.8	84.2	2.7	3.5				
	Bottom						8.7	1	28.2	8.0	22.0	5.8	84.2	2.7	3.7				
			2	28.1	8.1	22.0	5.8	83.6	3.4	3.9									
	TCE-WQM2a	Sunny	Calm	14:55	7.6	Surface	1.0	1	27.8	8.0	22.6	5.9	84.5	1.5	4.2	5.8	1.9	3.1	
								2	27.8	8.0	22.6	5.9	84.5	1.5	3.7				
						Middle	3.8	1	27.6	8.0	22.8	5.7	82.5	1.6	3.1				
						Bottom	6.6	1	27.6	8.0	22.8	5.7	82.5	1.6	2.8				
			2	27.3	8.0	24.0	5.3	76.2	2.5	2.4									
	TCE-WQM2b	Sunny	Calm	15:11	10.6	Surface	1.0	1	29.0	8.0	20.4	6.4	93.1	3.3	3.4	6.3	4.3	2.8	
								2	29.0	8.0	20.4	6.4	93.1	3.3	3.4				
						Middle	5.3	1	28.5	8.0	21.1	6.3	91.2	4.1	2.8				
						Bottom	9.6	1	27.8	8.0	22.1	5.7	81.4	5.5	2.2				
		2	27.8	8.0	22.2	5.7	81.3	5.4	2.4										
TCE-WQM3A	Sunny	Calm	14:46	5.4	Surface	1.0	1	28.3	8.0	20.4	6.3	90.0	1.8	2.5	6.3	3.4	3.2		
							2	28.3	8.0	20.4	6.3	90.0	1.8	2.9					
					Bottom	4.4	1	27.8	8.0	21.5	5.7	81.9	4.9	3.6					
		2	27.8	8.0	21.5	5.7	81.8	4.9	3.9										
TCE-WQM4	Sunny	Calm	14:36	4.8	Surface	1.0	1	29.0	8.0	21.2	6.4	93.4	1.4	3.9	6.4	2.7	3.1		
							2	29.0	8.0	21.2	6.4	93.4	1.4	3.6					
					Bottom	3.8	1	28.2	8.0	21.8	5.9	85.9	4.0	2.6					
		2	28.2	8.0	21.8	5.9	85.9	4.0	2.3										
2022-08-15	Mid-Flood	TCE-C1	Sunny	Moderate	9:33	7.6	Surface	1.0	1	27.6	8.1	23.1	5.6	80.4	4.7	3.4	5.5	5.9	2.8
									2	27.6	8.1	23.1	5.6	80.4	4.7	3.2			
							Middle	3.8	1	27.5	8.1	24.2	5.5	79.4	4.5	3.0			
							Bottom	6.6	1	27.5	8.1	24.1	5.5	79.4	4.5	2.7			
				2	27.3	8.1	26.7	5.3	77.0	8.5	2.2								
		TCE-C2	Sunny	Moderate	7:31	10.1	Surface	1.0	1	27.2	7.9	23.0	5.2	74.5	2.1	3.2	4.9	4.7	2.4
									2	27.1	7.9	23.1	5.2	74.4	2.0	2.9			
							Middle	5.1	1	26.7	8.0	26.1	4.7	67.8	3.2	2.5			
							Bottom	9.1	1	26.7	8.0	26.1	4.7	67.8	3.2	2.2			
				2	26.6	7.9	26.4	4.7	67.8	8.9	1.8								
		TCE-WQM1	Sunny	Calm	8:34	8.2	Surface	1.0	1	27.8	7.9	21.6	5.7	82.1	1.1	3.0	5.7	1.6	2.7
									2	27.8	7.9	21.6	5.7	82.2	1.1	3.3			
							Middle	4.1	1	27.8	8.0	21.7	5.7	81.5	1.6	2.6			
							Bottom	7.2	1	27.7	8.0	21.8	5.7	81.8	2.0	2.3			
				2	27.7	8.0	21.8	5.7	81.9	2.0	2.1								
		TCE-WQM2a	Sunny	Calm	8:05	6.6	Surface	1.0	1	27.9	7.9	20.9	5.6	79.8	1.8	4.4	5.4	3.6	3.8
									2	27.9	7.9	20.9	5.6	79.8	1.8	4.7			
							Middle	3.3	1	27.6	7.9	21.7	5.3	76.1	2.8	4.2			
							Bottom	5.6	1	27.6	7.9	21.7	5.3	76.1	2.8	3.8			
				2	27.5	7.9	22.1	5.2	74.7	6.2	2.7								
		TCE-WQM2b	Sunny	Moderate	7:52	8.4	Surface	1.0	1	27.7	7.9	21.7	5.4	77.9	5.3	5.6	5.4	6.5	4.8
									2	27.7	7.9	21.7	5.4	77.8	5.3	5.2			
							Middle	4.2	1	27.6	7.9	21.9	5.4	76.6	7.3	5.0			
							Bottom	7.4	1	27.6	7.9	21.9	5.4	76.6	7.3	4.7			
		2	27.5	7.9	22.2	5.3	76.3	6.9	4.4										
TCE-WQM3A	Sunny	Calm	8:12	4.3	Surface	1.0	1	27.8	7.9	20.9	5.7	81.9	2.3	2.4	5.7	4.5	3.0		
							2	27.8	7.9	20.9	5.7	81.9	2.4	2.8					
					Bottom	3.3	1	27.7	7.9	21.1	5.8	82.5	6.6	3.3					
		2	27.7	7.9	21.1	5.8	82.7	6.6	3.6										
TCE-WQM4	Sunny	Calm	8:21	3.8	Surface	1.0	1	27.8	7.9	20.8	5.8	82.2	1.4	2.6	5.8	1.4	3.2		
							2	27.8	7.9	20.8	5.8	82.2	1.3	3.0					
					Bottom	2.8	1	27.7	7.9	21.2	5.7	81.2	1.5	3.7					
		2	27.7	7.9	21.2	5.7	81.2	1.5	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)
2022-08-17	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:49	8.4	Surface	1.0	1	28.1	8.1	22.9	6.3	91.2	0.6	2.6	5.9	2.4	3.4
									2	28.1	8.1	22.8	6.3	91.2	0.6	2.8			
							Middle	4.2	1	27.7	8.1	25.2	5.6	81.9	1.2	3.2			
							Bottom	7.4	1	27.5	8.1	27.0	5.4	79.2	5.6	4.2			
				2	27.5	8.1	27.0	5.4	79.3	5.3	3.9								
		TCE-C2	Cloudy	Moderate	16:30	13.0	Surface	1.0	1	27.4	8.2	25.1	6.2	90.1	0.6	2.7	5.5	2.1	3.5
									2	27.4	8.2	25.2	6.2	90.1	0.6	2.9			
							Middle	6.5	1	26.3	8.1	28.2	4.7	68.7	3.1	3.2			
							Bottom	12.0	1	26.3	8.1	28.2	4.7	68.8	3.1	3.6			
				2	26.3	8.1	28.0	4.9	70.4	2.5	4.1								
		TCE-WQM1	Cloudy	Moderate	15:25	8.7	Surface	1.0	1	26.4	8.1	27.9	4.9	70.8	2.5	4.4	4.9	2.2	3.2
									2	28.5	8.1	21.9	6.5	94.8	1.6	2.2			
	Middle						4.4	1	28.3	8.1	22.1	6.1	88.4	2.4	3.1				
	Bottom						7.7	1	28.3	8.1	22.1	6.1	88.4	2.4	3.3				
			2	28.2	8.1	22.2	6.1	88.0	2.7	3.9									
	TCE-WQM2a	Cloudy	Moderate	15:55	7.5	Surface	1.0	1	28.2	8.1	22.2	6.1	88.0	2.7	4.3	7.0	1.2	2.9	
								2	28.2	8.1	22.2	6.1	88.0	2.7	4.3				
						Middle	3.8	1	28.1	8.1	22.4	6.9	99.9	1.4	2.7				
						Bottom	6.5	1	28.1	8.1	22.5	6.9	99.4	1.5	3.0				
			2	28.1	8.1	22.5	6.9	99.4	1.5	3.0									
	TCE-WQM2b	Cloudy	Moderate	16:04	10.7	Surface	1.0	1	28.2	8.1	22.4	6.2	90.6	1.5	2.5	6.2	4.1	3.4	
								2	28.2	8.1	22.4	6.2	90.6	1.5	2.5				
						Middle	5.4	1	28.3	8.1	22.4	6.8	98.7	0.7	3.8				
						Bottom	9.7	1	28.3	8.1	22.4	6.8	98.5	0.8	4.0				
		2	27.5	8.1	25.4	5.2	75.6	2.0	3.2										
TCE-WQM3A	Cloudy	Moderate	15:44	4.2	Surface	1.0	1	26.6	8.1	27.5	4.8	69.6	9.4	3.0	4.8	6.3	2.2		
							2	26.6	8.1	27.5	4.8	69.6	9.4	2.6					
					Middle	4.4	1	28.6	8.2	21.6	7.3	105.7	1.6	1.8					
					Bottom	3.2	1	28.6	8.2	21.6	7.3	105.7	1.6	1.9					
		2	28.2	8.1	22.1	6.6	96.1	11.1	2.3										
TCE-WQM4	Cloudy	Moderate	15:34	3.3	Surface	1.0	1	28.2	8.2	22.1	6.6	96.1	11.1	2.6	7.1	2.8	3.5		
							2	28.2	8.2	21.9	7.1	102.1	2.1	2.9					
					Middle	2.3	1	28.1	8.1	22.2	6.4	92.2	3.3	3.7					
					Bottom	2.3	1	28.1	8.1	22.2	6.4	92.1	3.4	4.0					
		2	28.1	8.1	22.2	6.4	92.1	3.4	4.0										
2022-08-17	Mid-Flood	TCE-C1	Sunny	Moderate	11:10	8.3	Surface	1.0	1	28.0	8.1	23.0	6.2	90.0	0.8	1.9	5.8	3.6	2.3
									2	28.0	8.1	23.0	6.2	89.9	0.9	1.7			
							Middle	4.2	1	27.6	8.1	25.1	5.5	80.3	1.3	2.4			
							Bottom	7.3	1	27.6	8.1	25.1	5.5	80.1	1.3	2.2			
				2	27.5	8.1	27.0	5.4	80.0	8.9	2.6								
		TCE-C2	Sunny	Moderate	9:20	13.9	Surface	1.0	1	27.5	8.1	27.0	5.4	80.0	8.7	2.9	5.4	0.8	2.3
									2	27.5	8.1	27.0	5.4	80.0	8.7	2.9			
							Middle	7.0	1	28.1	8.0	21.5	6.4	92.5	0.5	3.0			
							Bottom	12.9	1	27.6	8.0	22.7	5.7	82.6	0.5	2.4			
				2	27.6	8.0	22.6	5.7	82.5	0.7	2.1								
		TCE-WQM1	Sunny	Moderate	10:23	8.2	Surface	1.0	1	26.8	8.0	26.4	4.8	69.6	1.3	1.8	4.8	2.7	3.4
									2	26.8	8.0	26.4	4.8	69.6	1.3	1.9			
	Middle						4.1	1	28.4	8.1	21.8	6.4	92.3	2.0	4.0				
	Bottom						7.2	1	28.3	8.1	21.9	6.4	92.4	2.1	4.4				
			2	28.3	8.1	21.9	6.4	92.3	3.0	3.6									
	TCE-WQM2a	Sunny	Moderate	9:56	7.4	Surface	1.0	1	28.3	8.1	22.0	6.1	88.3	3.1	2.4	6.1	2.6	2.6	
								2	28.3	8.1	22.0	6.1	88.4	3.0	2.6				
						Middle	3.7	1	27.9	8.0	22.5	5.9	84.9	0.9	3.2				
						Bottom	6.4	1	27.9	8.0	22.5	5.9	84.9	0.9	2.8				
			2	27.9	8.0	22.7	5.7	82.4	2.5	2.4									
	TCE-WQM2b	Sunny	Moderate	9:42	10.7	Surface	1.0	1	27.9	8.0	22.7	5.7	82.4	2.5	2.6	5.8	2.1	2.8	
								2	27.9	8.0	22.7	5.7	82.4	2.5	2.6				
						Middle	5.4	1	27.9	8.0	22.8	5.7	81.9	4.1	2.2				
						Bottom	9.7	1	27.9	8.0	22.8	5.7	81.9	4.3	2.1				
		2	27.2	8.0	25.5	5.0	72.2	3.5	3.4										
TCE-WQM3A	Sunny	Moderate	10:03	3.5	Surface	1.0	1	28.2	8.0	21.7	6.2	89.4	0.4	2.4	5.0	9.2	2.0		
							2	28.2	8.0	21.7	6.2	89.3	0.4	2.3					
					Middle	2.5	1	27.5	8.0	24.0	5.3	77.2	2.4	2.6					
					Bottom	2.5	1	27.4	8.0	24.2	5.3	77.0	2.5	2.8					
		2	27.2	8.0	25.5	5.0	72.2	3.5	3.1										
TCE-WQM4	Sunny	Moderate	10:13	3.1	Surface	1.0	1	27.2	8.0	25.5	5.0	72.2	3.5	3.4	6.2	3.9	3.3		
							2	27.2	8.0	25.5	5.0	72.2	3.5	3.4					
					Middle	1.0	1	28.2	8.0	22.0	6.2	89.5	9.1	1.8					
					Bottom	2.1	1	28.2	8.0	22.0	6.2	89.3	9.1	1.9					
		2	28.2	8.0	22.1	6.0	87.6	9.6	2.3										
		2	28.1	8.1	22.2	6.3	90.5	2.4	3.3										
		1	28.1	8.0	22.2	6.2	89.8	5.3	3.7										
		2	28.1	8.0	22.2	6.2	89.7	5.5	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)								
2022-08-19	Mid-Ebb	TCE-C1	Rainy	Moderate	16:12	6.6	Surface	1.0	1	28.5	8.6	17.8	9.8	139.5	1.0	3.9	9.5	1.4	4.7								
									2	28.5	8.6	17.9	9.6	139.1	1.0	4.1											
							Middle	3.3	1	28.5	8.4	21.0	9.3	136.8	1.4	4.4											
							Bottom	5.6	1	28.5	8.4	21.0	9.4	136.1	1.5	4.7											
				2	28.5	8.4	22.5	9.3	136.1	1.9	5.3																
				2	28.5	8.4	22.5	9.2	136.0	1.8	5.6																
		TCE-C2	Rainy	Moderate	18:14	12.2	Surface	1.0	1	27.1	8.4	24.8	6.0	86.5	1.1	4.8	5.8	1.6	4.0								
									2	27.0	8.4	24.9	5.9	86.1	1.0	4.5											
							Middle	6.1	1	26.3	8.2	28.3	5.6	80.9	1.2	3.9											
							Bottom	11.2	1	26.2	8.2	28.4	5.6	80.6	1.1	4.2											
				2	26.3	8.2	28.3	5.8	84.6	2.6	3.3																
				2	26.3	8.2	28.2	5.8	84.5	2.5	3.0																
	TCE-WQM1	Rainy	Moderate	17:08	7.8	Surface	1.0	1	28.4	8.5	22.9	8.3	123.6	1.0	5.5	8.3	1.6	4.9									
								2	28.3	8.5	23.0	8.3	123.6	1.0	5.2												
						Middle	3.9	1	28.1	8.4	23.3	8.2	121.2	1.4	4.8												
						Bottom	6.8	1	28.2	8.4	23.2	8.3	121.1	1.4	5.0												
			2	28.2	8.3	23.1	8.4	123.1	2.4	4.4																	
			2	28.3	8.3	23.1	8.6	124.9	2.4	4.6																	
	TCE-WQM2a	Rainy	Moderate	17:38	6.2	Surface	1.0	1	28.1	8.6	23.1	11.2	164.2	1.0	3.7	10.2	1.5	4.5									
								2	28.1	8.6	23.1	11.2	164.2	1.0	4.0												
						Middle	3.1	1	28.0	8.4	23.2	9.3	134.9	1.2	4.4												
						Bottom	5.2	1	28.0	8.4	23.2	9.3	134.6	1.2	4.6												
			2	28.0	8.4	23.2	9.2	133.9	2.2	5.3																	
			2	28.0	8.4	23.2	9.2	133.5	2.3	4.9																	
TCE-WQM2b	Rainy	Moderate	17:48	8.0	Surface	1.0	1	28.0	8.6	23.1	7.8	114.5	2.6	5.0	7.6	3.3	4.5										
							2	27.9	8.6	23.1	7.7	114.2	2.6	5.3													
					Middle	4.0	1	27.5	8.5	23.8	7.5	110.2	3.3	4.4													
					Bottom	7.0	1	27.4	8.5	23.8	7.5	110.1	3.2	4.7													
		2	27.2	8.2	26.0	7.4	108.4	4.1	3.9																		
		2	27.3	8.3	25.8	7.3	108.4	4.1	3.6																		
TCE-WQM3A	Rainy	Moderate	17:29	4.4	Surface	1.0	1	28.4	8.6	22.5	8.9	130.0	1.6	5.1	8.9	1.8	4.7										
							2	28.4	8.6	22.7	8.9	130.2	1.5	5.5													
					Bottom	3.4	1	28.1	8.4	23.3	8.6	127.4	2.0	4.2													
		2	28.1	8.4	23.1	8.8	127.6	2.0	4.1																		
TCE-WQM4	Rainy	Moderate	17:18	4.2	Surface	1.0	1	28.2	8.5	23.2	8.7	128.5	2.8	4.0	8.7	3.0	4.6										
							2	28.2	8.4	23.2	8.8	128.4	2.8	4.3													
					Bottom	3.2	1	28.0	8.4	23.5	8.5	123.2	3.1	4.8													
		2	28.0	8.4	23.5	8.4	122.0	3.2	5.2																		
2022-08-19	Mid-Flood	TCE-C1	Rainy	Moderate	12:45	7.2	Surface	1.0	1	28.4	8.5	20.4	8.4	122.4	4.1	3.3	8.3	5.3	4.1								
									2	28.4	8.5	20.1	8.4	122.3	4.1	3.6											
							Middle	3.6	1	28.2	8.5	21.8	8.3	120.5	5.1	4.3											
							Bottom	6.2	1	28.1	8.4	22.0	8.2	120.1	5.1	4.0											
									2	28.0	8.4	25.2	7.9	116.3	6.5	4.4											
									2	28.1	8.2	26.3	7.8	116.3	6.6	4.9											
							TCE-C2	Rainy	Moderate	11:07	12.2	Surface	1.0	1	28.0	8.3				22.9	8.7	126.7	1.3	3.2	8.2	1.9	4.2
														2	28.0	8.3				23.0	8.7	126.3	1.3	2.9			
		Middle	6.1	1	27.7	8.2						24.0	7.7	111.9	1.4	4.2											
		Bottom	11.2	1	27.7	8.2						24.1	7.7	111.3	1.4	4.5											
				2	27.5	8.2	24.6	7.3	105.9	2.8	5.0																
				2	27.5	8.2	24.6	7.3	106.1	2.9	5.3																
		TCE-WQM1	Rainy	Moderate	12:13	6.0	Surface	1.0	1	28.6	8.4	22.3	10.1	148.2	1.1	4.4	9.6	1.4	4.0								
									2	28.6	8.4	22.3	9.9	144.5	1.0	4.6											
							Middle	3.0	1	28.6	8.4	22.4	9.1	132.9	1.1	4.1											
							Bottom	5.0	1	28.6	8.4	22.4	9.1	132.8	1.2	3.8											
				2	28.6	8.4	22.4	9.2	134.2	2.2	3.3																
				2	28.6	8.4	22.3	9.2	135.0	2.1	3.5																
		TCE-WQM2a	Rainy	Moderate	11:45	7.0	Surface	1.0	1	28.0	8.3	23.7	8.7	126.7	1.0	3.4	8.1	1.4	4.0								
									2	28.0	8.3	23.7	8.7	126.7	1.0	3.4											
							Middle	3.5	1	27.8	8.2	24.2	7.6	110.8	1.1	3.7											
							Bottom	6.0	1	27.8	8.2	24.2	7.6	110.3	1.1	4.1											
				2	27.6	8.2	24.6	7.1	103.0	2.0	4.8																
				2	27.7	8.2	24.5	7.2	104.4	2.0	4.5																
TCE-WQM2b	Rainy	Moderate	11:35	9.0	Surface	1.0	1	28.4	8.4	21.8	9.4	136.8	1.0	2.9	9.2	1.3	3.7										
							2	28.4	8.4	21.7	9.5	137.3	1.0	3.3													
					Middle	4.5	1	28.3	8.4	22.1	9.0	131.2	1.1	3.8													
					Bottom	8.0	1	28.3	8.4	22.1	9.0	131.0	1.2	3.6													
		2	28.3	8.4	22.1	8.5	123.3	1.7	4.1																		
		2	28.3	8.4	22.1	8.4	122.4	1.7	4.4																		
TCE-WQM3A	Rainy	Moderate	11:53	4.6	Surface	1.0	1	28.0	8.3	23.2	8.4	121.5	2.3	5.0	8.2	2.8	4.2										
							2	28.0	8.3	23.3	8.1	117.4	2.7	4.5													
					Bottom	3.6	1	27.8	8.2	23.9	7.4	107.4	3.2	3.5													
		2	27.8	8.2	23.9	7.4	108.2	3.1	3.8																		
TCE-WQM4	Rainy	Moderate	12:01	5.0	Surface	1.0	1	28.2	8.3	23.3	7.6	111.5	2.3	4.4	7.6	2.7	4.3										
							2	28.1	8.3	23.5	7.6	111.2	2.2	4.5													
					Bottom	4.0	1	28.0	8.3	23.8	7.5	109.1	3.1	4.1													
		2	28.0	8.3	23.8	7.4	108.3	3.1	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)
2022-08-22	Mid-Ebb	TCE-C1	Sunny	Rough	10:52	8.6	Surface	1.0	1	29.2	8.9	13.5	14.2	200.1	2.8	4.3	13.8	5.3	4.8
									2	29.2	8.9	13.4	14.3	200.4	2.8	4.0			
							Middle	4.3	1	28.9	8.9	14.5	13.4	188.4	3.4	4.6			
							Bottom	7.6	1	27.6	8.2	25.5	5.4	78.2	9.6	5.3			
				2	27.6	8.2	25.6	5.4	78.3	9.6	5.8								
				1	28.6	8.7	18.1	12.0	171.0	1.9	3.7								
				2	28.6	8.7	18.1	12.0	171.0	1.9	3.4								
				1	28.2	8.5	20.9	9.4	135.6	2.1	4.4								
				2	28.2	8.5	20.8	9.5	135.8	2.1	4.2								
				1	28.0	8.5	23.1	8.3	120.5	1.9	4.9								
				2	28.0	8.5	23.1	8.3	120.2	1.9	5.1								
				1	28.8	8.5	21.5	7.4	108.5	1.3	3.6								
				2	28.8	8.5	21.5	7.4	108.6	1.3	3.7								
				1	28.4	8.1	23.2	4.2	61.0	1.9	3.4								
				2	28.4	8.1	23.2	4.2	60.9	1.9	3.2								
				1	28.0	8.0	24.1	2.9	41.8	3.6	2.8								
				2	28.0	8.0	24.1	2.9	41.9	3.7	3.0								
				1	28.8	8.6	20.5	10.7	154.9	2.5	3.0								
				2	28.8	8.6	20.5	10.7	154.9	2.5	3.4								
				1	28.8	8.6	21.3	9.4	136.7	3.3	3.9								
				2	28.8	8.6	21.3	9.4	136.8	3.3	3.6								
				1	28.7	8.5	22.2	8.1	118.5	3.8	4.4								
				2	28.7	8.5	22.2	8.1	118.6	3.8	4.1								
				1	29.8	8.9	13.8	14.1	200.4	1.2	4.2								
			2	29.8	8.9	13.8	14.1	200.4	1.2	3.9									
			1	28.8	8.6	17.5	10.7	152.2	2.3	3.7									
			2	28.8	8.6	17.5	10.7	152.0	2.3	3.6									
			1	27.7	8.4	21.1	7.8	111.3	4.4	3.1									
			2	27.7	8.4	21.1	7.8	111.3	4.4	3.3									
			1	28.8	8.7	19.8	12.0	172.7	1.9	4.5									
			2	28.8	8.7	19.8	12.0	172.7	1.9	4.2									
			1	28.7	8.6	20.1	11.1	161.0	2.2	6.0									
			2	28.7	8.6	20.2	11.0	158.8	2.3	5.7									
			1	28.9	8.5	21.7	8.0	117.4	3.8	2.4									
			2	28.9	8.5	21.7	8.0	117.3	3.8	2.7									
			1	28.8	8.4	22.4	7.0	102.2	5.9	3.8									
			2	28.9	8.4	22.4	7.0	102.2	6.0	3.6									
			1	27.8	8.4	22.0	8.0	116.4	4.4	3.7									
			2	27.7	8.4	22.3	8.0	116.4	4.5	3.9									
			1	27.5	8.2	23.8	7.3	107.9	8.2	4.5									
			2	27.5	8.2	26.2	7.3	107.9	8.3	4.1									
			1	27.8	8.5	16.1	5.8	81.2	4.2	4.9									
			2	27.8	8.5	16.5	5.8	81.2	4.3	5.2									
			1	28.2	8.4	21.7	8.1	117.5	2.7	7.5									
			2	28.2	8.4	21.7	8.1	117.5	2.7	7.0									
			1	27.9	8.4	23.4	7.4	107.2	3.1	6.8									
			2	27.9	8.4	23.4	7.4	107.3	3.1	6.6									
			1	27.6	8.3	24.6	6.6	95.9	3.9	6.2									
		2	27.6	8.3	24.7	6.6	95.8	3.9	6.1										
		1	28.9	8.3	22.7	7.9	115.5	3.8	2.7										
		2	28.9	8.3	22.7	7.9	115.6	3.9	2.9										
		1	28.8	8.3	23.1	5.8	84.6	6.0	2.4										
		2	28.8	8.3	23.0	5.7	84.4	6.0	2.5										
		1	28.4	8.2	23.6	4.6	67.0	7.1	1.7										
		2	28.4	8.2	23.6	4.6	67.2	7.1	1.9										
		1	28.8	8.6	21.0	9.6	139.7	2.4	4.0										
		2	28.8	8.6	21.0	9.6	139.7	2.4	3.8										
		1	28.1	8.4	22.0	7.6	109.5	3.5	3.7										
		2	28.1	8.4	21.9	7.6	109.6	3.5	3.4										
		1	28.1	8.3	24.2	6.9	100.8	4.5	2.8										
		2	28.1	8.3	24.2	6.9	100.8	4.5	3.1										
		1	28.3	8.5	20.4	9.2	132.5	3.7	3.9										
		2	28.4	8.5	20.5	9.2	132.4	3.7	4.1										
		1	28.0	8.4	21.6	7.8	112.6	4.6	4.4										
		2	28.0	8.4	21.6	7.8	112.8	4.6	4.6										
		1	27.7	8.3	23.4	6.5	94.3	4.4	5.0										
		2	27.7	8.3	23.4	6.5	94.3	4.4	5.3										
		1	29.5	8.6	21.4	8.9	130.9	2.0	3.0										
		2	29.5	8.6	21.3	8.9	131.0	2.1	3.0										
		1	29.2	8.5	21.9	8.3	121.8	6.6	4.5										
		2	29.2	8.5	21.9	8.3	121.8	6.6	4.4										
		1	29.7	8.4	21.1	8.8	130.0	4.9	2.5										
		2	29.7	8.4	21.1	8.8	129.9	5.0	2.8										
		1	29.1	8.5	22.2	7.7	113.7	8.8	3.5										
		2	29.1	8.5	22.2	7.7	113.7	8.8	3.2										
2022-08-22	Mid-Flood	TCE-C1	Fine	Rough	21:15	7.9	Surface	1.0	1	27.8	8.4	22.0	8.0	116.4	4.4	3.7	7.7	5.6	4.4
									2	27.7	8.4	22.3	8.0	116.4	4.5	3.9			
							Middle	4.0	1	27.5	8.2	23.8	7.3	107.9	8.2	4.5			
									2	27.5	8.2	26.2	7.3	107.9	8.3	4.1			
							Bottom	6.9	1	27.8	8.5	16.1	5.8	81.2	4.2	4.9			
									2	27.8	8.5	16.5	5.8	81.2	4.3	5.2			
									1	28.2	8.4	21.7	8.1	117.5	2.7	7.5			
									2	28.2	8.4	21.7	8.1	117.5	2.7	7.0			
									1	27.9	8.4	23.4	7.4	107.2	3.1	6.8			
									2	27.9	8.4	23.4	7.4	107.3	3.1	6.6			
									1	27.6	8.3	24.6	6.6	95.9	3.9	6.2			
									2	27.6	8.3	24.7	6.6	95.8	3.9	6.1			
				1	28.9	8.3	22.7	7.9	115.5	3.8	2.7								
				2	28.9	8.3	22.7	7.9	115.6	3.9	2.9								
				1	28.8	8.3	23.1	5.8	84.6	6.0	2.4								
				2	28.8	8.3	23.0	5.7	84.4	6.0	2.5								
				1	28.4	8.2	23.6	4.6	67.0	7.1	1.7								
				2	28.4	8.2	23.6	4.6	67.2	7.1	1.9								
				1	28.8	8.6	21.0	9.6	139.7	2.4	4.0								
				2	28.8	8.6	21.0	9.6	139.7	2.4	3.8								
				1	28.1	8.4	22.0	7.6	109.5	3.5	3.7								
				2	28.1	8.4	21.9	7.6	109.6	3.5	3.4								
				1	28.1	8.3	24.2	6.9	100.8	4.5	2.8								
				2	28.1	8.3	24.2	6.9	100.8	4.5	3.1								
				1	28.3	8.5	20.4	9.2	132.5	3.7	3.9								
				2	28.4	8.5	20.5	9.2	132.4	3.7	4.1								
				1	28.0	8.4	21.6	7.8	112.6	4.6	4.4								
				2	28.0	8.4	21.6	7.8	112.8	4.6	4.6								
				1	27.7	8.3	23.4	6.5	94.3	4.4	5.0								
				2	27.7	8.3	23.4	6.5	94.3	4.4	5.3								
				1	29.5	8.6	21.4	8.9	130.9	2.0	3.0								
				2	29.5	8.6	21.3	8.9	131.0	2.1	3.0								
				1	29.2	8.5	21.9	8.3	121.8	6.6	4.5								
				2	29.2	8.5	21.9	8.3	121.8	6.6	4.4								
				1	29.7	8.4	21.1	8.8	130.0	4.9	2.5								
				2	29.7	8.4	21.1	8.8	129.9	5.0	2.8								
				1	29.1	8.5	22.2	7.7	113.7	8.8	3.5								
				2	29.1	8.5	22.2	7.7	113.7	8.8	3.2								
				1	28.9	8.5	21.5	7.4	108.5	1.3	3.6								
				2	28.9	8.5	21.5	7.4	108.6	1.3	3.7								
				1	28.4	8.1	23.2	4.2	61.0	1.9	3.4								
				2	28.4	8.1	23.2	4.2	60.9	1.9	3.2								
				1	28.0	8.0	24.1	2.9	41.8	3.6	2.8								
				2	28.0	8.0	24.1	2.9	41.9	3.7	3.0								
				1	28.8	8.6	20.5	10.7	154.9	2.5	3.0								
				2	28.8	8.6	20.5	10.7	154.9	2.5	3.4								
				1	28.8	8.6	21.3	9.4	136.7	3.3	3.9								
				2	28.8	8.6	21.3	9.4	136.8	3.3	3.6								
		1	28.7	8.5	22.2	8.1	118.5	3.8	4.4										
		2	28.7	8.5	22.2	8.1	118.6	3.8	4.1										
		1	29.8	8.9	13.8	14.1	200.4	1.2	4.2										
		2	29.8	8.9	13.8	14.1	200.4	1.2	3.9										
		1	28.8	8.6	17.5	10.7	152.2	2.3	3.7										
		2	28.8	8.6	17.5	10.7	152.0	2.3											

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
2022-08-24	Mid-Ebb	TCE-C1	Cloudy	Moderate	11:59	8.2	Surface	1.0	1	29.7	8.6	18.0	8.1	117.8	3.8	2.3	5.9	8.0	2.8			
									2	29.7	8.6	18.1	7.9	115.2	4.6	2.1						
							Middle	4.1	1	27.4	8.1	28.4	3.7	55.1	8.7	2.5						
									2	27.4	8.1	28.4	3.8	55.5	8.6	2.8						
							Bottom	7.2	1	27.2	8.1	28.5	3.9	57.0	11.3	3.7						
									2	27.2	8.1	28.5	3.9	57.4	11.1	3.4						
		TCE-C2	Cloudy	Moderate	10:12	14.1	Surface	1.0	1	29.2	8.6	19.0	9.2	133.6	0.7	1.9	8.0	2.4	2.2			
									2	29.2	8.6	19.0	9.2	133.1	0.7	1.8						
							Middle	7.1	1	27.7	8.4	23.7	6.9	99.5	1.9	2.2						
									2	27.7	8.4	23.7	6.8	98.7	2.2	2.2						
							Bottom	13.1	1	25.3	8.2	29.4	4.0	57.6	4.4	2.4						
									2	25.3	8.2	29.4	4.0	57.5	4.6	2.5						
		TCE-WQM1	Cloudy	Moderate	11:24	8.0	Surface	1.0	1	30.2	8.7	18.0	8.7	127.7	0.8	3.1	6.6	5.1	2.3			
									2	30.2	8.7	18.0	8.7	127.3	0.9	2.9						
							Middle	4.0	1	27.9	8.2	24.9	4.4	64.4	5.8	2.1						
									2	27.9	8.2	24.9	4.4	64.7	6.0	2.3						
							Bottom	7.0	1	27.5	8.1	27.2	3.8	55.8	8.5	1.6						
									2	27.5	8.1	27.2	3.8	56.2	8.7	1.8						
		TCE-WQM2a	Cloudy	Moderate	10:52	6.8	Surface	1.0	1	29.3	8.5	19.8	8.1	117.6	2.1	2.5	7.2	6.1	3.4			
									2	29.3	8.5	19.8	8.1	117.6	2.1	2.8						
							Middle	3.4	1	28.5	8.4	22.3	6.4	93.4	3.4	3.2						
									2	28.5	8.3	22.4	6.2	89.9	3.4	3.5						
							Bottom	5.8	1	27.0	8.2	26.2	5.1	73.8	12.7	4.2						
									2	27.0	8.2	26.1	5.1	73.7	12.7	4.0						
		TCE-WQM2b	Cloudy	Moderate	10:40	10.2	Surface	1.0	1	29.3	8.6	19.0	9.1	133.3	0.5	3.3	7.7	3.9	2.9			
									2	29.2	8.6	19.0	9.2	133.1	0.5	3.0						
							Middle	5.1	1	28.0	8.3	22.7	6.3	91.7	3.1	2.9						
									2	28.0	8.3	22.7	6.3	91.5	3.4	2.9						
							Bottom	9.2	1	27.6	8.3	23.8	5.3	77.0	7.7	2.8						
									2	27.5	8.3	24.0	5.0	72.5	8.2	2.7						
		TCE-WQM3A	Cloudy	Moderate	11:02	3.7	Surface	1.0	1	29.2	8.4	19.7	6.3	92.2	4.0	4.7	6.4	5.4	5.0			
									2	29.2	8.4	19.7	6.4	92.7	4.1	4.3						
							Bottom	2.7	1	28.2	8.1	22.8	4.1	59.0	6.8	5.6						
									2	28.1	8.1	22.8	3.8	54.8	6.8	5.3						
							Surface	1.0	1	30.1	8.6	18.2	8.7	126.6	2.5	3.6				8.6	4.7	3.9
									2	30.0	8.6	18.2	8.6	126.1	2.9	3.9						
Bottom	2.6	1	29.4	8.4	20.3	6.8	99.5	6.7	4.1													
		2	29.4	8.4	20.4	6.8	99.1	6.8	4.1													

Remarks: WQM during mid-flood tide was cancelled due to Strong Wind Signal No.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)			
2022-08-26	Mid-Ebb	TCE-C1	Fine	Moderate	12:54	7.0	Surface	1.0	1	27.4	8.2	24.9	5.8	83.6	5.5	3.8	5.6	6.2	4.8			
									2	27.3	8.2	25.0	5.7	83.2	5.5	4.1						
							Middle	3.5	1	27.3	8.2	25.2	5.4	79.0	6.2	4.7						
							Bottom	6.0	1	27.6	8.2	25.5	5.4	79.6	7.0	6.0						
				2	27.7	8.2	25.5	5.5	80.6	7.0	5.7											
		TCE-C2	Fine	Moderate	11:04	12.0	Surface	1.0	1	26.4	8.1	26.6	8.1	26.6	5.0	71.4	2.3	5.7	4.7	3.5	6.8	
									2	26.4	8.1	26.8	4.9	70.8	2.2	6.0						
							Middle	6.0	1	25.9	8.1	28.0	4.5	65.3	3.6	6.5						
							Bottom	11.0	1	25.8	8.1	28.1	4.5	65.2	3.7	6.9						
				2	25.8	8.1	28.4	4.3	61.3	4.8	7.6											
		TCE-WQM1	Fine	Moderate	12:17	6.0	Surface	1.0	1	27.3	8.1	24.4	8.1	24.4	5.5	79.0	4.2	5.8	5.5	5.2	5.3	
									2	27.2	8.1	24.4	5.5	79.1	4.1	6.1						
							Middle	3.0	1	27.4	8.1	24.6	5.5	80.4	5.2	5.3						
							Bottom	5.0	1	27.5	8.1	24.6	5.6	80.8	5.2	5.1						
				2	27.6	8.1	24.6	5.7	83.5	6.1	4.8											
		TCE-WQM2a	Fine	Moderate	11:45	7.4	Surface	1.0	1	26.8	8.1	26.1	8.1	26.1	4.9	70.5	2.3	7.1	4.9	3.4	5.6	
									2	26.8	8.1	26.1	4.9	70.5	2.3	7.4						
							Middle	3.7	1	26.8	8.1	26.2	4.8	70.1	3.4	5.7						
							Bottom	6.4	1	26.8	8.1	26.3	4.8	69.9	3.5	5.3						
				2	27.0	8.1	26.3	4.8	70.0	4.5	4.2											
		TCE-WQM2b	Fine	Moderate	11:33	9.0	Surface	1.0	1	27.1	8.1	24.9	8.1	24.9	5.6	80.5	3.0	3.6	5.4	4.2	4.1	
									2	27.0	8.1	25.0	5.6	80.5	3.1	3.4						
							Middle	4.5	1	27.0	8.1	25.8	5.2	75.8	4.1	4.0						
							Bottom	8.0	1	27.0	8.1	25.8	5.2	76.1	4.2	4.3						
			2	27.3	8.1	25.7	5.4	79.0	5.4	4.5												
	TCE-WQM3A	Fine	Moderate	11:56	4.6	Surface	1.0	1	27.2	8.1	24.0	8.1	24.0	5.0	72.0	4.0	8.6	5.0	4.7	8.8		
								2	27.2	8.1	24.1	5.0	71.9	4.1	8.2							
						Bottom	3.6	1	27.3	8.1	24.7	5.5	79.5	5.4	9.4							
								2	27.3	8.1	24.7	5.5	80.8	5.5	9.0							
	TCE-WQM4	Fine	Moderate	12:06	4.8	Surface	1.0	1	27.4	8.1	24.2	8.1	24.2	5.5	79.0	4.2	4.1	5.4	4.7	4.5		
								2	27.5	8.1	24.2	5.4	78.6	4.2	4.3							
						Bottom	3.8	1	27.6	8.1	24.3	5.5	80.2	5.2	4.7							
								2	27.6	8.1	24.2	5.7	82.6	5.2	4.9							
	2022-08-26	Mid-Flood	TCE-C1	Fine	Moderate	17:59	9.0	Surface	1.0	1	27.3	8.2	25.1	5.6	81.6	3.0	3.3	5.3	4.2	4.6		
										2	27.3	8.2	25.3	5.6	81.1	3.0	3.6					
								Middle	4.5	1	27.3	8.2	25.5	5.1	73.9	4.7	4.0					
								Bottom	8.0	1	27.4	8.2	25.6	5.1	73.7	4.7	4.4					
					2	27.6	8.2	25.8	5.2	75.8	5.0	6.4										
			TCE-C2	Fine	Moderate	19:59	10.6	Surface	1.0	1	27.4	8.1	24.2	8.1	24.2	5.2	75.6	4.0	2.8	5.2	5.4	3.2
										2	27.3	8.1	24.3	5.2	75.4	4.1	2.5					
								Middle	5.3	1	27.3	8.1	24.5	5.3	75.9	5.7	3.1					
								Bottom	9.6	1	27.3	8.1	24.5	5.3	76.2	5.6	3.2					
					2	27.3	8.1	24.5	5.4	78.0	6.6	3.7										
			TCE-WQM1	Fine	Moderate	18:57	7.2	Surface	1.0	1	27.3	8.2	24.6	8.1	24.6	5.6	80.5	4.0	6.8	5.4	5.4	5.3
										2	27.3	8.2	24.7	5.5	79.1	4.1	6.3					
								Middle	3.6	1	27.2	8.2	25.0	5.2	75.5	5.7	5.8					
								Bottom	6.2	1	27.2	8.2	25.0	5.2	75.7	5.6	5.5					
					2	27.1	8.3	25.2	5.4	77.9	6.4	4.0										
TCE-WQM2a			Fine	Moderate	19:26	6.2	Surface	1.0	1	27.6	8.2	24.0	8.1	24.0	5.6	80.6	4.9	3.6	5.6	5.5	3.0	
									2	27.6	8.2	24.0	5.6	80.6	4.9	3.3						
							Middle	3.1	1	27.5	8.2	24.3	5.6	81.2	5.2	3.1						
							Bottom	5.2	1	27.5	8.2	24.4	5.6	81.5	5.3	2.9						
				2	27.2	8.1	25.0	5.9	84.8	6.4	2.6											
TCE-WQM2b			Fine	Moderate	19:38	8.0	Surface	1.0	1	27.2	8.1	24.8	8.1	24.8	6.0	86.1	6.3	2.7	5.9	6.1	5.8	
									2	27.2	8.1	24.8	6.0	86.4	7.2	5.3						
							Middle	4.0	1	27.4	8.1	23.6	5.7	81.6	6.1	5.5						
							Bottom	7.0	1	27.4	8.1	23.6	5.9	84.8	7.1	5.0						
			2	27.4	8.1	23.6	6.0	86.4	7.2	5.3												
TCE-WQM3A		Fine	Moderate	19:17	4.2	Surface	1.0	1	27.2	8.1	22.9	8.1	22.9	4.6	66.2	4.0	7.2	4.6	4.8	4.8		
								2	27.2	8.1	23.0	4.6	66.3	4.0	6.9							
						Bottom	3.2	1	27.1	8.1	25.4	5.4	77.5	5.5	2.7							
								2	27.1	8.1	25.1	5.6	80.9	5.6	2.3							
TCE-WQM4		Fine	Moderate	19:07	4.2	Surface	1.0	1	27.5	8.2	24.5	8.1	24.5	5.3	76.9	6.1	4.6	5.3	6.8	3.9		
								2	27.5	8.2	24.5	5.3	76.7	6.0	4.3							
						Bottom	3.2	1	27.4	8.2	24.7	5.2	74.9	7.6	3.5							
								2	27.4	8.2	24.7	5.2	76.0	7.7	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)
2022-08-29	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:43	7.9	Surface	1.0	1	28.7	8.2	23.2	5.1	75.3	8.1	8.0	5.1	9.5	8.6
									2	28.7	8.2	23.3	5.1	75.1	8.3	7.7			
							Middle	4.0	1	28.4	8.2	24.0	5.0	73.8	9.0	8.3			
							Bottom	6.9	1	28.2	8.2	24.6	5.0	73.5	11.2	9.7			
				2	28.2	8.2	24.6	5.0	73.6	11.1	9.4								
		TCE-C2	Cloudy	Moderate	14:36	13.7	Surface	1.0	1	28.5	8.1	22.9	5.1	74.2	4.9	5.5	5.0	8.8	6.0
				2	28.5	8.1	22.9	5.1	73.9	5.1	5.2								
		Middle	6.9	1	28.4	8.1	23.1	5.0	72.4	6.7	5.8								
		Bottom	12.7	1	27.0	8.1	27.1	4.2	61.0	14.7	6.6								
				2	27.0	8.1	27.1	4.2	61.0	14.8	6.6								
		TCE-WQM1	Cloudy	Calm	13:25	8.6	Surface	1.0	1	28.6	8.2	23.5	4.9	72.5	9.0	8.0	4.9	10.9	9.2
				2	28.5	8.2	23.6	4.9	72.1	9.0	8.2								
	Middle	4.3	1	28.3	8.2	24.1	4.8	71.1	11.4	9.6									
	Bottom	7.6	1	28.2	8.2	24.4	4.8	70.7	12.4	9.9									
			2	28.2	8.2	24.4	4.8	70.7	12.2	10.2									
	TCE-WQM2a	Cloudy	Moderate	14:01	8.8	Surface	1.0	1	28.4	8.1	23.4	5.0	72.9	5.1	6.3	4.9	5.6	7.0	
			2	28.4	8.1	23.4	5.0	72.9	5.1	5.9									
	Middle	4.4	1	28.1	8.1	23.7	4.8	69.7	5.4	7.2									
	Bottom	7.8	1	28.0	8.1	24.0	4.8	69.6	5.6	7.9									
			2	28.0	8.1	24.0	4.8	69.6	6.8	7.7									
	TCE-WQM2b	Cloudy	Moderate	14:14	12.9	Surface	1.0	1	28.4	8.1	23.1	5.2	75.7	3.0	4.2	5.0	6.5	5.5	
			2	28.4	8.1	23.1	5.2	75.3	3.0	4.7									
	Middle	6.5	1	28.1	8.1	23.6	4.9	71.7	7.3	5.3									
	Bottom	11.9	1	28.1	8.1	23.8	4.9	71.2	9.3	6.7									
		2	28.1	8.1	23.8	4.9	71.3	9.2	6.3										
TCE-WQM3A	Cloudy	Calm	13:49	4.3	Surface	1.0	1	28.7	8.1	21.9	5.2	76.4	6.7	9.4	5.2	8.8	9.1		
		2	28.7	8.1	21.9	5.2	76.4	6.7	9.2										
Bottom	3.3	1	28.5	8.1	22.6	5.2	75.9	10.9	8.6										
		2	28.4	8.1	22.6	5.3	76.8	11.0	9.0										
TCE-WQM4	Cloudy	Calm	13:39	4.4	Surface	1.0	1	28.8	8.1	22.4	5.2	75.5	8.0	8.3	5.2	8.1	9.7		
		2	28.7	8.1	22.4	5.2	75.7	7.9	8.5										
Bottom	3.4	1	28.5	8.1	22.5	4.9	72.1	8.1	10.9										
		2	28.5	8.1	22.5	5.0	72.3	8.3	11.2										
2022-08-29	Mid-Flood	TCE-C1	Cloudy	Moderate	9:17	8.6	Surface	1.0	1	28.1	8.2	24.2	5.1	74.1	8.4	9.0	5.1	10.4	10.6
									2	28.1	8.2	24.2	5.1	74.2	8.2	8.6			
							Middle	4.3	1	28.1	8.2	24.3	5.1	74.5	9.7	10.6			
							Bottom	7.6	1	28.1	8.2	24.5	5.1	75.4	13.3	12.5			
				2	28.1	8.2	24.5	5.2	75.5	13.3	12.8								
		TCE-C2	Cloudy	Moderate	7:15	14.7	Surface	1.0	1	27.2	8.1	24.6	4.7	68.2	4.0	5.0	4.4	8.0	4.6
				2	27.0	8.1	24.7	4.7	67.6	4.1	5.4								
		Middle	7.4	1	26.5	8.1	28.5	4.2	61.0	5.9	4.4								
		Bottom	13.7	1	26.4	8.1	28.9	4.2	60.5	14.2	3.8								
				2	26.3	8.1	28.9	4.2	60.7	14.1	4.1								
		TCE-WQM1	Cloudy	Calm	8:26	8.8	Surface	1.0	1	28.7	8.1	22.1	5.0	73.6	9.5	11.0	5.1	10.7	12.6
				2	28.7	8.1	22.1	5.0	73.6	9.6	11.4								
	Middle	4.4	1	28.7	8.1	22.1	5.1	73.8	10.4	12.2									
	Bottom	7.8	1	28.7	8.1	22.1	5.1	73.8	10.7	12.7									
			2	28.7	8.1	22.1	5.1	74.2	12.2	13.9									
	TCE-WQM2a	Cloudy	Moderate	7:52	9.2	Surface	1.0	1	28.2	8.1	22.8	4.8	70.2	4.2	3.3	4.7	7.6	4.4	
			2	28.2	8.1	22.8	4.8	70.2	4.2	3.2									
	Middle	4.6	1	27.8	8.1	24.1	4.6	66.5	5.8	4.8									
	Bottom	8.2	1	27.8	8.1	24.1	4.6	66.7	5.9	4.4									
			2	27.8	8.1	24.2	4.6	67.5	12.8	5.2									
	TCE-WQM2b	Cloudy	Moderate	7:40	13.4	Surface	1.0	1	28.1	8.1	23.1	4.9	70.6	5.3	2.8	4.7	9.4	3.8	
			2	28.0	8.1	23.3	4.8	69.9	5.3	3.2									
	Middle	6.7	1	27.7	8.1	24.4	4.6	67.3	9.7	4.0									
	Bottom	12.4	1	27.7	8.1	24.4	4.6	67.1	9.5	3.6									
		2	27.0	8.1	27.1	4.4	64.4	13.2	4.7										
TCE-WQM3A	Cloudy	Calm	8:02	4.4	Surface	1.0	1	28.4	8.1	22.1	5.1	74.7	4.4	4.4	5.1	7.0	4.9		
		2	28.4	8.1	22.1	5.1	74.6	4.3	4.7										
Bottom	3.4	1	28.3	8.1	22.3	5.1	73.7	9.6	5.4										
		2	28.3	8.1	22.3	5.1	73.9	9.7	5.0										
TCE-WQM4	Cloudy	Calm	8:13	4.7	Surface	1.0	1	28.4	8.1	22.5	5.1	73.8	5.1	5.6	5.1	6.1	5.3		
		2	28.4	8.1	22.5	5.1	73.8	5.1	6.0										
Bottom	3.7	1	28.4	8.1	22.6	5.0	73.2	7.2	4.7										
		2	28.4	8.1	22.6	5.0	73.3	7.0	4.9										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2022-08-31	Mid-Ebb	TCE-C1	Misty	Moderate	13:49	8.0	Surface	1.0	1	27.9	8.2	22.6	4.9	71.4	6.0	4.1	4.9	7.2	5.0
									2	27.8	8.2	22.6	4.9	71.2	6.0	4.3			
							Middle	4.0	1	27.7	8.2	28.4	4.8	71.6	7.3	4.8			
							Bottom	7.0	1	27.8	8.2	28.4	4.8	71.9	7.3	5.1			
				2	27.8	8.2	28.3	5.0	74.1	8.1	6.0								
				2	27.8	8.2	28.2	5.0	75.0	8.1	5.6								
		TCE-C2	Misty	Moderate	15:31	9.8	Surface	1.0	1	28.1	8.1	24.9	5.2	76.5	2.8	2.5	5.3	3.5	3.7
				2	28.0	8.1	25.0	5.2	76.6	2.7	2.9								
		Middle	4.9	1	27.9	8.1	25.4	5.3	77.5	3.7	3.9								
		Bottom	8.8	1	27.8	8.1	25.6	5.3	78.3	3.7	3.5								
				2	27.8	8.1	25.9	5.6	81.6	4.0	4.8								
				2	27.8	8.1	25.9	5.8	85.0	4.1	4.5								
	TCE-WQM1	Misty	Moderate	14:11	6.2	Surface	1.0	1	28.9	8.1	22.9	5.1	75.0	3.0	9.8	5.1	4.3	11.6	
			2	28.9	8.1	22.9	5.1	75.2	3.0	10.2									
	Middle	3.1	1	28.9	8.1	22.9	5.2	75.9	4.2	10.9									
	Bottom	5.2	1	28.9	8.1	22.9	5.2	76.1	4.2	11.3									
			2	28.6	8.1	23.1	5.4	78.7	5.6	13.5									
			2	28.5	8.1	23.1	5.7	82.7	5.6	14.0									
	TCE-WQM2a	Misty	Moderate	14:58	6.2	Surface	1.0	1	28.1	8.1	24.4	4.9	71.1	1.1	7.1	4.9	1.6	6.5	
			2	28.1	8.1	24.4	4.9	71.1	1.1	6.8									
	Middle	3.1	1	27.9	8.1	24.8	4.9	71.8	1.7	6.5									
	Bottom	5.2	1	27.9	8.1	25.0	4.9	72.0	1.8	6.8									
			2	27.8	8.1	25.3	5.0	72.5	2.1	6.1									
			2	27.7	8.1	25.3	5.0	73.4	2.0	5.9									
TCE-WQM2b	Misty	Moderate	15:10	7.8	Surface	1.0	1	28.0	8.1	24.7	4.7	68.5	6.2	5.6	4.7	7.5	5.2		
		2	28.0	8.1	24.7	4.7	68.5	6.2	6.0										
Middle	3.9	1	28.0	8.1	24.9	4.7	69.0	7.3	5.0										
Bottom	6.8	1	27.9	8.1	25.0	4.7	69.2	7.3	5.3										
		2	27.9	8.1	25.2	4.8	71.0	8.9	4.8										
		2	27.9	8.1	25.1	4.9	72.1	8.8	4.4										
TCE-WQM3A	Misty	Moderate	14:42	5.0	Surface	1.0	1	28.8	8.1	23.0	5.2	76.4	6.2	8.8	5.2	6.8	7.2		
		2	28.8	8.0	23.0	5.2	76.3	6.2	8.5										
Bottom	4.0	1	28.7	8.0	23.1	5.7	83.9	7.4	5.6										
		2	28.7	8.0	23.0	5.8	85.4	7.4	6.0										
		2	28.7	8.1	23.0	5.1	75.5	8.8	5.9										
		2	28.8	8.1	23.0	5.2	76.6	8.9	6.3										
TCE-WQM4	Misty	Moderate	14:20	4.2	Surface	1.0	1	28.8	8.1	23.0	5.1	75.5	8.8	5.9	5.2	8.9	6.8		
		2	28.8	8.1	23.0	5.2	76.6	8.9	6.3										
Bottom	3.2	1	28.7	8.1	23.1	5.8	85.1	9.0	7.3										
		2	28.7	8.1	23.1	5.9	86.5	9.0	7.6										
		2	28.7	8.1	23.1	5.8	85.1	9.0	7.3										
		2	28.7	8.1	23.1	5.9	86.5	9.0	7.6										
2022-08-31	Mid-Flood	TCE-C1	Misty	Moderate	10:31	7.8	Surface	1.0	1	28.2	8.2	23.0	5.1	74.1	5.2	5.9	5.0	6.3	5.2
									2	28.2	8.2	23.0	5.1	73.9	5.3	5.6			
							Middle	3.9	1	27.9	8.2	26.9	5.0	73.9	6.6	5.4			
							Bottom	6.8	1	27.9	8.2	26.9	5.0	74.3	6.6	5.1			
				2	28.0	8.2	26.8	5.2	77.6	7.1	4.8								
				2	28.0	8.2	26.8	5.3	78.8	7.1	4.5								
		TCE-C2	Misty	Moderate	8:22	12.0	Surface	1.0	1	27.7	8.0	24.3	4.5	65.0	5.1	3.9	4.3	6.2	4.4
				2	27.6	8.0	24.3	4.5	64.9	5.1	3.5								
		Middle	6.0	1	27.0	8.0	27.2	4.1	59.5	6.4	4.2								
		Bottom	11.0	1	27.0	8.0	27.3	4.1	59.5	6.5	4.5								
				2	27.1	8.0	27.1	4.2	61.9	7.0	5.0								
				2	27.2	8.0	27.0	4.3	62.3	7.0	5.4								
	TCE-WQM1	Misty	Moderate	9:23	7.0	Surface	1.0	1	28.8	8.1	23.1	5.0	73.0	4.6	7.4	5.0	5.1	6.4	
			2	28.8	8.1	23.1	5.0	73.2	4.7	7.0									
	Middle	3.5	1	28.8	8.1	23.2	5.1	74.3	5.1	6.3									
	Bottom	6.0	1	28.7	8.1	23.2	5.1	74.8	5.2	6.5									
			2	28.6	8.1	23.3	5.5	81.0	5.4	5.6									
			2	28.6	8.1	23.3	5.6	82.0	5.5	5.8									
	TCE-WQM2a	Misty	Moderate	8:54	6.8	Surface	1.0	1	28.4	8.1	23.4	4.8	69.8	6.4	2.4	4.8	7.2	2.8	
			2	28.4	8.1	23.4	4.8	69.8	6.4	2.1									
	Middle	3.4	1	28.3	8.1	23.8	4.8	69.9	7.2	2.9									
	Bottom	5.8	1	28.3	8.1	23.8	4.8	70.1	7.3	2.5									
			2	28.1	8.1	24.3	4.9	72.3	8.0	3.6									
			2	28.0	8.1	24.3	5.2	76.7	8.0	3.4									
TCE-WQM2b	Misty	Moderate	8:42	7.4	Surface	1.0	1	28.4	8.1	23.5	4.9	71.4	7.3	10.3	4.9	8.3	9.6		
		2	28.4	8.1	23.5	4.9	71.5	7.3	10.1										
Middle	3.7	1	28.3	8.1	23.6	4.9	72.3	8.4	9.5										
Bottom	6.4	1	28.3	8.1	23.6	5.0	72.6	8.5	9.9										
		2	28.1	8.1	23.8	5.2	75.7	9.0	8.6										
		2	28.1	8.1	23.7	5.1	76.1	9.0	9.0										
TCE-WQM3A	Misty	Moderate	9:04	4.3	Surface	1.0	1	28.3	8.1	22.7	5.6	80.9	5.6	6.0	5.6	6.1	5.3		
		2	28.3	8.1	22.7	5.6	81.4	5.6	6.5										
Bottom	3.3	1	28.0	8.1	22.9	5.8	84.5	6.6	4.5										
		2	28.0	8.1	22.9	5.9	85.5	6.7	4.1										
TCE-WQM4	Misty	Moderate	9:13	5.0	Surface	1.0	1	28.3	8.1	22.7	5.5	79.9	6.4	7.0	5.5	6.7	7.6		
		2	28.2	8.1	22.8	5.6	80.7	6.4	6.7										
Bottom	4.0	1	27.8	8.1	23.0	5.9	84.8	7.0	8.6										
		2	27.8	8.1	23.0	6.0	87.0	7.0	8.1										